

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Salisbury, NC	1	Thoroughbred	6	33.8	97.4	38	81.2	n.d.	3	10.0	4.17	42.8	133	56.2	543	158	41
Salisbury, NC	2	Endeavor	2	31.2	85.0	21	81.7	6.7	2	11.5	7.18	62.7	171	100.2	46	340	50
Salisbury, NC	3	ARS14B01	2	36.3	95.7	30	80.2	n.d.	3	11.6	5.39	50.2	101	66.6	293	228	45
Salisbury, NC	4	ARS14B02	2	37.7	97.9	31	80.6	2.5	2	11.6	5.54	49.8	101	65.0	339	225	46
Salisbury, NC	5	ARS14B03	2	37.3	97.7	33	82.1	2.5	1	11.0	5.25	47.8	89	62.1	268	218	46
Salisbury, NC	6	ARS14B04	2	37.1	95.7	28	80.0	2.8	2	12.3	5.69	48.3	97	65.1	340	233	38
Salisbury, NC	7	ARS14B05	2	37.3	95.2	29	79.9	2.3	1	12.5	5.42	45.6	98	64.5	307	218	48
Salisbury, NC	8	ARS14B06	2	36.6	96.9	27	79.6	2.9	1	11.9	5.40	47.9	98	61.4	181	217	43
Salisbury, NC	9	ARS14B07	2	37.8	95.8	26	80.4	2.7	1	12.3	5.54	46.6	94	64.0	233	229	48
Salisbury, NC	10	ARS14B08	2	36.8	95.6	28	79.9	2.5	1	11.5	5.23	47.3	89	60.0	290	212	43
Salisbury, NC	11	ARS14B09	2	37.3	94.9	25	80.1	2.3	1	12.7	5.63	47.2	84	58.7	279	206	39
Salisbury, NC	12	ARS14B10	2	37.1	95.0	28	80.3	2.9	1	11.2	5.48	49.5	92	61.2	269	223	43
Salisbury, NC	13	ARS14B11	2	35.5	94.7	25	79.9	2.9	2	12.1	5.48	48.2	105	65.7	333	228	46
Salisbury, NC	14	ARS14B12	2	37.6	96.2	28	81.1	3.1	2	12.5	5.76	48.5	101	62.8	309	234	45
Salisbury, NC	15	ARS14B13	2	38.1	96.2	30	80.6	3.3	1	12.3	5.87	50.1	99	65.9	242	240	41
Salisbury, NC	16	ARS14B14	2	37.9	96.0	28	80.3	2.7	1	12.5	5.67	46.8	106	62.3	367	221	48
Salisbury, NC	17	ARS14B15	2	37.3	96.9	25	80.2	2.8	1	12.3	5.64	49.2	92	63.4	241	233	39
Salisbury, NC	18	ARS14B16	2	37.3	96.2	28	80.1	2.6	1	12.0	5.56	49.9	96	62.4	299	210	43
Salisbury, NC	19	ARS14B17	2	36.3	97.5	32	80.1	3.0	1	11.5	5.63	48.9	91	65.5	259	221	39
Salisbury, NC	20	ARS14B18	2	36.5	95.0	28	80.8	3.0	1	11.2	5.35	50.5	87	59.3	327	218	43
Salisbury, NC	21	ARS14B19	2	38.0	97.3	27	79.0	2.7	1	12.6	5.36	45.5	96	58.9	263	210	45
Salisbury, NC	22	ARS14B20	2	36.1	95.7	29	79.6	3.1	1	12.6	5.72	48.5	102	62.1	348	234	43
Salisbury, NC	23	ARS14B21	2	36.8	96.8	30	80.1	n.d.	3	11.9	6.11	52.6	87	65.4	356	259	34
Salisbury, NC	24	ARS14B22	2	33.1	89.0	25	82.1	4.5	1	10.0	5.66	61.4	128	99.7	58	300	49
Salisbury, NC	25	ARS14B23	2	36.3	95.7	22	79.7	2.9	1	11.9	5.38	46.5	98	64.0	253	228	48
Salisbury, NC	26	ARS14B24	2	34.5	92.0	23	82.6	4.1	1	10.3	6.05	60.5	163	108.2	67	293	48
Salisbury, NC	27	ARS14B25	2	35.4	92.7	22	81.2	n.d.	3	12.8	7.07	56.2	167	96.1	59	380	51
Salisbury, NC	28	ARS14B26	2	35.1	90.9	24	83.3	4.8	1	10.3	6.19	61.0	162	98.8	80	335	48
Salisbury, NC	29	ARS14B27	2	30.4	84.4	22	81.7	5.1	2	11.3	7.51	71.4	163	109.8	58	334	47
Salisbury, NC	30	ARS14B28	2	38.6	97.3	29	80.4	2.8	1	12.9	5.34	43.3	104	62.5	317	228	54
Salisbury, NC	31	CONRAD MALT CHECK	2	40.5	96.7	52	81.9	2.2	1	12.5	5.15	43.5	159	95.5	143	254	65
Salisbury, NC	32	ARS14B29	2	30.7	86.1	20	81.6	5.9	2	12.0	6.31	52.7	188	112.4	38	347	50
Salisbury, NC	33	ARS14B30	2	37.2	95.7	28	79.9	2.8	1	12.5	5.52	45.1	107	63.0	300	221	52
Salisbury, NC	34	ARS14B31	2	36.7	96.2	33	81.3	2.9	1	11.1	5.24	49.3	91	63.6	319	218	46
Salisbury, NC	35	ARS14B32	2	38.6	96.3	25	79.8	2.8	1	12.5	5.17	43.6	100	61.4	292	215	50
Salisbury, NC	36	ARS14B33	2	35.6	93.4	20	81.3	n.d.	3	12.6	7.03	56.9	160	95.3	46	351	51
Salisbury, NC	37	ARS14B34	2	35.0	93.1	19	82.3	4.0	1	9.9	5.22	55.0	165	112.3	30	270	55
Salisbury, NC	38	ARS14B35	2	34.2	91.9	22	82.9	4.9	1	11.1	5.81	55.4	178	113.2	41	321	56
Salisbury, NC	39	ARS14B36	2	31.8	90.3	22	82.3	n.d.	3	10.7	6.00	58.2	146	109.2	20	329	49
Salisbury, NC	40	ARS14B37	2	32.8	88.9	25	82.4	n.d.	3	9.9	6.13	62.1	138	106.7	39	311	44
Salisbury, NC	41	ARS14B38	2	32.3	89.0	24	81.9	4.8	2	10.1	6.39	64.6	152	116.2	29	289	45
Salisbury, NC	42	ARS14B39	2	30.8	83.6	22	81.5	6.0	2	11.1	6.33	59.9	152	99.6	29	324	47
Salisbury, NC	43	ARS14B40	2	37.1	95.1	25	78.3	3.0	2	11.7	5.64	49.9	155	68.6	354	213	42
Raleigh, NC	44	Charles	2	29.6	87.8	16	79.1	4.6	1	11.8	5.93	51.2	132	119.5	72	272	48
Raleigh, NC	45	Endeavor	2	33.9	88.2	20	81.5	6.6	2	10.5	6.26	61.0	108	101.1	51	304	42
Raleigh, NC	46	02Ab431	2	28.7	79.7	13	79.9	6.3	2	11.2	6.93	62.0	105	133.7	21	352	41
Raleigh, NC	47	02Ab669	2	27.1	79.3	15	79.3	5.7	2	11.2	6.57	60.8	113	130.1	27	318	38
Raleigh, NC	48	02Ab671	2	27.3	77.6	10	78.4	6.2	2	11.5	6.74	59.1	115	124.5	29	324	38
Raleigh, NC	49	05ARS561-208	2	24.9	54.3	12	77.9	5.9	2	11.8	6.90	60.6	140	139.8	51	322	37
Raleigh, NC	50	05ARS561-216	2	30.4	74.9	14	79.8	5.2	2	12.2	6.72	58.0	139	127.3	105	319	40
Raleigh, NC	51	05ARS561-42	2	31.0	78.6	15	78.6	4.7	2	11.5	6.35	56.2	139	123.2	68	297	41
Raleigh, NC	52	05ARS561-218	2	32.0	81.4	20	79.7	4.1	1	11.9	6.39	56.6	142	118.8	83	278	45
Raleigh, NC	53	05ARS518-24	2	30.9	77.0	13	80.1	4.9	2	11.5	6.61	62.6	140	116.7	120	303	40
Raleigh, NC	54	05ARS518-119	2	30.6	75.5	15	79.7	5.1	1	11.7	6.35	58.7	125	113.1	130	298	41

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Raleigh, NC	55	04ARS635-2	2	27.8	70.6	13	77.2	5.4	2	13.6	6.98	52.7	187	123.4	182	322	20
Raleigh, NC	56	05ARS540-125	2	26.7	66.4	19	79.9	5.5	2	12.1	7.02	58.8	134	110.3	33	334	44
Raleigh, NC	57	05ARS561-346	2	28.5	74.0	19	78.6	5.4	1	13.0	6.78	56.1	130	130.3	27	321	37
Raleigh, NC	58	04ARS635-14	2	25.6	47.0	19	79.9	5.3	1	12.1	6.72	59.6	135	116.8	74	290	45
Raleigh, NC	59	04ARS635-89	2	24.9	61.0	18	78.0	6.1	1	12.0	7.03	58.6	143	121.3	52	316	42
Raleigh, NC	60	04ARS635-4	2	36.8	87.7	14	82.1	4.2	1	11.4	6.06	55.0	122	100.1	108	278	47
Raleigh, NC	61	05ARS506-61	2	32.2	80.6	15	81.0	5.2	1	10.5	6.59	63.5	130	119.9	38	314	40
	62	CONRAD MALT CHECK	2	40.6	97.4	52	82.0	2.1	1	12.3	5.61	49.4	150	93.7	107	261	56
Raleigh, NC	63	05ARS518-119	2	30.3	73.9	8	78.7	5.7	1	12.8	6.80	55.4	125	115.6	129	305	38
Raleigh, NC	64	04ARS640-18	2	33.7	84.8	6	82.0	6.0	1	10.5	6.81	66.6	76	107.9	27	316	36
Raleigh, NC	65	05ARS577-13	2	29.8	69.0	10	80.5	n.d.	3	12.2	7.05	58.5	127	109.3	95	346	43
Raleigh, NC	66	04ARS640-1	2	33.0	87.0	11	82.6	5.4	1	10.7	6.32	63.4	116	102.2	31	290	43
Raleigh, NC	67	06ARS633-1	2	27.6	68.1	22	78.3	6.0	1	12.6	6.85	56.0	121	135.8	64	317	42
Raleigh, NC	68	06ARS634-15	2	28.0	75.3	10	77.2	5.7	1	14.5	5.71	41.0	171	118.4	78	321	36
Raleigh, NC	69	06ARS633-11	2	25.7	46.2	14	76.1	7.7	1	13.9	5.57	39.6	166	148.0	55	361	35
Raleigh, NC	70	06ARS633-13	2	22.9	47.1	13	76.0	7.4	1	13.0	5.29	40.8	141	154.2	27	336	45
Raleigh, NC	71	06ARS617-13	2	34.5	79.6	20	80.3	5.2	1	11.9	5.60	47.7	149	110.1	57	318	52
Raleigh, NC	72	06ARS617-25	2	32.5	84.5	23	82.1	5.2	1	11.1	5.54	50.0	148	115.0	30	321	55
Raleigh, NC	73	06ARS634-17	2	27.1	66.4	12	79.5	5.4	1	12.2	4.72	40.7	161	142.7	42	323	57
Raleigh, NC	74	06ARS633-3	2	25.1	56.2	17	77.1	6.2	1	14.2	5.54	40.1	162	163.9	140	353	36
Raleigh, NC	75	ARS15B01	6	35.9	92.4	6	79.8	4.2	2	10.2	5.30	55.8	67	76.7	595	221	45
Raleigh, NC	76	ARS15B02	2	42.5	93.6	16	79.9	3.6	2	12.0	5.10	44.7	101	86.9	160	229	56
Raleigh, NC	77	ARS15B03	6	31.9	82.3	11	80.0	3.3	1	9.8	4.13	42.9	74	84.2	404	219	43
Raleigh, NC	78	ARS15B04	2	44.9	97.0	23	79.5	5.3	2	11.6	4.90	42.6	83	91.4	126	301	55
Raleigh, NC	79	ARS15B05	6	33.3	90.4	12	81.0	3.9	1	9.6	5.19	57.7	73	104.5	243	260	42
Raleigh, NC	80	ARS15B06	6	34.6	88.5	15	78.9	3.5	1	10.4	5.05	50.6	80	74.5	328	226	39
Raleigh, NC	81	ARS15B07	6	32.2	88.7	19	80.6	3.3	1	10.3	4.79	50.2	79	92.3	261	256	39
Raleigh, NC	82	ARS15B08	2	45.5	95.6	15	80.9	3.7	1	11.6	5.20	46.6	92	88.8	233	277	53
Raleigh, NC	83	ARS15B09	2	42.4	98.4	16	81.8	3.9	1	10.8	4.94	47.8	76	88.2	215	257	46
Raleigh, NC	84	ARS15B10	2	44.9	98.1	18	78.3	3.8	2	12.6	5.29	43.7	78	81.0	333	268	49
Raleigh, NC	85	ARS15B11	2	36.3	92.2	13	79.8	3.4	2	12.3	5.02	42.2	106	85.2	334	262	51
Raleigh, NC	86	ARS15B12	2	44.5	94.6	11	79.6	2.8	1	12.1	5.36	44.6	100	78.9	272	251	57
Raleigh, NC	87	ARS15B13	2	43.7	97.9	15	79.1	3.3	2	12.5	5.51	47.8	100	94.6	273	270	44
Raleigh, NC	88	ARS15B14	2	43.1	93.8	5	77.6	3.8	1	12.7	5.18	43.7	110	88.6	189	274	50
Raleigh, NC	89	ARS15B15	2	44.7	98.7	21	78.3	4.1	2	12.3	5.53	48.4	68	91.7	340	284	44
Raleigh, NC	90	ARS15B16	6	33.9	86.9	8	80.3	n.d.	3	10.1	4.44	47.0	70	79.3	436	224	37
Raleigh, NC	91	ARS15B17	2	44.7	98.5	26	82.6	3.2	1	9.9	4.69	49.4	82	86.4	251	194	46
Raleigh, NC	92	ARS15B18	6	32.0	83.2	11	80.0	3.7	1	10.0	4.48	46.1	69	81.2	567	215	44
	93	CONRAD MALT CHECK	2	41.0	97.1	52	81.3	2.8	1	12.8	5.55	46.9	135	94.1	192	260	62
Raleigh, NC	94	ARS15B19	2	43.6	97.6	20	78.5	4.6	2	12.0	6.41	54.4	62	88.2	303	283	37
Raleigh, NC	95	ARS15B20	6	33.0	86.5	13	80.8	3.0	1	9.6	4.99	53.8	65	70.5	537	194	40
Raleigh, NC	96	ARS15B21	6	32.9	83.4	16	77.6	3.5	1	9.9	4.72	47.9	89	81.9	389	219	29
Raleigh, NC	97	ARS15B22	2	30.6	77.7	11	79.9	5.2	1	11.6	5.99	53.3	146	113.9	206	270	41
Raleigh, NC	98	ARS15B23	2	27.7	80.4	10	78.7	5.1	1	12.4	5.49	44.3	136	119.1	153	312	47
Raleigh, NC	99	ARS15B24	2	30.7	78.9	16	81.1	5.0	1	11.2	5.52	52.0	127	126.8	86	303	55
Raleigh, NC	100	ARS15B25	2	26.4	78.6	14	79.6	5.0	1	11.6	5.53	48.1	139	135.1	80	310	52
Raleigh, NC	101	ARS15B26	2	31.9	82.1	16	80.2	5.4	1	11.3	5.33	47.7	117	114.8	170	276	42
Raleigh, NC	102	ARS15B27	6	34.6	89.1	10	81.2	n.d.	3	9.5	5.02	56.1	63	70.3	406	208	40
Raleigh, NC	103	ARS15B28	2	31.6	77.1	6	78.1	5.1	1	14.1	6.28	45.6	153	98.3	178	302	30
Raleigh, NC	104	ARS15B29	2	28.5	82.1	10	79.2	5.2	1	12.4	6.78	56.7	128	125.8	152	324	35
Raleigh, NC	105	ARS15B30	6	32.3	80.5	10	79.7	2.8	1	10.8	4.70	45.7	70	67.3	555	192	42
Raleigh, NC	106	ARS15B31	2	30.7	85.3	3	79.7	5.2	2	13.0	6.24	48.5	110	106.5	135	319	40
Raleigh, NC	107	ARS15B32	2	44.7	98.4	14	78.1	3.9	2	12.6	6.28	51.5	72	80.7	347	268	37
Raleigh, NC	108	ARS15B33	2	29.2	70.9	3	77.7	4.8	1	14.3	6.75	48.9	174	111.0	204	287	21
Raleigh, NC	109	ARS15B34	2	42.7	95.0	18	79.0	n.d.	3	12.3	5.19	42.4	99	68.2	465	236	48

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Raleigh, NC	110	ARS15B35	2	31.3	80.5	12	80.5	5.4	1	11.6	5.96	52.0	132	117.5	158	282	41
Raleigh, NC	111	ARS15B36	2	25.9	75.6	10	78.6	4.9	1	11.6	5.37	46.4	142	138.8	54	306	54
Raleigh, NC	112	ARS15B37	2	27.8	80.4	9	78.9	5.0	1	12.5	6.93	56.1	160	138.9	91	313	42
Raleigh, NC	113	ARS15B38	2	26.9	80.7	11	79.3	4.9	1	11.7	5.62	51.2	129	131.6	66	271	45
Raleigh, NC	114	Charles	2	27.1	87.4	15	78.4	5.8	1	12.0	5.31	45.0	143	139.5	64	290	57
Raleigh, NC	115	Strider	6	28.1	65.8	14	77.7	5.3	1	11.1	5.04	45.6	96	102.9	272	241	29
Raleigh, NC	116	McGregor	6	26.8	46.5	8	75.6	5.1	1	12.4	5.05	41.6	104	93.2	180	238	27
Raleigh, NC	117	Thoroughbred	6	26.1	71.2	22	78.7	5.4	1	10.8	4.95	46.8	130	89.4	67	262	45
Raleigh, NC	118	Endeavor	2	34.4	91.1	17	82.1	7.0	1	10.6	5.26	51.4	104	101.7	71	298	52
Raleigh, NC	119	Wintmalt	2	27.4	78.8	9	74.7	6.3	2	14.9	5.50	37.1	193	109.4	99	311	34
Raleigh, NC	120	05ARS561-208	2	20.8	49.3	11	76.9	5.6	1	12.1	5.35	44.2	166	149.2	83	285	50
Raleigh, NC	121	06ARS633-10	2	23.9	47.9	12	77.0	6.2	1	12.4	5.49	44.5	158	151.4	123	333	46
Raleigh, NC	122	02Ab669	2	25.6	68.1	10	77.8	6.0	1	12.5	5.53	46.0	156	150.0	57	339	50
Raleigh, NC	123	04ARS640-1	2	31.9	81.4	16	80.8	5.5	1	11.9	5.46	46.4	150	111.9	89	303	57
	124	CONRAD MALT CHECK	2	40.4	97.3	52	81.6	2.3	1	12.1	4.95	41.9	159	97.0	260	252	62
Raleigh, NC	125	SU-Mateo	2	28.1	70.6	17	75.8	5.3	1	14.7	5.44	38.3	228	99.8	223	280	28
Raleigh, NC	126	Hirondella	6	33.6	89.8	27	79.0	4.2	1	10.4	4.72	46.1	138	81.4	327	216	48
Raleigh, NC	127	Vincenta	2	26.9	57.0	14	73.7	5.8	1	15.7	5.54	36.2	183	109.1	72	313	35
Raleigh, NC	128	10/069/1	6	29.5	68.3	15	76.3	5.8	1	12.8	5.00	39.4	153	77.1	141	256	39
Raleigh, NC	129	Puffin	2	23.3	49.6	18	75.8	6.2	1	13.2	5.37	41.4	148	96.8	45	305	45
Raleigh, NC	130	10.0777	2	29.6	87.0	18	78.7	6.3	1	12.5	5.50	44.5	139	143.8	21	354	57
Raleigh, NC	131	10.086	2	30.1	90.6	17	78.6	n.d.	3	12.1	5.24	43.4	111	110.6	32	300	54
Raleigh, NC	132	DH130004	2	38.1	96.6	13	79.5	n.d.	3	15.2	6.04	41.1	153	86.5	22	407	45
Raleigh, NC	133	DH130718	2	32.8	92.6	21	79.9	9.3	1	13.0	5.76	45.3	120	114.7	41	371	58
Raleigh, NC	134	MW11S4024-004	6	25.3	61.5	16	77.0	4.8	1	13.4	5.36	40.7	144	107.2	261	288	38
Raleigh, NC	135	MW11S4029-002	6	27.5	64.7	29	81.7	4.6	1	10.3	5.04	50.0	120	98.2	246	248	32
Raleigh, NC	136	MW12_4007-008	6	25.7	75.0	21	78.8	6.3	2	13.8	5.65	42.9	129	114.2	106	331	51
Raleigh, NC	137	MW12_4042-002	6	25.7	65.3	14	78.1	4.8	1	11.9	4.74	42.9	154	118.8	329	323	40
Raleigh, NC	138	6W11-0003	6	26.6	50.7	15	77.8	5.7	1	11.6	5.46	48.5	136	120.3	131	320	42
Raleigh, NC	139	6W11-0064	6	28.3	73.7	16	75.1	6.6	1	14.9	5.42	36.7	254	104.8	89	355	40
Raleigh, NC	140	6W13-7041	6	23.9	53.6	16	73.8	7.4	1	14.8	5.45	36.9	148	112.7	66	364	35
Raleigh, NC	141	6W13-7145	6	29.5	77.5	32	78.1	5.1	1	12.4	4.89	42.0	120	105.3	268	331	41
Raleigh, NC	142	Calypso	2	36.2	84.9	18	78.3	5.0	1	12.7	4.30	34.3	155	91.4	190	286	38
Raleigh, NC	143	KWS Scala	2	30.7	89.7	8	77.4	5.8	1	13.4	5.25	39.3	151	112.9	62	320	43
Raleigh, NC	144	KWS Joy	2	24.8	75.2	6	75.2	6.3	1	14.0	5.62	40.3	179	127.5	39	326	36
Raleigh, NC	145	KWS Stella	2	32.5	81.6	10	78.7	5.1	1	13.4	4.71	37.3	187	106.0	67	338	44
Davis, CA	146	BUTTA 12//MSEL/BCD-TTA-J	2	36.3	70.7	57	74.7	2.8	1	16.6	5.85	35.7	334	146.4	25	396	31
Davis, CA	147	BUTTA 12//MSEL/ORCA	2	40.9	82.5	56	75.2	1.5	1	14.9	4.64	31.4	293	74.1	316	190	30
Davis, CA	148	BUTTA 12//MSEL/BCD-TTA-J	2	41.3	89.2	58	78.5	2.4	1	14.1	4.42	33.3	271	117.7	54	304	46
Davis, CA	149	BUTTA 12//MSEL/BCD-TTA-J	2	43.4	92.0	58	77.1	1.8	1	13.5	3.54	27.0	206	112.3	164	252	36
Davis, CA	150	BUTTA 12//MSEL/ORCA	2	38.4	89.6	56	77.4	1.8	1	13.1	5.23	40.6	206	72.0	194	216	43
Davis, CA	151	BUTTA 12//MSEL/ORCA	2	42.3	86.3	60	78.0	1.5	1	12.4	3.14	25.5	239	55.6	403	149	38
Davis, CA	152	BUTTA 12*2/MSEL	2	41.3	92.0	60	77.6	2.2	1	13.8	3.97	29.6	216	69.0	133	237	33
Davis, CA	153	BUTTA 12//MSEL/BCD-TTA-J	2	38.6	91.7	52	80.7	2.2	1	11.6	4.39	38.4	184	81.7	141	264	51
Davis, CA	154	BUTTA 12//MSEL/BCD-TTA-J	2	44.1	94.5	49	81.0	2.6	1	12.8	5.12	42.6	227	109.1	86	299	67
	155	CONRAD MALT CHECK	2	40.4	97.4	53	81.7	2.8	1	12.5	5.42	44.6	143	100.9	163	274	62
Davis, CA	156	BUTTA 12//MSEL/BCD-TTA-J	2	46.7	99.0	48	82.3	2.5	1	11.9	5.57	50.6	228	84.5	31	261	65
Davis, CA	157	BUTTA 12//MSEL/ORCA	2	46.9	98.5	57	77.6	1.6	1	13.2	3.59	28.2	223	78.8	105	170	34
Davis, CA	158	BUTTA 12//MSEL/BCD-TTA-J	2	39.1	89.7	60	78.3	2.1	1	13.4	3.23	24.2	233	90.1	140	227	38
Davis, CA	159	BUTTA 12//MSEL/ORCA	2	41.8	95.4	49	79.5	2.0	1	10.7	4.72	44.1	192	66.4	81	191	61
Davis, CA	160	BUTTA 12//MSEL/ORCA	2	45.4	99.0	41	79.7	2.5	1	11.1	5.01	48.1	162	85.3	87	253	62
Davis, CA	161	BUTTA 12//MSEL/ORCA	2	47.6	97.9	52	78.5	1.8	1	12.5	4.41	38.0	217	55.6	283	149	47
Davis, CA	162	BUTTA 12//MSEL/ORCA	2	51.1	99.2	52	77.8	2.2	2	12.9	4.51	36.2	229	66.7	155	185	45
Davis, CA	163	BUTTA 12//MSEL/BCD-TTA-J	2	43.4	93.1	52	76.4	1.7	1	13.7	4.02	29.5	267	58.1	262	161	29
Davis, CA	164	BUTTA 12//MSEL/BCD-TTA-J	2	51.4	99.6	49	77.4	1.7	1	12.9	4.01	31.5	235	51.1	264	144	39

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Davis, CA	165	BUTTA 12//MSEL/BCD-TTA-J	2	41.8	96.3	59	79.8	2.1	1	12.6	4.44	35.3	159	97.4	426	199	54
Davis, CA	166	BUTTA 12//MSEL/BCD-TTA-J	2	40.4	93.1	48	78.5	2.4	1	14.8	5.05	36.4	229	101.0	165	278	41
Davis, CA	167	BUTTA 12*2/MSEL	2	47.9	98.3	50	78.6	1.6	1	13.0	4.14	32.5	156	66.7	586	297	48
Davis, CA	168	BUTTA 12//MSEL/BCD-TTA-J	2	46.8	99.2	35	80.3	2.0	1	12.1	3.70	31.0	222	81.0	51	214	55
Davis, CA	169	BUTTA 12//MSEL/BCD-TTA-J	2	44.2	95.7	62	77.1	2.3	1	15.0	5.19	35.1	207	97.5	204	222	38
Davis, CA	170	BUTTA 12	2	36.2	85.1	56	74.6	1.7	1	15.9	3.63	23.2	214	65.9	321	170	19
Davis, CA	171	COPELAND	2	35.9	92.9	79	82.0	1.9	1	9.3	4.50	49.3	93	85.5	70	203	48
Davis, CA	172	METCALFE	2	42.5	99.7	71	81.6	2.3	1	11.4	5.39	48.2	144	110.5	98	256	65
Davis, CA	173	BUTTA 12//MSEL/ORCA	2	50.5	99.4	26	76.9	1.6	1	14.2	3.73	27.5	261	96.9	93	168	33
Davis, CA	174	BUTTA 12//MSEL/ORCA	2	52.9	99.5	28	75.9	1.8	1	14.1	3.77	26.8	207	53.2	195	126	26
Davis, CA	175	BUTTA 12//MSEL/ORCA	2	50.1	98.2	25	76.3	1.6	1	14.4	3.63	26.7	239	56.9	119	142	29
Davis, CA	176	BUTTA 12//MSEL/ORCA	2	51.6	98.9	16	75.9	2.4	1	13.5	4.11	30.7	209	64.4	87	161	36
Davis, CA	177	BUTTA 12//MSEL/ORCA	2	52.3	98.0	29	76.6	2.3	1	13.5	3.87	29.1	151	65.7	133	205	39
Davis, CA	178	UC 1410	2	51.9	99.5	15	75.2	1.8	2	13.6	3.91	29.5	225	53.7	52	161	32
Davis, CA	179	BUTTA 12//MSEL/ORCA	2	37.5	82.0	75	76.6	1.6	1	13.3	3.49	26.6	172	48.2	430	150	18
Davis, CA	180	BUTTA 12//MSEL/ORCA	2	41.1	93.7	70	76.2	1.6	1	14.6	3.77	26.0	220	50.2	381	157	25
Davis, CA	181	BUTTA 12//MSEL/BCD-TTA-J	2	40.1	96.4	54	79.7	1.5	1	12.4	3.91	31.7	208	62.1	276	141	42
Davis, CA	182	BUTTA 12//MSEL/BCD-TTA-J	2	44.3	96.2	54	79.5	1.9	1	13.6	4.84	37.9	226	80.7	109	237	48
Davis, CA	183	BUTTA 12//MSEL/BCD-TTA-J	2	43.1	95.1	65	77.6	2.2	1	14.0	4.18	31.0	264	56.5	171	150	29
Davis, CA	184	BUTTA 12//MSEL/BCD-TTA-J	2	33.9	69.0	79	72.5	2.0	1	15.9	4.93	32.2	243	90.2	134	205	31
Davis, CA	185	BUTTA 12//MSEL/BCD-TTA-J	2	51.7	99.4	61	81.5	4.1	2	12.7	5.41	44.4	186	77.5	108	254	65
Davis, CA	186	CONRAD MALT CHECK	2	39.7	96.8	55	81.1	2.2	1	12.5	4.82	40.5	144	87.7	208	222	60
Davis, CA	187	BUTTA 12//MSEL/BCD-TTA-J	2	38.2	92.3	72	78.7	1.8	1	13.0	4.75	38.0	209	89.0	56	218	56
Davis, CA	188	BUTTA 12//MSEL/BCD-TTA-J	2	52.0	97.6	67	80.9	4.9	2	13.6	5.25	38.8	167	105.5	30	315	51
Davis, CA	189	BUTTA 12//MSEL/BCD-TTA-J	2	51.5	99.5	58	80.3	2.4	1	12.8	4.30	34.5	196	57.6	268	189	49
Davis, CA	190	BUTTA 12//MSEL/BCD-TTA-J	2	45.2	98.8	56	80.3	2.5	1	13.6	4.94	36.6	207	72.8	458	254	45
Davis, CA	191	BUTTA 12//MSEL/BCD-TTA-J	2	51.7	99.3	47	80.7	3.0	1	13.4	5.05	37.9	179	75.8	171	250	50
Davis, CA	192	BUTTA 12//MSEL/BCD-TTA-J	2	49.1	98.6	53	80.7	3.2	2	15.0	5.31	35.4	213	78.4	176	264	44
Davis, CA	193	BUTTA 12//MSEL/BCD-TTA-J	2	46.4	97.9	61	77.8	1.7	1	14.4	4.52	31.8	198	80.9	493	212	38
Davis, CA	194	BUTTA 12//MSEL/BCD-TTA-J	2	43.7	97.1	51	77.4	2.4	1	15.9	5.42	35.5	295	123.2	207	253	38
Davis, CA	195	BUTTA 12//MSEL/BCD-TTA-J	2	47.8	98.8	56	79.6	2.7	1	14.5	5.08	35.3	254	117.3	215	263	45
Davis, CA	196	BUTTA 12//MSEL/BCD-TTA-J	2	51.0	99.5	51	80.2	n.d.	3	15.8	5.82	37.4	223	90.6	216	332	39
Davis, CA	197	BUTTA 12//MSEL/BCD-TTA-J	2	40.2	94.1	71	78.2	1.9	1	13.2	5.85	47.6	224	61.3	208	210	42
Davis, CA	198	BUTTA 12//MSEL/BCD-TTA-J	2	51.2	99.4	56	81.9	3.7	2	11.2	4.83	44.2	159	87.3	55	283	69
Davis, CA	199	BUTTA 12//MSEL/BCD-TTA-J	2	51.1	99.8	64	84.2	3.5	1	10.0	4.82	50.0	131	90.0	194	276	53
Davis, CA	200	BUTTA 12//MSEL/BCD-TTA-J	2	47.2	97.7	55	82.1	2.4	1	11.5	4.45	39.8	156	99.4	297	254	58
Davis, CA	201	BUTTA 12//MSEL/BCD-TTA-J	2	40.8	95.8	65	80.4	2.0	1	10.8	4.00	39.4	137	79.6	570	199	42
Davis, CA	202	BUTTA 12//MSEL/BCD-TTA-J	2	46.3	98.4	61	82.5	2.2	1	10.1	4.44	46.2	150	90.5	69	246	65
Davis, CA	203	BUTTA 12	2	43.6	98.3	52	79.0	2.1	1	11.7	4.48	39.0	196	66.5	161	223	52
Davis, CA	204	COPELAND	2	36.8	99.0	42	80.3	2.3	1	11.4	4.52	40.8	133	88.1	37	250	62
Davis, CA	205	METCALFE	2	39.1	99.3	80	83.8	2.5	1	9.1	4.47	51.3	123	108.1	29	252	57
Davis, CA	206	BUTTA 12//MSEL/BCD-TTA-J	2	49.2	99.5	60	85.1	3.2	2	10.3	5.53	55.7	135	85.1	37	286	59
Davis, CA	207	BUTTA 12//MSEL/BCD-TTA-J	2	37.4	95.1	69	81.3	2.0	1	11.2	4.88	47.5	167	78.4	239	248	53
Davis, CA	208	BUTTA 12//MSEL/BCD-TTA-J	2	46.4	98.9	57	82.4	3.8	1	11.6	5.52	48.4	180	84.0	29	302	65
Davis, CA	209	BUTTA 12//MSEL/BCD-TTA-J	2	46.2	98.9	59	82.1	2.1	1	10.4	4.75	47.9	116	78.5	178	238	50
Davis, CA	210	BUTTA 12//MSEL/BCD-TTA-J	2	44.4	95.5	69	81.3	2.1	1	11.2	4.48	43.8	160	73.3	203	252	63
Davis, CA	211	BUTTA 12//MSEL/BCD-TTA-J	2	47.5	96.4	69	79.7	2.4	1	12.5	4.63	40.1	185	79.2	138	263	63
Davis, CA	212	BUTTA 12//MSEL/BCD-TTA-J	2	48.1	99.5	65	83.7	2.3	1	9.8	4.65	52.0	143	106.4	159	254	53
Davis, CA	213	BUTTA 12//MSEL/BCD-TTA-J	2	48.7	99.8	69	84.2	3.4	1	10.9	4.86	47.7	129	82.6	248	257	53
Davis, CA	214	BUTTA 12//MSEL/BCD-TTA-J	2	53.7	98.9	51	80.1	4.0	1	14.3	6.37	46.2	152	81.2	392	282	43
Davis, CA	215	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	46.4	98.9	52	82.4	1.9	1	10.4	3.99	41.3	103	76.5	542	198	48
Davis, CA	216	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	47.8	98.1	61	79.4	1.7	1	11.5	4.79	42.8	136	72.3	556	199	60
Davis, CA	217	CONRAD MALT CHECK	2	40.1	97.4	52	81.3	2.4	1	12.3	4.86	42.7	153	95.2	183	294	62
Davis, CA	218	Entry 70	2	44.2	95.9	54	79.3	1.9	1	12.9	4.75	37.0	210	59.2	580	195	52
Davis, CA	219	METCALFE	2	37.5	98.8	54	80.4	2.6	1	12.8	5.40	44.2	139	91.1	59	295	62

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Davis, CA	220	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	49.6	99.3	58	81.5	2.0	1	12.2	4.65	38.9	111	81.7	750	202	55
Davis, CA	221	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	42.1	95.8	46	80.3	1.8	1	11.0	3.82	36.0	113	69.5	545	182	43
Davis, CA	222	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	48.7	98.2	51	78.4	1.6	1	11.9	3.63	31.1	118	62.2	676	155	37
Davis, CA	223	BCD-TTA-N/MSEL//L94/BCD-TTA-N	2	43.4	97.3	48	79.1	1.6	1	11.8	4.37	39.3	135	65.6	486	169	43
Davis, CA	224	BCD-TTA-N/MSEL//11MQ4	2	45.2	91.6	67	81.9	2.5	1	12.0	4.85	43.0	160	80.9	133	258	66
Davis, CA	225	BCD-TTA-N/MSEL//11MQ4	2	48.9	99.3	66	84.9	3.4	1	10.1	4.97	51.9	109	68.5	272	259	50
Davis, CA	226	BCD-TTA-N/MSEL//11MQ4	2	47.8	98.4	55	79.5	1.8	1	13.4	4.72	35.8	233	55.4	297	213	50
Davis, CA	227	BCD-TTA-N/MSEL//11MQ4	2	40.9	88.8	72	77.5	1.8	1	12.1	4.23	35.6	197	71.4	151	229	41
Davis, CA	228	BCD-TTA-N/MSEL//11MQ4	2	47.4	98.4	52	79.7	1.8	1	13.2	3.93	30.4	143	70.1	779	179	38
Davis, CA	229	BUTTA*2/MSEL	2	41.5	88.5	64	77.7	1.6	1	13.2	4.06	33.2	188	68.6	370	154	31
Davis, CA	230	BUTTA*2/MSEL	2	44.7	93.4	64	77.6	1.6	1	12.1	3.91	34.4	203	64.3	278	143	36
Davis, CA	231	BUTTA 12//MSEL/BUTTA 9	2	50.2	99.2	41	79.7	1.7	1	12.0	4.18	35.3	159	66.1	510	163	46
Davis, CA	232	BUTTA 12//MSEL/BUTTA 9	2	43.8	98.4	62	78.8	1.6	1	13.0	4.31	35.1	182	48.5	411	160	35
Davis, CA	233	BUTTA 12//MSEL/BUTTA 9	2	51.8	99.6	59	81.7	1.9	1	11.3	5.06	45.8	190	57.9	516	187	61
McGregor, TX	234	09MT_94	2	37.1	97.4	26	81.5	3.4	1	9.3	5.03	57.8	106	98.6	289	240	45
McGregor, TX	235	07N2_13	2	43.4	99.5	23	81.4	n.d.	3	10.3	4.83	47.2	127	69.6	398	223	51
McGregor, TX	236	06WA_38	2	38.2	98.0	26	81.2	2.6	1	10.9	4.57	44.1	178	62.7	311	263	55
McGregor, TX	237	07MT_94	2	41.9	99.3	27	81.6	2.8	1	11.1	4.69	45.6	137	65.9	274	196	62
McGregor, TX	238	09MT-78	2	39.6	99.4	26	81.1	2.7	1	10.3	4.36	45.3	153	67.9	280	185	49
McGregor, TX	239	07MT_40	2	42.5	99.2	21	82.3	2.7	1	9.8	4.35	47.8	125	65.3	475	192	49
McGregor, TX	240	07AB_77	2	35.9	94.2	35	80.9	3.2	1	11.1	5.05	46.5	151	54.0	659	209	55
McGregor, TX	241	09WA-19	2	35.7	98.3	21	81.6	2.3	1	9.8	3.92	43.1	107	56.7	200	172	38
McGregor, TX	242	07N2_38	2	39.6	99.3	14	82.0	3.5	1	10.6	4.52	45.4	134	66.2	607	208	55
McGregor, TX	243	08N2_12	2	44.8	98.9	25	81.3	2.4	1	11.2	4.56	43.7	109	60.8	564	221	60
McGregor, TX	244	08AB_45	2	38.5	97.6	20	82.7	2.9	1	10.0	4.91	50.9	148	77.9	134	231	53
McGregor, TX	245	AC_Metcalf	2	40.6	98.4	34	82.3	4.3	1	12.0	6.11	54.9	132	98.4	234	308	50
McGregor, TX	246	06N2_70	2	39.5	97.7	36	84.5	2.9	1	10.7	5.72	57.8	99	92.9	107	285	42
McGregor, TX	247	08N2_66	2	43.7	98.7	24	82.9	2.5	1	10.5	5.17	51.8	124	75.3	423	230	53
McGregor, TX	248	CONRAD MALT CHECK	2	40.1	97.7	53	82.4	2.4	1	12.2	5.59	47.6	141	96.1	269	277	57
McGregor, TX	249	07N2_31	2	42.9	95.6	34	83.4	n.d.	3	12.4	5.57	46.0	128	72.9	605	282	61
McGregor, TX	250	09AB_82	2	34.8	99.2	20	81.1	n.d.	3	10.2	4.38	46.1	66	52.0	371	186	38
McGregor, TX	251	06MT-67	2	38.1	98.3	24	82.7	n.d.	3	9.8	4.92	51.7	88	82.3	47	239	48
McGregor, TX	252	06WA_77	2	32.5	91.0	20	81.7	2.3	2	9.9	4.33	47.9	112	61.8	323	182	38
McGregor, TX	253	07N2_02	2	39.8	97.7	27	81.7	n.d.	3	12.2	5.17	43.8	127	58.3	799	241	58
McGregor, TX	254	06N2_17	2	46.9	99.4	14	83.3	2.4	1	10.6	4.99	49.9	108	76.8	624	249	50
McGregor, TX	255	09WA_52	2	34.1	97.7	20	82.9	n.d.	3	11.2	5.00	47.9	139	76.8	136	240	54
McGregor, TX	256	08WA-11	2	37.1	96.3	29	83.7	3.4	1	9.9	5.19	58.0	107	102.3	202	276	45
McGregor, TX	257	06MT_59	2	31.3	94.4	31	82.7	2.7	2	10.3	4.71	46.7	115	52.7	597	201	49
McGregor, TX	258	08AB_17	2	35.4	99.1	29	82.1	2.8	1	10.0	4.51	46.4	107	67.8	324	189	48
McGregor, TX	259	09AB_48	2	39.7	96.0	27	81.6	2.0	1	11.4	4.51	41.1	155	65.6	662	188	58
McGregor, TX	260	08BA-11	2	38.5	98.0	29	82.5	4.5	1	11.0	5.50	51.4	107	99.5	268	299	52
McGregor, TX	261	06MT_82	2	35.5	98.3	28	82.2	2.9	1	11.1	5.02	47.1	147	76.2	518	212	53
McGregor, TX	262	08N2_80	2	43.6	98.4	22	81.0	3.0	2	11.1	4.86	46.0	145	64.8	691	211	62
McGregor, TX	263	Conlon	2	40.0	98.3	27	83.1	2.7	1	10.9	5.16	50.4	139	82.9	660	225	50
McGregor, TX	264	08WA_11	2	36.8	94.2	29	82.0	3.5	1	10.5	5.42	55.5	122	112.6	187	294	48
McGregor, TX	265	08N2_73	2	46.8	98.8	25	81.7	2.8	1	11.4	4.85	45.2	103	73.5	601	239	60
McGregor, TX	266	07N2-73	2	37.2	97.1	32	82.9	2.7	1	12.3	5.81	49.2	167	105.9	538	294	49
McGregor, TX	267	09AB_43	2	39.7	88.1	13	81.4	3.7	1	14.2	5.99	42.6	130	81.7	1185	304	44
McGregor, TX	268	09N2_29	2	40.3	97.9	31	82.4	2.8	3	10.5	4.83	46.7	117	64.1	841	224	52
McGregor, TX	269	07N2-31	2	44.8	97.8	30	83.3	4.1	3	12.7	5.71	47.0	147	71.3	398	310	57
McGregor, TX	270	09AB_10	2	39.9	96.3	26	80.8	2.9	2	12.5	4.70	38.2	95	46.9	1625	188	39
McGregor, TX	271	07N2_13	2	42.2	99.2	20	83.1	n.d.	3	11.2	5.34	48.4	123	69.3	579	253	56
McGregor, TX	272	06WA_77	2	34.4	94.8	23	81.5	2.1	1	9.5	4.16	47.7	104	64.0	443	166	36
McGregor, TX	273	07N2_38	2	37.1	96.9	15	82.5	2.5	1	11.1	4.13	41.0	132	75.5	499	211	54
McGregor, TX	274	08N2-12	2	44.0	99.2	22	81.9	1.9	1	11.6	5.14	47.0	117	67.8	399	220	60

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McGregor, TX	275	09WA-52	2	33.3	95.5	26	82.7	2.6	1	11.2	7.41	71.7	192	77.7	124	222	49
McGregor, TX	276	08BA_02	2	37.6	92.8	22	81.1	3.7	1	12.2	6.34	52.2	163	112.0	171	311	46
McGregor, TX	277	09WA-19	2	34.7	96.1	21	80.1	2.1	1	10.9	5.55	53.7	117	65.6	187	209	42
McGregor, TX	278	09BA_89	2	35.9	85.9	26	80.4	4.3	1	12.1	5.29	45.7	136	119.1	135	338	56
McGregor, TX	280	06WA_38	2	34.1	88.4	26	80.4	2.9	1	12.3	4.93	43.7	175	80.2	272	270	53
McGregor, TX	281	06MT_67	2	40.1	98.9	22	81.9	2.8	1	10.6	4.40	41.9	105	81.8	61	260	61
McGregor, TX	282	07MT_40	2	39.2	90.8	18	80.8	2.3	1	11.7	4.40	39.2	136	73.9	382	226	52
McGregor, TX	283	09N2_39	2	38.0	94.0	20	81.0	3.1	2	11.6	4.68	43.1	129	70.8	389	245	57
McGregor, TX	284	06MT-82	2	34.9	98.0	29	81.8	2.4	1	11.4	4.81	43.9	144	73.6	320	220	58
McGregor, TX	285	07N2_61	2	41.9	98.0	23	81.0	3.0	1	12.1	5.71	50.1	98	86.9	469	260	46
McGregor, TX	286	06N2_06	2	31.3	85.3	30	79.7	2.2	1	11.3	4.70	45.6	107	46.0	586	170	42
McGregor, TX	287	09N2_21	2	39.8	98.7	24	82.5	2.6	1	11.0	3.89	35.9	112	82.1	212	257	40
McGregor, TX	288	09MT-94	2	35.9	95.7	22	81.3	2.8	1	10.4	5.49	56.2	122	112.0	274	289	48
McGregor, TX	289	09BA_03	2	34.9	98.2	25	79.5	2.5	1	14.1	6.29	45.6	225	87.3	223	331	38
McGregor, TX	290	06MT_59	2	31.2	83.2	32	79.4	2.7	1	11.7	4.99	45.6	110	44.2	641	176	36
McGregor, TX	291	2011_F5_59_2	6	25.8	43.5	12	71.4	4.5	1	20.1	8.20	42.1	253	92.1	373	291	26
McGregor, TX	292	2011_F5_47_3	6	29.2	66.5	8	75.4	4.7	2	14.8	6.12	42.8	160	97.0	370	243	27
McGregor, TX	293	CONRAD MALT CHECK	2	40.1	97.3	53	81.6	2.2	1	12.3	5.50	46.0	129	96.8	166	242	62
	294	CONRAD MALT CHECK	2	39.9	97.9	53	81.6	2.2	1	12.1	5.65	48.6	129	92.0	142	265	54
	295	Do_6 (OKARS_474)	6	22.0	51.9	9	68.3	n.d.	3	17.3	6.22	37.4	211	49.3	452	175	11
	296	2011_F5_47_1	6	27.0	62.8	10	73.3	4.2	1	17.6	7.04	40.0	215	97.7	324	325	21
	297	06OR_91	6	24.1	44.4	23	73.6	4.1	1	16.3	6.76	42.4	208	90.9	235	324	26
College Station	298	CONRAD MALT CHECK	2	39.9	97.1	52	82.4	2.8	2	12.3	5.61	45.7	128	94.1	121	274	58
	299	2011_Short_11	6	26.6	60.2	13	77.2	n.d.	3	14.4	6.26	43.3	161	109.0	120	302	31
	300	CONRAD MALT CHECK	2	40.3	97.4	52	82.1	2.3	1	12.5	5.45	46.8	148	104.5	121	265	65
College Station	301	2011_F5_96_2	6	25.6	33.7	14	75.0	4.9	3	14.1	5.62	41.0	124	95.9	227	253	23
McGregor, TX	302	2011_F5_96_4	6	27.2	60.7	31	78.6	3.9	1	12.0	4.53	38.0	142	59.1	412	186	33
McGregor, TX	303	08OR_48	6	26.7	62.3	24	77.7	5.2	1	12.3	5.16	42.9	156	76.1	220	225	39
McGregor, TX	304	2011-F5-124-1	6	31.0	75.0	10	73.6	n.d.	3	13.7	4.17	31.6	87	43.0	649	146	16
McGregor, TX	305	2011_F5_57_2	6	28.3	67.0	30	76.3	4.9	2	13.4	5.81	43.6	178	103.6	209	245	40
McGregor, TX	306	2011_F5_32_1	6	25.5	61.7	31	75.5	4.3	2	13.8	5.51	42.0	189	107.1	107	249	39
McGregor, TX	307	CONRAD MALT CHECK	2	40.4	97.7	53	82.7	2.8	1	12.6	5.62	45.6	137	106.6	130	237	61
	308	2011_F5_35_2	6	30.6	75.7	23	78.2	4.7	1	12.1	5.05	42.8	141	72.6	490	209	50
	309	CONRAD MALT CHECK	2	41.3	98.0	53	82.8	2.9	2	12.4	5.47	45.2	135	102.8	92	257	68
	310	CONRAD MALT CHECK	2	40.5	97.8	53	82.5	2.5	2	12.1	5.41	45.1	141	104.2	98	256	68
College Station	311	MW10S4122_005	6	28.9	78.0	23	78.0	2.8	2	14.3	5.26	37.5	206	82.3	237	225	36
College Station	312	CONRAD MALT CHECK	2	39.8	97.3	53	83.2	2.6	2	12.4	5.43	45.5	164	110.7	128	226	62
	313	06OR_78	6	32.9	83.0	17	74.9	n.d.	3	12.8	3.96	31.1	87	43.5	625	114	24
College Station	314	MW09S4080_001	6	27.6	62.0	24	77.7	2.6	1	13.5	5.13	39.5	243	96.0	134	233	37
McGregor, TX	315	2011_F5_72_3	6	30.5	73.0	16	76.9	5.5	1	13.6	5.48	41.4	196	87.1	397	233	40
McGregor, TX	316	Do_2 (OKARS 249)	6	24.8	65.2	17	71.0	n.d.	3	13.7	3.63	26.9	138	34.7	720	120	9
McGregor, TX	317	2011_F5_108_1	6	29.3	71.5	39	77.7	4.4	1	13.6	5.46	41.9	158	88.1	439	235	39
McGregor, TX	318	2011_F5_5_1	6	29.5	76.4	44	77.9	3.8	1	12.0	4.97	42.6	146	77.8	325	213	48
McGregor, TX	319	2011_F5_48_1	6	31.8	73.8	29	78.5	4.2	1	10.9	4.87	43.7	137	79.9	357	218	45
McGregor, TX	320	2011_F5_83_1	6	28.9	71.6	28	77.7	4.5	1	12.9	5.09	41.2	156	84.0	464	226	40
College Station	321	CONRAD MALT CHECK	2	40.5	97.6	53	82.1	2.5	1	12.5	4.55	37.8	139	97.0	136	247	60
	322	MW10S4122_001	6	28.7	68.0	22	78.4	2.8	1	14.9	4.31	29.9	201	106.8	184	265	30
	323	PO71DH_87	6	25.6	57.5	30	77.4	4.3	1	12.2	5.71	47.7	153	82.2	205	212	34
College Station	324	CONRAD MALT CHECK	2	40.1	97.8	52	82.3	2.2	1	12.3	4.38	37.3	153	104.2	149	267	56
	325	2011_F5_47_1	6	27.4	51.9	12	75.0	5.1	1	15.2	5.64	38.6	187	99.0	244	269	28
McGregor, TX	326	2011_F5_119_1	6	28.0	60.2	36	76.8	4.7	1	13.4	5.25	40.7	153	83.0	340	226	38
McGregor, TX	327	2011_F5_60_2	6	28.9	65.3	37	77.7	5.7	1	12.2	5.24	44.0	145	94.8	292	244	45
McGregor, TX	328	Do_5 (OKARS_452)	6	25.1	46.0	23	73.1	4.2	2	12.6	4.19	35.0	170	46.9	457	162	22
McGregor, TX	329	MW10S4122_001	6	31.3	84.4	30	79.8	5.5	1	11.5	5.81	46.4	139	88.0	171	313	55
	330	CONRAD MALT CHECK	2	39.6	97.7	55	82.1	2.5	1	12.3	5.31	44.4	148	97.5	144	257	63

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
College Station	331	MW10S4118_001	6	31.7	87.0	15	76.8	2.6	1	15.2	4.97	31.9	209	80.2	305	179	28
McGregor, TX	332	MW10S4118_004	6	34.8	91.5	30	78.4	3.7	1	13.4	5.83	46.7	203	82.7	271	253	56
McGregor, TX	333	2011_F5_131_1	6	27.3	54.5	40	76.1	3.5	1	11.9	5.05	42.8	118	72.3	317	187	27
College Station	334	MW10S4116_004	6	32.1	87.7	15	77.2	2.5	1	15.2	4.76	32.2	140	87.7	300	199	26
McGregor, TX	335	06OR_52	6	26.8	60.6	37	76.7	3.5	1	11.9	4.22	37.7	158	73.0	288	241	31
McGregor, TX	336	2011_F5_109_1	6	32.3	82.3	15	74.0	4.4	2	13.2	3.84	29.8	84	44.2	568	157	25
McGregor, TX	337	2011_Short_11	6	27.3	72.4	33	78.1	3.6	1	10.9	5.46	50.7	137	81.7	168	239	37
McGregor, TX	338	08OR_73	6	23.7	63.8	36	76.4	3.8	1	12.2	5.52	46.2	173	97.1	138	250	46
McGregor, TX	339	Do_3 (OKARS 248)	6	25.6	68.8	12	70.8	n.d.	3	13.2	3.25	25.0	108	25.7	753	89	10
McGregor, TX	340	2011_F5_56_3	6	30.0	76.7	32	76.8	4.6	1	12.8	5.20	41.5	158	82.4	324	224	41
	341	LACEY MALT CHECK	6	32.6	89.6	42	80.6	3.5	1	13.1	4.75	37.1	164	90.0	35	280	58
College Station	342	2011_F5_22_3	6	28.1	48.6	14	75.5	4.0	1	15.5	6.38	40.1	173	95.0	253	264	23
McGregor, TX	343	MW10S4122_005	6	33.6	94.8	30	79.7	2.5	1	12.8	8.02	65.8	193	68.1	376	262	51
McGregor, TX	344	06OR_9	6	31.9	81.6	15	73.9	n.d.	3	13.6	4.74	36.3	81	42.8	611	157	18
McGregor, TX	345	2011_F5_50_1	6	28.8	79.8	34	76.6	3.2	1	15.2	5.09	35.1	191	57.0	521	239	29
McGregor, TX	346	2011_F5_64_1	6	35.0	85.3	35	78.7	3.3	1	12.0	4.62	40.2	147	71.0	432	220	48
College Station	347	MW10S4118_001	6	32.2	86.9	16	75.9	2.2	1	15.3	4.59	29.8	193	75.6	366	203	31
McGregor, TX	348	2011_F5_56_3	6	29.0	73.4	32	77.0	4.9	1	12.4	5.23	42.5	99	51.5	220	265	41
McGregor, TX	349	2011-F5-135-4	6	31.9	78.4	15	74.4	3.7	2	13.0	4.71	38.9	163	101.0	538	156	32
McGregor, TX	350	MW10S4122_001	6	30.8	84.6	32	80.2	4.4	1	11.7	6.28	55.2	138	85.5	176	321	47
College Station	351	MW09S4080_001	6	28.9	77.9	22	77.2	2.2	1	14.3	4.50	32.3	231	83.1	181	236	26
McGregor, TX	352	06OR_52	6	23.9	62.6	16	72.0	n.d.	3	12.1	3.56	31.0	170	30.9	674	110	17
McGregor, TX	353	2011_F5_57_2	6	29.2	74.9	32	76.3	4.2	1	14.0	5.74	42.1	161	88.8	302	258	39
McGregor, TX	354	Do_2 (OKARS 249)	6	24.5	61.5	15	70.7	n.d.	3	13.8	3.99	29.7	177	39.7	684	130	12
College Station	355	Do_5 (OKARS_452)	6	23.6	35.8	18	73.8	4.0	2	12.6	4.39	34.6	180	44.7	457	175	22
McGregor, TX	356	MW10S4116_003	6	29.9	66.1	9	75.2	4.6	1	16.1	5.89	36.4	131	78.4	460	257	23
McGregor, TX	357	06OR_75	6	28.2	74.1	32	77.4	2.7	1	11.0	6.23	59.1	161	83.0	284	227	31
McGregor, TX	358	2011_F5_83_1	6	29.0	69.9	26	77.7	5.3	1	12.0	5.11	45.1	137	83.6	431	236	38
McGregor, TX	359	2011_F5_50_1	6	28.7	76.7	32	76.0	3.1	1	14.7	6.06	40.9	180	56.8	578	217	26
College Station	360	MW10S4116_004	6	32.0	88.8	20	77.7	2.0	1	14.3	5.66	40.5	150	88.7	257	201	38
McGregor, TX	361	Alba_1	6	30.4	85.0	24	77.4	3.1	1	12.3	5.27	43.9	161	68.9	446	199	50
McGregor, TX	362	2011_F5_76_1	6	29.5	73.3	38	77.3	4.6	1	12.0	5.16	44.2	133	87.3	372	210	41
McGregor, TX	363	2011_F5_60_2	6	28.2	64.2	20	77.8	4.9	1	11.7	5.79	51.7	143	92.5	309	252	40
McGregor, TX	364	2011_F5_131_1	6	27.7	66.2	21	77.4	5.5	1	12.2	5.69	47.7	147	89.5	193	265	38
McGregor, TX	365	MW09S4076_002	6	29.4	72.0	18	74.4	2.7	1	13.0	6.00	46.3	234	64.0	516	232	38
McGregor, TX	366	06OR_78	6	32.1	77.3	12	74.7	n.d.	3	12.0	4.33	36.3	95	45.3	682	156	22
McGregor, TX	367	08OR_81	6	24.7	40.6	35	76.1	4.0	1	11.5	5.82	48.2	125	83.7	352	253	31
McGregor, TX	368	2011_F5_132_1	6	30.0	72.8	30	77.1	5.0	1	11.4	5.66	50.5	128	89.8	414	269	32
McGregor, TX	369	08OR_44	6	28.8	73.4	33	79.7	3.5	1	10.7	4.75	45.7	121	64.3	496	231	43
McGregor, TX	370	2011_Short_8	6	29.1	71.5	28	78.0	4.7	1	11.7	5.54	47.2	147	85.0	434	255	44
McGregor, TX	371	OBADV11_2	6	26.4	66.3	35	76.1	3.6	1	12.8	5.71	45.9	146	68.7	356	227	39
	372	LACEY MALT CHECK	6	33.1	89.8	41	80.5	2.6	1	13.7	7.06	55.4	190	92.4	52	285	53
McGregor, TX	373	2011_F5_22_3	6	31.1	81.5	32	78.9	2.8	1	11.1	4.74	45.1	140	74.3	398	185	39
McGregor, TX	374	06OR_91	6	27.1	69.4	32	78.3	2.6	1	11.0	6.05	56.8	212	77.0	304	216	33
McGregor, TX	375	08OR_48	6	26.1	60.0	21	76.9	4.1	1	11.7	5.19	44.5	200	78.1	248	238	39
McGregor, TX	376	2011_F5_126_1	6	29.6	75.2	26	78.4	4.4	1	11.2	5.33	49.8	145	84.2	399	221	45
McGregor, TX	377	OR818	6	25.8	71.5	22	79.3	5.6	1	11.1	6.05	56.0	124	98.8	123	299	36
McGregor, TX	378	Do_3 (OKARS 248)	6	26.3	73.3	7	71.6	n.d.	3	12.6	3.64	29.1	129	35.7	737	95	17
McGregor, TX	379	06OR_91	6	28.5	57.3	7	76.1	3.5	1	11.5	5.29	49.1	114	67.4	267	198	31
McGregor, TX	380	2011_F5_124_1	6	29.2	75.1	30	76.6	4.3	1	12.1	5.08	44.2	144	77.2	422	225	44
McGregor, TX	381	MW10S4116_003	6	34.8	91.2	29	80.9	3.9	2	11.0	5.46	53.8	111	63.5	554	219	45
McGregor, TX	382	2011-F5-124-1	6	30.1	67.7	12	74.9	n.d.	3	12.2	4.32	36.6	91	48.6	583	154	18
McGregor, TX	383	2011_F5_109_1	6	30.2	67.6	9	76.5	3.3	1	11.7	5.52	48.6	113	67.6	278	214	35
McGregor, TX	384	Full_Pint_1	6	28.2	67.1	17	76.5	3.5	1	10.9	4.45	41.7	147	68.4	347	225	28
McGregor, TX	385	07BA_09	6	32.6	92.9	26	80.6	2.3	1	11.2	5.87	55.7	231	92.2	262	288	49

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McGregor, TX	386	09MN-04	6	31.1	98.2	35	79.8	1.9	1	12.1	5.52	47.0	245	79.8	287	221	62
McGregor, TX	387	08N6_96	6	35.1	97.8	22	80.9	n.d.	3	12.7	6.83	55.8	204	81.8	289	357	49
McGregor, TX	388	AC_Metcalf_2	6	38.5	97.0	28	82.5	4.9	2	11.9	7.35	63.1	158	104.2	153	366	53
McGregor, TX	389	08MN-84	6	30.1	88.3	31	80.8	2.3	1	10.9	4.91	47.2	186	78.1	92	229	55
McGregor, TX	390	09N6_69	6	33.6	97.9	26	80.3	n.d.	3	12.6	5.68	46.5	161	78.6	250	291	61
McGregor, TX	391	08BA_64	6	35.1	96.3	21	80.0	3.8	1	12.4	5.50	47.9	156	88.2	194	295	58
McGregor, TX	392	06MN-62	6	39.2	97.9	25	80.0	4.7	1	13.9	5.84	44.7	170	90.5	259	354	54
McGregor, TX	393	Do_4 (Stoneham)	6	33.1	81.8	21	78.1	2.7	1	12.6	4.41	36.1	95	56.5	388	183	33
McGregor, TX	394	07UT-36	6	39.8	97.7	5	78.1	n.d.	3	10.4	5.84	61.7	141	57.2	397	196	39
McGregor, TX	395	09MN-70	6	37.4	98.9	22	81.1	n.d.	3	13.5	4.41	35.2	177	93.6	156	339	52
McGregor, TX	396	Do_3 (Sidney)	6	40.8	97.1	16	77.4	2.3	1	14.9	5.69	40.1	136	45.1	572	174	27
McGregor, TX	397	06MN-18	6	38.0	97.8	25	81.3	5.5	2	12.5	4.79	39.8	148	89.3	142	333	53
McGregor, TX	398	08BA_44	6	32.7	94.9	25	80.6	2.7	1	11.2	5.08	47.6	197	68.1	189	227	49
McGregor, TX	399	08AB_80	6	36.4	98.4	21	79.0	3.6	2	12.2	5.18	44.6	183	82.1	239	261	58
McGregor, TX	400	07AB-16	6	29.2	84.9	28	78.9	2.9	1	9.7	4.08	44.6	121	62.8	71	179	44
McGregor, TX	401	08N6_21	6	30.0	93.7	31	80.7	2.8	1	10.9	4.88	47.9	128	91.6	119	243	50
McGregor, TX	402	08UT_10	6	38.2	99.0	15	77.0	n.d.	3	14.1	5.58	40.2	132	75.0	314	297	33
	403	LACEY MALT CHECK	6	32.8	89.7	42	80.2	3.0	1	13.1	5.29	41.8	167	88.3	49	268	65
McGregor, TX	404	08N6-35	6	34.1	98.2	22	78.7	n.d.	3	11.9	5.20	44.3	124	65.0	279	263	51
McGregor, TX	405	08MN-34	6	31.5	93.1	30	80.2	4.6	2	11.6	5.24	49.2	115	96.8	93	303	56
McGregor, TX	406	07BA_28	6	35.3	98.4	15	79.1	3.6	1	12.4	5.18	44.9	172	79.4	133	279	62
McGregor, TX	407	06N6_71	6	32.9	98.4	29	80.3	3.1	1	10.6	4.77	45.7	163	83.2	94	250	58
McGregor, TX	408	06AB-84	6	31.8	97.0	19	79.4	2.9	2	9.9	4.21	42.7	138	57.4	317	194	44
McGregor, TX	409	07MN-85	6	36.5	98.1	25	80.2	3.2	2	13.0	5.22	42.1	205	72.7	268	256	62
McGregor, TX	410	07N6_80	6	34.4	98.0	27	78.8	3.6	2	11.8	5.18	45.1	96	77.4	141	278	51
McGregor, TX	411	Conlon_1	6	39.4	99.2	25	81.7	3.3	1	11.3	4.91	46.2	122	82.7	216	238	51
McGregor, TX	412	09BA-50	6	34.4	96.9	23	78.6	2.9	2	12.9	5.11	40.0	213	84.2	226	256	50
McGregor, TX	413	08AB-54	6	32.7	98.8	26	79.6	3.3	1	11.7	5.15	45.1	158	80.3	134	282	62
McGregor, TX	414	08MN_49	6	32.5	94.9	34	80.8	2.2	1	10.9	5.24	51.3	132	68.8	93	234	57
McGregor, TX	415	09BA_37	6	32.5	97.8	23	81.6	2.8	1	10.6	4.75	47.7	138	79.5	160	280	46
McGregor, TX	416	08BA_54	6	33.8	98.8	32	81.3	2.0	1	11.2	5.00	45.5	198	72.0	221	251	54
McGregor, TX	417	09N6-36	6	34.7	98.0	20	79.4	3.5	1	12.4	5.53	44.7	165	78.5	260	318	63
McGregor, TX	418	Do_3 (Sidney)	6	39.0	97.1	18	77.4	2.2	1	13.3	5.25	41.0	97	48.9	498	201	38
McGregor, TX	419	07UT_71	6	33.5	98.3	27	79.6	3.4	1	12.1	5.25	46.9	146	77.7	162	279	66
McGregor, TX	420	09MN-04	6	32.9	98.9	24	79.6	2.0	1	12.5	4.77	38.5	201	81.3	214	249	51
McGregor, TX	421	AC Metcalf-2	6	37.9	96.6	26	81.3	3.7	1	12.1	5.30	45.5	152	107.2	115	324	70
McGregor, TX	422	09MN_30	6	34.6	97.4	30	80.1	2.7	1	12.1	4.87	41.1	174	69.6	335	288	54
McGregor, TX	423	06AB_84	6	32.1	96.6	21	79.3	2.4	1	11.0	4.49	44.3	140	61.9	355	245	51
McGregor, TX	424	08N6-77	6	32.7	98.5	29	79.8	3.5	1	11.9	5.08	44.4	166	86.3	126	293	62
McGregor, TX	425	09N6-69	6	34.5	99.3	25	79.3	4.2	2	12.9	5.59	44.3	129	77.8	213	319	59
McGregor, TX	426	07MN_42	6	36.6	97.4	27	79.8	2.7	1	13.2	5.92	47.9	189	77.1	263	273	54
McGregor, TX	427	09BA_50	6	33.0	96.6	28	79.3	2.4	1	13.5	5.71	44.8	208	80.9	224	275	59
McGregor, TX	428	09N6-63	6	33.9	99.5	25	81.3	2.2	1	11.2	4.75	44.8	173	75.7	168	263	54
McGregor, TX	429	09N6-59	6	34.9	97.7	26	80.2	3.0	1	12.0	5.09	44.1	180	79.6	110	292	66
McGregor, TX	430	06N6_88	6	34.5	97.5	16	78.7	3.0	1	12.1	4.94	43.9	138	74.1	274	269	53
McGregor, TX	431	07UT_88	6	34.3	91.5	27	79.2	3.1	1	12.6	4.76	39.4	122	83.2	448	266	48
McGregor, TX	432	07BA-09	6	36.2	98.7	27	80.7	2.1	1	11.4	4.97	44.3	219	103.3	115	279	61
McGregor, TX	433	08UT-80	6	31.1	89.5	25	78.7	2.3	1	11.4	4.25	38.7	127	52.1	338	207	39
	434	LACEY MALT CHECK	6	33.5	89.9	43	79.8	2.7	1	13.4	5.60	44.5	185	93.8	33	307	70
McGregor, TX	435	07MN-90	6	34.5	95.9	22	78.3	3.2	2	11.8	5.39	46.2	181	90.2	249	283	59
McGregor, TX	436	06BA_06	6	35.2	98.6	32	81.4	2.9	2	12.4	5.83	50.9	236	89.5	170	316	56
McGregor, TX	437	08MN-78	6	35.6	97.9	27	79.6	3.6	2	12.5	5.44	44.0	232	84.6	246	313	62
McGregor, TX	438	07MN-85	6	37.1	97.6	23	79.4	4.1	2	13.6	6.21	47.1	212	81.3	300	350	45
McGregor, TX	439	06AB_62	6	33.5	95.1	17	80.8	2.8	1	10.9	5.13	49.0	150	71.6	237	260	49
McGregor, TX	440	06AB_55	6	33.5	95.0	16	78.5	3.2	2	11.8	4.98	45.4	123	62.5	542	245	52

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McGregor, TX	441	08N6_52	6	32.8	95.6	29	79.0	3.8	2	12.0	6.01	50.0	148	100.5	53	349	54
McGregor, TX	442	07UT_96	6	31.0	91.8	17	79.5	3.1	1	11.7	5.19	48.0	154	75.0	224	262	53
McGregor, TX	443	07N6_80	6	30.7	89.7	28	79.5	2.9	1	9.2	4.26	47.9	118	63.6	85	214	45
McGregor, TX	444	08BA_44	6	34.7	98.4	21	79.9	n.d.	3	12.3	5.56	47.1	180	78.3	258	319	56
McGregor and College Station, TX	445	2011_F5_4_2	6	29.9	68.5	8	76.9	5.5	1	14.8	5.95	40.8	200	108.1	308	304	26
McGregor and College Station, TX	446	MW10S4120_008	6	27.0	75.6	13	74.0	2.9	1	16.2	5.65	36.7	237	89.6	391	263	31
McGregor and College Station, TX	447	MW10S4118_003	6	29.0	67.3	19	74.5	2.7	1	14.8	5.07	35.1	200	88.9	216	238	26
McGregor and College Station, TX	448	MW10S4122_005	6	27.6	72.1	15	75.0	3.0	1	15.4	5.35	35.1	218	92.3	257	267	28
McGregor and College Station, TX	449	06OR_91	6	24.9	33.8	28	73.7	3.9	1	15.6	5.84	38.1	221	103.4	213	306	24
McGregor and College Station, TX	450	MW10S4122_001	6	30.0	81.0	16	77.1	3.2	1	14.8	6.03	40.1	211	102.5	306	337	28
McGregor and College Station, TX	451	2011_F5_47_1	6	29.7	71.0	8	75.0	6.3	3	15.9	5.49	34.9	179	64.6	356	271	28
McGregor and College Station, TX	452	OBADV11_2	6	25.8	60.0	24	72.5	5.8	1	15.8	6.85	43.7	168	92.4	160	341	29
McGregor and College Station, TX	453	MW09S4076_002	6	30.3	75.2	20	74.0	3.2	1	13.3	5.23	39.6	244	67.7	353	261	45
McGregor and College Station, TX	454	2011_F5_112_3	6	25.4	55.5	27	73.0	5.3	1	14.8	5.42	36.0	186	96.7	197	296	28
McGregor and College Station, TX	455	OBADV11_13	6	30.5	69.2	31	75.3	4.2	1	13.1	5.58	43.7	178	54.2	272	215	47
McGregor and College Station, TX	456	2011_F5_76_1	6	29.8	75.0	36	76.4	4.3	1	11.7	5.11	43.4	146	83.8	331	230	44
McGregor and College Station, TX	457	2011_F5_95_1	6	29.5	74.9	35	77.6	4.1	1	11.5	5.01	43.8	130	74.0	309	220	41
McGregor and College Station, TX	458	2011_F5_52_2	6	29.4	77.2	19	76.0	3.9	1	13.9	5.26	40.3	180	62.7	330	240	38
McGregor and College Station, TX	459	2011_F5_109_3	6	27.5	52.5	12	74.9	3.5	1	12.2	5.05	43.2	111	66.2	164	227	35
McGregor and College Station, TX	460	MW09S4080_001	6	31.1	89.1	21	77.9	3.2	1	11.8	5.55	48.1	170	78.2	191	251	51
McGregor and College Station, TX	461	2011_F5_105_1	6	29.0	69.8	37	77.3	3.4	1	12.1	5.20	45.7	173	76.3	171	250	45
McGregor and College Station, TX	462	Alba_2	6	31.4	77.6	30	78.3	4.5	1	11.4	5.28	47.7	122	83.7	260	228	44
McGregor and College Station, TX	463	Full_Pint_1	2	27.1	59.4	28	74.7	3.9	1	13.0	5.12	40.5	143	72.8	271	220	43
	464	LACEY MALT CHECK	6	33.0	89.0	42	79.6	3.1	1	13.5	5.91	45.8	149	88.8	40	287	61
McGregor and College Station, TX	465	07OR_3	6	24.7	72.9	20	75.1	5.8	1	12.5	6.53	56.1	128	90.5	71	311	35
McGregor and College Station, TX	466	2011_F5_120_3	6	27.6	56.8	36	74.4	5.8	1	13.4	5.71	45.3	135	79.8	228	243	36
McGregor and College Station, TX	467	OR91	6	24.4	61.3	28	77.2	6.4	1	11.5	6.66	56.1	117	98.0	86	318	31
McGregor and College Station, TX	468	2011_F5_121_4	6	27.4	63.1	36	74.8	4.9	1	12.3	5.92	49.3	150	88.4	143	252	37
McGregor and College Station, TX	469	07OR_63	6	29.1	72.7	41	77.5	3.9	1	14.6	5.68	40.6	189	71.2	359	238	30
McGregor and College Station, TX	470	OR813	6	26.9	67.8	35	77.0	3.5	1	11.8	5.30	48.1	135	78.8	165	225	38
McGregor and College Station, TX	471	07OR_6	6	23.1	50.8	23	76.6	7.3	1	12.1	6.86	60.2	115	107.3	53	343	31
McGregor and College Station, TX	472	2011_F5_66_3	6	30.1	69.4	31	76.9	5.1	1	12.8	6.25	49.0	157	84.0	336	280	35
McGregor and College Station, TX	473	2011_F5_88_3	6	28.5	67.8	36	76.5	5.1	1	11.9	5.57	48.4	140	77.9	237	236	37
McGregor and College Station, TX	474	2011_F5_47_3	6	30.8	87.8	28	77.7	4.0	1	12.6	4.95	40.9	166	69.4	513	204	47
McGregor and College Station, TX	475	2011_F5_132_1	6	29.9	72.7	34	76.2	5.2	1	12.4	5.48	44.6	133	90.6	365	241	42
McGregor and College Station, TX	476	2011_F5_109_3	6	31.8	77.5	36	76.7	4.4	1	13.2	5.58	44.2	131	76.3	493	227	47
McGregor and College Station, TX	477	OBADV11_13	6	29.7	70.2	38	74.5	4.1	1	13.2	5.42	41.5	163	59.9	239	229	40
McGregor and College Station, TX	478	Full_Pint_2	2	27.7	68.8	24	75.4	4.6	1	13.2	5.31	42.3	145	73.0	286	226	38
McGregor and College Station, TX	479	OR818	6	23.2	57.4	21	75.6	6.2	1	12.1	5.42	45.7	123	89.5	103	318	47
McGregor and College Station, TX	480	2011_F5_48_1	6	31.0	75.3	25	77.5	4.3	1	12.0	4.53	40.9	153	85.0	320	245	38
McGregor and College Station, TX	481	06OR_43	6	28.4	57.9	37	75.7	2.9	1	11.7	4.57	41.0	159	78.3	253	217	33
McGregor and College Station, TX	482	OR104	6	26.3	64.3	21	77.3	4.4	1	12.1	5.74	49.8	171	88.1	174	266	34
McGregor and College Station, TX	483	2011_F5_4_2	6	30.6	89.3	23	77.8	4.3	1	13.8	5.02	36.7	183	89.2	360	304	42
McGregor and College Station, TX	484	OBADV11_13	6	27.0	60.7	38	75.1	3.6	1	12.4	5.42	44.0	166	83.1	208	276	43
McGregor and College Station, TX	485	2011_F5_113_2	6	25.8	57.5	31	75.6	6.0	1	13.2	5.88	45.5	163	106.3	84	297	46
McGregor and College Station, TX	486	07OR_3	6	26.9	86.0	21	76.0	5.1	1	12.2	5.28	45.7	143	94.6	82	294	55
McGregor and College Station, TX	487	2011_F5_112_1	6	27.4	65.1	27	75.7	4.8	1	12.0	5.16	45.0	136	87.1	288	221	36
McGregor and College Station, TX	488	2011_F5_47_3	6	29.3	67.4	35	74.9	2.9	1	13.0	4.47	34.5	169	56.5	360	201	33
McGregor and College Station, TX	489	OBADV11_31	6	26.0	77.0	24	74.7	3.8	1	13.1	4.73	36.6	136	59.6	236	216	31
McGregor and College Station, TX	490	2011_F5_55_1	6	29.2	66.3	16	75.4	4.0	1	12.1	4.95	42.0	170	78.7	341	259	41
McGregor and College Station, TX	491	MW10S4122_005	6	33.3	94.0	25	78.4	2.4	1	13.2	5.18	42.0	199	72.3	360	253	51
McGregor and College Station, TX	492	MW10S4118_003	6	31.5	90.7	24	77.4	2.9	1	12.0	5.44	47.2	184	80.0	228	253	47
McGregor and College Station, TX	493	07OR_59	6	27.2	66.8	30	77.9	4.4	1	12.3	5.06	40.6	160	90.0	179	281	38
McGregor and College Station, TX	494	06OR_59	6	34.1	95.8	24	78.2	2.4	2	12.4	4.75	40.8	116	63.0	320	226	40
	495	LACEY MALT CHECK	6	32.7	90.2	42	79.6	2.5	1	13.2	5.24	40.2	174	96.7	41	300	65

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McGregor and College Station, TX	496	2011_F5_56_1	6	26.0	55.7	35	76.3	3.7	1	13.1	4.98	39.8	192	78.6	298	295	34
McGregor and College Station, TX	497	08OR_30	6	28.2	70.5	26	75.6	4.0	1	12.8	5.30	41.3	164	86.4	262	265	40
McGregor and College Station, TX	498	MW10S4120_008	6	30.5	91.7	25	77.4	3.2	1	13.2	5.05	39.3	202	78.7	391	318	43
McGregor and College Station, TX	499	2011_F5_27_1	6	27.3	73.8	28	76.6	4.1	1	12.1	4.98	44.4	153	61.5	408	237	42
McGregor and College Station, TX	500	2011_F5_91_1	6	27.4	62.1	31	78.3	4.0	2	10.8	3.70	36.1	135	67.6	361	226	29
McGregor and College Station, TX	501	2011_F5_35_2	6	29.4	69.6	19	77.0	4.2	1	12.2	4.65	40.0	158	74.6	458	248	33
McGregor and College Station, TX	502	2011_F5_90_5	6	27.0	75.1	28	76.2	4.7	1	12.8	5.66	45.2	159	87.3	330	316	46
McGregor and College Station, TX	503	06OR_59	6	28.8	81.5	32	77.0	3.6	1	11.2	4.21	39.5	122	76.4	271	199	28
McGregor and College Station, TX	504	2011_F5_47_1	6	30.8	87.3	22	77.3	2.8	1	12.1	4.47	37.0	141	68.7	262	237	40
McGregor and College Station, TX	505	2011_F5_96_4	6	28.2	63.1	33	77.2	3.3	1	10.4	3.62	36.2	134	60.9	363	202	25
McGregor and College Station, TX	506	06OR_37	6	28.1	75.8	32	76.3	3.5	1	12.2	4.65	41.1	196	70.6	411	258	36
McGregor and College Station, TX	507	2011_Short_16	6	30.0	82.1	32	79.0	3.7	1	11.1	4.59	42.4	146	84.6	230	289	47
McGregor and College Station, TX	508	06OR_41	6	27.3	61.7	34	76.5	3.4	1	11.9	4.83	41.1	169	77.5	267	265	34
McGregor and College Station, TX	509	2011_F5_121_2	6	31.1	84.8	26	78.0	3.0	1	11.6	4.28	39.7	147	74.8	411	218	44
McGregor and College Station, TX	510	2011_Short_12	6	30.1	83.3	28	78.5	3.9	1	11.0	4.78	44.3	140	92.8	140	306	47
McGregor and College Station, TX	511	2011_F5_66_3	6	30.5	75.3	34	78.0	4.2	1	11.5	5.14	45.3	149	80.7	452	317	45
McGregor and College Station, TX	512	OR813	6	27.4	72.9	37	77.0	3.1	2	11.3	4.05	39.3	128	80.5	149	234	25
McGregor and College Station, TX	513	2011_F5_37_1	6	30.3	75.3	17	76.4	3.9	1	12.3	4.66	39.6	167	75.8	502	252	38
McGregor and College Station, TX	514	2011_F5_9_2	6	30.6	75.2	37	76.3	3.8	1	11.9	4.50	38.4	140	74.9	395	236	38
McGregor and College Station, TX	515	2011_F5_9_2	6	27.1	70.7	30	76.9	3.2	2	11.7	4.73	41.3	131	65.0	304	229	27
Fremont, Ohio	516	NW-001	6	28.5	72.3	64	74.0	2.0	1	12.9	3.35	26.0	147	40.5	546	163	25
Fremont, Ohio	517	NW-002	6	26.3	63.6	76	76.7	1.8	1	11.9	3.83	34.1	163	56.4	293	205	31
Fremont, Ohio	518	NW-003	6	26.4	62.3	80	74.8	1.9	2	12.9	4.37	34.8	134	50.1	318	167	22
Fremont, Ohio	519	NW-004	6	30.5	63.2	68	77.1	n.d.	3	12.9	3.69	29.0	169	50.7	483	197	31
Fremont, Ohio	520	NW-005	6	24.2	39.8	65	74.6	3.1	1	12.4	4.10	35.3	199	54.7	187	204	31
Fremont, Ohio	521	NW-006	6	24.4	41.8	75	76.7	2.0	1	12.6	4.36	36.4	192	78.8	194	253	31
Fremont, Ohio	522	NW-007	6	24.6	51.1	69	76.8	3.0	2	12.3	4.40	37.1	169	55.9	146	192	31
Fremont, Ohio	523	NW-008	6	27.5	38.0	68	76.6	3.1	2	12.6	2.97	24.3	106	55.5	611	163	18
Fremont, Ohio	524	NW-009	6	30.2	81.6	68	77.4	2.2	2	11.7	3.55	31.5	140	49.8	515	135	31
Fremont, Ohio	525	NW-010	6	29.3	66.8	92	74.5	2.6	2	12.3	4.03	33.1	148	54.0	419	175	27
	526	LACEY MALT CHECK	6	32.9	88.7	42	79.7	3.1	1	13.5	5.93	46.0	167	90.1	35	306	66
Fremont, Ohio	527	NW-011	6	30.4	77.9	65	75.7	n.d.	3	13.4	4.16	32.2	98	47.7	707	157	21
Fremont, Ohio	528	NW-012	2	36.6	90.5	60	77.6	2.7	2	13.6	3.99	31.3	201	41.1	405	149	17
Fremont, Ohio	529	NW-013	2	38.5	95.9	52	79.2	n.d.	3	12.1	4.00	35.5	147	40.4	291	145	35
Fremont, Ohio	530	NW-014	2	37.3	95.6	63	77.5	n.d.	3	12.7	3.69	30.3	140	37.0	528	124	22
Fremont, Ohio	531	NW-015	2	38.2	92.5	69	78.8	2.6	2	12.7	4.36	35.0	149	52.4	259	174	39
Fremont, Ohio	532	NW-016	2	39.8	95.8	58	79.7	2.4	2	12.6	4.29	35.3	184	56.1	228	155	42
Fremont, Ohio	533	NW-017	2	36.0	92.6	57	78.9	2.5	2	12.8	3.94	31.6	162	54.8	217	153	34
Fremont, Ohio	534	NW-018	2	38.4	95.3	69	76.8	3.1	2	12.8	4.00	31.6	128	40.4	623	150	32
Fremont, Ohio	535	NW-019	2	37.7	94.4	61	77.4	1.9	1	13.1	4.46	34.3	212	52.4	347	171	33
Fremont, Ohio	536	NW-020	2	33.9	88.9	50	77.8	2.7	2	12.8	3.76	29.6	103	37.3	589	145	18
Fremont, Ohio	537	NW-021	2	34.6	89.0	47	77.8	2.5	2	13.5	3.99	31.3	103	36.5	603	144	8
Fremont, Ohio	538	NW-022	2	40.0	95.4	70	75.4	n.d.	3	13.9	4.17	30.6	155	55.2	490	145	24
Fremont, Ohio	539	NW-023	2	37.6	94.8	56	78.9	2.6	1	14.8	6.26	44.1	154	99.9	216	265	35
Fremont, Ohio	540	NW-024	2	36.5	87.4	63	77.8	1.6	1	13.3	4.38	34.3	168	64.1	475	179	27
Fremont, Ohio	541	NW-025	2	37.3	96.1	62	75.6	2.2	2	15.4	4.89	32.3	178	57.5	572	185	30
Fremont, Ohio	542	NW-026	2	45.2	97.6	70	75.4	n.d.	3	15.3	4.63	30.2	173	55.0	515	181	34
Fremont, Ohio	543	NW-027	2	44.4	98.2	49	76.0	n.d.	3	14.6	4.72	32.8	210	83.0	536	194	36
Fremont, Ohio	544	NW-028	2	45.0	97.1	72	75.7	2.8	2	14.6	3.60	25.0	122	46.4	627	156	22
Fremont, Ohio	545	NW-029	2	45.8	97.1	53	77.2	n.d.	3	14.7	3.98	27.8	190	65.4	209	190	29
Fremont, Ohio	546	NW-030	2	41.9	94.4	69	77.3	n.d.	3	13.7	4.90	35.7	160	47.5	434	161	27
Fremont, Ohio	547	NW-031	2	45.9	96.8	67	74.4	n.d.	3	15.5	4.23	27.4	176	56.7	201	169	27
Fremont, Ohio	548	NW-032	2	39.5	96.9	64	77.6	n.d.	3	14.0	3.97	28.8	126	45.0	482	181	21
Fremont, Ohio	549	NW-033	2	41.6	92.6	54	74.0	n.d.	3	16.3	4.60	28.2	199	48.1	634	174	27
Fremont, Ohio	550	NW-034	2	40.4	93.8	49	76.9	n.d.	3	15.5	4.62	30.8	199	60.6	376	191	35

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Fremont, Ohio	551	NW-035	2	42.5	93.5	54	74.5	n.d.	3	16.3	4.09	25.5	200	56.1	200	197	32
Fremont, Ohio	552	NW-036	2	42.9	96.7	60	73.7	n.d.	3	15.8	4.20	27.2	166	49.6	494	171	24
Fremont, Ohio	553	NW-037	2	38.8	95.1	54	74.9	2.9	2	15.3	3.59	23.8	193	51.2	665	147	22
Fremont, Ohio	554	NW-038	2	41.9	94.0	71	75.0	n.d.	3	15.1	4.27	28.7	144	52.8	524	174	26
Fremont, Ohio	555	NW-039	2	46.3	93.0	69	75.1	n.d.	3	15.7	4.87	31.2	163	53.9	492	201	36
Fremont, Ohio	556	NW-040	2	42.3	97.1	60	75.0	2.6	2	15.3	4.09	27.4	209	47.3	432	165	25
	557	LACEY MALT CHECK	6	32.9	88.9	42	79.4	2.8	1	13.4	5.83	45.7	188	92.5	44	295	66
Fremont, Ohio	558	NW-041	2	44.7	91.8	66	75.0	n.d.	3	16.0	4.65	29.5	159	54.8	435	175	31
Fremont, Ohio	559	NW-042	2	38.4	92.9	50	73.9	1.8	1	16.9	4.70	28.4	217	50.8	366	180	33
Fremont, Ohio	560	NW-043	2	40.9	95.0	48	78.1	2.9	2	12.5	4.40	35.6	139	49.5	596	145	38
Fremont, Ohio	561	NW-044	2	39.4	97.0	63	77.6	n.d.	3	13.4	4.16	31.9	114	48.3	657	145	23
Fremont, Ohio	562	NW-045	2	36.9	90.4	45	75.2	n.d.	3	15.1	5.88	39.2	166	53.9	362	178	22
Fremont, Ohio	563	NW-046	2	28.4	56.3	50	77.0	1.8	1	11.9	3.48	30.2	176	49.0	504	149	23
Fremont, Ohio	564	NW-047	2	38.8	82.4	69	74.2	2.5	2	15.1	4.25	28.5	188	48.4	643	166	17
Fremont, Ohio	565	NW-048	2	39.7	92.9	56	72.4	2.9	2	17.0	5.26	32.7	216	52.2	484	181	32
Piketon, Ohio	566	PTN-049	6	40.0	97.4	42	79.3	n.d.	3	9.4	3.62	39.2	123	35.2	262	137	29
Piketon, Ohio	567	PTN-050	2	35.3	88.2	42	77.2	n.d.	3	10.5	4.48	44.4	135	53.9	294	167	34
Piketon, Ohio	568	PTN-051	6	40.5	96.2	56	79.0	n.d.	3	8.0	3.67	50.8	79	57.5	76	182	36
Piketon, Ohio	569	PTN-052	6	30.4	84.6	49	78.6	3.1	1	9.7	3.65	38.2	101	55.2	152	196	36
Piketon, Ohio	570	PTN-053	6	34.0	88.1	42	80.9	3.1	2	8.0	3.40	46.4	124	54.4	82	145	49
Piketon, Ohio	571	PTN-054	6	31.2	88.8	42	79.0	n.d.	3	9.3	4.14	49.0	152	54.0	54	167	45
Piketon, Ohio	572	PTN-055	6	31.4	86.9	41	80.7	3.8	1	8.7	3.71	44.6	110	70.7	113	201	50
Piketon, Ohio	573	PTN-056	2	42.2	96.5	40	81.3	2.7	1	9.5	3.47	40.5	140	40.5	112	141	46
Piketon, Ohio	574	PTN-057	2	37.7	93.7	37	80.6	3.2	1	8.9	3.63	42.3	113	49.7	78	160	39
Piketon, Ohio	575	PTN-058	2	37.9	92.1	45	79.8	n.d.	3	9.0	3.97	46.1	76	46.5	192	177	26
Piketon, Ohio	576	PTN-059	6	39.2	96.0	45	80.7	3.0	1	8.4	3.60	43.3	130	44.1	123	135	43
Piketon, Ohio	577	PTN-060	6	32.7	80.9	41	78.5	n.d.	3	9.5	3.52	40.4	109	49.7	272	165	26
Piketon, Ohio	578	PTN-061	6	31.8	90.1	52	79.8	n.d.	3	9.1	3.52	40.1	137	53.9	89	161	42
Piketon, Ohio	579	PTN-062	2	34.9	90.8	41	79.2	3.0	1	10.1	3.86	40.9	92	49.0	251	185	28
Piketon, Ohio	580	PTN-063	6	30.5	61.5	42	78.2	n.d.	3	10.2	3.91	40.4	98	51.6	318	139	20
Piketon, Ohio	581	PTN-064	2	41.6	96.2	37	81.9	2.7	1	9.3	3.62	39.7	122	54.0	82	137	47
Piketon, Ohio	582	PTN-065	2	33.1	90.6	31	78.8	2.6	1	10.2	4.14	40.9	112	48.1	201	170	32
Piketon, Ohio	583	PTN-066	2	34.0	91.0	62	79.3	3.0	1	9.6	3.69	39.7	76	52.9	191	149	23
Piketon, Ohio	584	PTN-067	6	34.2	94.0	45	80.0	3.0	2	8.8	3.51	40.9	104	48.7	283	150	30
Piketon, Ohio	585	PTN-068	2	38.8	94.4	34	80.9	2.7	1	9.8	3.90	40.5	131	52.0	160	157	40
Piketon, Ohio	586	PTN-069	2	37.1	94.7	40	81.1	3.4	1	9.7	3.74	40.6	98	52.5	94	158	41
McGregor, TX	587	07UT_18	6	36.2	97.2	17	80.9	3.6	1	12.1	4.98	42.5	99	65.5	320	255	52
	588	LACEY MALT CHECK	6	33.1	89.6	42	80.3	2.6	1	13.4	5.69	45.4	185	101.8	53	298	70
McGregor, TX	589	06BA_30	6	33.1	98.0	27	81.2	3.3	1	12.4	5.37	46.5	192	94.4	156	280	66
McGregor, TX	590	07UT_93	6	32.7	90.9	17	78.4	2.7	1	13.7	4.89	36.1	143	65.4	427	234	46
McGregor, TX	591	08MN_67	6	33.3	97.2	34	79.3	2.6	1	13.1	4.98	40.6	218	76.5	360	237	54
McGregor, TX	592	06BA_06	6	34.5	97.4	23	80.3	3.8	2	14.7	6.94	48.7	309	101.1	170	311	40
McGregor, TX	593	07MN_90	6	36.3	98.2	22	78.4	3.5	1	13.6	6.30	48.9	208	98.7	249	287	43
McGregor, TX	594	08N6_77	6	32.9	98.1	30	79.3	n.d.	3	12.7	5.86	48.1	190	77.5	240	247	52
McGregor, TX	595	09N6_59	6	36.7	98.7	26	80.3	3.9	2	12.9	6.19	48.9	211	82.7	170	270	50
McGregor, TX	596	09N6_36	6	34.6	97.4	22	79.1	n.d.	3	12.2	6.14	52.1	158	81.3	254	260	49
McGregor, TX	597	Do_2 (STARS_0622B)	6	39.2	97.3	22	81.1	3.6	1	12.8	5.96	48.9	125	94.1	242	306	51
McGregor, TX	598	08MN_59	6	34.1	98.2	24	80.4	3.2	1	13.1	6.58	52.9	197	81.3	155	298	54
McGregor, TX	599	06MN_10	6	35.1	98.4	28	80.1	3.5	1	12.4	6.04	49.3	198	86.2	304	316	51
McGregor, TX	600	08BA_60	6	31.3	93.4	30	80.0	2.3	1	11.8	5.34	48.6	220	109.4	208	263	57
McGregor, TX	601	09MN_30	6	28.9	77.5	20	79.2	3.8	1	10.6	5.14	51.0	160	122.5	65	284	51
McGregor, TX	602	09UT_13	6	35.2	96.4	12	79.1	3.5	1	11.7	5.01	45.5	141	70.5	410	248	59
McGregor, TX	603	CDC_Copeland_1	2	39.6	96.5	25	81.1	3.7	1	11.8	5.54	47.4	119	84.2	257	275	52
McGregor, TX	604	06N6_66	6	32.9	98.5	16	79.5	n.d.	3	11.9	5.93	53.3	123	88.7	111	339	56
McGregor, TX	605	07UT_96	6	34.1	91.2	13	79.2	2.8	2	11.9	5.30	45.1	141	69.4	348	247	62

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
McGregor, TX	606	09MN_50	6	34.5	97.4	30	79.9	n.d.	3	12.8	6.32	51.1	189	77.5	320	333	49
McGregor, TX	607	08BA_54	6	34.3	96.5	32	80.7	2.4	1	11.0	4.89	45.0	202	67.4	198	254	54
McGregor, TX	608	07N6_51	6	34.2	98.7	27	78.8	n.d.	3	12.2	6.13	52.8	134	84.7	178	324	43
McGregor, TX	609	06AB_62	6	36.0	98.6	26	79.5	3.2	1	13.3	6.02	48.3	195	81.6	221	317	51
McGregor, TX	610	08N6_52	6	35.9	98.4	34	79.7	3.3	1	11.3	5.53	53.3	112	83.8	44	313	53
McGregor, TX	611	07MN_42	6	34.5	98.2	25	81.1	n.d.	3	12.9	6.10	47.4	189	78.7	326	317	49
McGregor, TX	612	07MN_52	6	32.8	96.7	26	80.0	n.d.	3	13.0	5.94	48.8	197	83.4	283	308	52
McGregor, TX	613	06N6_88	6	36.2	97.6	16	78.8	n.d.	3	11.4	5.30	49.4	129	74.4	247	278	45
McGregor, TX	614	08UT_80	6	35.2	89.7	23	78.8	2.9	1	11.4	4.53	41.1	103	47.5	366	215	33
McGregor, TX	615	09BA_37	6	32.1	98.3	23	81.6	3.6	2	10.6	5.07	51.1	124	83.8	98	276	52
McGregor, TX	616	08MN_78	6	33.4	95.3	20	81.8	2.7	1	10.9	5.11	49.0	129	65.0	170	244	49
McGregor, TX	617	Do_1 (STARS 0610B)	6	33.4	98.0	27	80.6	2.7	1	11.9	5.20	46.9	130	71.1	119	262	67
McGregor, TX	618	CDC_Copeland_2	2	33.8	97.3	24	80.1	3.4	2	12.3	5.56	46.9	198	74.9	293	286	54
	619	LACEY MALT CHECK	6	37.2	89.4	43	79.6	2.9	1	13.3	5.71	43.9	150	79.1	33	285	66
McGregor, TX	620	07UT_83	6	32.4	90.8	22	76.8	2.3	1	12.0	3.93	33.7	114	45.4	561	159	26
McGregor, TX	621	08MN_34	6	32.0	91.9	28	80.2	4.5	1	12.5	6.14	52.4	115	87.0	134	332	46
McGregor, TX	622	07MN_94	6	32.6	98.3	18	78.9	6.1	3	13.9	6.44	46.9	165	70.9	215	323	46
McGregor, TX	623	08MN_67	6	35.8	95.6	27	78.8	2.8	2	13.8	5.53	42.5	219	69.8	316	254	54
McGregor, TX	624	06N6_66	6	32.5	98.6	20	80.5	n.d.	3	11.4	5.89	55.9	159	92.8	102	306	54
McGregor, TX	625	08N6_21	6	31.3	96.0	33	80.4	2.5	1	10.4	4.89	48.8	151	81.9	88	238	55
McGregor, TX	626	08AB_80	6	40.1	97.2	26	82.1	3.6	1	11.0	5.63	52.0	129	94.4	133	278	53
McGregor, TX	627	07N6_51	6	36.2	99.0	26	79.2	3.8	2	12.2	6.08	52.3	147	86.4	169	298	53
McGregor, TX	628	09UT_13	6	36.7	99.0	19	78.8	4.0	2	11.8	5.49	49.4	165	75.0	258	278	54
McGregor, TX	629	06MN_62	6	37.8	97.8	27	81.0	4.6	1	12.1	6.26	51.8	150	90.2	132	323	54
McGregor, TX	630	06MN_51	6	33.2	96.5	27	77.7	3.6	1	14.3	6.05	45.1	223	68.7	249	296	40
McGregor, TX	631	Do_2 (STARS 0622B)	6	39.3	97.6	27	80.3	3.8	1	12.6	5.95	48.5	123	89.7	294	296	51
McGregor, TX	632	08N6_09	6	33.8	98.0	20	81.9	3.2	2	10.2	4.80	50.5	113	67.1	306	230	38
McGregor, TX	633	08N6_35	6	35.1	98.9	22	79.8	n.d.	3	10.8	5.67	55.5	105	63.1	244	276	44
McGregor, TX	634	AC_Metcalf_1	2	34.9	98.1	17	79.5	3.9	2	11.5	4.95	44.4	147	69.7	387	252	54
McGregor, TX	635	08BA_64	6	35.1	96.6	24	80.9	4.4	1	12.7	6.33	51.1	123	83.8	127	326	51
McGregor, TX	636	06BA_30	6	38.2	98.1	30	82.1	n.d.	3	11.2	5.80	52.3	155	98.3	124	298	50
McGregor, TX	637	08UT_10	6	37.1	98.7	13	78.8	n.d.	3	12.7	5.92	47.8	128	67.5	233	298	46
McGregor, TX	638	07UT_36	6	39.1	98.8	3	76.8	n.d.	3	10.7	4.78	47.7	144	53.9	424	217	34
McGregor, TX	639	Do_4 (STONEHAM)	6	36.7	91.9	15	76.6	2.9	1	14.0	4.34	32.7	120	48.9	459	188	20
McGregor, TX	640	07MN_52	6	35.6	97.1	22	79.4	2.6	1	13.8	7.00	51.4	212	78.0	387	361	46
McGregor, TX	641	08N6_91	6	32.3	98.9	18	81.5	3.2	2	10.9	5.57	53.0	154	91.5	113	331	59
McGregor, TX	642	09MN_70	6	35.6	97.5	23	80.0	4.5	2	11.9	6.66	56.5	150	82.8	62	338	57
McGregor, TX	643	07AB_16	6	31.5	98.1	15	80.1	3.8	2	11.3	5.85	52.6	124	81.4	159	323	47
McGregor, TX	644	06MN_18	6	38.0	97.4	18	79.7	4.4	2	12.3	5.79	47.4	147	66.4	311	304	53
McGregor, TX	645	07UT_93	6	35.3	96.7	14	78.8	1.9	1	13.8	5.23	38.2	130	51.9	538	271	47
McGregor, TX	646	07BA_24	6	34.4	98.3	17	79.9	2.7	1	12.9	5.63	45.5	176	68.2	185	360	63
McGregor, TX	647	Do_1 (STARS 0610B)	6	33.0	95.0	27	80.6	2.2	1	12.7	6.17	52.8	166	70.6	244	339	51
McGregor, TX	648	07UT_83	6	33.7	96.4	10	78.3	2.0	1	11.8	4.50	39.5	155	49.8	459	204	45
Wooster, Ohio	649	WOO-70	6	33.9	84.7	46	75.5	2.5	2	13.6	4.89	36.2	161	38.5	468	165	26
	650	LACEY MALT CHECK	6	32.7	89.0	42	80.2	2.5	1	13.4	6.46	48.9	174	87.3	58	361	58
Wooster, Ohio	651	WOO-71	6	24.0	53.9	63	77.2	1.9	1	11.7	4.80	42.8	140	53.3	242	205	36
Wooster, Ohio	652	WOO-72	6	27.9	71.0	65	76.8	1.7	1	12.2	3.93	34.5	116	51.1	323	167	19
Wooster, Ohio	653	WOO-73	6	26.5	50.8	55	78.6	1.6	1	11.5	4.15	36.7	194	62.9	271	223	33
Wooster, Ohio	654	WOO-74	6	24.5	45.3	48	76.5	2.8	2	11.8	3.99	34.1	179	52.5	150	210	33
Wooster, Ohio	655	WOO-75	6	22.0	30.6	58	76.7	2.1	1	12.6	4.69	37.6	183	85.4	133	256	34
Wooster, Ohio	656	WOO-76	6	22.8	36.7	63	77.5	2.5	2	11.7	4.19	36.7	165	54.1	150	220	33
Wooster, Ohio	657	WOO-77	6	28.3	42.0	49	77.4	2.5	2	11.9	4.52	39.7	97	53.2	569	162	20
Wooster, Ohio	658	WOO-78	6	32.7	87.2	56	78.9	2.0	2	11.3	3.52	33.1	129	43.4	432	137	31
Wooster, Ohio	659	WOO-79	6	31.6	74.8	78	76.1	2.3	2	11.6	4.36	39.5	125	49.0	258	192	29
Wooster, Ohio	660	WOO-80	6	34.1	81.7	54	76.3	2.4	2	13.4	4.83	36.3	122	45.9	613	165	32

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wooster, Ohio	661	WOO-81	2	40.6	95.8	52	80.3	2.0	2	11.9	3.96	34.5	148	36.1	324	126	34
Wooster, Ohio	662	WOO-82	2	36.4	91.9	38	78.9	2.2	2	12.2	4.09	34.8	129	37.6	332	120	30
Wooster, Ohio	663	WOO-83	2	38.1	96.2	54	79.5	n.d.	3	11.2	3.28	29.4	115	33.8	492	122	28
Wooster, Ohio	664	WOO-84	2	39.2	95.3	51	80.3	n.d.	3	10.7	3.70	35.0	111	43.6	253	160	27
Wooster, Ohio	665	WOO-85	2	40.8	97.9	45	80.8	2.0	2	11.3	4.23	38.3	153	49.2	118	136	44
Wooster, Ohio	666	WOO-86	2	37.0	94.8	49	79.9	2.1	2	11.4	3.42	31.1	125	45.1	282	122	34
Wooster, Ohio	667	WOO-87	2	33.3	92.3	46	79.0	1.8	2	12.3	4.15	33.8	108	36.6	423	131	27
Wooster, Ohio	668	WOO-88	2	38.7	95.2	46	79.1	1.4	1	13.4	3.73	28.4	161	43.4	412	128	29
Wooster, Ohio	669	WOO-89	2	40.3	97.0	52	76.7	2.0	2	14.2	3.95	28.9	156	52.1	516	140	24
Wooster, Ohio	670	WOO-90	2	33.9	91.0	41	81.6	2.2	1	12.8	5.29	43.7	128	85.7	74	248	65
Wooster, Ohio	671	WOO-91	2	39.1	95.4	64	82.1	2.3	1	12.2	5.33	44.7	118	74.8	168	273	57
Wooster, Ohio	672	WOO-92	2	31.6	80.9	46	80.1	2.5	1	13.6	4.87	36.7	153	103.1	325	303	35
Wooster, Ohio	673	WOO-93	2	36.8	90.3	47	79.2	1.6	1	13.2	4.08	32.3	142	58.3	546	175	33
Wooster, Ohio	674	WOO-94	2	42.5	89.0	58	75.7	n.d.	3	14.8	4.04	27.4	163	51.7	595	161	25
Wooster, Ohio	675	WOO-95	2	45.7	98.6	46	76.5	2.3	2	14.3	3.89	27.5	136	47.2	461	167	22
Wooster, Ohio	676	WOO-96	2	41.3	97.8	35	75.6	n.d.	3	14.9	4.04	28.1	182	61.9	657	183	29
Wooster, Ohio	677	WOO-97	2	43.2	91.5	32	79.1	n.d.	3	13.4	4.35	33.4	145	66.2	378	220	41
Wooster, Ohio	678	WOO-98	2	38.8	92.9	47	79.4	n.d.	3	12.4	3.88	32.0	136	58.6	299	173	38
Wooster, Ohio	679	WOO-99	2	35.2	88.8	46	78.2	n.d.	3	13.4	3.88	30.1	121	41.1	551	154	23
Wooster, Ohio	680	WOO-100	2	40.6	94.7	55	77.4	n.d.	3	15.0	4.42	30.7	146	59.7	505	198	35
	681	CONRAD MALT CHECK	2	40.0	97.4	53	82.2	2.2	1	12.3	4.57	40.2	139	90.4	278	266	60
Wooster, Ohio	682	WOO-101	2	41.3	90.5	52	73.8	n.d.	3	16.7	4.20	25.3	161	52.8	645	180	26
Wooster, Ohio	683	WOO-102	2	38.8	83.1	48	74.7	n.d.	3	15.3	4.04	27.3	172	45.5	672	167	16
Wooster, Ohio	684	WOO-103	2	36.6	82.7	43	77.3	n.d.	3	13.9	3.84	28.1	184	49.7	529	168	11
Wooster, Ohio	685	WOO-104	2	44.1	94.9	44	75.1	n.d.	3	16.1	4.51	28.6	222	57.5	319	205	36
Wooster, Ohio	686	WOO-105	2	41.5	93.7	55	73.4	n.d.	3	16.7	4.21	26.2	188	46.4	623	166	23
Wooster, Ohio	687	WOO-106	2	40.3	94.5	46	74.9	2.8	2	15.6	3.99	26.6	220	42.9	661	162	21
Wooster, Ohio	688	WOO-107	2	34.2	87.3	42	76.0	n.d.	3	14.0	3.43	24.6	139	39.4	724	136	10
Wooster, Ohio	689	WOO-108	2	39.9	94.1	62	79.2	n.d.	3	12.3	3.83	32.6	98	55.0	486	173	28
Wooster, Ohio	690	WOO-109	2	36.3	86.8	61	78.5	3.4	2	12.3	3.69	31.3	93	48.0	510	165	22
Wooster, Ohio	691	WOO-110	2	37.0	86.3	59	78.4	n.d.	3	11.9	3.91	33.9	102	44.2	582	172	25
Wooster, Ohio	692	WOO-111	2	37.6	90.2	43	78.1	n.d.	3	13.9	3.95	30.6	132	63.3	587	182	26
Wooster, Ohio	693	WOO-112	2	36.7	88.6	31	78.7	n.d.	3	12.1	7.51	63.7	109	47.9	646	151	25
Wooster, Ohio	694	WOO-113	2	40.5	92.7	50	79.1	n.d.	3	12.5	3.83	32.1	100	48.1	605	150	31
Wooster, Ohio	695	WOO-114	2	27.6	68.4	54	78.3	n.d.	3	12.1	3.58	32.1	120	47.9	451	147	25
Wooster, Ohio	696	WOO-115	2	23.9	31.7	40	77.9	2.1	1	12.5	3.78	32.8	186	55.7	430	187	29
Wooster, Ohio	697	WOO-116	2	41.9	93.4	54	74.4	2.4	2	15.6	3.96	25.8	149	52.0	624	177	24
Wooster, Ohio	698	WOO-117	2	38.7	93.2	57	73.4	2.8	2	17.0	4.09	25.1	196	48.3	618	176	22
Wildarado, TX	699	101	6	32.4	74.1	58	78.7	2.7	1	15.9	4.82	30.6	267	85.9	282	281	39
Wildarado, TX	700	102	6	24.6	48.1	64	76.3	3.1	1	15.1	4.95	34.2	255	81.7	121	329	27
Wildarado, TX	701	103	2	32.8	82.8	51	79.8	2.5	1	15.2	4.63	32.3	209	115.7	202	342	35
Wildarado, TX	702	104	2	30.6	67.3	58	78.3	2.6	1	15.9	4.75	30.1	214	111.7	171	319	32
Wildarado, TX	703	105	2	29.4	72.7	51	78.0	2.8	1	16.2	4.84	30.1	249	113.1	133	359	31
Wildarado, TX	704	106	2	25.7	45.5	50	73.9	2.5	1	15.7	4.18	27.4	171	40.2	412	227	21
Wildarado, TX	705	107	6	29.0	48.0	48	74.8	2.8	1	14.9	4.50	30.2	117	52.6	365	223	16
Wildarado, TX	706	108	6	25.8	63.2	44	71.3	n.d.	3	16.4	3.88	24.1	225	37.9	465	171	7
Wildarado, TX	707	109	6	32.0	82.3	36	73.9	n.d.	3	14.5	3.71	25.5	88	38.0	556	147	9
Wildarado, TX	708	110	6	27.1	70.2	60	74.5	3.3	1	15.0	4.14	28.4	247	52.2	347	165	16
Wildarado, TX	709	111	6	29.1	68.1	47	73.3	3.9	1	17.9	4.79	28.0	172	55.1	488	186	18
Wildarado, TX	710	112	2	33.7	87.0	38	77.0	2.7	1	16.9	5.82	35.2	233	113.6	276	278	27
Wildarado, TX	711	201	2	31.1	76.9	52	78.4	2.9	1	16.1	6.22	39.3	229	111.4	271	276	25
	712	LACEY MALT CHECK	6	32.9	89.3	42	79.5	3.1	1	13.2	6.00	47.3	175	92.9	48	293	58
Wildarado, TX	713	202	2	25.2	49.3	53	73.6	3.3	1	14.2	4.45	32.1	159	40.3	418	197	25
Wildarado, TX	714	203	6	31.6	69.3	68	75.3	2.6	1	16.8	5.55	33.9	295	79.2	179	237	32
Wildarado, TX	715	204	6	23.1	40.1	58	74.5	4.2	1	15.7	5.31	34.7	294	75.4	102	260	35

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wildarado, TX	716	205	6	25.7	68.6	39	72.0	n.d.	3	15.5	3.96	25.9	215	38.2	516	161	7
Wildarado, TX	717	206	2	28.9	70.1	51	76.7	3.1	1	16.3	6.24	39.3	231	113.3	167	311	21
Wildarado, TX	718	207	6	31.1	79.4	41	72.5	n.d.	3	13.6	3.75	27.6	77	36.4	563	136	12
Wildarado, TX	719	208	2	31.7	83.1	40	77.0	3.2	1	16.9	6.14	36.5	233	109.8	310	314	21
Wildarado, TX	720	209	2	29.5	68.3	39	76.3	3.4	1	17.6	6.55	37.6	260	124.0	177	341	21
Wildarado, TX	721	210	6	27.3	55.9	51	72.1	3.7	1	18.8	5.05	26.6	189	56.1	398	204	24
Wildarado, TX	722	211	6	28.2	39.5	41	74.0	3.8	2	15.5	4.64	30.7	117	50.1	374	194	13
Wildarado, TX	723	212	6	26.1	58.3	57	74.6	2.9	1	15.0	4.00	27.2	229	51.2	353	160	16
Wildarado, TX	724	301	6	25.4	48.4	62	74.3	3.3	1	17.2	5.18	30.5	282	71.7	202	261	24
Wildarado, TX	725	302	6	31.2	75.9	41	72.5	n.d.	3	14.8	3.94	27.0	92	38.3	524	144	7
Wildarado, TX	726	303	2	31.0	72.9	51	75.8	3.2	1	17.5	6.22	35.7	237	114.1	207	287	21
Wildarado, TX	727	304	6	27.5	71.0	55	74.2	3.4	2	14.8	3.95	27.2	219	50.3	372	150	15
Wildarado, TX	728	305	6	28.2	59.5	50	72.2	3.2	1	18.3	5.32	29.6	174	54.3	483	199	28
Wildarado, TX	729	306	2	32.9	84.5	41	76.0	3.0	1	17.7	6.12	35.3	212	107.6	314	311	21
Wildarado, TX	730	307	2	32.9	76.9	47	78.0	3.1	1	16.7	6.58	39.6	210	116.4	273	314	25
Wildarado, TX	731	308	6	28.6	44.9	37	73.4	4.0	2	15.4	4.45	29.5	109	54.7	400	188	10
Wildarado, TX	732	309	2	30.1	66.7	49	75.2	2.8	1	17.8	6.35	36.9	257	117.7	125	298	24
Wildarado, TX	733	310	6	25.5	60.7	40	70.4	n.d.	3	16.2	4.05	25.0	242	42.9	492	152	11
Wildarado, TX	734	311	6	29.2	62.2	57	74.4	2.3	1	17.9	5.27	30.4	306	81.7	242	232	30
Wildarado, TX	735	312	2	24.0	40.8	53	73.2	2.8	1	15.9	4.35	28.5	185	44.2	454	200	21
Wildarado, TX	736	102	6	26.1	69.9	42	75.4	4.4	1	16.5	5.44	33.1	262	74.9	122	234	31
Wildarado, TX	737	103	2	32.3	87.9	27	78.9	3.0	1	16.4	6.46	40.2	212	127.2	261	325	33
Wildarado, TX	738	104	2	30.3	85.5	37	76.3	2.9	1	16.7	5.95	35.8	214	113.0	166	294	27
Wildarado, TX	739	105	2	31.0	89.1	27	78.4	3.4	1	16.0	6.27	39.2	216	114.6	212	299	28
Wildarado, TX	740	106	2	26.2	75.0	38	74.7	2.7	1	15.0	4.71	32.2	160	50.8	405	210	28
Wildarado, TX	741	107	6	27.3	60.1	20	73.7	3.3	2	15.6	4.66	30.6	112	56.0	354	207	13
Wildarado, TX	742	108	6	25.9	76.0	25	71.7	n.d.	3	16.1	4.34	27.4	205	47.2	478	162	14
	743	CONRAD MALT CHECK	2	39.4	97.6	53	81.3	2.8	1	12.2	5.17	44.3	135	93.7	184	260	60
Wildarado, TX	744	109	6	31.9	81.3	15	71.9	n.d.	3	15.7	3.56	23.8	93	51.7	415	151	16
Wildarado, TX	745	110	6	30.1	86.0	40	74.5	2.5	1	15.8	3.46	22.0	257	59.6	309	178	25
Wildarado, TX	746	201	2	29.8	81.6	38	77.3	2.8	1	17.6	7.07	40.8	258	118.5	192	323	26
Wildarado, TX	747	202	2	26.1	68.0	39	73.0	3.7	1	17.3	5.28	30.6	196	46.5	373	201	25
Wildarado, TX	748	204	6	23.8	51.3	47	73.7	2.5	1	17.8	6.24	35.7	324	87.6	96	299	28
Wildarado, TX	749	205	6	24.9	67.8	30	71.3	n.d.	3	16.2	4.58	28.4	229	49.9	346	184	11
Wildarado, TX	750	206	2	30.1	81.3	37	79.0	3.9	1	15.2	5.52	37.8	198	109.6	148	262	35
Wildarado, TX	751	207	6	28.5	70.2	20	70.4	3.6	2	16.5	5.14	31.3	114	49.4	345	159	10
Wildarado, TX	752	208	2	31.8	84.4	27	77.8	3.1	1	16.9	6.30	37.3	217	114.2	257	300	21
Wildarado, TX	753	209	2	34.8	87.2	33	79.6	2.8	1	16.2	7.32	46.0	197	119.9	287	327	36
Wildarado, TX	754	210	6	28.3	67.6	38	73.3	2.5	1	17.8	4.10	23.1	189	54.4	490	176	18
Wildarado, TX	755	211	6	28.3	53.9	28	73.9	3.0	1	15.7	4.56	30.3	114	52.5	394	192	14
Wildarado, TX	756	212	6	28.7	80.4	40	76.4	1.8	1	15.3	4.05	27.9	238	57.7	397	177	23
Wildarado, TX	757	301	6	21.9	32.1	60	74.1	2.9	1	16.6	5.92	37.0	337	91.5	105	355	31
Wildarado, TX	758	302	6	28.4	61.1	55	70.5	n.d.	3	17.4	4.05	24.6	116	46.7	382	176	6
Wildarado, TX	759	303	2	28.7	75.5	38	76.3	2.5	1	18.4	8.04	44.5	287	118.0	196	340	26
Wildarado, TX	760	304	6	26.2	68.1	44	74.0	1.7	1	16.9	4.17	25.0	291	58.9	341	195	19
Wildarado, TX	761	305	6	26.6	60.4	49	74.4	2.0	1	17.7	4.79	28.1	185	55.2	453	244	21
Wildarado, TX	762	306	2	32.6	84.9	40	78.7	2.3	1	16.3	7.26	45.0	229	115.6	336	323	30
Wildarado, TX	763	307	2	33.7	89.8	33	80.6	2.4	1	15.6	7.03	44.2	208	121.7	273	360	36
Wildarado, TX	764	308	6	28.6	69.3	24	76.0	2.5	1	15.6	5.90	39.3	109	54.5	355	221	19
Wildarado, TX	765	309	2	28.5	87.3	46	79.1	2.3	1	15.6	5.66	36.3	195	108.3	285	298	31
Wildarado, TX	766	310	6	33.4	76.5	30	72.7	n.d.	3	15.0	4.23	28.7	205	44.4	497	171	19
Wildarado, TX	767	101	6	26.6	39.2	76	73.5	1.7	1	18.2	5.50	30.7	315	75.4	212	234	28
Wildarado, TX	768	107	6	26.5	11.4	63	71.5	1.6	1	19.5	4.76	25.1	189	61.4	515	230	21
	769	CONRAD MALT CHECK	2	39.8	97.6	53	82.0	1.7	1	12.0	5.30	44.3	148	94.7	246	307	60
	770	CONRAD MALT CHECK	2	40.1	97.4	53	82.2	2.1	1	12.1	5.53	47.1	142	97.4	251	305	57

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wildarado, TX	771	113	2	25.9	9.3	63	70.6	1.6	1	19.4	4.99	26.5	181	61.6	519	231	28
Wildarado, TX	772	202	2	26.7	34.1	74	72.8	1.9	1	19.7	7.59	38.7	250	96.9	248	330	21
Wildarado, TX	773	203	6	26.4	35.9	67	74.1	1.6	1	17.9	7.11	39.7	332	77.2	206	270	21
Wildarado, TX	775	205	2	26.5	13.2	59	71.2	2.1	1	18.2	4.85	27.0	153	54.8	501	208	28
Wildarado, TX	776	211	6	26.1	14.3	58	70.9	1.9	1	19.3	5.25	28.1	163	56.1	503	208	28
	777	CONRAD MALT CHECK	2	40.1	97.7	55	82.0	2.1	1	12.3	5.96	50.1	134	90.3	237	286	53
Wildarado, TX	778	301	2	25.4	9.0	60	69.1	2.2	1	18.9	5.36	28.0	162	58.3	564	200	28
Wildarado, TX	779	306	2	26.8	35.1	73	73.2	2.2	1	20.0	6.96	36.5	268	110.7	296	328	21
Wildarado, TX	780	308	6	25.5	9.6	64	70.2	1.8	1	19.1	5.06	27.7	186	63.6	494	214	24
Wildarado, TX	781	310	6	25.4	25.3	78	71.0	1.8	1	18.6	4.81	24.7	283	55.3	270	189	19
Wildarado, TX	782	311	6	25.0	24.8	74	73.2	2.0	1	19.4	6.51	33.9	359	83.2	203	276	21
Custar, OH	783	VC-118	6	28.9	74.6	46	75.5	2.0	1	12.7	3.93	32.9	131	45.7	560	150	25
Custar, OH	784	VC-119	6	25.5	66.0	58	77.2	2.0	1	12.8	4.17	33.3	125	55.7	384	197	26
Custar, OH	785	VC-120	6	27.2	71.4	61	76.5	1.9	1	12.4	3.91	33.2	96	53.6	380	154	19
Custar, OH	786	VC-121	6	26.3	41.8	53	77.7	2.0	1	12.1	4.35	37.9	167	71.2	275	216	35
Custar, OH	787	VC-122	6	24.3	42.9	42	75.9	2.8	2	12.8	4.44	36.6	171	63.8	194	201	30
Custar, OH	788	VC-123	6	22.6	29.2	46	76.6	2.7	1	13.4	5.41	43.4	176	86.1	208	272	43
Custar, OH	789	VC-124	6	22.7	39.4	60	77.3	2.7	1	12.2	3.72	32.0	148	65.0	186	244	31
Custar, OH	790	VC-125	6	27.3	43.9	39	76.8	n.d.	3	13.0	4.10	33.4	87	59.8	535	173	17
Custar, OH	791	VC-126	6	30.0	84.0	43	77.8	2.1	2	11.7	3.66	31.8	121	48.7	441	145	32
Custar, OH	792	VC-127	6	31.2	77.5	88	75.9	2.4	2	12.4	4.11	35.8	128	56.7	393	184	29
Custar, OH	793	VC-128	6	27.6	66.6	52	73.8	n.d.	3	14.4	4.43	32.7	105	44.2	642	175	4
Custar, OH	794	VC-129	2	39.6	96.7	45	78.8	2.0	2	13.2	3.96	32.2	174	41.0	271	153	28
Custar, OH	795	VC-130	2	40.4	97.4	32	80.0	n.d.	3	12.0	3.82	32.9	130	44.2	291	151	37
Custar, OH	796	VC-131	2	36.1	94.8	44	78.6	n.d.	3	12.6	3.58	30.7	134	36.7	546	119	26
Custar, OH	797	VC-132	2	37.0	93.6	50	79.8	2.1	2	12.1	4.06	34.5	137	52.6	255	165	40
Custar, OH	798	VC-133	2	41.3	98.2	30	80.9	n.d.	3	11.9	4.06	35.4	167	58.2	151	169	43
Custar, OH	799	VC-134	2	37.0	94.5	42	80.1	2.0	1	12.4	4.03	33.6	132	62.1	210	171	41
Custar, OH	800	VC-135	2	36.2	96.6	43	78.2	1.7	1	13.2	4.16	32.6	127	43.9	433	162	30
Custar, OH	801	VC-136	2	37.4	95.9	37	79.2	1.9	1	13.0	4.53	35.0	173	54.7	245	180	40
Custar, OH	802	VC-137	2	38.6	97.4	37	81.0	n.d.	3	14.3	5.82	41.7	154	69.8	74	258	48
Custar, OH	803	VC-138	2	19.4	94.0	57	79.9	n.d.	3	13.5	4.95	37.1	136	59.2	427	211	38
Custar, OH	804	VC-139	2	40.0	97.1	49	76.1	n.d.	3	14.7	4.53	30.9	170	57.8	520	171	30
	805	CONRAD MALT CHECK	2	40.2	97.7	54	82.3	2.5	1	12.2	5.67	50.0	164	100.5	225	264	53
Custar, OH	806	VC-140	2	36.2	95.9	33	79.3	2.7	1	13.6	5.51	41.1	153	81.1	115	252	45
Custar, OH	807	VC-141	2	44.7	98.2	43	74.8	n.d.	3	16.2	4.85	30.6	153	46.3	602	182	31
Custar, OH	808	VC-142	2	35.3	95.8	36	76.2	2.7	2	16.2	5.33	34.2	175	58.1	489	223	32
Custar, OH	809	VC-143	2	45.9	98.7	40	75.8	n.d.	3	15.1	4.59	31.9	156	54.8	509	191	36
Custar, OH	810	VC-144	2	41.3	98.0	30	75.6	n.d.	3	16.7	5.58	35.5	196	80.5	535	221	35
Custar, OH	811	VC-145	2	43.4	97.7	42	76.8	n.d.	3	15.2	4.57	30.5	125	46.1	608	175	28
Custar, OH	812	VC-146	2	42.2	96.0	34	79.7	n.d.	3	13.3	5.10	38.5	152	60.8	210	197	48
Custar, OH	813	VC-147	2	38.8	96.2	43	78.8	n.d.	3	13.1	4.38	34.7	132	47.3	447	160	30
Custar, OH	814	VC-148	2	44.4	97.5	55	74.8	2.3	1	15.6	5.76	37.5	171	56.4	186	214	34
Custar, OH	815	VC-149	2	39.6	96.9	39	78.4	n.d.	3	14.6	4.52	33.1	125	46.0	553	179	29
Custar, OH	816	VC-150	2	39.5	89.8	36	75.0	n.d.	3	15.8	4.70	30.3	184	47.3	629	177	23
Custar, OH	817	VC-151	2	35.6	81.7	29	76.2	n.d.	3	16.2	4.87	30.6	171	59.5	410	192	26
Custar, OH	818	VC-152	2	43.4	95.4	45	76.2	n.d.	3	16.2	5.71	35.9	201	55.5	141	229	35
Custar, OH	819	VC-153	2	40.1	97.8	48	74.5	n.d.	3	16.1	5.42	33.6	144	48.1	392	213	32
Custar, OH	820	VC-154	2	38.4	96.3	55	76.6	n.d.	3	15.6	4.36	29.9	138	47.7	626	194	26
Custar, OH	821	VC-155	2	37.1	94.8	30	75.9	n.d.	3	15.6	3.96	26.1	157	48.2	661	162	16
Custar, OH	822	VC-156	2	35.0	85.4	36	76.3	n.d.	3	14.3	3.87	28.6	110	42.7	683	145	11
Custar, OH	823	VC-157	2	40.1	98.5	43	76.5	n.d.	3	15.2	4.28	29.0	157	39.3	503	165	19
Custar, OH	824	VC-158	2	41.4	88.5	50	78.0	n.d.	3	13.9	4.26	31.5	118	54.4	522	180	21
Custar, OH	825	VC-159	2	33.9	93.2	36	76.9	1.9	1	14.6	4.41	31.6	125	46.0	441	170	25
Custar, OH	826	VC-160	2	40.3	96.5	36	79.1	3.6	3	13.2	4.14	33.4	120	48.4	567	156	29

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Custar, OH	827	VC-161	2	37.4	96.0	40	78.2	n.d.	3	13.5	4.36	33.3	100	51.3	626	153	28
Custar, OH	828	VC-162	2	29.3	68.6	48	76.2	n.d.	3	13.5	3.86	29.8	146	56.3	459	152	19
Custar, OH	829	VC-163	2	26.4	37.2	35	76.6	2.0	1	13.9	3.92	30.4	166	54.2	491	153	16
Custar, OH	830	VC-164	2	43.5	97.7	45	73.6	2.8	3	15.0	4.16	28.2	156	52.5	578	173	27
Custar, OH	831	VC-165	2	37.9	90.4	48	72.1	2.2	2	17.6	5.14	29.3	201	55.2	404	201	32
McGregor, TX	832	07AB_53	2	36.4	99.0	27	80.6	2.6	1	11.6	5.42	48.1	230	104.4	109	265	53
McGregor, TX	833	07N2_73	2	40.5	98.5	29	81.7	3.1	1	12.4	6.35	53.7	167	115.6	371	272	50
McGregor, TX	834	09AB_15	2	40.0	98.6	22	81.0	3.7	1	11.6	5.05	44.3	108	72.6	279	238	56
McGregor, TX	835	09BA_10	2	45.5	99.4	22	82.2	3.4	2	10.1	4.86	49.9	112	101.8	146	233	52
	836	CONRAD MALT CHECK	2	40.2	97.6	52	81.7	2.7	1	12.7	5.36	45.7	150	102.8	204	257	62
McGregor, TX	837	08WA_40	2	37.7	97.6	21	81.3	2.9	1	9.4	4.08	44.5	111	59.9	245	171	41
McGregor, TX	838	09WA_64	2	34.9	97.6	21	81.8	2.5	1	9.1	3.87	47.5	118	64.2	97	154	40
McGregor, TX	839	07WA_13	2	40.4	98.2	25	80.9	3.8	1	10.5	5.39	52.4	113	112.7	126	285	49
McGregor, TX	840	06N2_39	2	43.3	99.6	17	82.0	2.7	1	11.2	5.01	47.6	170	79.1	295	213	58
McGregor, TX	841	08N2-80	2	41.6	99.5	25	82.1	3.8	2	11.5	5.59	51.3	143	90.5	263	268	56
McGregor, TX	842	06MT_26	2	40.1	98.4	22	82.6	3.3	2	9.8	4.78	49.0	112	59.8	196	206	48
McGregor, TX	843	07WA_03	2	40.7	99.2	12	81.3	3.5	2	9.9	4.59	47.5	116	57.7	146	182	49
McGregor, TX	844	08BA_02	2	34.0	96.4	30	81.1	2.3	1	9.7	4.58	51.5	121	71.4	282	190	48
McGregor, TX	845	09N2-39	2	44.8	99.2	26	80.5	3.1	2	10.8	5.21	49.2	146	71.6	398	196	49
McGregor, TX	846	06BA_63	2	37.1	92.3	20	80.9	3.8	1	10.4	5.18	50.1	99	80.0	234	235	38
McGregor, TX	847	07N2_61	2	42.8	99.0	21	82.1	3.8	1	10.7	5.36	50.8	104	101.2	310	281	50
McGregor, TX	848	08AB-24	2	40.3	97.5	20	81.1	3.0	1	10.8	5.11	51.3	131	88.7	315	236	52
McGregor, TX	849	06N2_06	2	37.8	98.9	21	81.5	3.5	1	10.2	5.06	51.7	88	82.6	193	232	41
McGregor, TX	850	06BA_81	2	33.0	99.0	24	83.5	2.4	1	9.2	4.94	54.3	115	80.8	49	199	52
McGregor, TX	851	08WA_27	2	38.9	96.7	27	81.4	2.5	1	10.2	4.80	47.5	114	68.3	328	185	45
McGregor, TX	852	09WA_15	2	45.9	99.5	18	81.4	2.8	1	10.1	4.91	49.8	102	73.9	266	231	50
McGregor, TX	853	09AB-10	2	37.0	96.1	24	82.9	2.7	1	10.5	4.42	44.0	93	54.8	685	166	41
McGregor, TX	854	08MT_41	2	37.3	97.5	23	81.3	3.7	1	10.2	5.25	54.0	101	83.9	212	240	45
McGregor, TX	855	08MT_04	2	39.2	97.9	17	80.1	2.8	1	12.1	5.15	45.9	164	72.5	364	220	57
McGregor, TX	856	09N2_55	2	38.8	93.2	14	79.3	3.6	1	11.9	5.45	47.7	171	94.3	270	235	49
McGregor, TX	857	09N2_21	2	41.5	99.0	27	82.7	3.0	2	9.8	5.04	53.8	120	89.3	207	224	51
McGregor, TX	858	08MT_68	2	36.6	97.6	25	80.5	2.4	1	9.4	4.08	43.5	87	47.5	280	150	31
McGregor, TX	859	09AB-43	2	37.3	90.2	12	82.3	3.7	2	13.2	5.61	44.0	127	93.4	676	239	48
McGregor, TX	860	09BA_89	2	36.5	93.4	26	81.5	4.3	1	10.5	5.26	51.1	140	126.5	223	282	48
McGregor, TX	861	08MT_68	2	37.7	97.2	16	81.5	2.8	1	10.5	4.75	46.7	132	74.4	337	194	53
McGregor, TX	862	08N2-62	2	47.5	99.5	25	82.7	2.6	1	11.0	4.83	45.5	108	66.9	338	237	60
McGregor, TX	863	09WA_15	2	33.2	97.5	22	82.7	2.5	1	9.9	4.71	49.4	118	69.9	65	208	52
McGregor, TX	864	08WA_40	2	35.5	96.7	21	81.3	2.6	1	9.1	5.35	62.9	122	59.4	141	169	46
McGregor, TX	865	06N2_39	2	41.3	99.5	18	81.8	2.6	1	10.7	5.30	49.9	158	74.4	221	200	52
McGregor, TX	866	08WA_64	2	42.8	99.3	14	81.3	3.4	1	10.6	4.56	45.9	131	55.3	111	187	59
	867	CONRAD MALT CHECK	2	39.1	97.5	53	81.5	2.5	1	12.3	5.47	47.6	133	92.2	133	263	58
McGregor, TX	868	07N2-08	2	35.6	97.5	22	81.5	4.2	1	10.1	5.48	55.6	90	81.9	86	269	48
McGregor, TX	869	09WA_64	2	33.7	95.5	17	82.0	2.3	1	9.1	4.20	48.4	122	71.0	87	181	49
McGregor, TX	870	09N2_16	2	42.0	98.0	25	82.0	4.1	2	11.3	5.27	48.9	106	74.3	175	263	54
McGregor, TX	871	07AB-53	2	34.6	98.9	27	81.3	2.6	1	11.8	5.26	46.0	198	95.6	120	274	61
McGregor, TX	872	09AB_82	2	42.9	99.4	26	81.7	2.8	1	10.2	4.60	46.3	120	70.1	381	200	55
McGregor, TX	873	09N2_55	2	41.9	99.1	27	82.4	2.8	1	9.9	5.05	51.8	143	106.9	80	247	59
McGregor, TX	874	09BA_10	2	43.2	98.5	21	81.9	2.4	1	10.8	4.66	46.7	127	88.2	331	222	58
McGregor, TX	875	09MT_16	2	37.6	98.1	21	81.7	2.7	1	9.6	4.49	49.4	118	91.3	202	224	45
McGregor, TX	876	07MT_94	2	38.7	95.2	28	82.2	2.2	1	10.1	4.61	47.0	144	80.4	207	218	50
McGregor, TX	877	08N2_37	2	44.1	98.8	20	80.9	3.3	1	12.4	5.71	48.0	121	95.3	328	299	51
McGregor, TX	878	06MT_26	2	38.5	97.2	28	82.0	2.4	1	9.4	4.14	44.5	122	61.4	311	184	49
McGregor, TX	879	AC_Metcalf	2	37.8	96.2	27	81.5	4.4	1	11.4	5.86	52.9	130	100.7	122	301	52
McGregor, TX	880	09N2-72	2	47.6	99.5	23	81.3	2.8	1	11.7	5.34	45.8	150	98.2	70	259	70
McGregor, TX	881	08BA_11	2	38.8	90.5	19	82.8	5.1	1	12.6	6.77	54.3	133	107.5	228	357	48

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
McGregor, TX	882	07N2_02	2	41.7	97.9	22	80.5	3.1	1	13.1	5.68	43.6	124	61.8	377	277	50
McGregor, TX	883	09AB_15	2	38.0	97.4	21	81.0	3.5	1	11.2	5.08	48.6	95	75.5	221	249	46
McGregor, TX	884	06N2_70	2	40.7	99.3	34	83.8	3.0	1	10.9	5.67	55.6	95	91.8	84	309	48
McGregor, TX	885	08AB_45	2	35.6	85.5	18	78.4	4.5	1	13.6	6.44	50.7	140	93.5	249	334	28
McGregor, TX	886	07WA_13	2	37.8	92.7	20	80.0	4.0	1	11.2	5.73	54.6	105	104.4	119	292	46
McGregor, TX	887	09N2_12	2	42.1	96.6	20	79.8	2.3	1	11.9	5.03	45.2	166	76.0	324	241	60
McGregor, TX	888	06AB-24	2	33.1	93.7	26	80.2	2.4	1	10.9	4.59	44.0	124	76.1	266	213	50
McGregor, TX	889	08BA_76	2	36.4	88.4	23	79.8	4.3	1	12.3	6.14	50.3	182	123.8	184	332	41
McGregor, TX	890	08AB_24	2	38.0	93.7	14	80.3	3.9	1	12.1	5.69	49.2	156	120.6	180	294	46
Blacksburg, VA	891	McGregor	6	27.9	52.5	24	74.6	2.3	1	12.4	3.76	30.7	102	51.8	413	153	19
Blacksburg, VA	892	Charles	2	25.0	74.5	11	77.2	3.2	1	14.1	5.82	41.9	202	121.5	166	296	29
Blacksburg, VA	893	DH130718	2	30.7	77.5	5	78.0	4.0	1	14.5	4.66	34.0	189	133.9	57	326	39
Blacksburg, VA	894	10/069/1	6	28.9	73.4	26	75.9	3.2	1	12.6	4.12	34.1	181	59.4	299	198	34
Blacksburg, VA	895	Calypso	2	35.0	84.7	30	78.4	2.5	1	12.0	3.84	32.4	196	47.8	226	174	27
Blacksburg, VA	896	Thoroughbred	6	29.2	80.2	24	77.5	2.3	1	11.3	4.51	40.7	149	48.1	410	158	25
Blacksburg, VA	897	MW11S4024-004	6	22.0	41.0	18	71.9	3.3	1	14.8	5.74	40.0	269	86.0	144	271	27
Blacksburg, VA	898	CONRAD MALT CHECK	2	40.0	97.5	52	81.3	2.6	1	11.9	5.38	45.6	133	87.6	142	261	63
Blacksburg, VA	899	6W13-7145	6	23.9	37.7	27	73.6	3.3	1	12.9	5.31	43.3	238	88.3	181	266	43
Blacksburg, VA	900	Endeavor	2	28.9	64.0	16	79.5	2.8	1	12.0	5.30	45.3	218	117.2	195	277	50
Blacksburg, VA	901	MW12_4007-008	6	37.2	83.4	27	78.1	2.4	1	12.3	4.06	33.2	202	51.2	211	171	40
Blacksburg, VA	902	10.086	2	30.9	85.0	17	81.0	2.5	1	13.4	5.23	39.6	177	94.8	180	264	43
Blacksburg, VA	903	Hirondella (08/258/17)	6	33.3	85.7	28	76.2	2.3	1	12.3	4.14	35.5	179	45.7	447	135	33
Blacksburg, VA	904	Wintmalt	2	34.4	85.0	32	77.7	2.5	1	12.0	4.18	35.7	184	54.8	178	174	32
Blacksburg, VA	905	02Ab669	2	24.3	49.8	22	75.5	3.6	1	13.7	5.99	44.1	218	125.3	83	298	36
Blacksburg, VA	906	Puffin	6	32.3	74.1	25	76.6	2.3	1	13.7	4.66	34.9	166	52.5	311	194	32
Blacksburg, VA	907	10.0777	2	30.6	80.6	15	78.7	3.3	1	13.8	6.15	46.6	232	132.5	79	323	37
Blacksburg, VA	908	DH130004	2	31.3	72.2	8	77.3	3.6	1	16.1	6.78	42.6	264	113.9	142	359	29
Blacksburg, VA	909	05ARS561-208	2	22.1	46.0	30	75.1	3.3	1	13.9	5.64	43.1	200	119.2	196	250	29
Blacksburg, VA	910	SU-Mateo	2	32.0	81.4	26	76.6	n.d.	3	12.5	4.39	36.1	176	47.0	407	153	24
Blacksburg, VA	911	MW11S4029-002	6	23.7	39.4	26	76.9	2.7	1	12.6	5.01	40.8	230	78.1	341	225	34
Blacksburg, VA	912	MW12_4042-002	6	23.3	48.1	20	76.4	3.3	1	13.9	6.57	48.2	253	122.7	139	344	29
Blacksburg, VA	913	06ARS633-10	2	23.0	33.7	24	72.8	3.7	1	14.9	6.43	45.1	219	128.5	212	333	26
Blacksburg, VA	914	6W13-7041	6	24.9	43.6	40	73.8	2.6	1	14.4	4.47	31.0	194	72.5	336	175	16
Blacksburg, VA	915	Vincenta	2	30.3	66.5	22	73.2	2.7	1	15.1	4.53	30.5	188	61.2	229	166	23
Blacksburg, VA	916	6W11-0003	6	22.4	48.6	28	74.3	3.0	1	15.6	6.03	41.1	337	100.4	308	302	21
Blacksburg, VA	917	6W11-0064	6	20.5	28.3	18	69.7	3.3	1	15.3	5.73	39.3	330	94.6	120	266	31
Blacksburg, VA	918	04ARS640-1	2	27.2	73.5	14	78.4	2.5	1	12.8	5.42	44.2	199	106.2	212	261	47
Blacksburg, VA	919	Strider	6	22.1	18.3	36	70.5	3.4	2	14.2	4.36	32.5	110	52.7	387	168	8
Blacksburg, VA	920	VA16B-81 2R	2	38.4	92.7	11	79.5	1.9	1	12.2	4.33	37.5	196	66.2	170	186	46
Blacksburg, VA	921	VA16B-82 2R	2	43.9	95.6	19	79.4	2.1	1	12.8	4.49	35.5	149	55.8	400	192	55
Blacksburg, VA	922	VA16B-83 2R	2	41.7	83.0	20	77.4	2.3	1	13.6	4.29	32.0	158	55.7	484	166	23
Blacksburg, VA	923	VA16B-84 2R	2	40.3	85.6	19	78.0	2.0	1	13.7	4.19	31.4	164	60.5	496	166	26
Blacksburg, VA	924	VA16B-113 2R	2	43.5	90.6	15	77.6	1.9	1	14.3	3.97	28.7	121	57.8	457	221	31
Blacksburg, VA	925	VA16B-114 2R	2	36.1	82.8	10	77.5	2.6	1	14.4	4.14	29.6	219	87.4	256	300	24
Blacksburg, VA	926	VA16B-115 2R	2	36.6	89.2	15	76.9	1.8	1	14.1	3.75	27.4	131	68.4	492	204	24
Blacksburg, VA	927	VA16B-116 2R	2	37.2	86.0	26	75.8	1.7	1	12.8	3.66	29.1	168	68.2	437	213	34
Blacksburg, VA	928	VA16B-117 2R	2	35.6	85.1	17	76.8	1.7	1	14.7	3.86	27.1	144	68.9	486	210	24
Blacksburg, VA	929	CONRAD MALT CHECK	2	39.7	97.8	52	81.5	1.9	1	12.3	4.39	37.4	144	92.9	259	251	51
Blacksburg, VA	930	VA16B-118 2R	2	44.1	92.5	17	78.1	2.0	1	14.3	4.18	29.9	195	75.9	362	249	38
Blacksburg, VA	931	VA16B-119 2R	2	33.9	79.8	7	77.6	2.1	1	13.8	4.03	30.3	113	71.8	403	242	21
Blacksburg, VA	932	VA16B-120 2R	2	32.5	78.3	12	75.3	2.5	1	14.5	4.63	33.0	172	94.2	571	270	28
Blacksburg, VA	933	VA16B-123 2R	2	37.0	88.6	11	79.0	3.1	1	13.7	4.75	34.9	101	77.8	286	306	32
Blacksburg, VA	934	DH14BDH12-67	6	24.2	69.7	9	76.9	2.1	1	13.5	3.55	26.4	120	58.4	410	170	19
Blacksburg, VA	935	DH14BDH12-69	6	26.9	77.8	17	75.4	1.7	1	13.6	3.51	27.5	210	46.5	599	153	21
Blacksburg, VA	936	DH14BDH12-70	6	26.3	63.0	15	78.6	2.5	1	13.2	4.05	32.7	143	108.2	296	248	38

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Blacksburg, VA	937	DH14BDH12-68	6	22.2	50.0	8	75.1	2.8	1	13.6	3.89	29.1	142	88.6	273	209	26
Blacksburg, VA	938	DH14BDH12-71	6	28.0	80.5	12	77.1	2.5	1	13.2	4.22	33.6	149	108.1	408	260	38
Blacksburg, VA	939	DH14BDH12-74	2	37.0	90.3	19	76.1	1.4	1	15.6	3.90	26.2	107	53.0	561	177	18
Blacksburg, VA	940	DH14BDH12-72	2	38.0	87.1	22	77.8	1.6	1	13.4	3.84	30.4	110	62.3	587	150	21
Blacksburg, VA	941	DH14BDH12-75	6	27.8	76.3	8	78.2	2.3	1	14.5	4.25	29.4	158	112.5	294	275	31
Blacksburg, VA	942	DH14BDH12-77	6	26.0	70.1	19	77.0	2.4	1	14.1	4.04	29.3	148	104.8	221	282	21
Blacksburg, VA	943	DH14BDH12-79	6	25.8	74.7	6	77.6	2.3	1	13.3	3.99	31.7	214	116.5	369	248	34
Blacksburg, VA	944	Secretariat	6	30.0	86.8	8	74.9	2.3	1	12.7	3.95	32.4	103	51.6	599	204	31
Blacksburg, VA	945	Violetta	2	34.6	76.8	23	77.7	2.1	1	13.0	3.84	29.8	238	63.6	224	199	31
Blacksburg, VA	946	DH14BDH12-81	2	42.5	97.8	20	79.3	2.3	1	14.6	4.70	34.0	226	106.9	324	321	42
Blacksburg, VA	947	DH14BDH12-82	2	32.7	81.9	25	76.7	2.1	1	14.5	4.00	29.3	213	107.4	237	251	24
Blacksburg, VA	948	DH14BDH12-83	6	25.4	56.3	13	77.3	2.2	1	12.4	4.18	35.3	218	122.7	159	278	34
Blacksburg, VA	949	DH14BDH12-85	6	33.7	83.2	16	78.1	1.9	1	13.2	4.33	34.8	258	125.3	383	286	45
Blacksburg, VA	950	DH14BDH12-86	6	31.4	88.6	20	75.8	1.5	1	13.8	3.95	29.4	196	62.4	499	185	30
Blacksburg, VA	951	DH14BDH12-84	6	26.9	60.2	10	76.1	1.9	1	12.9	4.18	33.3	193	68.3	467	178	26
Blacksburg, VA	952	DH14BDH12-90	2	36.1	91.5	25	75.8	1.8	1	13.2	3.71	28.4	129	67.2	409	194	31
Blacksburg, VA	953	DH14BDH12-94	2	42.3	95.2	27	80.0	2.7	1	12.6	4.24	36.1	223	105.5	286	295	51
Blacksburg, VA	954	DH14BDH12-92	2	38.8	90.0	12	78.6	2.0	1	15.1	4.44	30.0	194	113.9	186	337	39
Blacksburg, VA	955	DH14BDH12-95	2	36.4	82.2	14	77.5	2.9	1	16.0	4.14	27.3	266	128.2	259	322	24
Blacksburg, VA	956	DH14BDH12-99	6	22.3	58.5	10	72.9	1.5	1	15.1	3.49	23.5	138	67.6	381	185	13
Blacksburg, VA	957	VA09B-34	6	32.7	88.9	17	75.3	1.5	1	13.7	3.83	28.1	94	53.3	583	149	24
Blacksburg, VA	958	DH14BDH13-01	6	22.9	64.8	10	76.3	1.8	1	14.0	3.66	26.6	154	77.1	296	189	21
Blacksburg, VA	959	DH14BDH13-02	6	23.5	68.6	11	74.4	1.6	1	14.3	3.43	24.5	128	65.7	424	177	13
	960	LACEY MALT CHECK	6	32.7	89.4	42	79.6	2.4	1	13.3	5.25	40.3	201	99.8	69	281	65
Blacksburg, VA	961	DH14BDH13-00	6	34.3	81.1	16	79.9	3.0	1	13.9	5.44	40.2	110	107.0	312	319	46
Blacksburg, VA	962	DH14BDH13-03	6	24.1	64.4	27	74.9	1.8	1	13.3	3.28	24.8	122	58.9	536	156	23
Blacksburg, VA	963	DH14BDH13-05	6	23.9	61.3	18	77.9	2.8	1	13.3	4.76	38.1	228	121.4	198	280	35
Blacksburg, VA	964	DH14BDH13-06	6	31.7	91.8	20	77.9	2.0	1	13.6	4.38	34.0	159	99.9	342	254	39
Blacksburg, VA	965	DH14BDH13-04	6	28.5	58.8	28	77.0	2.8	1	13.3	4.44	34.5	169	125.1	346	266	33
Blacksburg, VA	966	DH14BDH13-07	6	29.9	74.9	18	76.6	1.6	1	14.6	3.72	26.2	125	67.1	550	178	18
Blacksburg, VA	967	DH14BDH13-10	6	30.6	78.8	34	77.5	1.7	1	12.1	3.23	28.2	208	55.7	447	146	33
Blacksburg, VA	968	DH14BDH13-08	6	29.6	89.6	9	74.9	1.9	1	13.5	3.33	26.6	218	61.6	575	151	33
Blacksburg, VA	969	DH14BDH13-11	2	36.1	87.0	22	79.7	3.0	1	15.0	5.46	37.3	251	124.9	411	309	38
Blacksburg, VA	970	DH14BDH13-13	6	29.1	79.6	22	76.8	2.7	1	15.7	5.09	34.0	270	113.0	401	293	29
Blacksburg, VA	971	DH14BDH13-12	2	40.2	92.5	21	79.6	2.2	1	14.1	4.69	35.4	147	106.6	276	284	44
Blacksburg, VA	972	DH14BDH13-15	6	19.3	36.1	17	75.0	3.2	1	14.6	5.26	37.0	186	144.6	92	329	35
Blacksburg, VA	973	DH14BDH13-17	6	20.2	41.7	14	74.2	2.9	1	13.9	4.61	33.7	196	128.5	97	268	33
Blacksburg, VA	974	DH14BDH13-18	6	28.0	77.1	12	77.9	2.4	1	14.4	4.65	33.8	232	118.7	325	271	30
Blacksburg, VA	975	DH14BDH13-16	6	23.2	60.1	18	76.4	1.6	1	14.4	3.64	25.5	109	62.1	417	171	9
Blacksburg, VA	976	Flavia	2	33.9	84.0	23	78.4	1.8	1	12.3	3.38	29.5	198	55.8	225	149	30
Wooster, Ohio	977	FGRP-166	2	29.6	73.5	45	76.6	1.4	1	14.3	3.27	23.2	159	65.2	599	134	16
Wooster, Ohio	978	FGRP-167	2	32.1	80.5	43	77.1	1.6	1	12.9	3.45	26.9	154	68.1	399	149	26
Wooster, Ohio	979	FGRP-168	2	38.2	87.8	47	70.7	2.0	2	18.9	4.19	22.6	220	58.8	622	171	23
Wooster, Ohio	980	FGRP-169	2	42.3	92.5	46	78.6	1.9	1	14.2	4.53	33.5	121	94.0	678	236	42
Wooster, Ohio	981	FGRP-170	2	40.5	90.7	41	78.9	2.2	1	13.8	4.86	35.8	125	95.7	426	265	41
Wooster, Ohio	982	FGRP-171	2	34.1	77.1	44	79.2	2.5	1	13.3	4.94	37.9	151	96.5	400	266	37
Wooster, Ohio	983	FGRP-172	2	28.1	69.4	50	79.5	1.9	1	12.4	4.38	36.6	154	86.6	406	220	41
Wooster, Ohio	984	FGRP-173	2	36.7	86.5	52	77.9	1.8	1	13.9	4.36	33.5	143	73.9	562	218	27
Wooster, Ohio	985	FGRP-174	2	35.2	84.1	56	77.9	1.6	1	12.8	3.47	27.2	186	65.0	346	150	26
Wooster, Ohio	986	FGRP-175	2	31.4	76.4	51	76.8	2.0	2	12.6	3.31	27.2	140	55.8	604	136	25
Wooster, Ohio	987	FGRP-176	2	33.6	79.6	48	76.8	2.1	1	14.2	4.97	36.3	178	88.6	429	280	28
Wooster, Ohio	988	FGRP-177	2	36.3	82.3	51	78.3	1.6	1	13.0	4.07	31.4	147	69.0	545	203	33
Wooster, Ohio	989	FGRP-178	2	38.9	86.3	50	78.2	1.6	1	14.9	4.57	31.7	146	83.1	394	243	37
Wooster, Ohio	990	FGRP-179	2	36.2	89.8	46	77.2	1.5	1	14.5	3.88	27.6	129	66.1	492	173	19
	991	CONRAD MALT CHECK	2	39.9	97.2	54	81.4	1.7	1	12.3	4.52	37.6	140	93.6	203	249	55

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Wooster, Ohio	992	FGRP-180	2	35.2	86.0	44	79.6	2.0	1	12.9	3.71	29.4	103	54.4	574	174	33
Wooster, Ohio	993	FGRP-181	2	41.4	95.6	54	78.2	n.d.	3	12.6	3.19	25.9	127	40.1	633	136	34
Wooster, Ohio	994	FGRP-182	2	38.8	85.8	59	77.6	2.1	2	12.7	3.44	28.3	124	46.6	477	111	27
Wooster, Ohio	995	FGRP-183	2	43.8	95.0	42	75.1	2.2	2	15.3	4.61	30.6	96	47.5	437	143	22
Wooster, Ohio	996	FGRP-184	2	35.5	86.3	55	77.3	2.7	2	13.3	4.94	37.6	135	64.4	517	190	35
Wooster, Ohio	997	FGRP-185	2	35.5	85.8	58	79.1	1.5	1	11.9	4.16	35.5	109	43.6	336	128	30
Wooster, Ohio	998	FGRP-186	2	36.4	89.3	56	77.5	2.8	2	13.3	4.11	32.6	96	36.1	548	129	12
Wooster, Ohio	999	FGRP-187	2	37.7	89.4	56	78.4	2.5	2	11.6	4.25	38.3	121	44.1	376	139	32
Wooster, Ohio	1000	FGRP-188	2	35.8	92.6	53	78.8	2.2	2	12.3	4.16	35.3	125	46.8	357	131	34
Wooster, Ohio	1001	FGRP-189	2	39.7	94.8	61	78.4	1.8	2	12.0	3.54	31.0	144	43.3	178	132	33
Wooster, Ohio	1002	FGRP-190	6	26.3	42.5	80	75.0	n.d.	3	11.4	4.09	36.5	117	51.1	536	121	12
Wooster, Ohio	1003	FGRP-191	6	29.8	70.8	71	77.2	1.6	1	12.3	3.42	28.2	121	53.4	583	135	25
Wooster, Ohio	1004	FGRP-192	2	41.2	97.7	55	79.2	2.2	2	12.1	3.53	30.8	157	44.9	317	130	35
Wooster, Ohio	1005	FGRP-193	2	32.8	86.9	53	78.6	1.6	1	12.7	4.16	33.8	124	47.8	453	144	33
Wooster, Ohio	1006	FGRP-194	2	30.8	76.2	55	77.6	1.9	1	13.4	4.35	33.6	105	58.1	505	177	21
Wooster, Ohio	1007	FGRP-195	2	31.6	82.0	54	76.1	2.0	1	14.0	4.25	30.8	152	45.7	441	145	16
Wooster, Ohio	1008	FGRP-196	2	38.4	87.8	52	76.7	2.3	2	13.3	4.24	33.8	142	44.4	636	130	25
Wooster, Ohio	1009	FGRP-197	6	32.6	85.1	49	76.9	2.4	2	13.0	4.41	33.9	98	43.9	469	145	25
Wooster, Ohio	1010	FGRP-198	6	28.5	69.3	48	76.1	2.6	2	11.9	4.00	36.5	86	45.2	556	131	17
Wooster, Ohio	1011	FGRP-199	6	27.3	59.0	56	75.5	2.6	2	11.4	3.74	34.9	97	39.1	577	154	6
Wooster, Ohio	1012	FGRP-200	2	31.9	78.8	45	77.9	2.7	2	13.1	4.15	33.5	120	76.9	283	160	23
Wooster, Ohio	1013	FGRP-201	2	34.8	83.0	52	77.7	n.d.	3	12.3	4.48	37.2	132	62.3	325	174	31
Wooster, Ohio	1014	FGRP-202	2	33.9	86.6	36	76.8	1.7	1	14.2	4.25	31.1	123	58.7	342	172	22
Wooster, Ohio	1015	FGRP-203	2	35.2	90.2	57	78.4	n.d.	3	12.3	4.19	36.0	137	61.9	235	158	36
Wooster, Ohio	1016	FGRP-204	2	38.7	86.7	43	76.4	2.3	2	15.1	4.55	30.4	103	48.6	621	189	24
Wooster, Ohio	1017	FGRP-205	2	33.7	82.2	46	77.8	n.d.	3	12.4	3.75	31.5	121	48.6	479	136	21
Wooster, Ohio	1018	FGRP-206	2	34.6	86.4	44	77.6	2.7	2	12.8	3.30	27.4	126	57.3	305	157	28
Wooster, Ohio	1019	FGRP-207	2	36.5	89.8	39	77.7	2.4	2	11.8	3.34	29.2	152	64.6	231	143	28
Wooster, Ohio	1020	FGRP-208	2	35.1	86.5	52	78.3	2.8	2	12.9	4.08	32.0	151	83.8	152	198	40
Wooster, Ohio	1021	FGRP-209	6	33.4	80.0	46	75.9	2.7	2	14.4	4.40	31.9	152	55.2	492	198	28
	1022	CONRAD MALT CHECK	2	39.7	98.1	55	82.0	1.9	1	12.3	4.54	37.9	156	94.2	165	256	55
Wooster, Ohio	1023	FGRP-210	2	41.1	98.2	48	79.2	2.4	2	12.2	3.37	27.9	138	32.9	519	132	31
Wooster, Ohio	1024	FGRP-211	2	29.7	76.7	38	77.3	n.d.	3	11.9	3.15	26.7	99	47.8	474	133	14
Wooster, Ohio	1025	FGRP-212	2	37.1	85.2	52	74.3	n.d.	3	15.5	4.40	29.0	84	42.0	684	138	14
Wooster, Ohio	1026	FGRP-213	2	33.4	81.7	47	77.9	2.3	2	12.7	4.16	33.4	96	51.2	332	154	21
Wooster, Ohio	1027	FGRP-214	2	34.2	88.8	57	78.6	n.d.	3	13.0	4.12	33.5	93	38.3	414	166	15
Wooster, Ohio	1028	FGRP-215	2	37.2	92.9	52	77.9	2.0	2	13.4	4.21	32.3	110	38.6	469	129	18
Wooster, Ohio	1029	FGRP-216	2	37.6	91.2	42	77.6	1.9	1	14.1	4.19	30.3	117	44.4	461	163	18
Wooster, Ohio	1030	FGRP-217	2	35.4	92.0	52	79.6	1.8	1	12.1	4.17	34.5	111	40.0	395	131	31
Wooster, Ohio	1031	FGRP-218	2	39.6	93.6	50	78.8	1.9	1	13.2	4.37	33.6	161	63.2	138	182	41
Wooster, Ohio	1032	FGRP-219	2	33.5	82.2	51	76.0	n.d.	3	14.1	3.73	26.6	115	40.3	549	129	8
Wooster, Ohio	1033	FGRP-220	2	30.2	83.2	45	77.1	1.6	1	14.4	4.05	29.0	133	46.1	395	149	16
Wooster, Ohio	1034	FGRP-221	2	38.9	91.7	44	79.6	n.d.	3	12.4	3.77	31.3	79	34.2	544	138	24
Wooster, Ohio	1035	FGRP-222	2	34.6	89.5	49	78.0	n.d.	3	13.8	3.77	28.8	133	43.8	514	139	14
Wooster, Ohio	1036	FGRP-223	2	37.9	92.4	49	76.0	2.4	2	15.8	4.38	29.5	137	40.1	507	156	20
Wooster, Ohio	1037	FGRP-224	6	30.4	78.7	42	76.1	n.d.	3	10.5	3.08	30.5	43	36.1	699	96	12
Wooster, Ohio	1038	FGRP-225	2	38.6	92.2	54	79.2	n.d.	3	11.9	3.58	30.3	125	46.8	374	129	32
Warsaw, Virginia	1039	10.0777	2	33.0	87.3	19	83.2	n.d.	3	11.3	5.66	52.3	120	97.7	30	299	49
Warsaw, Virginia	1040	Endeavor	2	29.7	79.0	20	83.3	n.d.	3	11.0	5.55	53.7	111	97.9	139	270	46
Warsaw, Virginia	1041	Charles	2	28.4	82.1	25	83.1	n.d.	3	10.4	5.41	52.8	105	102.9	168	260	38
Warsaw, Virginia	1042	Calypso	2	38.9	90.6	11	83.4	2.4	1	9.8	4.34	45.6	151	57.9	209	188	49
Warsaw, Virginia	1043	MW12_4007-008	6	37.6	87.5	12	82.6	2.6	1	11.1	4.61	44.5	162	54.4	174	195	49
Warsaw, Virginia	1044	Vincenta	2	34.3	84.4	10	82.9	2.6	1	10.9	4.69	45.8	150	68.6	122	215	51
Warsaw, Virginia	1045	6W11-0064	6	24.9	61.8	13	77.9	3.6	2	13.3	5.42	42.0	253	89.2	85	271	48
Warsaw, Virginia	1046	Wintmalt	2	32.8	83.4	15	81.4	3.3	2	12.1	4.71	41.5	172	76.1	128	211	55

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Warsaw, Virginia	1047	McGregor	6	29.7	79.4	6	80.4	2.7	1	9.9	3.88	42.8	83	57.5	438	170	34
Warsaw, Virginia	1048	MW11S4029-002	6	25.8	62.0	22	81.3	2.6	1	10.8	4.72	44.2	169	76.8	251	230	41
Warsaw, Virginia	1049	Hirondella (08/258/17)	6	36.7	62.0	17	82.7	2.6	1	10.9	4.30	42.0	150	62.2	328	177	36
Warsaw, Virginia	1050	DH130718	2	28.3	62.5	10	79.3	n.d.	3	13.8	6.77	50.1	105	82.8	23	364	27
Warsaw, Virginia	1051	MW12_4042-002	6	23.2	62.3	22	81.6	2.5	1	13.2	5.93	46.2	144	115.5	216	306	49
Warsaw, Virginia	1052	Puffin	6	31.0	83.2	18	81.9	2.6	1	11.8	4.74	40.9	131	68.4	301	215	47
	1053	LACEY MALT CHECK	6	33.1	89.0	42	80.5	2.9	1	13.7	5.86	45.6	174	88.7	60	292	61
Warsaw, Virginia	1054	6W13-7041	6	29.1	75.2	21	79.4	2.8	1	12.5	4.80	38.8	152	79.1	272	210	46
Warsaw, Virginia	1055	04ARS640-1	2	29.3	84.6	12	83.4	n.d.	3	11.6	5.95	54.4	152	96.9	89	268	49
Warsaw, Virginia	1056	Strider	6	25.7	51.0	21	78.4	n.d.	3	11.5	4.12	37.6	92	65.4	472	172	24
Warsaw, Virginia	1057	6W13-7145	6	26.7	68.5	18	79.4	2.6	1	11.7	5.05	44.5	170	92.3	295	260	49
Warsaw, Virginia	1058	MW11S4024-004	6	24.2	63.6	17	78.2	2.8	1	12.8	5.07	39.8	189	90.8	267	224	41
Warsaw, Virginia	1059	02Ab669	2	25.5	59.1	12	82.3	2.9	1	11.5	5.67	53.7	160	130.6	98	276	51
Warsaw, Virginia	1060	10/069/1	6	33.9	88.1	7	81.0	2.7	2	10.8	4.05	41.1	122	60.8	376	172	37
Warsaw, Virginia	1061	Thoroughbred	6	28.2	83.3	14	78.8	2.1	1	10.3	3.39	33.9	128	59.6	523	161	32
Warsaw, Virginia	1062	DH130004	2	32.5	86.1	13	82.7	n.d.	3	13.4	5.32	41.0	155	85.0	66	315	56
Warsaw, Virginia	1063	06ARS633-10	2	25.8	54.1	16	81.1	3.2	1	11.1	4.60	41.7	155	133.0	160	271	53
Warsaw, Virginia	1064	10.086	2	30.0	85.9	17	83.2	2.9	1	11.9	4.65	42.2	131	97.9	100	235	63
Warsaw, Virginia	1065	SU-Mateo	2	34.1	86.5	13	81.2	2.6	1	10.6	3.70	37.5	144	65.8	218	149	34
Warsaw, Virginia	1066	6W11-0003	6	24.5	63.9	20	79.2	2.7	1	12.8	4.95	40.9	199	90.0	305	277	44
Warsaw, Virginia	1067	05ARS561-208	2	23.7	37.4	16	80.5	3.4	1	11.6	4.77	43.4	170	130.4	154	258	50
Warsaw, Virginia	1068	VA16B-81 2R	2	37.6	97.0	13	83.5	n.d.	3	10.8	3.89	37.0	168	82.8	57	206	46
Warsaw, Virginia	1069	VA16B-82 2R	2	41.1	97.9	12	82.8	n.d.	3	10.8	4.80	49.0	126	66.3	121	213	53
Warsaw, Virginia	1070	VA16B-83 2R	2	43.1	97.5	11	82.1	n.d.	3	11.0	4.34	40.7	111	66.2	131	176	47
Warsaw, Virginia	1071	VA16B-84 2R	2	43.4	96.4	13	81.7	n.d.	3	11.4	4.57	43.6	104	65.7	192	182	56
Warsaw, Virginia	1072	VA16B-113 2R	2	42.3	97.4	15	80.7	2.0	1	12.9	4.77	38.3	129	68.2	414	195	55
	1073	CONRAD MALT CHECK	2	40.1	97.1	54	81.8	2.0	1	12.3	4.93	42.0	156	98.4	150	212	62
Warsaw, Virginia	1074	VA16B-115 2R	2	38.0	96.4	17	79.2	2.2	2	13.4	5.29	42.0	120	80.5	485	201	48
Warsaw, Virginia	1075	VA16B-116 2R	2	37.3	94.9	13	79.9	1.8	1	11.0	3.99	37.3	130	79.8	442	173	33
Warsaw, Virginia	1076	VA16B-118 2R	2	44.9	98.2	11	81.0	2.1	1	12.3	4.86	40.0	171	80.8	291	215	60
Warsaw, Virginia	1077	VA16B-120 2R	2	38.1	97.3	13	81.7	n.d.	3	14.3	5.03	37.6	96	67.9	201	272	36
Warsaw, Virginia	1078	DH14BDH12-67	6	24.1	78.4	13	78.1	n.d.	3	14.7	4.82	34.1	100	51.4	308	212	22
Warsaw, Virginia	1079	DH14BDH12-69	6	27.7	88.7	27	78.7	2.1	2	12.6	4.71	38.5	148	43.4	641	169	34
Warsaw, Virginia	1080	DH14BDH12-70	6	25.8	70.2	17	81.9	3.0	1	10.2	4.84	49.3	91	92.8	166	234	35
Warsaw, Virginia	1081	DH14BDH12-68	6	23.6	63.0	13	78.2	2.4	1	10.2	4.54	44.9	81	76.3	330	167	26
Warsaw, Virginia	1082	DH14BDH12-71	6	26.7	92.2	15	78.8	n.d.	3	12.1	4.74	41.2	88	85.3	323	257	34
Warsaw, Virginia	1083	DH14BDH12-74	2	38.1	97.0	20	80.4	1.5	1	13.2	4.18	33.3	81	46.1	623	148	28
	1084	LACEY MALT CHECK	6	33.1	88.8	42	80.0	2.3	1	13.1	4.93	39.2	159	87.2	62	273	61
Warsaw, Virginia	1085	DH14BDH12-72	2	37.7	95.2	14	80.3	1.7	1	10.8	4.50	42.4	74	56.3	640	133	38
Warsaw, Virginia	1086	DH14BDH12-75	6	28.0	91.2	15	79.5	n.d.	3	14.5	4.38	30.1	111	74.3	203	280	29
Warsaw, Virginia	1087	DH14BDH12-77	6	26.9	81.5	22	80.6	3.9	1	11.8	5.06	44.2	90	89.5	89	302	54
Warsaw, Virginia	1088	DH14BDH12-79	6	24.3	63.0	8	77.6	3.3	1	13.2	5.08	39.4	128	109.6	337	274	31
Warsaw, Virginia	1089	Secretariat	6	29.7	86.2	7	78.5	2.9	2	11.0	3.47	34.1	64	45.9	712	164	24
Warsaw, Virginia	1090	Violetta	2	38.0	94.6	9	83.4	2.5	1	10.2	4.70	47.9	145	70.9	132	191	53
Warsaw, Virginia	1091	DH14BDH12-81	2	41.8	98.7	20	82.3	6.0	2	12.4	4.96	40.5	122	71.5	94	296	68
Warsaw, Virginia	1092	DH14BDH12-82	2	34.5	91.1	25	81.6	2.3	1	12.0	4.80	41.8	161	90.7	229	230	58
Warsaw, Virginia	1093	DH14BDH12-83	6	26.2	64.5	15	79.6	2.7	1	11.2	4.91	45.8	126	102.2	201	251	41
Warsaw, Virginia	1094	DH14BDH12-85	6	30.7	82.1	20	79.8	2.4	1	11.3	4.56	42.0	135	104.9	331	225	42
Warsaw, Virginia	1095	DH14BDH12-86	6	29.0	93.6	21	78.4	2.0	1	11.8	4.62	40.2	129	56.6	632	164	37
Warsaw, Virginia	1096	DH14BDH12-84	6	26.8	77.7	18	79.1	2.7	1	11.7	5.05	44.3	127	72.2	419	175	44
Warsaw, Virginia	1097	DH14BDH12-90	2	34.6	91.9	12	80.6	2.6	1	12.3	4.95	43.4	89	72.5	430	235	48
Warsaw, Virginia	1098	DH14BDH12-94	2	42.7	96.0	7	82.8	4.8	1	11.2	6.41	57.8	113	105.1	157	350	48
Warsaw, Virginia	1099	DH14BDH12-92	2	39.7	95.4	20	81.7	5.1	1	12.7	6.36	50.9	88	77.1	106	325	44
Warsaw, Virginia	1100	DH14BDH12-95	2	40.3	96.3	15	80.5	n.d.	3	13.9	6.50	48.2	103	55.9	136	289	35
Warsaw, Virginia	1101	DH14BDH12-99	6	24.0	78.7	20	76.6	1.9	1	12.1	3.85	32.9	79	51.5	565	165	22

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Warsaw, Virginia	1102	VA09B-34	6	31.8	95.4	22	78.2	2.3	1	11.5	3.95	35.2	60	46.3	682	174	27
Warsaw, Virginia	1103	DH14BDH13-01	6	22.7	76.4	21	78.2	2.9	2	13.5	4.91	37.0	95	64.4	438	208	33
Warsaw, Virginia	1104	DH14BDH13-02	6	25.0	82.2	21	77.5	1.9	1	13.3	4.18	31.5	97	55.4	593	177	24
Warsaw, Virginia	1105	DH14BDH13-00	6	31.4	75.2	19	81.6	n.d.	3	12.3	5.96	48.7	76	91.3	208	296	42
Warsaw, Virginia	1106	DH14BDH13-03	6	27.3	87.0	25	78.1	2.5	1	11.8	3.87	34.7	70	45.0	710	153	25
Warsaw, Virginia	1107	DH14BDH13-05	6	24.7	61.5	16	79.1	3.6	1	12.5	5.83	49.6	118	98.2	239	304	37
Warsaw, Virginia	1108	DH14BDH13-06	6	31.0	96.3	25	80.8	n.d.	3	11.8	4.80	42.0	77	56.0	207	237	49
Warsaw, Virginia	1109	DH14BDH13-04	6	29.7	82.6	26	81.4	n.d.	3	11.0	5.68	53.5	69	73.2	65	300	48
Warsaw, Virginia	1110	DH14BDH13-07	6	29.6	83.2	16	79.1	3.1	2	14.3	5.53	40.5	83	58.9	552	221	37
Warsaw, Virginia	1111	DH14BDH13-10	6	29.9	83.0	28	80.3	2.6	2	11.6	4.95	43.4	101	60.2	433	218	48
Warsaw, Virginia	1112	DH14BDH13-08	6	29.2	94.7	14	77.9	2.7	1	12.3	4.65	39.0	140	54.9	604	188	34
Warsaw, Virginia	1113	DH14BDH13-11	2	37.5	95.3	17	78.7	n.d.	3	13.8	7.13	52.2	120	57.1	296	316	28
Warsaw, Virginia	1114	DH14BDH13-13	6	27.2	88.5	11	75.3	n.d.	3	16.3	6.60	40.7	152	45.1	358	286	21
	1115	CONRAD MALT CHECK	2	39.4	97.8	52	81.8	1.9	1	12.5	5.48	44.3	151	84.6	184	257	60
Warsaw, Virginia	1116	DH14BDH13-12	2	37.6	94.7	14	82.1	3.3	2	11.4	5.68	53.4	89	96.7	158	299	41
Warsaw, Virginia	1117	DH14BDH13-15	6	22.0	78.4	27	79.8	4.7	2	11.4	5.62	49.8	83	82.4	115	310	45
Warsaw, Virginia	1118	DH14BDH13-17	6	21.7	64.3	18	78.6	4.5	1	11.6	5.61	50.3	102	92.9	108	300	45
Warsaw, Virginia	1119	DH14BDH13-18	6	25.6	80.0	14	79.7	4.3	2	12.4	5.36	45.5	136	96.7	176	302	54
Warsaw, Virginia	1120	DH14BDH13-16	6	25.4	85.2	17	78.6	2.3	2	13.8	4.50	34.2	89	47.9	559	168	22
Warsaw, Virginia	1121	Flavia	2	34.2	84.2	9	81.4	3.6	2	12.3	5.07	43.4	168	71.2	137	248	55
Orange, Virginia	1122	Flavia	2	37.7	89.7	35	82.4	2.3	1	10.7	4.05	40.3	152	48.0	77	177	46
Orange, Virginia	1123	Flavia	2	34.6	82.8	34	79.8	2.8	1	12.4	4.51	37.6	183	48.3	195	184	40
Orange, Virginia	1124	Flavia	2	33.5	82.9	44	80.3	2.6	1	10.2	4.11	40.7	150	44.6	220	155	33
Orange, Virginia	1125	Flavia	2	37.3	83.8	31	79.9	2.7	1	13.3	4.68	36.5	198	52.2	170	205	40
Orange, Virginia	1126	Flavia	2	38.9	90.4	36	81.0	2.5	1	11.3	4.14	40.0	167	43.3	128	169	48
Orange, Virginia	1127	Flavia	2	34.2	85.6	40	80.9	2.6	1	10.0	3.63	37.6	144	44.3	195	163	28
Orange, Virginia	1128	Flavia	2	36.9	88.6	35	82.1	2.5	1	11.1	4.10	38.4	161	47.6	148	160	42
Orange, Virginia	1129	Thoroughbred	6	31.2	81.1	39	79.6	2.3	1	12.0	4.47	39.2	174	45.0	265	166	42
Orange, Virginia	1130	Thoroughbred	6	29.2	77.3	44	79.1	2.5	1	11.0	3.94	36.8	163	47.3	340	163	33
Orange, Virginia	1131	Thoroughbred	6	32.7	82.8	40	80.0	2.6	1	11.1	4.06	38.5	155	46.7	230	146	38
Orange, Virginia	1132	Thoroughbred	6	31.2	76.6	46	79.1	2.6	1	12.0	4.39	36.7	184	49.3	316	150	40
Orange, Virginia	1133	Thoroughbred	6	32.7	81.3	42	79.3	2.8	2	11.5	4.09	37.6	162	45.9	188	174	37
Orange, Virginia	1134	Thoroughbred	6	29.8	75.6	40	78.8	2.6	1	11.2	4.22	39.5	163	48.2	318	176	30
Orange, Virginia	1135	Thoroughbred	6	29.5	79.8	44	79.2	2.5	2	10.5	4.23	42.0	144	46.9	269	173	32
Holland, Virginia	1136	Flavia	2	40.6	97.7	4	82.7	3.0	1	10.3	4.57	44.5	93	48.4	203	199	47
Holland, Virginia	1137	Flavia	2	42.7	97.9	3	81.7	3.1	1	11.4	4.41	39.5	100	47.5	337	221	48
Holland, Virginia	1138	Flavia	2	43.9	98.3	4	83.2	2.8	1	9.4	4.15	46.0	86	49.5	133	201	47
Holland, Virginia	1139	Flavia	2	43.0	97.9	4	83.1	3.0	1	9.7	4.04	45.1	76	50.4	165	198	47
Holland, Virginia	1140	Flavia	2	42.4	97.4	7	82.3	3.1	1	10.8	4.47	41.6	89	49.2	199	220	48
Holland, Virginia	1141	Flavia	2	31.9	94.2	14	81.8	2.5	1	8.9	3.60	43.7	88	55.6	258	159	34
Holland, Virginia	1142	Flavia	2	43.3	97.8	2	82.8	3.3	1	11.1	4.76	44.9	84	53.3	241	229	56
Holland, Virginia	1143	Thoroughbred	6	34.6	94.2	3	80.4	2.5	1	11.3	4.17	40.6	107	60.1	366	186	34
Holland, Virginia	1144	Thoroughbred	6	35.0	96.3	2	81.4	2.4	2	10.5	4.15	41.9	107	60.9	413	183	33
Holland, Virginia	1145	Thoroughbred	6	33.6	95.3	8	81.6	2.5	1	10.2	4.01	42.3	88	55.9	322	157	39
	1146	CONRAD MALT CHECK	2	40.9	96.9	53	82.0	2.0	1	12.4	5.07	41.2	129	94.2	142	260	65
Holland, Virginia	1147	Thoroughbred	6	33.4	94.6	9	81.2	2.6	2	9.3	4.07	45.0	98	57.6	329	175	38
Holland, Virginia	1148	Thoroughbred	6	32.0	93.3	10	80.2	2.4	1	11.2	4.52	42.2	120	59.1	347	189	42
Holland, Virginia	1149	Thoroughbred	6	41.9	97.6	3	83.7	2.9	2	8.6	4.09	49.4	66	47.5	139	182	33
Holland, Virginia	1150	Thoroughbred	6	32.8	94.8	8	81.5	2.5	2	10.1	4.35	44.8	96	58.2	305	191	41
Wooster, Ohio	1151	MO B2112	2	39.7	95.7	40	74.4	n.d.	3	19.1	5.22	27.5	136	51.6	586	214	33
Wooster, Ohio	1152	MO B2124	2	38.5	90.9	44	73.4	2.7	2	16.3	4.58	29.1	160	57.9	543	183	32
Wooster, Ohio	1153	MO B2126	2	37.8	94.0	53	76.3	n.d.	3	15.0	4.61	32.0	111	33.1	665	136	16
Wooster, Ohio	1154	MO B2139	2	31.4	69.0	42	75.5	n.d.	3	16.2	4.78	30.2	131	38.2	631	191	19
Wooster, Ohio	1155	MO B2142	2	36.4	84.2	37	73.2	2.5	2	17.8	4.66	26.3	133	44.1	602	196	24
Wooster, Ohio	1156	MO B2146	2	35.9	89.6	41	74.8	2.1	2	16.1	4.62	29.4	154	49.9	620	169	22

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Wooster, Ohio	1157	MO B2171	2	36.7	92.6	45	76.4	2.1	2	15.3	4.58	31.0	156	52.4	568	193	32
Wooster, Ohio	1158	MO B2186	2	40.6	95.6	50	76.6	2.3	2	15.1	4.17	28.7	107	41.5	702	151	21
Wooster, Ohio	1159	MO B2188	2	39.4	93.4	48	74.8	n.d.	3	15.5	3.94	25.7	141	34.4	687	128	14
Wooster, Ohio	1160	MO B2190	2	38.7	86.3	47	76.0	2.2	2	15.0	3.44	24.1	108	40.8	724	140	14
Wooster, Ohio	1161	MO B2191	2	40.9	89.3	44	75.0	2.4	2	15.8	4.14	26.7	135	41.3	729	148	22
Wooster, Ohio	1162	MO B2247	2	36.5	88.3	40	77.6	2.4	2	15.3	4.61	32.1	136	44.0	604	162	22
Wooster, Ohio	1163	MO B2301	2	38.5	94.0	49	74.4	2.2	2	15.9	3.81	24.9	134	38.0	780	153	15
Wooster, Ohio	1164	MO B2319	2	40.9	96.9	49	74.7	n.d.	3	16.2	4.18	26.0	166	43.7	699	185	26
Wooster, Ohio	1165	MO B2321	2	34.2	90.0	39	77.0	2.6	2	14.7	4.36	31.1	100	39.6	699	165	9
Wooster, Ohio	1166	MO B2405	2	35.5	89.1	31	75.3	3.0	2	17.2	5.09	31.1	136	46.4	674	171	22
Wooster, Ohio	1167	MO B2414	2	37.2	96.3	45	73.6	n.d.	3	16.3	5.08	31.6	139	41.7	726	154	23
Wooster, Ohio	1168	MO B2517	2	37.2	95.6	38	74.3	n.d.	3	16.9	5.30	33.2	135	52.4	629	222	31
Wooster, Ohio	1169	MO B2522	2	36.9	88.0	45	76.7	2.0	1	16.1	6.04	38.5	166	65.2	456	249	24
Wooster, Ohio	1170	MO B2543	2	36.0	86.6	46	74.6	n.d.	3	17.1	6.41	39.8	253	46.9	468	206	19
Wooster, Ohio	1171	MO B2549	2	39.2	92.7	52	73.1	2.8	2	17.0	5.72	34.6	201	49.5	579	180	25
Wooster, Ohio	1172	MO B2566	2	40.8	94.5	36	73.0	n.d.	3	17.7	5.93	33.0	171	46.3	643	176	23
Wooster, Ohio	1173	MO B2567	2	30.5	67.2	35	73.7	2.1	1	17.9	6.22	36.0	140	52.8	447	228	21
Wooster, Ohio	1174	MO B2610	2	37.9	92.2	30	75.7	2.0	2	15.7	4.24	27.3	132	36.7	736	160	16
Wooster, Ohio	1175	MO B2611	2	34.2	89.4	34	77.3	2.2	1	13.6	3.48	26.5	91	41.7	646	150	9
Wooster, Ohio	1176	MO B2613	2	39.5	93.7	41	76.8	2.2	2	15.4	4.04	26.0	161	42.9	662	173	22
	1177	CONRAD MALT CHECK	2	40.0	97.1	56	82.3	1.6	1	12.0	5.05	43.8	160	103.1	170	270	60
Wooster, Ohio	1178	MO B2614	2	33.9	89.9	34	76.2	2.4	1	15.5	5.15	33.9	101	42.0	727	179	20
Wooster, Ohio	1179	MO B2617	2	34.6	81.5	35	74.9	2.3	2	15.6	3.95	25.5	165	51.5	565	181	18
Wooster, Ohio	1180	MO B2626	2	36.8	86.7	41	74.9	2.4	2	17.1	5.13	30.9	171	45.7	742	180	25
Wooster, Ohio	1181	MO B2639	2	39.0	94.7	59	76.2	2.1	2	15.9	3.57	22.8	144	45.1	732	167	19
Wooster, Ohio	1182	MO B2662	2	30.4	76.9	37	76.8	2.2	2	14.2	4.61	32.5	136	41.3	599	140	19
Wooster, Ohio	1183	MO B2677	2	37.4	92.1	44	74.3	n.d.	3	17.9	5.70	31.3	133	51.5	641	205	27
Wooster, Ohio	1184	MO B2797	2	43.0	94.4	49	75.4	2.2	2	15.8	4.75	31.4	141	44.9	640	147	29
Wooster, Ohio	1185	MO B3056	2	32.7	69.8	40	74.9	2.1	2	13.6	5.25	38.9	117	45.2	703	142	16
Wooster, Ohio	1186	MO B3396	2	35.4	92.1	37	74.5	2.7	2	17.2	5.34	32.0	131	51.5	606	192	32
Wooster, Ohio	1187	MO B3539	2	37.8	93.4	50	75.8	2.3	2	13.9	4.69	34.8	176	44.0	679	141	24
Aberdeen, Idaho	1188	09ARS571-1	2	39.9	88.0	87	81.7	1.3	1	10.2	3.86	37.7	122	54.4	124	159	39
Aberdeen, Idaho	1189	09ARS571-3	2	36.8	79.6	89	80.6	1.3	1	10.8	4.90	46.9	137	54.1	90	161	47
Aberdeen, Idaho	1190	10ARS528-2	2	38.0	90.2	75	81.6	1.5	1	11.2	4.19	39.7	144	79.4	333	214	51
Aberdeen, Idaho	1191	10ARS528-3	2	33.9	83.0	70	82.5	1.6	1	11.3	4.83	46.5	143	74.0	211	244	53
Aberdeen, Idaho	1192	10ARS531-3	2	44.7	91.3	65	81.4	1.9	1	12.6	4.67	39.7	158	69.9	471	224	58
Aberdeen, Idaho	1193	10ARS637-1	2	42.7	92.2	64	80.4	2.0	1	13.3	6.04	46.8	206	75.1	165	269	48
Aberdeen, Idaho	1194	10ARS680-2	2	42.5	96.3	70	82.2	2.0	1	10.8	3.74	35.7	118	40.3	143	173	38
Aberdeen, Idaho	1195	10ARS654-2	2	38.9	90.1	64	80.6	1.6	1	12.2	4.73	38.9	161	65.3	312	190	52
Aberdeen, Idaho	1196	09ARS574-1	2	36.8	81.2	85	80.7	1.9	1	11.6	5.56	49.6	174	79.9	292	243	45
Aberdeen, Idaho	1197	09ARS574-2	2	34.3	75.5	71	79.6	1.9	1	12.1	5.24	45.8	176	86.1	242	247	50
Aberdeen, Idaho	1198	09ARS503-1	2	36.2	81.8	82	82.7	1.8	1	10.3	4.21	42.9	134	72.0	181	189	42
Aberdeen, Idaho	1199	10ARS602-1	2	35.6	84.9	93	82.0	1.8	1	10.7	5.21	49.7	134	74.2	87	242	50
Aberdeen, Idaho	1200	10ARS608-2	2	29.9	58.1	90	80.7	1.7	1	11.0	5.14	46.8	174	81.4	178	231	45
Aberdeen, Idaho	1201	10ARS608-3	2	30.7	59.9	93	81.4	2.1	1	10.4	4.61	45.9	132	70.3	125	237	51
Aberdeen, Idaho	1202	10ARS610-3	2	39.1	93.9	60	83.0	1.9	1	12.7	5.83	49.0	191	91.6	261	273	51
Aberdeen, Idaho	1203	10ARS611-2	2	37.8	89.0	82	81.8	1.8	1	11.6	5.16	46.7	123	71.5	210	251	56
Aberdeen, Idaho	1204	10ARS611-3	2	37.5	90.5	79	79.7	1.5	1	12.4	4.62	37.3	157	49.3	361	196	47
Aberdeen, Idaho	1205	10ARS614-2	2	35.1	85.8	88	82.1	1.8	1	11.2	5.00	48.4	125	90.1	156	247	51
Aberdeen, Idaho	1206	10ARS638-1	2	39.5	81.8	72	78.2	2.1	2	12.3	3.77	31.4	143	43.1	611	123	28
Aberdeen, Idaho	1207	10ARS638-3	2	41.4	89.9	81	78.6	1.9	2	11.9	3.91	33.7	117	38.7	570	143	26
	1208	CONRAD MALT CHECK	2	40.2	96.9	52	82.3	2.2	1	11.9	5.64	48.2	143	88.3	199	284	53
Aberdeen, Idaho	1209	10ARS642-2	2	34.4	91.2	73	81.3	n.d.	3	10.2	3.54	35.5	121	39.9	380	141	27
Aberdeen, Idaho	1210	10ARS643-1	2	42.2	93.8	83	79.8	1.6	2	11.7	3.92	36.6	142	38.3	352	141	35
Aberdeen, Idaho	1211	10ARS643-3	2	43.1	95.1	76	79.5	1.3	1	13.0	3.90	31.3	163	45.9	356	149	40

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Aberdeen, Idaho	1212	10ARS649-2	2	39.2	90.3	79	79.2	1.6	1	11.2	3.66	33.0	173	57.0	341	147	37
Aberdeen, Idaho	1213	10ARS676-2	2	35.3	82.2	93	79.3	1.4	1	11.5	3.76	33.3	142	49.4	179	170	27
Aberdeen, Idaho	1214	10ARS676-3	2	39.6	88.8	75	78.0	1.4	2	12.9	4.05	32.0	228	48.6	221	181	37
Aberdeen, Idaho	1215	10ARS682-2	2	39.1	92.1	76	80.8	1.7	1	11.1	3.69	34.0	180	54.9	378	145	40
Aberdeen, Idaho	1216	10ARS686-2	2	38.3	84.3	67	79.9	1.9	1	12.2	4.36	36.9	126	97.3	272	202	43
Aberdeen, Idaho	1217	10ARS688-2	2	34.9	81.4	70	81.9	1.8	1	11.3	4.74	43.6	134	88.6	326	217	53
Aberdeen, Idaho	1218	10ARS688-3	2	36.6	88.2	66	78.2	2.4	2	12.1	3.67	32.2	105	39.0	353	153	22
Aberdeen, Idaho	1219	10ARS689-2	2	33.5	77.1	88	81.2	1.7	1	10.8	4.22	40.5	128	75.8	127	186	45
Aberdeen, Idaho	1220	10ARS696-1	2	39.0	88.4	77	80.9	2.1	2	11.9	4.15	35.4	154	47.6	133	174	40
Aberdeen, Idaho	1221	10ARS696-2	2	41.7	90.5	69	81.6	1.9	1	12.4	4.73	39.7	155	76.1	78	230	64
Aberdeen, Idaho	1222	10ARS512-2	2	34.4	90.2	76	79.5	2.2	2	11.6	3.77	33.0	137	44.3	219	144	34
Aberdeen, Idaho	1223	10ARS512-3	2	38.4	89.4	70	82.3	2.2	1	11.8	5.24	47.7	183	89.9	50	262	60
Aberdeen, Idaho	1224	10ARS513-1	2	43.5	96.5	56	81.6	2.9	2	12.3	4.71	38.5	223	55.3	53	218	64
Aberdeen, Idaho	1225	10ARS514-2	2	38.3	86.4	77	78.4	1.4	1	11.5	3.11	28.4	101	33.3	841	113	25
Aberdeen, Idaho	1226	10ARS514-3	2	38.5	90.7	80	80.5	2.1	2	10.7	3.23	31.4	128	48.5	546	121	31
Aberdeen, Idaho	1227	10ARS519-2	2	40.4	93.3	80	79.2	1.5	1	12.4	3.92	32.9	180	41.8	384	158	36
Aberdeen, Idaho	1228	10ARS520-3	2	37.7	86.2	78	80.8	1.9	1	11.7	4.59	40.8	118	102.0	149	215	53
Aberdeen, Idaho	1229	10ARS522-2	2	38.0	89.0	61	81.1	2.1	1	12.2	4.91	43.6	156	99.2	201	210	58
Aberdeen, Idaho	1230	10ARS523-2	2	38.9	90.1	93	82.0	1.8	1	11.5	4.83	43.6	155	72.9	75	237	67
Aberdeen, Idaho	1231	10ARS523-3	2	41.4	92.6	78	77.9	1.6	2	13.0	3.70	28.9	199	51.1	309	133	34
Aberdeen, Idaho	1232	10ARS524-1	2	32.3	75.2	85	81.2	1.6	1	10.5	4.00	38.0	127	75.5	260	168	34
Aberdeen, Idaho	1233	10ARS526-1	2	41.8	90.3	68	79.4	1.7	1	12.9	4.83	39.5	204	93.6	232	198	51
Aberdeen, Idaho	1234	10ARS526-3	2	39.2	91.2	67	80.6	2.1	1	12.2	4.97	41.2	181	96.7	133	236	60
Aberdeen, Idaho	1235	10ARS529-2	2	39.4	89.9	63	80.5	1.5	1	12.8	4.37	36.3	203	73.0	395	198	46
Aberdeen, Idaho	1236	10ARS529-3	2	40.1	91.6	72	82.0	2.2	1	11.1	4.37	39.6	166	80.3	343	216	53
Aberdeen, Idaho	1237	10ARS533-2	2	35.0	70.9	82	77.8	2.4	2	11.2	3.69	33.5	104	46.6	501	258	24
Aberdeen, Idaho	1238	10ARS533-3	2	33.7	60.5	88	80.2	1.9	1	10.7	3.92	36.7	119	71.8	477	187	28
	1239	CONRAD MALT CHECK	2	40.2	97.1	54	81.8	2.2	1	12.1	5.22	44.4	156	91.8	270	258	62
Aberdeen, Idaho	1240	10ARS536-1	2	41.3	90.7	62	79.7	2.2	1	13.2	4.85	38.4	160	84.0	367	218	49
Aberdeen, Idaho	1241	10ARS536-2	2	39.5	93.0	64	79.2	1.7	1	12.0	3.96	34.4	129	48.7	503	150	34
Aberdeen, Idaho	1242	10ARS543-2	2	42.2	92.9	62	79.6	2.1	2	11.9	3.79	33.2	144	44.2	405	148	39
Aberdeen, Idaho	1243	10ARS604-2	2	39.5	93.2	84	80.7	2.2	1	12.7	5.46	43.0	167	86.2	170	279	57
Aberdeen, Idaho	1244	10ARS606-2	2	35.3	85.3	74	82.0	2.2	1	10.9	4.74	47.1	129	81.6	160	212	46
Aberdeen, Idaho	1245	10ARS518-5	2	39.0	87.0	70	79.4	1.7	1	12.1	4.09	35.2	168	63.9	586	165	41
Aberdeen, Idaho	1246	10ARS667-5	2	42.0	95.0	67	79.6	2.4	2	11.3	4.14	38.4	105	39.6	544	147	34
Aberdeen, Idaho	1247	Wintmalt	2	40.1	93.4	85	80.5	n.d.	3	11.0	3.68	36.4	132	49.6	216	156	32
Aberdeen, Idaho	1248	Charles	2	37.2	91.3	75	81.0	3.0	1	11.4	4.51	40.6	147	83.3	222	219	58
Aberdeen, Idaho	1249	Endeavor	2	36.5	87.7	78	80.2	2.5	1	11.9	4.21	37.1	146	86.1	286	195	44
Aberdeen, Idaho	1250	13W529-12	2	34.2	83.5	77	79.1	2.3	1	12.1	3.87	33.1	145	43.1	275	146	27
Aberdeen, Idaho	1251	13W529-2	2	37.3	94.7	72	81.1	2.8	1	11.7	4.91	43.6	127	109.5	167	250	58
Aberdeen, Idaho	1252	13W529-3	2	33.2	81.0	81	80.3	2.8	1	11.6	4.40	39.4	158	99.7	136	213	48
Aberdeen, Idaho	1253	13W533-1	2	42.7	92.7	88	77.5	2.3	2	12.6	3.74	30.4	164	36.6	432	133	28
Aberdeen, Idaho	1254	13W533-2	2	27.7	49.7	99	73.8	1.9	1	12.7	4.21	33.5	133	49.5	206	186	29
Aberdeen, Idaho	1255	13W537-1	2	40.5	84.3	81	79.7	2.5	1	13.4	5.26	41.1	223	95.7	93	271	56
Aberdeen, Idaho	1256	13W537-11	2	36.5	84.6	73	80.4	2.4	1	11.5	4.39	41.1	160	91.2	168	201	46
Aberdeen, Idaho	1257	13W537-12	2	37.1	92.0	70	80.9	2.3	1	12.2	4.64	38.6	172	93.9	107	221	53
Aberdeen, Idaho	1258	13W537-13	2	38.8	88.9	78	81.0	2.3	1	11.3	4.32	39.8	149	81.1	101	202	52
Aberdeen, Idaho	1259	13W537-14	2	40.8	95.1	70	81.0	2.6	1	12.0	4.96	44.9	152	94.8	102	258	62
Aberdeen, Idaho	1260	13W537-15	2	30.6	80.9	78	80.3	1.9	1	12.1	4.30	37.6	215	82.5	179	185	39
Aberdeen, Idaho	1261	13W537-16	2	38.4	91.7	75	81.1	2.1	1	12.2	4.86	40.7	197	93.8	130	243	63
Aberdeen, Idaho	1262	13W537-17	2	37.7	86.2	73	81.2	2.2	1	12.5	4.89	40.7	213	94.1	80	241	63
Aberdeen, Idaho	1263	13W537-18	2	36.6	94.5	64	80.9	2.3	1	12.4	5.03	42.6	195	105.7	28	263	62
Aberdeen, Idaho	1264	13W537-19	2	41.5	94.0	78	81.8	2.3	1	11.2	4.64	42.2	151	96.0	60	237	69
Aberdeen, Idaho	1265	13W537-20	2	38.8	91.1	71	80.8	2.1	1	11.9	4.47	39.0	184	89.4	187	209	52
Aberdeen, Idaho	1266	13W537-21	2	35.6	87.9	63	81.4	2.3	1	11.7	4.60	40.0	182	107.3	55	223	58

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Aberdeen, Idaho	1267	13W537-22	2	39.2	94.7	71	80.0	1.9	1	13.1	4.52	34.7	187	82.4	214	212	47
Aberdeen, Idaho	1268	13W537-23	2	39.0	92.9	72	80.6	2.4	1	12.9	5.05	39.5	215	93.5	73	246	59
Aberdeen, Idaho	1269	13W537-24	2	44.0	97.6	64	81.1	2.2	1	12.3	4.95	41.8	200	110.0	56	240	70
	1270	CONRAD MALT CHECK	2	40.2	96.9	54	81.4	2.3	1	12.3	5.17	42.3	146	96.9	113	261	65
Aberdeen, Idaho	1271	13W537-25	2	42.5	93.3	79	80.7	2.1	1	11.6	4.64	40.3	126	80.0	40	229	67
Aberdeen, Idaho	1272	13W537-26	2	36.6	87.7	87	80.6	1.7	1	12.6	4.84	40.6	227	96.3	35	236	60
Aberdeen, Idaho	1273	13W537-27	2	36.4	88.4	78	80.3	1.8	1	12.6	4.33	34.4	185	82.0	91	200	51
Aberdeen, Idaho	1274	13W537-28	2	39.8	91.7	84	80.7	1.8	1	12.0	4.24	36.6	145	71.6	274	211	48
Aberdeen, Idaho	1275	13W537-29	2	36.3	83.0	76	81.3	1.8	1	12.6	4.76	39.5	183	88.7	107	243	51
Aberdeen, Idaho	1276	13W537-3	2	34.9	93.7	83	81.2	1.7	1	12.2	4.53	39.7	194	87.1	69	212	60
	1277	CONRAD MALT CHECK	2	40.4	98.0	56	82.2	2.2	1	12.3	5.16	43.7	143	92.7	201	270	62
Aberdeen, Idaho	1278	13W537-5	2	38.2	92.2	74	80.4	1.6	1	12.4	4.57	38.6	176	84.2	116	208	55
Aberdeen, Idaho	1279	13W537-6	2	39.3	98.0	62	81.6	1.9	1	13.1	4.99	40.7	198	103.1	87	245	62
Aberdeen, Idaho	1280	13W537-7	2	37.8	90.9	74	80.4	1.6	1	11.4	4.38	39.5	164	87.5	185	197	46
Aberdeen, Idaho	1281	13W537-9	2	41.2	91.6	79	78.9	1.7	1	13.9	4.70	35.1	160	74.6	411	223	41
Aberdeen, Idaho	1282	Wintmalt	2	34.8	80.0	93	78.2	1.9	1	12.5	3.97	33.9	138	45.7	240	155	27
Aberdeen, Idaho	1283	Charles	2	36.9	86.8	73	79.4	1.8	1	13.5	4.83	37.4	182	80.9	212	235	43
Aberdeen, Idaho	1284	Endeavor	2	33.7	76.7	86	79.8	1.6	1	12.2	4.53	40.0	185	87.7	220	189	48
Aberdeen, ID	1285	Charles	2	38.6	92.4	76	82.2	1.9	1	11.3	4.58	44.6	140	75.4	113	214	63
Aberdeen, ID	1286	Endeavor	2	36.3	83.1	82	80.2	1.7	1	11.4	4.44	40.7	147	81.7	278	194	50
Aberdeen, ID	1287	Wintmalt	2	35.8	86.1	97	78.5	2.0	2	11.6	3.75	33.6	139	43.8	265	135	29
Aberdeen, ID	1288	08ARS505-5	2	32.0	61.6	82	79.4	1.7	1	12.1	4.46	38.3	204	78.0	204	187	40
Aberdeen, ID	1289	08ARS505-7	2	36.4	82.0	83	81.6	1.9	1	10.7	4.47	44.7	130	86.3	55	203	55
Aberdeen, ID	1290	08ARS505-8	2	32.3	64.2	80	81.3	1.9	1	11.9	4.65	40.9	154	91.0	83	205	60
Aberdeen, ID	1291	08ARS509-1	2	36.5	77.6	58	80.1	1.8	1	12.5	4.54	37.4	154	82.3	174	198	45
Aberdeen, ID	1292	08ARS509-4	2	36.1	69.7	71	79.7	1.6	1	12.1	4.22	36.6	133	67.7	396	179	36
Aberdeen, ID	1293	08ARS510-2	2	38.3	88.6	76	82.0	1.8	1	10.9	4.36	42.4	93	78.7	219	194	42
Aberdeen, ID	1294	08ARS510-3	2	34.1	74.6	85	78.8	1.8	1	12.6	4.56	38.0	118	78.2	331	198	39
Aberdeen, ID	1295	08ARS513-1	2	36.4	84.9	78	80.7	1.8	1	11.5	4.58	41.7	111	72.9	285	198	47
Aberdeen, ID	1296	08ARS513-4	2	33.9	73.5	78	79.8	1.6	1	11.5	4.72	43.2	128	93.7	72	206	57
Aberdeen, ID	1297	08ARS514-1	2	37.8	89.2	75	81.8	1.6	1	11.0	4.37	40.5	138	81.6	140	168	50
Aberdeen, ID	1298	08ARS514-2	2	34.4	82.0	64	81.2	1.7	1	11.7	4.61	42.7	137	82.7	109	197	56
Aberdeen, ID	1299	08ARS514-3	2	35.7	79.8	76	80.9	1.6	1	11.2	4.52	40.7	141	88.7	145	200	53
Aberdeen, ID	1300	08ARS514-5	2	33.4	73.7	80	80.5	1.6	1	12.2	4.68	39.1	214	87.9	119	190	46
Aberdeen, ID	1301	08ARS515-1	2	35.9	80.5	77	81.3	1.7	1	12.2	4.92	40.5	146	81.8	117	226	56
Aberdeen, ID	1302	08ARS516-2	2	32.5	74.7	83	80.5	1.7	1	11.8	4.59	41.8	155	81.6	287	212	50
Aberdeen, ID	1303	08ARS517-4	2	35.1	85.2	76	80.4	1.5	1	11.4	4.30	38.8	95	64.3	317	190	37
Aberdeen, ID	1304	08ARS525-4	2	34.1	81.7	79	80.9	1.7	1	12.1	4.69	39.7	177	79.2	228	197	45
Aberdeen, ID	1305	08ARS525-5	2	34.8	77.3	85	80.5	1.5	1	11.4	4.29	38.0	154	63.3	138	186	42
Aberdeen, ID	1306	08ARS525-7	2	32.4	77.1	86	81.0	1.6	1	11.3	4.48	41.5	131	71.8	269	200	50
Aberdeen, ID	1307	08ARS526-4	2	36.2	84.5	69	81.4	1.6	1	11.8	4.59	40.9	170	74.6	145	209	56
	1308	CONRAD MALT CHECK	2	40.3	97.0	54	82.0	2.2	1	12.3	5.47	46.6	141	83.8	208	278	62
Aberdeen, ID	1309	08ARS528-5	2	37.8	93.3	67	80.7	1.6	1	12.2	4.57	39.5	157	71.1	264	225	50
Aberdeen, ID	1310	08ARS531-1	2	33.3	69.0	76	78.8	1.6	1	12.3	4.50	38.0	176	80.5	283	205	42
Aberdeen, ID	1311	08ARS531-2	2	35.2	83.8	66	80.3	1.6	1	10.8	4.51	44.6	161	78.1	277	199	45
Aberdeen, ID	1312	09ARS693-2	2	33.8	79.9	60	81.5	1.8	1	11.5	4.61	41.1	157	80.5	289	203	53
Aberdeen, ID	1313	Charles	2	42.3	95.3	57	80.4	2.4	1	13.5	5.85	45.6	152	91.9	408	316	46
Aberdeen, ID	1314	Endeavor	2	42.5	92.5	57	79.3	1.9	1	13.3	5.28	42.6	139	87.4	363	260	52
Aberdeen, ID	1315	Wintmalt	2	42.8	95.7	65	78.2	2.1	2	15.2	4.98	33.0	187	54.5	276	204	41
Aberdeen, ID	1316	08ARS505-5	2	42.5	94.3	59	80.9	2.3	1	12.4	5.39	46.0	126	88.7	150	247	60
Aberdeen, ID	1317	08ARS505-7	2	45.5	95.9	63	81.4	2.6	1	12.2	5.82	48.7	115	87.7	72	322	58
Aberdeen, ID	1318	08ARS505-8	2	40.9	93.3	57	80.5	2.0	1	13.7	5.57	43.6	172	116.6	148	263	52
Aberdeen, ID	1319	08ARS509-1	2	43.1	92.4	51	79.7	2.0	1	13.8	5.19	38.4	131	106.1	382	241	45
Aberdeen, ID	1320	08ARS509-4	2	41.6	92.3	57	80.0	2.2	1	13.4	5.16	41.3	148	88.1	385	288	54
Aberdeen, ID	1321	08ARS510-2	2	43.0	95.3	63	81.4	2.7	1	12.2	5.40	44.8	118	104.2	319	304	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Aberdeen, ID	1322	08ARS510-3	2	41.1	92.6	58	81.2	2.2	1	12.3	5.02	42.3	113	100.4	456	284	59
Aberdeen, ID	1323	08ARS513-1	2	42.1	95.0	62	80.0	2.2	1	14.2	5.47	40.8	124	98.3	451	319	50
Aberdeen, ID	1324	08ARS513-4	2	40.4	90.3	46	79.5	2.3	1	13.6	5.76	44.7	99	108.8	123	318	41
Aberdeen, ID	1325	08ARS514-1	2	44.2	96.0	60	81.8	2.3	1	11.7	5.13	44.8	131	104.9	201	243	63
Aberdeen, ID	1326	08ARS514-2	2	42.6	94.0	62	80.2	2.7	1	13.6	5.91	45.5	167	106.3	176	330	46
Aberdeen, ID	1327	08ARS514-3	2	45.4	97.0	63	82.5	2.6	1	12.2	5.29	44.7	118	102.7	252	295	60
Aberdeen, ID	1328	08ARS514-5	2	40.8	95.6	62	82.4	2.1	1	12.5	5.04	42.5	161	98.3	232	261	62
Aberdeen, ID	1329	08ARS515-1	2	42.0	93.9	72	81.8	2.6	1	12.5	5.65	46.0	133	101.0	192	313	58
Aberdeen, ID	1330	08ARS516-2	2	38.5	89.7	49	81.1	2.5	1	13.9	5.66	42.0	180	107.0	129	318	47
Aberdeen, ID	1331	08ARS517-4	2	39.8	93.1	69	79.4	2.0	1	13.4	4.90	37.6	123	85.9	320	254	47
Aberdeen, ID	1332	08ARS525-4	2	42.6	94.7	56	80.3	2.7	1	14.3	5.82	42.9	190	109.4	197	316	46
Aberdeen, ID	1333	08ARS525-5	2	41.4	92.7	55	80.9	2.5	1	13.4	5.77	45.5	157	83.3	42	325	57
Aberdeen, ID	1334	08ARS525-7	2	40.6	93.3	57	81.2	2.5	1	12.2	5.53	48.3	111	99.8	215	312	54
Aberdeen, ID	1335	08ARS526-4	2	43.3	96.1	59	81.4	2.3	1	13.6	5.65	44.9	179	101.7	230	311	49
Aberdeen, ID	1336	08ARS528-5	2	41.5	95.5	66	79.9	2.5	1	13.4	5.68	44.0	188	96.4	365	313	50
Aberdeen, ID	1337	08ARS531-1	2	39.8	94.2	62	79.3	2.1	1	15.0	5.49	38.3	190	103.0	232	322	39
Aberdeen, ID	1338	08ARS531-2	2	40.2	94.1	59	77.1	1.7	1	15.1	5.09	35.3	205	82.3	528	251	37
	1339	CONRAD MALT CHECK	2	40.6	97.0	52	81.5	2.3	1	12.9	5.29	43.4	134	91.0	179	309	62
Aberdeen, ID	1340	09ARS693-2	2	40.1	91.5	60	81.8	2.3	1	12.0	5.10	43.2	141	95.1	370	289	62
Aberdeen, ID	1341	Charles	2	38.0	91.3	74	80.4	1.7	1	12.5	4.78	39.6	153	89.4	224	268	52
Aberdeen, ID	1342	Endeavor	2	35.6	81.2	79	80.0	1.8	1	11.2	4.32	39.6	163	91.1	270	219	41
Aberdeen, ID	1343	Wintmalt	2	38.4	90.0	91	79.8	2.1	2	10.3	3.77	38.0	121	45.3	231	132	31
Aberdeen, ID	1344	02Ab669	2	37.0	88.0	80	82.3	1.8	1	10.7	4.64	46.2	121	87.4	54	242	58
Aberdeen, ID	1345	06ARS505-2	2	33.2	77.1	74	80.2	1.9	1	12.5	4.57	38.7	156	92.3	120	247	48
Aberdeen, ID	1346	08ARS505-4	2	37.6	83.2	77	81.1	2.2	1	10.1	4.48	46.8	124	96.3	228	242	48
Aberdeen, ID	1347	06ARS557-18	2	38.1	93.2	76	81.2	2.2	1	11.0	4.47	41.4	147	100.1	321	232	55
Aberdeen, ID	1348	08ARS601-11	2	34.4	83.9	84	81.5	2.1	1	10.7	4.49	43.6	119	81.1	85	236	52
Aberdeen, ID	1349	08ARS624-14	2	30.9	72.2	78	80.2	1.8	1	12.1	4.30	37.2	151	84.4	245	204	41
Aberdeen, ID	1350	08ARS632-17	2	35.5	93.2	74	81.5	2.0	1	11.5	4.69	41.8	160	84.4	55	244	65
Aberdeen, ID	1351	08ARS632-5	2	39.0	94.9	70	81.7	2.3	1	11.6	4.80	42.7	141	81.2	33	254	67
Filer, ID	1352	Charles	2	41.6	95.4	68	81.0	2.6	1	13.7	5.30	41.1	132	94.6	706	310	49
Filer, ID	1353	Endeavor	2	41.1	94.3	66	80.7	2.3	1	12.1	5.01	42.6	130	89.6	424	278	59
Filer, ID	1354	Wintmalt	2	44.8	97.8	77	79.2	1.9	1	13.2	4.47	34.6	194	55.9	164	207	47
Filer, ID	1355	02Ab669	2	42.5	95.4	62	81.6	2.4	1	12.9	5.31	43.2	131	101.9	225	292	63
Filer, ID	1356	06ARS505-2	2	38.8	94.2	65	81.2	2.4	1	12.9	5.17	41.4	181	103.5	344	288	60
Filer, ID	1357	08ARS505-4	2	43.5	96.1	61	81.8	2.8	1	12.7	5.39	44.1	115	107.0	302	331	60
Filer, ID	1358	06ARS557-18	2	42.7	95.7	69	80.9	2.3	1	12.9	5.16	41.9	166	115.1	747	291	60
Filer, ID	1359	08ARS601-11	2	41.3	95.1	72	81.6	2.7	1	11.9	5.21	45.7	104	89.9	249	299	59
Filer, ID	1360	08ARS624-14	2	37.4	92.8	71	80.6	2.0	1	13.0	4.79	38.4	153	97.4	638	246	50
Filer, ID	1361	08ARS632-17	2	42.3	97.2	70	81.8	3.8	1	14.0	6.06	44.0	167	88.6	137	336	49
Filer, ID	1362	08ARS632-5	2	42.4	95.7	62	81.0	3.1	1	13.7	5.92	44.0	138	78.7	134	335	49
Aberdeen, ID	1363	Charles	2	37.9	90.7	75	81.1	2.1	1	11.9	4.82	40.7	133	75.7	295	251	58
Aberdeen, ID	1364	Endeavor	2	36.2	88.2	74	80.9	1.9	1	10.9	4.38	40.5	129	75.4	369	221	44
Aberdeen, ID	1365	Wintmalt	2	37.8	87.7	90	78.7	2.2	2	10.9	3.98	37.6	128	42.0	286	157	24
Aberdeen, ID	1366	02Ab669	2	34.5	82.2	85	81.7	1.9	1	10.5	4.47	44.2	132	91.5	46	239	55
Aberdeen, ID	1367	Lightning	2	40.2	94.8	83	82.3	2.3	1	10.3	4.41	44.1	128	77.7	34	268	64
Aberdeen, ID	1368	05ARS518-24	2	35.8	80.4	82	80.2	1.9	1	10.5	4.23	43.4	123	80.5	276	232	41
Aberdeen, ID	1369	05ARS561-208	2	31.7	70.7	87	79.9	1.9	1	10.6	4.26	41.0	138	82.5	138	227	44
	1370	CONRAD MALT CHECK	2	40.2	97.5	52	81.9	2.3	1	12.8	5.22	42.9	159	93.4	171	292	62
Aberdeen, ID	1371	06ARS617-25	2	34.0	84.1	74	81.9	2.2	1	11.1	4.63	43.7	183	101.1	58	254	60
Aberdeen, ID	1372	06ARS633-3	2	34.5	75.5	76	79.8	1.9	1	11.0	4.40	41.7	124	90.0	180	221	41
Aberdeen, ID	1373	07ARS515-7	2	30.8	74.2	75	80.6	1.7	1	11.9	4.66	40.8	162	90.6	123	239	53
Aberdeen, ID	1374	07ARS518-13	2	38.9	89.5	71	82.4	2.3	1	10.6	4.52	44.8	150	92.5	44	249	60
Aberdeen, ID	1375	07ARS520-19	2	36.3	80.5	77	81.8	1.8	1	10.5	4.36	43.0	151	99.5	263	230	44
Filer, ID	1376	Charles	2	42.8	94.2	67	81.1	2.3	1	12.9	5.15	41.2	144	92.2	281	266	63

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Filer, ID	1377	Endeavor	2	41.2	92.4	63	80.1	2.4	1	13.2	5.12	41.5	143	94.4	272	305	54
Filer, ID	1378	Wintmalt	2	43.9	96.7	73	79.6	2.5	2	12.8	4.31	35.5	175	54.8	240	180	45
Filer, ID	1379	02Ab669	2	41.2	93.6	68	81.7	1.8	1	11.8	4.77	43.4	136	100.9	185	247	62
Filer, ID	1380	Lightning	2	41.7	94.5	70	80.6	2.0	1	13.5	4.87	38.0	163	84.3	228	273	44
Filer, ID	1381	05ARS518-24	2	40.2	88.9	71	79.5	2.0	1	13.0	4.99	39.9	146	100.9	387	276	47
Filer, ID	1382	05ARS561-208	2	35.8	80.9	67	80.3	1.8	1	12.7	4.82	40.4	147	98.2	256	242	50
Filer, ID	1383	06ARS617-25	2	37.9	92.5	65	80.6	2.0	1	13.3	5.14	41.7	172	107.8	206	297	50
Filer, ID	1384	06ARS633-3	2	39.4	89.8	63	79.4	2.0	1	13.3	4.90	38.6	125	90.6	483	260	45
Filer, ID	1385	07ARS515-7	2	36.9	89.9	63	80.4	1.9	1	13.8	5.19	38.3	168	95.3	271	295	38
Filer, ID	1386	07ARS518-13	2	44.7	95.8	61	82.2	2.6	1	12.7	5.46	46.0	183	101.7	79	326	70
Filer, ID	1387	07ARS520-19	2	40.9	91.7	57	80.9	2.1	1	12.8	5.17	43.3	155	96.0	447	293	59
Oakley, ID	1388	Charles	2	36.1	91.3	66	81.5	1.9	1	12.0	4.79	43.1	163	91.2	353	272	58
Oakley, ID	1389	Endeavor	2	36.5	87.0	73	81.3	1.7	1	11.8	4.54	40.2	152	89.1	364	235	56
Oakley, ID	1390	Wintmalt	2	40.6	93.5	78	79.4	1.6	1	13.7	4.34	33.1	212	54.0	324	193	40
Oakley, ID	1391	02Ab669	2	38.6	92.4	65	82.3	1.7	1	12.4	4.76	41.1	148	101.1	303	267	60
Oakley, ID	1392	Lightning	2	36.9	91.4	62	80.2	2.0	1	15.1	5.18	35.5	187	81.6	253	298	40
Oakley, ID	1393	05ARS518-24	2	37.8	88.0	72	79.7	1.6	1	13.2	4.70	38.0	178	92.4	539	250	43
Oakley, ID	1394	05ARS561-208	2	34.5	85.4	63	80.2	2.2	1	14.2	5.28	37.2	172	101.8	321	254	38
Oakley, ID	1395	06ARS617-25	2	35.2	87.9	69	79.9	2.4	1	13.1	5.28	43.4	185	106.9	228	228	48
Oakley, ID	1396	06ARS633-3	2	35.5	85.4	63	81.3	2.2	1	13.9	4.94	38.1	142	100.7	432	237	41
Oakley, ID	1397	07ARS515-7	2	33.7	88.2	70	79.6	2.2	1	13.4	5.15	39.2	178	105.1	266	227	43
Oakley, ID	1398	07ARS518-13	2	40.0	94.5	63	81.0	2.8	1	13.6	5.60	43.0	227	103.0	152	283	52
Oakley, ID	1399	07ARS520-19	2	38.1	84.5	66	81.3	2.0	1	12.3	4.86	41.3	171	95.7	573	248	55
Soda Springs, ID	1400	Charles	2	32.4	78.9	89	81.1	1.8	1	11.8	4.38	40.1	142	77.2	199	214	49
	1401	CONRAD MALT CHECK	2	40.3	97.9	53	82.7	2.6	1	12.9	5.17	43.3	137	94.6	122	283	65
Soda Springs, ID	1402	Endeavor	2	32.5	80.2	73	81.9	2.0	1	14.3	4.62	33.4	163	88.7	214	221	38
Soda Springs, ID	1403	Wintmalt	2	36.4	88.7	89	80.7	3.5	2	13.2	4.39	33.6	169	52.4	224	186	36
Soda Springs, ID	1404	02Ab669	2	33.4	87.1	88	80.5	1.7	1	12.5	4.43	37.2	147	77.7	113	208	51
Soda Springs, ID	1405	Lightning	2	34.8	91.7	85	80.5	2.0	1	12.3	4.61	37.5	155	84.6	88	229	57
Soda Springs, ID	1406	05ARS518-24	2	32.6	85.0	85	83.3	1.9	1	11.9	4.29	38.3	137	84.6	284	185	45
Soda Springs, ID	1407	05ARS561-208	2	30.5	74.6	90	81.3	1.5	1	12.3	4.19	35.3	148	78.1	139	164	42
Soda Springs, ID	1408	06ARS617-25	2	32.3	90.9	78	80.9	2.2	2	12.7	4.69	39.0	171	102.1	59	223	56
Soda Springs, ID	1409	06ARS633-3	2	34.0	83.6	88	82.5	1.7	1	12.5	4.22	35.9	137	91.0	211	161	39
Soda Springs, ID	1410	07ARS515-7	2	30.6	80.7	81	80.5	1.9	1	12.4	4.72	39.5	159	107.5	97	237	52
Soda Springs, ID	1411	07ARS518-13	2	35.9	94.3	79	82.0	2.5	1	12.2	4.76	40.2	164	92.7	61	250	65
Wooster, Ohio	1412	Tr2169 - 1	2	39.5	94.0	33	77.5	1.9	1	14.0	4.20	30.4	121	51.0	622	169	26
Wooster, Ohio	1413	Tr2169 - 2	2	40.0	95.3	36	76.4	n.d.	3	14.4	4.12	29.4	103	42.9	657	147	18
Wooster, Ohio	1414	Tr2169 - 3	2	35.2	79.4	28	76.3	1.9	1	14.1	4.48	31.9	136	58.9	619	166	23
Wooster, Ohio	1415	Tr2169 - 4	2	40.3	94.3	34	77.7	n.d.	3	12.3	3.93	33.8	122	40.0	705	140	30
Wooster, Ohio	1416	Tr2169 - 5	2	45.4	89.9	39	75.0	2.6	2	14.8	4.38	29.9	150	52.4	515	148	26
Wooster, Ohio	1417	Tr2169 - 6	2	39.5	91.7	46	74.6	2.2	2	16.3	4.56	28.1	151	48.0	632	158	26
Wooster, Ohio	1418	Tr2169 - 7	2	31.9	80.6	55	77.6	2.0	1	13.8	4.53	34.0	125	63.5	418	172	23
Wooster, Ohio	1419	Tr2169 - 8	2	38.7	94.1	48	77.4	n.d.	3	13.9	4.37	31.5	130	49.9	542	145	21
Wooster, Ohio	1420	Tr2169 - 9	2	39.4	95.6	43	77.8	2.4	2	14.2	4.59	32.5	134	61.0	380	170	29
Wooster, Ohio	1421	Tr2169 - 10	2	40.4	93.7	52	77.3	2.6	2	14.8	4.50	31.5	168	61.7	407	152	31
Wooster, Ohio	1422	Tr2169 - 11	2	42.5	93.9	37	77.3	1.9	1	16.0	5.28	34.5	152	68.2	378	214	38
Wooster, Ohio	1423	Tr2169 - 12	2	35.0	85.9	48	77.1	1.9	1	14.6	4.18	29.4	153	50.3	550	143	22
Wooster, Ohio	1424	Tr2169 - 13	2	37.6	92.7	42	78.7	n.d.	3	13.1	4.42	33.8	130	69.1	414	154	35
Wooster, Ohio	1425	Tr2169 - 14	2	41.6	95.1	50	78.7	2.8	2	12.6	4.51	36.6	125	55.7	434	153	45
Wooster, Ohio	1426	Tr2169 - 15	2	38.6	87.2	45	78.9	2.7	2	14.2	4.70	33.9	142	63.5	380	165	31
Wooster, Ohio	1427	Tr2169 - 16	2	30.1	71.0	44	78.2	2.0	1	13.4	4.21	33.8	117	54.4	324	145	25
Wooster, Ohio	1428	Tr2169 - 17	2	30.9	76.9	39	79.3	2.4	1	11.7	4.26	37.4	107	58.0	201	147	30
Wooster, Ohio	1429	Tr2169 - 18	2	29.3	67.5	45	79.1	2.5	2	11.2	4.12	36.9	120	63.7	284	145	32
Wooster, Ohio	1430	Tr2169 - 19	2	35.9	89.9	47	77.0	2.4	2	13.7	4.30	33.4	141	64.5	332	148	21
Wooster, Ohio	1431	Tr2169 - 20	2	40.4	92.1	42	76.5	2.7	2	15.1	4.29	29.5	127	51.9	606	134	27

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
	1432	CONRAD MALT CHECK	2	40.3	97.2	53	81.7	2.3	1	12.5	5.25	44.2	134	101.9	119	241	65
Wooster, Ohio	1433	Tr2169 - 21	2	35.0	84.5	40	77.2	1.8	1	13.4	4.17	31.8	113	48.2	325	141	18
Wooster, Ohio	1434	Tr2169 - 22	2	33.0	78.5	28	76.4	1.9	1	13.8	4.01	30.5	104	47.4	688	135	13
Wooster, Ohio	1435	Tr2169 - 23	2	38.4	85.7	46	75.5	1.9	1	14.3	4.55	32.2	110	50.4	430	176	25
Wooster, Ohio	1436	Tr2169 - 24	2	34.6	83.9	31	76.9	1.9	1	14.0	4.08	29.3	102	46.5	624	138	13
Wooster, Ohio	1437	Tr2169 - 25	2	34.2	62.9	42	75.1	2.3	2	13.7	4.19	31.5	120	53.5	582	149	15
Wooster, Ohio	1438	Tr2169 - 26	2	37.8	87.8	35	76.5	3.1	2	14.3	4.22	30.0	102	57.2	595	153	18
Wooster, Ohio	1439	Tr2169 - 27	2	40.6	94.6	46	78.5	n.d.	3	13.5	4.50	33.5	96	55.6	625	170	27
Wooster, Ohio	1440	Tr2169 - 28	2	38.1	89.4	29	78.3	1.9	1	13.2	4.60	35.1	93	52.3	452	178	30
Wooster, Ohio	1441	Tr2169 - 29	2	32.3	74.6	36	78.0	n.d.	3	13.1	4.21	32.6	102	67.5	497	160	23
Wooster, Ohio	1442	Tr2169 - 30	2	38.5	88.8	33	76.9	2.3	2	13.4	3.81	28.6	80	44.6	686	129	15
Wooster, Ohio	1443	Tr2169 - 31	2	40.7	94.1	39	78.4	2.5	2	13.2	4.25	32.3	110	54.6	600	155	33
Wooster, Ohio	1444	Tr2169 - 32	2	38.7	94.3	43	77.7	2.6	2	13.1	4.40	34.1	134	52.8	631	145	30
Wooster, Ohio	1445	Tr2169 - 33	2	31.3	73.3	39	76.7	n.d.	3	14.1	4.40	31.5	117	63.7	485	153	18
Wooster, Ohio	1446	Tr2169 - 34	2	30.8	77.2	47	78.8	2.7	2	11.9	4.02	33.7	80	49.2	347	140	22
Wooster, Ohio	1447	Tr2169 - 35	2	40.2	82.6	47	78.1	n.d.	3	13.5	4.43	34.9	136	66.3	438	166	34
Wooster, Ohio	1448	Tr2169 - 36	2	39.0	93.9	38	77.4	2.5	2	13.7	4.23	31.6	139	53.6	523	151	25
Wooster, Ohio	1449	Tr2169 - 37	2	38.0	90.4	47	76.6	n.d.	3	14.2	4.06	29.9	122	53.2	540	142	24
Wooster, Ohio	1450	Tr2169 - 38	2	34.6	81.2	47	75.8	2.0	1	13.9	4.22	30.6	131	52.2	648	148	19
McGregor, Texas	1451	MW09S4076_001	6	31.1	89.8	14	76.4	3.6	1	15.9	6.73	43.0	190	99.4	281	348	35
McGregor, Texas	1452	2011_Short_13	6	28.4	70.6	23	75.6	5.4	1	17.7	7.14	42.6	202	105.3	141	395	31
McGregor, Texas	1453	08AB_54	6	33.2	88.2	43	80.1	3.1	2	14.0	5.52	42.3	148	85.5	47	280	64
McGregor, Texas	1454	Alba_1	6	33.8	77.7	14	78.2	3.6	1	14.7	5.69	40.5	135	95.1	148	288	40
McGregor, Texas	1455	2011_F5_113_2	6	25.8	45.9	35	75.5	5.0	1	12.7	5.83	47.7	138	107.9	72	298	38
McGregor, Texas	1456	OR108	6	27.5	48.5	29	76.8	4.0	1	12.7	5.08	41.3	140	88.9	243	238	34
McGregor, Texas	1457	MW10S4118_003	6	32.2	90.6	26	78.1	3.0	1	11.4	4.93	44.1	136	71.3	222	240	45
McGregor, Texas	1458	2011_F5_37_3	6	29.7	68.7	21	76.3	4.0	1	13.6	5.27	41.2	166	78.5	411	241	35
McGregor, Texas	1459	2011_F5_124_1	6	28.8	66.2	36	76.5	3.7	1	12.2	4.94	41.0	118	83.3	266	226	29
McGregor, Texas	1460	2011_F5_23_1	6	27.2	64.8	31	76.9	3.2	1	12.6	4.95	40.3	149	90.1	226	232	34
McGregor, Texas	1461	2011_Short_16	6	28.1	71.7	30	77.3	3.8	1	12.6	5.29	42.9	135	86.4	233	266	42
McGregor, Texas	1462	2011_F5_91_1	6	27.5	61.2	32	78.8	3.2	2	10.8	4.36	41.0	141	66.7	350	197	30
	1463	LACEY MALT CHECK	6	32.4	88.2	42	79.9	2.6	1	13.6	5.65	44.5	163	97.0	35	300	65
McGregor, Texas	1464	2011_F5_126_2	6	27.8	67.6	33	76.9	3.6	1	12.1	5.04	42.2	146	85.4	360	241	39
McGregor, Texas	1465	OR106	6	24.9	51.6	29	75.5	3.6	1	13.1	5.23	41.6	204	79.1	265	269	38
McGregor, Texas	1466	2011_F5_112_1	6	28.4	65.4	33	76.6	4.0	1	11.9	5.09	45.1	136	86.8	312	256	38
McGregor, Texas	1467	06OR_10	6	26.7	54.3	27	77.4	3.4	1	13.0	5.33	44.0	162	90.6	169	282	46
McGregor, Texas	1468	2011_F5_135_4	6	28.3	59.5	15	76.3	3.2	1	11.6	4.91	44.8	107	72.9	132	241	37
McGregor, Texas	1469	2011_F5_22_3	6	31.4	83.6	34	78.6	3.0	1	12.0	4.92	43.1	132	82.0	270	239	52
McGregor, Texas	1470	2011_F5_112_3	6	28.3	68.4	33	76.8	4.3	1	12.8	5.39	43.5	150	91.0	324	271	45
McGregor, Texas	1471	2011_F5_121_5	6	29.0	69.7	35	76.1	3.5	1	11.5	4.93	43.0	124	79.9	326	234	38
McGregor, Texas	1472	2011_F5_5_1	6	30.5	83.1	40	78.4	2.9	1	11.0	4.74	45.8	140	75.8	330	236	44
McGregor, Texas	1473	MW09S4076_001	6	32.0	92.6	18	76.7	2.8	1	12.9	5.65	44.9	188	91.2	329	290	52
McGregor, Texas	1474	OBADV11_13	6	30.7	75.5	31	76.9	2.9	1	13.0	4.98	39.1	198	69.4	273	224	41
McGregor, Texas	1475	06OR_44	6	27.6	66.3	32	76.9	3.9	1	12.2	5.21	44.6	159	91.1	211	254	43
McGregor, Texas	1476	2011_F5_105_3	6	26.6	57.9	31	76.6	5.1	1	12.8	5.38	43.7	157	105.7	141	265	46
McGregor, Texas	1477	Full_Pint_2	6	27.8	67.8	20	76.6	3.3	1	12.9	5.08	39.5	170	82.4	235	243	34
McGregor, Texas	1478	PO71DH_87	6	27.0	66.9	20	77.6	4.2	1	12.6	5.09	42.8	161	89.7	185	235	39
McGregor, Texas	1479	2011_F5_37_3	6	30.2	74.1	16	77.0	4.4	1	12.1	5.21	44.9	175	85.2	376	250	50
McGregor, Texas	1480	MW10S4118_004	6	34.1	91.8	22	79.1	3.0	1	12.8	5.40	43.0	216	86.9	226	262	63
McGregor, Texas	1481	2011_Short_11	6	29.0	78.2	24	78.8	3.7	1	11.7	5.11	46.1	156	91.8	142	252	54
McGregor, Texas	1482	2011_F5_121_1	6	30.7	68.3	28	76.5	4.1	1	12.0	4.86	42.5	137	76.0	377	222	40
McGregor, Texas	1483	2011_F5_108_1	6	32.1	81.0	26	77.9	4.2	1	12.5	5.14	42.3	145	86.6	453	241	53
McGregor, Texas	1484	OR108	6	30.1	62.1	33	77.1	3.0	1	11.8	4.68	40.3	154	77.1	379	214	35
McGregor, Texas	1485	2011_F5_52_2	6	29.1	71.6	22	77.5	3.3	1	13.7	5.15	39.6	190	68.8	390	258	31
McGregor, Texas	1486	2011_F5_126_2	6	30.7	83.4	29	78.0	3.8	1	11.3	4.95	44.4	141	85.1	316	235	47

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McGregor, Texas	1487	2011_F5_36_2	6	31.7	80.5	17	76.0	3.7	1	12.0	5.02	43.8	179	75.1	432	209	48
McGregor, Texas	1488	2011_F5_59_1	6	32.0	74.8	27	77.6	4.7	1	11.9	5.20	45.4	140	88.0	329	223	43
Wooster, Ohio	1489	PRGF-006	2	32.2	70.4	31	81.4	3.0	1	14.2	6.27	46.6	189	116.2	99	345	43
Wooster, Ohio	1490	PRGF-007	2	28.8	71.5	45	80.9	2.4	1	12.3	5.12	43.8	168	92.9	154	260	50
Wooster, Ohio	1491	PRGF-008	2	37.1	85.5	21	80.3	2.9	1	13.6	6.12	47.9	175	113.2	127	332	34
Wooster, Ohio	1492	PRGF-009	2	34.2	84.7	48	78.3	1.7	1	13.2	4.49	34.7	179	68.1	245	168	32
Wooster, Ohio	1493	PRGF-010	2	32.4	81.9	54	78.2	1.9	1	11.8	4.36	38.4	156	59.0	287	165	33
	1494	CONRAD MALT CHECK	2	39.6	96.9	51	82.2	2.1	1	12.6	5.43	45.5	152	93.6	135	283	63
Wooster, Ohio	1495	PRGF-011	2	35.3	78.9	43	76.9	2.6	1	14.1	5.68	41.9	186	97.0	386	288	29
Wooster, Ohio	1496	PRGF-012	2	43.0	88.4	54	81.0	2.3	1	13.6	5.52	42.8	182	96.4	391	263	48
Wooster, Ohio	1497	PRGF-013	2	36.5	85.6	51	78.7	2.1	1	15.1	5.50	37.0	192	104.9	214	266	35
Wooster, Ohio	1498	PRGF-014	2	32.0	85.5	44	78.1	1.6	1	13.3	4.24	32.6	180	76.6	506	160	31
Wooster, Ohio	1499	PRGF-015	2	34.5	83.2	51	80.7	2.1	1	12.9	4.77	39.9	154	68.7	313	231	45
Wooster, Ohio	1500	PRGF-016	2	42.8	96.2	54	79.2	1.9	2	12.6	4.13	34.3	151	46.3	471	157	39
Wooster, Ohio	1501	PRGF-017	2	36.9	86.7	68	78.3	1.8	1	12.8	4.05	33.7	150	51.2	495	152	36
Wooster, Ohio	1502	PRGF-018	2	40.9	94.0	37	76.6	2.0	1	15.4	4.41	29.3	109	50.8	475	142	29
Wooster, Ohio	1503	PRGF-020	2	33.9	86.7	55	79.4	1.7	1	12.5	4.19	34.0	113	45.8	389	141	30
Wooster, Ohio	1504	PRGF-019	2	34.7	85.4	64	78.7	n.d.	3	13.3	4.64	36.3	149	72.1	553	224	38
Wooster, Ohio	1505	PRGF-021	2	35.9	90.3	52	80.0	n.d.	3	10.7	3.79	36.6	90	31.9	304	118	17
Wooster, Ohio	1506	PRGF-029	2	28.3	66.4	53	76.9	2.2	2	13.1	4.13	31.6	109	36.1	572	165	13
Wooster, Ohio	1507	PRGF-030	2	31.9	81.8	50	76.1	2.1	2	14.4	4.41	31.3	158	40.2	433	171	19
Wooster, Ohio	1508	PRGF-031	2	38.2	88.0	50	77.1	n.d.	3	13.6	4.25	32.1	147	37.4	605	139	15
Wooster, Ohio	1509	PRGF-032	6	31.6	83.6	48	77.8	n.d.	3	12.7	4.22	33.3	103	37.2	473	137	23
Wooster, Ohio	1510	PRGF-033	6	27.3	62.4	46	76.7	2.5	2	11.5	4.04	35.1	103	39.7	521	154	11
Wooster, Ohio	1511	PRGF-034	6	27.0	61.4	55	76.2	n.d.	3	11.7	4.14	37.1	110	34.9	570	138	10
Wooster, Ohio	1512	PRGF-036	2	34.3	81.6	47	77.5	n.d.	3	13.0	4.54	36.2	150	51.7	376	173	26
Wooster, Ohio	1513	PRGF-037	2	33.5	82.9	40	78.1	n.d.	3	13.2	4.44	35.3	147	59.5	404	164	30
Wooster, Ohio	1514	PRGF-039	2	37.4	89.8	36	75.8	2.1	2	14.6	4.72	34.9	187	53.9	370	186	28
Wooster, Ohio	1515	PRGF-047	2	28.6	73.2	35	77.6	n.d.	3	12.6	3.95	32.3	112	40.2	503	131	18
Wooster, Ohio	1516	PRGF-051	2	36.2	92.8	51	79.2	1.7	1	12.7	4.42	36.0	126	37.3	406	155	35
Wooster, Ohio	1517	PRGF-056	2	37.2	91.1	67	79.3	2.1	2	11.5	3.85	34.1	85	29.3	445	119	20
Wooster, Ohio	1518	PRGF-057	2	35.7	92.4	48	78.3	n.d.	3	12.3	4.07	33.5	139	44.9	478	130	33
Wooster, Ohio	1519	PRGF-059	6	29.0	73.9	44	75.6	n.d.	3	11.1	3.43	33.2	45	33.8	711	94	10
Bozeman, MT	1520	2 - Conrad	2	39.3	99.9	80	77.6	1.4	1	15.4	4.82	32.1	200	85.3	376	193	35
Bozeman, MT	1521	4 - Harrington	2	41.6	99.9	84	80.3	1.5	1	13.5	4.76	35.4	163	81.0	384	194	49
Bozeman, MT	1522	7 - Hockett	2	46.2	99.9	89	80.2	1.2	1	14.3	4.65	33.8	227	89.4	322	193	45
Bozeman, MT	1523	9 - Metcalfe	2	41.5	99.9	85	80.2	1.5	1	14.4	4.94	35.7	210	97.6	145	218	47
Bozeman, MT	1524	10 - Scarlett	2	38.2	97.6	70	79.3	n.d.	3	14.0	3.94	28.8	129	55.8	523	128	25
	1525	CONRAD MALT CHECK	2	39.7	97.3	54	82.5	2.2	1	12.2	5.48	46.9	151	89.2	236	256	60
Bozeman, MT	1526	13 - UTSB10902-91	2	44.7	99.9	77	76.4	1.3	1	13.1	3.47	27.6	118	32.4	653	112	21
Bozeman, MT	1527	14 - UTSB10905-72	2	44.0	99.8	87	76.0	1.6	2	13.1	3.55	27.3	95	30.8	706	109	16
Bozeman, MT	1528	15 - UTSB10905-91	2	40.3	99.8	80	77.9	1.3	2	13.3	3.53	27.2	118	33.6	708	102	19
Bozeman, MT	1529	16 - 11WA-107.58	2	44.0	99.9	73	78.0	1.3	2	13.7	3.85	28.4	113	42.7	597	120	23
Bozeman, MT	1530	17 - 12WA-120.14	2	47.3	99.9	86	79.7	1.4	1	13.6	4.48	34.1	148	61.2	346	175	40
Bozeman, MT	1531	18 - 12WA-120.17	2	47.6	99.9	78	77.9	1.4	1	14.8	4.45	30.6	167	57.9	394	173	33
Bozeman, MT	1532	19 - 2B10-4162	2	39.8	90.0	91	79.9	1.3	1	14.1	4.82	34.8	184	84.9	101	208	45
Bozeman, MT	1533	20 - 2B11-4949	2	42.2	99.9	80	81.7	1.8	1	13.4	5.05	38.6	176	83.0	141	224	56
Bozeman, MT	1534	21 - 2B11-5166	2	41.8	99.8	81	81.3	2.0	1	13.7	5.43	40.9	167	101.8	173	254	52
Bozeman, MT	1535	22 - MT050051	2	44.8	99.7	89	76.7	1.4	2	14.0	3.62	27.5	111	37.7	684	105	15
Bozeman, MT	1536	23 - MT050059	2	42.3	99.9	80	76.4	n.d.	3	14.5	3.72	26.9	116	41.5	562	111	18
Bozeman, MT	1537	24 - MT050169	2	44.3	99.8	86	75.9	1.2	1	14.0	4.05	29.0	148	47.0	501	122	26
Bozeman, MT	1538	25 - MT070043	2	42.3	99.8	69	77.8	1.6	1	15.2	4.80	32.1	146	66.1	336	221	38
Bozeman, MT	1539	26 - MT070144	2	41.5	99.9	82	78.0	1.2	2	13.3	3.69	28.0	137	52.5	553	109	33
Bozeman, MT	1540	27 - MT080192	2	43.7	99.8	77	77.5	1.7	2	13.7	3.86	28.8	145	37.1	625	114	18
Bozeman, MT	1541	28 - MT080256	2	42.1	99.8	84	76.9	1.2	1	14.0	3.80	27.5	126	37.7	600	109	19

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	1542	29 - MT080351	2	48.8	99.9	81	77.4	1.8	2	14.8	4.08	28.8	70	42.6	822	131	18
Bozeman, MT	1543	30 - MT090025	2	33.0	90.4	88	80.5	n.d.	3	11.3	3.93	37.0	117	62.2	553	146	33
Bozeman, MT	1544	31 - MT090169	2	42.3	99.8	78	79.7	1.4	1	13.0	4.45	35.4	130	77.9	295	174	50
Bozeman, MT	1545	32 - MT090184	2	44.1	100.0	74	78.4	1.5	1	12.8	4.32	33.8	178	54.5	410	150	43
Bozeman, MT	1546	33 - MT090202	2	44.0	99.9	78	79.1	1.4	1	13.4	4.32	33.6	202	57.5	422	158	38
Bozeman, MT	1547	34 - MT090234	2	45.1	99.9	76	77.9	1.4	2	13.7	4.00	31.0	155	47.0	457	115	25
Bozeman, MT	1548	35 - MT090236	2	43.9	99.9	83	80.0	1.4	1	12.9	4.71	38.4	135	78.3	439	196	55
Bozeman, MT	1549	41 - MT124001	2	45.5	99.9	70	79.6	1.3	1	13.7	4.61	34.3	171	80.7	335	180	43
Bozeman, MT	1550	42 - MT124007	2	45.6	99.8	75	80.5	1.4	1	13.5	4.65	36.2	173	81.9	251	187	43
Bozeman, MT	1551	43 - MT124008	2	46.0	99.7	70	79.1	1.4	1	13.9	4.92	35.5	190	81.8	324	201	42
Bozeman, MT	1552	44 - MT124015	2	47.6	99.9	66	78.8	1.5	1	14.2	4.90	34.7	204	80.4	374	189	40
Bozeman, MT	1553	45 - MT124018	2	48.1	100.0	74	79.9	1.7	1	13.1	4.70	37.1	142	63.5	292	183	48
Bozeman, MT	1554	46 - MT124025	2	46.5	99.9	73	78.6	1.4	1	14.5	4.85	35.1	204	76.3	372	199	42
Bozeman, MT	1555	47 - MT124026	2	46.5	99.9	66	79.4	1.4	1	13.6	4.69	35.7	188	75.2	331	178	40
	1556	CONRAD MALT CHECK	2	40.8	97.4	54	81.6	2.6	1	12.6	5.60	47.0	129	86.5	149	280	56
Bozeman, MT	1557	48 - MT124027	2	43.5	99.9	74	79.0	1.6	1	14.0	4.77	35.3	154	81.6	318	196	42
Bozeman, MT	1558	49 - MT124071	2	46.0	99.8	69	77.1	1.2	1	12.8	4.17	33.3	196	82.7	435	132	39
Bozeman, MT	1559	50 - MT124093	2	47.5	100.0	72	80.5	1.5	1	14.6	4.73	32.5	199	53.5	202	193	45
Bozeman, MT	1560	51 - MT124113	2	51.2	99.9	81	81.2	2.2	1	12.9	5.19	42.8	147	99.6	150	234	66
Bozeman, MT	1561	52 - MT124127	2	43.8	100.0	76	79.3	1.6	1	14.2	5.02	36.4	192	101.9	126	232	45
Bozeman, MT	1562	53 - MT124128	2	49.8	100.0	80	82.2	2.1	1	12.1	5.27	44.7	121	103.8	135	263	66
Bozeman, MT	1563	54 - MT124134	2	48.7	100.0	75	82.0	2.3	2	12.6	5.16	43.9	132	104.1	140	259	65
Bozeman, MT	1564	55 - MT124148	2	39.5	99.4	62	75.6	1.5	1	13.9	3.77	28.3	114	43.7	464	133	17
Bozeman, MT	1565	56 - MT124163	2	42.1	99.9	75	77.9	1.5	1	13.5	4.24	33.3	106	68.6	347	167	26
Bozeman, MT	1566	57 - MT124164	2	39.5	99.6	75	78.9	1.4	1	11.9	3.93	35.4	76	54.1	342	142	30
Bozeman, MT	1567	58 - MT124361	2	43.8	100.0	82	78.3	1.5	1	14.0	4.80	36.2	207	88.5	292	217	42
Bozeman, MT	1568	59 - MT124370	2	42.5	99.9	78	78.6	1.6	1	13.1	4.70	37.8	183	88.6	254	160	42
Bozeman, MT	1569	60 - MT124380	2	42.4	99.7	79	78.6	1.7	1	13.0	4.72	37.0	171	93.7	262	174	47
Bozeman, MT	1570	61 - MT124601	2	43.1	99.9	76	77.8	1.6	2	12.8	3.97	31.8	177	53.9	580	106	35
Bozeman, MT	1571	62 - MT124659	2	44.6	100.0	75	79.4	1.7	1	12.9	4.69	38.4	148	59.6	211	168	50
Bozeman, MT	1572	63 - MT124664	2	44.4	99.9	81	80.5	2.4	1	13.1	5.62	42.9	138	94.6	147	245	54
Bozeman, MT	1573	64 - MT124677	2	44.6	99.9	83	80.7	2.4	1	13.7	5.48	42.3	165	103.1	178	249	50
Bozeman, MT	1574	1 - Balster	2	39.8	97.8	86	83.5	1.9	1	13.8	4.70	36.1	179	102.1	110	184	46
Bozeman, MT	1575	3 - Copeland	2	43.4	99.9	78	78.4	1.5	1	14.3	4.64	34.0	207	86.2	57	198	49
Bozeman, MT	1576	4 - Genie	2	43.2	99.9	73	79.6	2.0	1	13.2	4.15	31.8	173	50.1	67	151	48
Bozeman, MT	1577	5 - Growler	2	42.7	99.9	88	79.1	1.7	1	13.9	4.56	33.1	188	98.3	133	202	45
Bozeman, MT	1578	6 - Harrington	2	42.8	99.9	80	79.2	1.4	1	14.4	4.57	33.3	169	82.7	334	212	42
Bozeman, MT	1579	8 - Hockett	2	47.5	99.9	86	79.7	1.4	1	13.3	4.21	32.7	173	77.0	296	148	41
Bozeman, MT	1580	9 - Metcalfe	2	41.3	99.9	92	80.1	1.8	1	14.5	4.93	35.3	187	101.8	47	213	51
Bozeman, MT	1581	10 - Odyssey	2	43.5	99.9	77	79.0	1.5	1	13.6	3.62	27.7	127	44.7	190	105	27
Bozeman, MT	1582	11 - Overature	2	43.1	99.9	67	80.5	2.3	1	13.4	4.60	34.0	170	70.7	74	200	57
Bozeman, MT	1583	13 - Synergy	2	44.6	99.7	82	80.7	1.8	1	13.4	4.71	36.8	163	90.1	36	194	57
Bozeman, MT	1584	15 - Westminster	2	42.2	99.9	65	79.3	1.6	1	14.6	4.22	29.6	151	70.1	89	171	40
Bozeman, MT	1585	16 - 08AB012-79	2	43.7	99.9	79	80.8	1.7	1	13.5	4.82	35.9	168	99.7	167	227	45
Bozeman, MT	1586	17 - 08ARS028-20	2	44.6	99.9	82	78.6	1.6	1	13.7	4.29	32.0	155	74.6	196	178	33
	1587	CONRAD MALT CHECK	2	40.3	97.8	54	81.8	2.3	1	12.6	5.16	42.9	139	86.8	157	223	62
Bozeman, MT	1588	18 - 08ARS116-91	2	42.0	99.9	83	80.2	1.9	1	14.3	5.02	37.8	192	68.7	81	234	52
Bozeman, MT	1589	19 - 10WA-117.17	2	38.6	91.4	91	77.7	1.2	1	13.8	3.69	26.7	117	32.1	585	112	13
Bozeman, MT	1590	20 - 10WA-117.24	2	42.0	99.9	88	77.4	1.3	1	13.8	3.80	27.9	110	36.1	785	107	16
Bozeman, MT	1591	21 - 11WA-107.43	2	44.0	99.9	88	80.0	1.1	1	13.5	3.67	27.9	104	41.3	549	115	27
Bozeman, MT	1592	22 - ME 08032-156	2	41.3	96.3	83	78.9	n.d.	3	14.0	4.51	33.2	143	50.0	204	175	31
Bozeman, MT	1593	23 - ME 08053-050	2	47.2	99.9	76	77.6	1.7	1	14.9	4.52	30.9	147	49.5	199	156	30
Bozeman, MT	1594	24 - MT080087	2	42.5	99.9	74	77.7	1.9	2	14.3	4.02	28.7	154	40.3	379	134	25
Bozeman, MT	1595	25 - MT080112	2	44.5	99.4	71	76.4	n.d.	3	13.9	3.69	27.0	78	29.3	728	103	10
Bozeman, MT	1596	26 - MT080243	2	43.4	99.9	83	79.5	1.6	1	14.2	4.49	32.5	142	74.0	320	176	40

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	1597	27 - MT080370	2	45.0	99.8	81	75.2	n.d.	3	15.2	4.01	27.3	90	47.1	491	132	17
Bozeman, MT	1598	28 - MT090182	2	43.0	99.3	82	77.8	1.4	1	13.0	3.85	30.9	159	44.2	479	124	33
Bozeman, MT	1599	29 - MT090190	2	42.4	98.3	82	78.0	1.4	1	12.9	4.22	33.3	182	54.3	319	150	39
Bozeman, MT	1600	30 - MT090193	2	44.3	99.9	79	79.0	1.5	1	12.5	3.89	32.0	154	48.8	372	138	37
Bozeman, MT	1601	31 - MT100120	2	44.8	99.5	75	78.6	1.5	1	12.5	4.04	32.7	190	56.5	272	140	43
Bozeman, MT	1602	32 - MT100126	2	43.9	99.9	78	78.1	1.5	1	13.4	4.29	32.7	198	54.1	327	165	38
Bozeman, MT	1603	33 - MT124016	2	46.0	99.8	72	79.2	1.7	1	13.8	4.63	34.7	154	84.2	322	191	42
Bozeman, MT	1604	34 - MT124069	2	46.4	99.9	77	80.0	1.9	1	13.6	4.94	36.8	155	75.4	159	202	45
Bozeman, MT	1605	35 - MT124073	2	48.4	99.9	74	80.3	2.0	1	13.2	4.61	36.3	132	66.9	236	180	45
Bozeman, MT	1606	36 - MT124112	2	45.2	99.9	85	81.5	1.9	1	12.6	4.79	39.1	140	102.6	124	217	61
Bozeman, MT	1607	37 - MT124118	2	46.0	99.9	91	79.6	1.6	1	13.9	4.81	35.4	137	95.2	192	216	45
Bozeman, MT	1608	38 - MT124243	2	45.0	99.9	79	78.6	1.6	2	12.5	3.60	29.7	122	42.4	442	108	36
Bozeman, MT	1609	39 - MT124411	2	44.4	99.9	75	79.3	1.7	1	14.0	4.86	35.5	141	87.7	460	224	42
Bozeman, MT	1610	40 - MT124454	2	48.6	99.9	76	79.0	1.9	1	14.6	4.79	34.1	157	81.3	346	200	42
Bozeman, MT	1611	41 - MT124457	2	47.7	99.9	71	77.3	1.4	1	14.4	3.88	27.2	153	50.2	527	133	26
Bozeman, MT	1612	42 - MT124555	2	45.2	99.9	68	78.2	n.d.	3	13.4	3.87	29.2	91	53.3	416	116	26
Bozeman, MT	1613	43 - MT124582	2	46.9	99.9	82	77.3	1.4	2	14.4	3.78	27.4	173	48.3	644	114	22
Bozeman, MT	1614	44 - MT124645	2	41.6	95.9	78	80.9	3.3	2	13.3	5.38	40.8	154	94.8	179	254	53
Bozeman, MT	1615	45 - MT124663	2	49.9	99.9	80	80.0	1.6	1	13.2	4.91	37.3	162	98.6	197	226	50
Bozeman, MT	1616	46 - MT124673	2	47.3	99.9	77	80.4	2.0	1	12.8	4.99	40.7	120	96.7	247	243	60
Bozeman, MT	1617	47 - MT124688	2	44.5	99.9	71	79.0	n.d.	3	12.5	3.85	32.0	152	54.8	517	129	38
	1618	CONRAD MALT CHECK	2	40.7	97.5	54	81.7	2.3	1	11.9	5.32	45.4	128	97.8	205	270	62
Bozeman, MT	1619	48 - MT124716	2	44.5	96.2	77	79.5	1.7	1	13.9	4.76	35.3	156	59.3	381	206	45
Bozeman, MT	1620	49 - MT124728	2	46.7	99.9	78	79.2	2.0	1	14.6	4.91	34.2	157	59.8	418	214	42
Buffalo County, WI	1621	05ARS561-208	2	29.1	74.0	32	80.8	2.4	1	11.4	5.03	45.0	145	105.4	358	236	50
Buffalo County, WI	1622	06ARS633-10	2	35.6	87.3	32	81.2	3.0	1	11.5	5.42	48.8	100	102.4	496	296	48
Buffalo County, WI	1623	02Ab669	2	38.2	90.8	20	81.8	3.0	1	12.3	5.43	45.1	95	88.9	429	285	53
Buffalo County, WI	1624	04ARS640-1	2	38.5	93.4	18	81.8	n.d.	3	12.9	5.43	44.3	142	75.7	315	274	58
Buffalo County, WI	1625	SU-Mateo	2	45.5	96.7	22	79.4	n.d.	3	13.3	4.76	36.2	159	37.6	635	179	36
Buffalo County, WI	1626	Hirondella (08/258/17)	2	41.4	97.9	33	79.5	2.1	1	12.1	4.35	36.2	169	48.3	514	175	42
Buffalo County, WI	1627	Vincenta	2	47.4	96.9	17	79.9	2.0	1	13.5	4.77	37.1	164	46.7	356	199	47
Buffalo County, WI	1628	10/069/1	2	41.3	98.0	19	79.2	n.d.	3	12.2	4.51	38.2	164	45.2	508	180	41
Buffalo County, WI	1629	Puffin	2	41.1	95.8	22	79.2	2.1	2	14.1	5.00	36.3	136	45.8	457	219	37
Buffalo County, WI	1630	10.0777	2	38.8	96.6	21	82.7	3.2	1	13.4	6.09	47.1	153	99.6	108	342	46
Buffalo County, WI	1631	6W11-0003	2	31.6	68.8	23	79.4	2.0	1	11.5	4.58	41.5	183	71.3	370	223	47
Buffalo County, WI	1632	6W11-0064	2	31.1	86.6	16	78.3	n.d.	3	12.3	4.78	40.5	197	62.3	314	223	48
Buffalo County, WI	1633	6W13-7045	2	31.5	81.0	30	77.6	2.2	1	12.8	5.14	42.5	162	70.2	447	246	43
Buffalo County, WI	1634	6W13-7141	2	32.3	86.4	27	77.9	2.2	1	11.7	4.48	40.3	110	67.0	412	194	43
Buffalo County, WI	1635	Endeavor	2	34.9	90.3	17	81.3	3.1	1	12.6	5.29	43.3	108	85.6	405	274	55
Buffalo County, WI	1636	Vincenta	2	44.4	95.6	22	79.0	2.0	1	13.0	4.75	37.5	151	49.9	317	203	49
Buffalo County, WI	1637	10/069/1	2	42.3	97.1	15	79.0	2.4	2	13.3	4.77	37.4	170	47.8	448	190	41
Buffalo County, WI	1638	6W11-0064	2	31.7	89.5	21	79.3	n.d.	3	12.7	4.99	39.9	215	64.1	287	229	43
Buffalo County, WI	1639	6W13-7141	2	32.9	86.6	36	78.3	1.9	1	13.1	5.11	39.8	167	73.1	598	240	40
Buffalo County, WI	1640	10.0777	2	38.1	95.8	20	80.6	3.2	1	13.9	6.23	47.0	149	106.7	161	329	35
Buffalo County, WI	1641	MW12_4007-008	2	31.6	91.5	26	80.4	2.3	1	13.6	5.84	43.8	166	85.8	381	291	41
Buffalo County, WI	1642	04ARS640-1	2	35.6	88.4	16	81.1	3.0	1	13.3	5.60	44.0	124	71.2	340	280	47
Buffalo County, WI	1643	MW12_4042-002	2	29.8	82.3	21	78.9	3.3	2	12.3	4.99	41.0	178	71.2	557	243	46
Buffalo County, WI	1644	05ARS561-208	2	29.6	73.0	20	80.3	3.0	1	11.1	5.15	48.0	106	99.5	439	265	42
Buffalo County, WI	1645	10.086	2	36.2	96.7	17	80.1	3.0	1	14.3	5.69	40.4	102	89.4	306	313	38
Buffalo County, WI	1646	MW11S4029-002	2	28.5	75.3	24	79.4	2.4	2	12.0	5.01	42.1	163	67.3	472	226	49
Buffalo County, WI	1647	6W11-0003	2	30.0	59.5	24	77.8	2.1	1	12.0	4.91	42.3	184	78.8	375	227	43
Buffalo County, WI	1648	02Ab669	2	36.0	85.4	20	80.9	2.9	1	11.6	5.44	49.4	104	93.9	301	296	45
	1649	LACEY MALT CHECK	6	32.9	89.5	42	80.0	2.9	2	13.2	5.79	45.1	161	87.2	68	304	65
Buffalo County, WI	1650	MW12_4007-008		31.4	91.8	31	79.6	2.3	1	14.9	5.97	41.9	163	85.2	439	296	43
Buffalo County, WI	1651		2	34.6	90.4	33	79.9	2.8	2	13.0	5.08	40.2	162	61.3	574	233	49

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	amylase	glucan	(ppm)	Score
Buffalo County, WI	1652	6W11-0064	2	32.9	89.8	22	78.8	2.9	2	12.7	5.08	42.4	208	61.2	280	231	49
Buffalo County, WI	1653	Vincenta	2	45.9	96.3	18	78.5	2.5	2	14.2	5.04	35.8	136	43.6	404	216	38
Buffalo County, WI	1654	06ARS633-10	2	33.5	82.1	27	80.7	2.7	1	11.7	5.29	45.4	97	96.7	577	289	43
Buffalo County, WI	1655	MW12_4042-002	2	30.3	84.3	22	78.6	2.4	1	13.4	5.22	40.2	167	65.1	533	269	42
Buffalo County, WI	1656	10/069/1	2	40.6	97.8	20	78.6	n.d.	3	12.8	4.54	36.3	132	41.0	557	182	44
Buffalo County, WI	1657	MW11S4024-004	2	32.1	88.1	24	77.9	n.d.	3	15.5	5.17	34.5	188	58.7	435	247	29
Buffalo County, WI	1658	10.086	2	38.0	95.9	23	81.3	3.0	1	14.0	5.67	41.3	124	83.7	217	336	46
Buffalo County, WI	1659	6W13-7045	2	30.2	82.6	37	77.5	2.8	1	13.2	4.81	37.2	119	61.6	431	227	30
Buffalo County, WI	1660	Endeavor	2	35.5	86.1	10	79.2	n.d.	3	14.0	5.87	42.3	116	60.5	306	321	31
Buffalo County, WI	1661	Hirondella (08/258/17)	2	42.1	97.9	19	78.1	2.8	2	13.5	4.70	35.0	150	47.2	443	212	43
Lubbock, Texas	1662	05ARS561-208	6	30.4	73.4	26	80.2	3.0	1	11.4	4.83	45.7	132	105.1	370	261	48
Lubbock, Texas	1663	PO71DH_87	6	36.5	90.2	47	78.8	n.d.	3	13.6	4.28	32.5	125	56.3	470	173	33
Lubbock, Texas	1664	MW10S4116_004	6	35.8	87.8	52	78.6	2.5	2	13.4	4.55	35.5	117	69.2	306	198	38
Lubbock, Texas	1665	2011_F5_108_1	6	35.6	77.6	55	75.4	2.6	1	14.8	3.95	25.6	128	47.1	614	154	18
Lubbock, Texas	1666	Full_Pint_2	6	33.2	77.4	50	75.2	2.4	1	14.8	4.30	29.9	139	58.3	523	172	21
Lubbock, Texas	1667	MW09S4076_001	6	34.0	82.9	40	75.9	2.1	1	14.1	4.92	35.4	179	69.0	569	223	34
Lubbock, Texas	1668	2011_F5_76_1	6	36.0	84.0	56	76.7	2.1	1	13.2	4.13	31.2	114	51.6	566	177	29
Lubbock, Texas	1669	2011_F5_32_1	6	34.2	82.7	62	76.8	1.9	1	12.9	4.18	33.2	150	67.5	119	168	43
Lubbock, Texas	1670	Do_5 (OKARS 452)	6	32.3	82.6	46	74.7	n.d.	3	12.2	3.77	31.2	147	41.4	519	150	31
Lubbock, Texas	1671	OR104	6	34.5	85.8	44	79.3	3.2	2	13.3	4.35	35.2	146	58.9	424	179	45
Lubbock, Texas	1672	MW10S4118_003	6	34.0	81.3	56	78.3	2.2	1	12.8	4.89	39.8	202	71.8	270	252	51
Lubbock, Texas	1673	PYT211_6	6	32.0	82.0	60	79.2	2.6	1	12.2	4.73	41.6	155	70.8	218	230	50
Lubbock, Texas	1674	2011_F5_37_1	6	32.3	79.6	64	76.9	n.d.	3	12.4	4.29	34.8	132	56.4	553	191	32
Lubbock, Texas	1675	OR813	6	33.9	85.0	75	79.9	2.6	1	12.6	4.95	39.5	120	77.8	287	242	47
Lubbock, Texas	1676	2011_F5_37_3	6	34.0	78.8	61	76.8	n.d.	3	12.2	4.34	35.7	131	54.7	566	172	29
Lubbock, Texas	1677	06OR_45	6	32.0	71.0	62	78.1	n.d.	3	13.0	4.69	37.2	137	67.3	403	252	35
Lubbock, Texas	1678	MW09S4080_001	6	32.1	76.9	56	78.5	1.8	1	13.7	4.87	36.6	215	72.7	200	198	42
Lubbock, Texas	1679	2011_F5_64_1	6	37.5	80.6	55	76.3	2.0	1	14.1	4.28	30.8	151	60.2	373	206	31
	1680	CONRAD MALT CHECK	2	40.6	97.0	55	83.5	2.1	1	12.1	5.09	43.9	149	88.4	230	298	62
Lubbock, Texas	1681	06OR_59	6	34.1	90.5	43	77.6	2.4	2	14.8	4.62	32.5	123	57.7	340	230	27
Lubbock, Texas	1682	Full Pint_1	6	32.3	79.8	48	76.6	2.1	1	13.7	4.29	31.9	140	54.6	492	187	29
Lubbock, Texas	1683	2011_F5_109_3	6	35.4	83.3	66	76.2	2.0	1	14.8	4.17	28.9	116	49.3	552	182	16
Lubbock, Texas	1684	06OR_62	6	32.2	80.3	60	77.9	n.d.	3	13.8	4.65	35.4	170	68.5	307	224	38
Lubbock, Texas	1685	2011_F5_119_1	6	34.5	80.1	59	76.2	2.0	1	14.4	3.98	28.1	120	47.3	493	168	20
Lubbock, Texas	1686	06OR_52	6	32.1	64.4	66	76.7	2.0	1	14.3	4.69	33.2	160	66.1	403	233	26
Lubbock, Texas	1687	Alba_1	6	37.1	87.0	56	79.0	1.8	1	14.2	3.97	29.9	119	48.2	668	167	23
Lubbock, Texas	1688	06OR_75	6	31.4	63.7	67	77.2	2.2	1	13.7	5.07	37.8	181	74.7	373	291	33
Lubbock, Texas	1689	2011_F5_106_1	6	35.1	85.4	55	78.6	2.1	1	13.6	3.91	28.9	132	49.2	627	176	32
Lubbock, Texas	1690	OR101	6	33.7	85.2	58	79.7	n.d.	3	13.2	4.47	36.5	160	65.2	276	207	49
Lubbock, Texas	1691	MW10S4118_004	6	34.9	82.4	64	78.5	2.0	2	13.9	4.30	32.8	165	59.2	384	203	42
Lubbock, Texas	1692	2011_F5_35_2	6	32.6	77.3	59	77.9	n.d.	3	12.8	3.85	32.4	107	46.2	614	142	26
Lubbock, Texas	1693	MW10S4120_008	6	32.8	86.7	57	79.0	2.0	1	14.6	5.20	37.6	197	69.5	417	267	44
Lubbock, Texas	1694	MW10S4116_003	6	36.0	87.6	55	80.4	n.d.	3	13.7	4.40	33.9	129	65.4	422	198	39
Lubbock, Texas	1695	06OR_42	6	34.2	79.8	60	78.6	2.8	2	13.6	4.53	34.3	136	67.8	334	211	37
Lubbock, Texas	1696	08OR_48	6	35.3	88.2	50	78.7	3.1	2	13.7	4.29	32.2	140	62.0	378	208	42
Lubbock, Texas	1697	OR910	6	33.8	87.2	51	79.6	3.0	1	13.6	4.99	39.0	157	89.9	254	263	49
Lubbock, Texas	1698	OR91	6	33.7	85.4	50	80.1	3.0	1	13.4	4.99	39.3	146	85.4	340	281	54
Lubbock, Texas	1699	Alba_2	6	36.7	84.2	60	78.1	2.0	1	15.3	3.97	26.5	124	52.8	586	157	27
Lubbock, Texas	1700	2011_F5_96_2	6	33.1	68.6	56	77.6	2.0	1	14.6	3.85	27.0	129	50.3	530	155	18
Lubbock, Texas	1701	2011_Short_11	6	32.1	78.4	51	80.3	2.2	1	13.9	4.53	33.9	171	79.8	283	219	44
Lubbock, Texas	1702	2011_F5_109_1	6	36.2	83.9	53	77.6	2.0	1	14.8	3.72	26.6	110	48.6	532	153	16
Lubbock, Texas	1703	08OR_81	6	29.9	49.0	74	77.4	2.2	1	14.7	4.40	31.7	178	62.2	453	208	23
Lubbock, Texas	1704	08OR_44	6	37.3	87.7	53	79.8	n.d.	3	14.1	4.15	31.3	110	59.3	596	196	30
Lubbock, Texas	1705	MW09S4076_002	6	34.2	82.1	49	76.3	2.2	2	14.3	4.51	32.6	174	61.8	472	220	30
Lubbock, Texas	1706	2011_F5_27_1	6	33.6	85.2	60	78.6	1.8	1	14.0	3.98	29.6	135	48.3	625	167	27

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Lubbock, Texas	1707	2011_F5_105_3	6	35.1	80.0	61	78.6	1.9	1	14.5	3.96	28.9	119	52.3	347	176	26
Lubbock, Texas	1708	07OR_63	6	36.2	84.8	52	80.2	2.3	1	14.6	4.56	32.9	126	66.2	236	230	38
Lubbock, Texas	1709	2011_F5_9_2	6	31.1	80.5	52	78.5	2.0	1	12.5	3.99	32.5	115	59.4	377	175	35
Lubbock, Texas	1710	OR103	6	37.0	89.2	57	81.0	2.7	2	13.3	4.05	31.2	125	61.4	578	204	47
Lubbock, Texas	1712	2011_F5_76_4	6	35.1	82.3	65	77.8	2.1	1	14.0	3.86	29.2	115	54.2	517	174	23
Lubbock, Texas	1713	2011_F5_121_5	6	34.1	76.4	70	77.0	2.2	2	13.2	3.80	29.4	114	48.9	463	169	23
Lubbock, Texas	1714	2011_Short_13	6	33.2	76.8	56	80.4	2.6	1	13.5	5.02	39.6	168	83.0	203	288	52
Lubbock, Texas	1715	06OR_10	6	34.4	78.5	60	79.0	2.5	2	13.5	4.11	32.2	127	61.2	409	189	32
Lubbock, Texas	1716	2011_F5_88_3	6	35.4	78.3	70	80.2	1.9	1	12.9	3.83	31.4	129	59.5	364	177	41
Lubbock, Texas	1717	OR76	6	33.9	80.7	68	79.3	2.9	1	14.3	4.58	34.5	110	73.4	258	234	34
Lubbock, Texas	1718	2011_F5_4_2	6	34.1	84.3	61	77.0	2.0	1	15.6	4.21	27.8	157	60.5	430	188	26
Lubbock, Texas	1719	06OR_44	6	32.8	72.5	50	77.7	2.1	1	14.8	4.33	29.9	139	61.0	349	201	27
Lubbock, Texas	1720	2011_F5_5_1	6	34.3	82.6	65	78.4	1.8	1	13.8	3.86	29.6	151	55.3	448	164	38
Lubbock, Texas	1721	2011_F5_56_3	6	35.0	85.7	62	78.2	2.1	2	13.0	3.97	31.3	119	58.0	419	172	35
Lubbock, Texas	1722	06OR_91	6	29.3	40.5	52	75.7	2.2	1	14.4	4.52	32.6	219	68.7	213	220	23
Lubbock, Texas	1723	08OR_30	6	33.4	78.6	59	77.4	2.2	1	12.9	4.04	32.4	145	61.5	329	151	34
Lubbock, Texas	1724	2011_Short_12	6	33.1	76.2	54	79.5	2.2	1	14.2	4.91	35.3	177	84.7	231	252	42
Lubbock, Texas	1725	07OR_3	6	31.6	83.2	52	77.6	3.0	1	13.9	5.01	36.3	148	89.8	190	266	38
Lubbock, Texas	1726	Do_3 (OKARS 248)	6	30.2	78.0	41	74.3	n.d.	3	13.0	3.78	29.5	145	42.2	582	125	28
Lubbock, Texas	1727	2011_F5_126_1	6	35.2	85.0	54	77.7	2.0	1	14.6	4.17	28.8	118	53.7	587	157	19
Lubbock, Texas	1728	2011_F5_113_2	6	33.7	75.6	56	76.6	2.2	1	15.1	4.42	29.2	132	63.0	275	181	21
Lubbock, Texas	1729	07OR_59	6	33.2	80.3	52	80.8	2.1	1	13.7	4.33	33.1	117	64.6	331	189	34
Lubbock, Texas	1730	06OR_43	6	33.3	80.1	62	78.1	1.9	1	13.0	4.21	32.5	104	58.4	452	181	33
Lubbock, Texas	1731	2011_F5_50_1	6	35.0	88.4	53	77.7	2.5	2	14.2	4.14	30.6	126	44.6	650	161	19
Lubbock, Texas	1732	2011_F5_121_2	6	34.5	82.3	57	76.1	2.3	1	16.3	4.25	27.6	145	51.8	558	168	26
Lubbock, Texas	1733	OR815	6	36.0	86.3	56	79.6	2.3	1	14.2	4.49	32.4	114	61.6	383	203	34
Lubbock, Texas	1734	2011_F5_47_3	6	34.7	82.6	42	78.7	2.5	1	14.6	4.31	29.8	151	53.8	641	168	33
Lubbock, Texas	1735	2011_F5_55_1	6	33.3	66.2	46	75.4	2.8	2	14.9	4.36	29.7	163	55.8	536	174	20
Lubbock, Texas	1736	2011_F5_109_3	6	35.8	78.2	58	77.7	2.1	1	14.7	3.95	27.0	133	48.9	562	149	22
Lubbock, Texas	1737	2011_F5_121_3	6	33.0	76.3	57	76.3	2.1	1	14.8	3.87	26.9	126	48.2	554	145	18
Lubbock, Texas	1738	06OR_37	6	34.7	82.6	53	77.6	2.1	1	14.6	4.16	28.4	176	56.9	597	166	26
Lubbock, Texas	1739	2011_F5_23_1	6	35.1	78.8	55	77.6	2.2	1	15.6	4.40	29.9	173	64.4	505	187	24
Lubbock, Texas	1740	2011_F5_95_1	6	33.8	74.5	54	78.4	2.3	1	14.0	4.06	30.5	116	49.3	525	167	26
Lubbock, Texas	1741	2011_F5_112_3	6	34.7	82.1	51	77.1	2.2	1	15.5	4.17	27.8	129	47.5	584	167	20
Lubbock, Texas	1742	LACEY MALT CHECK	6	32.7	88.8	43	80.8	2.8	1	13.6	5.54	43.9	183	85.7	54	300	65
Lubbock, Texas	1743	2011_F5_90_5	6	34.0	81.2	58	77.4	2.2	1	15.2	4.34	30.2	156	62.3	503	193	29
Lubbock, Texas	1744	07OR_4	6	33.6	89.8	42	80.7	3.1	1	14.1	5.38	40.9	179	98.0	270	303	48
Lubbock, Texas	1745	2011_F5_120_3	6	34.9	76.9	41	76.1	2.1	1	16.0	3.87	25.6	130	46.3	543	153	18
Lubbock, Texas	1746	2011_F5_91_2	6	33.6	74.6	59	78.0	2.1	1	14.6	4.30	30.6	159	52.1	591	177	28
Lubbock, Texas	1747	2011_F5_59_2	6	34.8	75.0	59	76.6	2.4	1	15.4	4.04	27.0	138	46.8	634	162	18
Lubbock, Texas	1748	2011_F5_22_3	6	33.9	78.7	54	77.0	2.2	1	15.2	4.31	30.1	133	57.7	579	182	21
Lubbock, Texas	1749	2011_F5_47_1	6	34.2	79.0	55	79.0	2.5	2	14.1	4.42	32.5	150	58.8	606	189	33
Lubbock, Texas	1750	PO71DH_104	6	35.5	85.4	54	76.6	3.3	2	14.5	4.57	33.3	121	53.4	290	187	22
Lubbock, Texas	1751	OBADV11_2	6	36.0	90.8	57	77.6	2.7	2	13.6	4.08	30.2	104	44.4	586	161	20
Lubbock, Texas	1752	2011_F5_134_3	6	36.0	83.4	43	77.3	2.2	1	14.6	4.22	30.7	121	49.6	547	156	20
Lubbock, Texas	1753	Maja_2	6	33.0	83.8	50	79.1	3.0	2	14.0	4.61	33.1	175	67.2	299	221	40
Lubbock, Texas	1754	2011_F5_121_4	6	33.8	81.8	57	76.1	1.9	1	15.2	4.03	27.2	125	47.0	559	141	20
Lubbock, Texas	1755	Do_1 (OKARS 216)	6	30.5	81.5	36	74.7	n.d.	3	14.7	4.09	28.6	137	48.3	470	164	17
Lubbock, Texas	1756	2011_F5_129_1	6	33.7	71.4	62	79.3	2.5	2	13.2	4.28	34.1	145	51.1	528	157	40
Lubbock, Texas	1757	2011_F5_91_1	6	33.1	68.7	50	78.8	n.d.	3	13.4	4.52	34.8	165	49.6	500	171	33
Lubbock, Texas	1758	2011_F5_124_1	6	36.0	82.6	56	77.8	2.3	2	15.0	3.96	26.3	135	43.0	550	121	23
Lubbock, Texas	1759	Do_4 (OKARS_242)	6	32.7	82.8	33	75.1	n.d.	3	14.6	4.11	28.9	225	42.0	452	126	21
Lubbock, Texas	1760	2011_F5_56_1	6	35.3	82.8	53	76.8	2.0	1	15.8	4.37	28.8	128	51.6	432	161	23
Lubbock, Texas	1761	OBADV11_31	6	31.6	85.8	54	75.7	n.d.	3	14.9	3.91	26.4	99	36.8	444	118	9
Lubbock, Texas	1762	08OR_73	6	35.1	89.0	52	79.7	2.1	1	14.4	4.92	35.5	182	82.3	405	272	44

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Lubbock, Texas	1763	MW10S4122_001	6	33.0	76.4	45	77.9	2.3	1	15.2	5.49	36.9	183	76.5	224	270	40
Lubbock, Texas	1764	08OR_53	6	33.8	85.0	43	78.4	2.9	2	14.8	4.32	30.3	136	57.5	332	187	29
Lubbock, Texas	1765	2011_F5_126_2	6	33.3	85.8	53	77.6	1.9	1	14.8	4.09	29.4	115	54.5	456	184	19
Lubbock, Texas	1766	OBADV11_29	6	32.6	74.6	64	76.1	2.3	1	15.1	4.11	28.1	135	46.9	483	181	18
Lubbock, Texas	1767	06OR_59	6	34.0	85.7	48	76.9	2.1	1	16.4	4.70	29.6	157	62.7	335	216	31
Lubbock, Texas	1768	2011_F5_135_4	6	35.5	81.0	61	76.0	2.1	1	14.3	4.40	31.6	152	54.2	487	186	26
Lubbock, Texas	1769	Do_6 (OKARS 474)	6	31.7	86.5	43	75.0	2.8	2	14.1	4.02	29.1	175	41.9	615	164	21
Lubbock, Texas	1770	OR818	6	33.6	82.5	43	79.4	3.0	1	14.1	5.39	39.7	167	93.0	274	280	48
Lubbock, Texas	1771	2011_F5_57_2	6	35.5	83.1	59	78.7	1.8	1	14.7	4.04	27.8	128	56.6	461	165	30
Lubbock, Texas	1772	2011_F5_48_1	6	35.2	79.3	50	75.6	2.0	1	15.9	4.41	28.6	147	57.8	576	174	24
	1773	LACEY MALT CHECK	6	32.9	89.9	42	81.0	3.1	2	13.1	5.71	45.6	184	85.2	63	341	65
Lubbock, Texas	1774	2011_F5_132_1	6	35.5	84.6	67	78.4	1.7	1	13.4	4.05	30.8	136	59.5	542	184	40
Lubbock, Texas	1775	2011_F5_124_1	6	34.9	79.2	66	76.1	1.9	1	14.6	4.11	28.8	122	50.6	486	170	21
Lubbock, Texas	1776	2011_F5_135_4	6	35.3	82.3	71	76.5	1.8	1	13.7	4.08	30.7	117	53.1	547	177	24
Lubbock, Texas	1777	2011_F5_131_1	6	35.3	76.8	73	78.1	1.7	1	14.1	4.17	31.3	123	55.7	479	191	28
Lubbock, Texas	1778	07OR_21	6	33.6	62.5	58	78.1	2.4	2	13.7	4.57	33.6	164	64.0	405	222	34
Lubbock, Texas	1779	2011_F5_59_1	6	33.8	79.0	61	77.3	2.2	2	14.2	3.95	28.5	123	48.0	602	160	17
Lubbock, Texas	1780	06OR_41	6	32.7	67.0	67	78.2	2.3	2	14.0	4.59	33.9	172	67.8	398	220	29
Lubbock, Texas	1781	07OR_6	6	32.0	80.2	51	79.4	2.9	1	13.4	5.06	40.4	160	98.6	260	295	54
Lubbock, Texas	1782	06OR_78	6	33.3	64.5	63	76.6	2.1	1	14.9	5.17	36.5	193	75.5	250	263	29
Lubbock, Texas	1783	2011_F5_52_2	6	35.3	89.9	51	78.2	1.9	1	14.4	4.23	29.7	143	56.9	544	209	35
Lubbock, Texas	1784	2011_F5_105_1	6	32.4	77.2	62	76.1	1.8	1	14.2	4.36	30.9	134	61.0	287	151	21
Lubbock, Texas	1785	2011_F5_72_3	6	33.8	80.1	50	76.3	2.5	2	14.1	3.98	30.3	126	48.4	550	139	19
Lubbock, Texas	1786	2011_Short_8	6	33.6	75.2	53	76.2	1.7	1	14.4	4.19	29.7	125	50.2	548	148	21
Lubbock, Texas	1787	2011_F5_66_3	6	33.8	65.1	55	77.6	1.8	1	14.2	4.70	35.1	163	64.0	356	184	21
Lubbock, Texas	1788	OR108	6	35.6	78.2	68	78.5	1.7	1	12.6	4.24	35.1	126	57.7	469	161	38
Lubbock, Texas	1789	2011_F5_136_1	6	35.4	65.0	63	75.9	2.5	2	13.9	4.49	33.0	132	58.6	478	163	22
Lubbock, Texas	1790	OBADV11_13	6	37.0	77.3	59	76.7	2.2	2	13.9	4.43	32.7	136	47.3	414	161	22
Lubbock, Texas	1791	OBADV11_13	6	36.0	76.3	59	76.8	2.0	2	13.6	4.62	34.2	151	50.2	373	159	28
Lubbock, Texas	1792	Do_2 (OKARS_249)	6	29.5	74.9	32	73.8	2.7	2	13.0	3.80	29.4	180	45.2	624	114	27
Lubbock, Texas	1793	Maja_1	6	33.1	83.2	50	79.4	1.9	1	12.3	4.84	40.6	181	69.9	187	217	54
Lubbock, Texas	1794	OR106	6	34.2	87.0	47	76.7	2.6	2	13.7	4.64	34.7	174	64.0	293	186	30
Lubbock, Texas	1795	07OR_8	6	33.6	89.4	51	79.8	2.5	1	12.9	5.41	44.5	154	89.3	238	258	63
Lubbock, Texas	1796	2011_F5_96_4	6	34.6	73.8	62	77.6	1.9	1	13.8	4.36	33.2	120	51.2	567	146	26
Lubbock, Texas	1797	2011_F5_83_1	6	35.2	83.8	61	78.4	1.9	2	13.5	4.16	32.8	115	54.7	539	138	30
Lubbock, Texas	1798	2011_F5_36_2	6	33.4	77.0	56	75.8	n.d.	3	12.7	4.39	36.2	138	52.7	526	152	29
Lubbock, Texas	1799	2011_F5_121_1	6	34.1	69.6	65	75.8	1.7	1	14.7	4.29	30.1	117	53.1	527	136	14
Lubbock, Texas	1800	MW10S4122_005	6	34.6	75.0	47	78.5	1.6	1	14.8	5.27	37.6	211	70.1	340	197	41
Lubbock, Texas	1801	2011_F5_60_2	6	34.8	85.7	67	77.3	1.6	1	14.3	4.26	30.5	122	57.2	519	137	23
Lubbock, Texas	1802	08OR_9	6	31.5	82.5	38	74.8	n.d.	3	13.7	4.09	31.4	215	44.4	486	126	25
Lubbock, Texas	1803	2011_F5_35_2	6	33.9	76.7	62	76.0	2.4	2	13.6	4.06	30.1	124	48.9	674	133	22
	1804	LACEY MALT CHECK	6	32.7	89.0	42	80.1	2.7	1	13.4	6.11	46.2	168	80.3	97	283	63
Lubbock, Texas	1805	2011_F5_66_3	6	33.3	68.8	53	77.4	1.8	1	12.9	4.86	38.8	144	63.0	438	192	37
Lubbock, Texas	1806	08OR_48	6	34.1	84.5	54	77.2	2.1	1	13.5	4.49	33.5	131	55.4	465	166	28
Lubbock, Texas	1807	2011_F5_132_1	6	35.3	83.7	71	76.3	1.7	1	13.5	4.43	34.2	118	55.3	553	153	29
Lubbock, Texas	1808	2011_F5_4_2	6	33.2	89.0	65	77.4	1.9	1	14.3	4.99	37.2	145	59.4	441	189	29
Lubbock, Texas	1809	OBADV11_29	6	32.8	79.1	68	75.9	2.1	1	13.3	4.37	33.9	117	41.5	572	139	24
Lubbock, Texas	1810	2011_F5_134_3	6	35.6	84.3	67	76.5	1.8	1	14.0	4.54	32.8	110	48.5	559	180	16
Lubbock, Texas	1811	MW10S4118_001	6	36.5	87.1	48	77.3	1.8	1	14.9	5.01	35.5	173	62.5	446	188	29
Lubbock, Texas	1812	2011_Short_16	6	32.5	77.7	54	77.8	2.3	1	14.3	5.30	38.1	141	66.8	429	255	40
Lubbock, Texas	1813	2011_F5_112_1	6	33.7	79.3	65	75.3	1.7	1	14.9	4.44	30.1	121	50.5	576	175	21
Corvallis, Lebanon, Madras Oregon	1814	Charles-COR	2	28.2	80.4	52	80.4	2.1	1	12.0	5.38	48.1	162	84.3	388	286	45
Corvallis, Lebanon, Madras Oregon	1815	Endeavor-COR	2	29.2	62.9	50	81.1	1.9	1	11.8	5.45	47.4	222	100.9	357	294	48
Corvallis, Lebanon, Madras Oregon	1816	Wintmalt-COR	2	42.2	93.5	58	81.9	1.5	1	10.2	4.48	48.1	146	53.7	116	201	56
Corvallis, Lebanon, Madras Oregon	1817	10.0777-COR	2	33.9	88.8	52	83.1	2.2	1	10.4	5.35	55.7	156	108.4	89	302	53

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Corvallis, Lebanon, Madras Oregon	1818	10.0860-COR	2	28.1	80.4	42	82.0	2.1	1	11.7	5.23	46.5	147	83.5	194	289	53
Corvallis, Lebanon, Madras Oregon	1819	DH120228-COR	2	36.8	94.4	45	83.3	1.9	1	11.5	5.60	53.0	196	118.7	100	309	52
Corvallis, Lebanon, Madras Oregon	1820	DH130004-COR	2	42.9	98.2	64	83.7	1.9	1	10.0	4.95	53.5	129	70.1	82	278	60
Corvallis, Lebanon, Madras Oregon	1821	DH120412-COR	2	42.4	95.3	42	81.3	1.9	1	12.3	5.55	47.7	224	80.2	168	307	58
Corvallis, Lebanon, Madras Oregon	1822	DH130939-COR	2	44.7	97.2	45	84.5	2.3	1	10.4	5.17	53.4	150	106.9	247	291	53
Corvallis, Lebanon, Madras Oregon	1823	DH130718-COR	2	38.9	96.5	32	83.6	2.0	1	11.3	5.33	50.8	172	93.8	106	282	58
Corvallis, Lebanon, Madras Oregon	1824	DH130765-COR	2	47.0	97.7	36	84.0	2.1	1	12.9	5.91	48.6	208	85.3	176	312	54
Corvallis, Lebanon, Madras Oregon	1825	DH130910-COR	2	47.3	98.0	69	82.6	1.3	1	11.0	5.04	48.6	181	42.6	93	230	62
Corvallis, Lebanon, Madras Oregon	1826	DH120203-COR	2	36.3	93.6	36	80.4	2.1	1	13.0	6.07	46.8	264	101.9	97	316	50
Corvallis, Lebanon, Madras Oregon	1827	DH130735-COR	2	39.1	94.3	40	82.5	1.9	1	10.6	5.19	50.4	282	103.2	42	287	57
Corvallis, Lebanon, Madras Oregon	1828	DH140088-COR	2	46.0	98.4	46	83.5	1.8	1	11.0	5.20	50.4	147	98.8	210	288	58
Corvallis, Lebanon, Madras Oregon	1829	DH140189-COR	2	40.0	95.0	43	81.3	1.9	1	14.4	6.11	45.0	255	106.8	254	334	43
Corvallis, Lebanon, Madras Oregon	1830	DH120304-COR	2	44.5	95.3	59	83.6	1.9	1	11.3	5.90	55.1	177	90.4	87	350	61
Corvallis, Lebanon, Madras Oregon	1831	DH131055-COR	2	48.2	97.4	67	81.6	2.2	1	11.3	4.75	43.5	146	58.1	175	231	63
Corvallis, Lebanon, Madras Oregon	1832	DH131143-COR	2	37.4	95.8	42	81.8	2.1	1	12.7	5.78	48.9	206	115.3	134	305	52
Corvallis, Lebanon, Madras Oregon	1833	DH131191-COR	2	46.0	92.4	57	83.5	2.2	1	10.3	5.00	51.5	128	85.1	255	276	53
Corvallis, Lebanon, Madras Oregon	1834	DH131198-COR	2	40.5	92.6	55	82.4	2.0	1	11.4	5.65	51.8	208	113.7	118	313	56
	1835	CONRAD MALT CHECK	2	40.8	97.2	54	82.5	1.7	1	12.8	5.47	45.6	150	96.4	258	276	62
Corvallis, Lebanon, Madras Oregon	1836	DH131207-COR	2	36.0	93.6	45	84.7	2.4	1	10.8	5.39	54.3	151	119.3	73	296	55
Corvallis, Lebanon, Madras Oregon	1837	DH131406-COR	2	40.3	96.6	57	81.8	1.2	1	11.0	4.40	42.0	174	49.9	256	197	54
Corvallis, Lebanon, Madras Oregon	1838	DH131679-COR	2	39.7	94.5	50	84.3	2.4	1	10.5	5.55	55.8	186	109.2	44	308	57
Corvallis, Lebanon, Madras Oregon	1839	DH131738-COR	2	42.1	97.4	50	84.3	1.4	1	10.7	4.18	41.8	159	55.4	253	179	49
Corvallis, Lebanon, Madras Oregon	1840	DH131742-COR	2	45.0	98.8	62	83.5	1.9	1	11.0	5.06	49.6	185	104.9	93	266	60
Corvallis, Lebanon, Madras Oregon	1841	DH131890-COR	2	43.6	97.6	58	82.2	2.1	2	11.1	4.49	43.3	182	62.8	220	206	62
Corvallis, Lebanon, Madras Oregon	1842	DH131892-COR	2	44.8	97.2	56	85.0	2.0	1	9.7	4.57	50.4	151	84.8	33	251	60
Corvallis, Lebanon, Madras Oregon	1843	DH140185-COR	2	39.3	97.1	33	82.4	1.8	1	10.2	4.21	43.4	203	52.9	33	190	56
Corvallis, Lebanon, Madras Oregon	1844	DH130935-COR	2	45.1	98.2	39	83.1	n.d.	3	9.7	3.75	41.3	127	57.5	175	165	44
Corvallis, Lebanon, Madras Oregon	1845	Charles-LEB	2	30.0	82.3	30	81.3	2.5	1	10.8	4.82	47.7	166	111.9	65	272	50
Corvallis, Lebanon, Madras Oregon	1846	Endeavor-LEB	2	28.8	68.0	26	82.6	2.2	1	10.3	4.51	47.8	178	103.7	186	242	43
Corvallis, Lebanon, Madras Oregon	1847	Wintmalt-LEB	2	41.3	97.6	28	82.6	1.7	1	9.3	3.55	41.6	126	58.3	71	162	52
Corvallis, Lebanon, Madras Oregon	1848	10.0777-LEB	2	32.0	87.7	24	83.0	3.4	1	11.6	5.24	48.6	161	129.8	30	304	58
Corvallis, Lebanon, Madras Oregon	1849	10.0860-LEB	2	32.7	89.7	23	84.1	2.3	1	11.4	4.64	43.6	141	94.2	90	256	63
Corvallis, Lebanon, Madras Oregon	1850	DH120228-LEB	2	37.1	94.8	20	84.0	2.2	1	11.5	5.04	47.5	178	118.6	31	289	60
Corvallis, Lebanon, Madras Oregon	1851	DH130004-LEB	2	40.4	98.7	28	82.8	2.2	1	12.5	5.09	43.4	180	77.5	54	303	69
Corvallis, Lebanon, Madras Oregon	1852	DH120412-LEB	2	44.7	98.9	23	82.2	2.0	1	10.8	4.62	46.8	209	80.5	34	261	65
Corvallis, Lebanon, Madras Oregon	1853	DH130939-LEB	2	44.0	98.7	17	83.9	2.7	1	11.4	4.84	45.1	166	109.1	72	274	70
Corvallis, Lebanon, Madras Oregon	1854	DH130718-LEB	2	40.5	98.6	24	83.0	2.3	1	12.2	4.96	42.4	186	90.3	32	273	69
Corvallis, Lebanon, Madras Oregon	1855	DH130765-LEB	2	44.9	99.2	18	83.7	2.6	1	13.2	5.58	45.1	235	95.1	29	317	65
Corvallis, Lebanon, Madras Oregon	1856	DH130910-LEB	2	46.3	98.7	32	82.2	1.6	1	11.1	4.37	40.2	173	46.9	49	208	63
Corvallis, Lebanon, Madras Oregon	1857	DH120203-LEB	2	35.7	99.1	27	82.1	2.6	1	12.6	5.41	45.2	226	99.6	34	290	65
Corvallis, Lebanon, Madras Oregon	1858	DH130735-LEB	2	37.6	94.4	21	80.9	2.3	1	12.1	5.08	44.5	272	97.3	31	283	62
Corvallis, Lebanon, Madras Oregon	1859	DH140088-LEB	2	44.0	99.2	19	82.8	2.9	1	11.3	4.71	44.4	133	94.5	141	276	66
Corvallis, Lebanon, Madras Oregon	1860	DH140189-LEB	2	41.0	98.2	17	81.4	2.7	1	12.8	5.37	45.2	200	102.5	51	304	69
Corvallis, Lebanon, Madras Oregon	1861	DH120304-LEB	2	46.2	99.2	27	83.1	2.4	1	11.3	5.16	49.2	168	88.1	19	315	65
Corvallis, Lebanon, Madras Oregon	1862	DH131055-LEB	2	46.7	98.1	31	80.6	2.5	2	11.6	3.93	36.6	121	51.4	188	181	45
Corvallis, Lebanon, Madras Oregon	1863	DH131143-LEB	2	36.7	96.5	15	81.2	2.5	1	11.4	4.88	45.7	198	119.5	30	271	65
Corvallis, Lebanon, Madras Oregon	1864	DH131191-LEB	2	46.4	97.3	20	82.8	2.8	1	11.1	4.47	43.1	134	72.8	82	241	70
Corvallis, Lebanon, Madras Oregon	1865	DH131198-LEB	2	39.0	94.5	25	81.0	2.0	1	11.8	4.79	43.5	233	100.6	32	254	64
	1866	CONRAD MALT CHECK	2	40.0	97.2	54	82.3	2.0	1	13.1	4.91	40.1	144	91.7	212	240	57
Corvallis, Lebanon, Madras Oregon	1867	DH131207-LEB	2	37.2	96.3	24	83.4	2.5	1	11.1	5.07	49.0	164	118.1	29	291	60
Corvallis, Lebanon, Madras Oregon	1868	DH131406-LEB	2	40.8	98.1	23	80.6	1.5	1	11.8	4.02	36.2	171	47.7	250	169	42
Corvallis, Lebanon, Madras Oregon	1869	DH131679-LEB	2	36.1	88.6	21	82.0	3.3	1	12.1	5.73	50.8	219	118.8	29	345	54
Corvallis, Lebanon, Madras Oregon	1870	DH131738-LEB	2	40.8	97.9	20	81.5	1.7	1	12.5	3.86	32.5	165	55.0	282	158	45
Corvallis, Lebanon, Madras Oregon	1871	DH131742-LEB	2	43.9	98.7	29	82.6	2.2	1	11.8	5.00	44.9	208	100.4	68	262	70
Corvallis, Lebanon, Madras Oregon	1872	DH131890-LEB	2	45.3	98.4	29	80.2	1.6	1	11.8	4.36	39.5	201	59.1	242	185	49

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Corvallis, Lebanon, Madras Oregon	1873	DH131892-LEB	2	42.6	97.2	23	82.9	2.0	1	10.9	4.80	47.8	190	89.0	34	264	60
Corvallis, Lebanon, Madras Oregon	1874	DH140185-LEB	2	35.2	94.4	12	79.4	1.8	1	13.3	4.67	36.7	250	61.6	33	198	49
Corvallis, Lebanon, Madras Oregon	1875	DH150113-COR	2	42.8	97.6	49	82.1	1.6	1	10.8	3.82	38.0	138	40.2	544	151	38
Corvallis, Lebanon, Madras Oregon	1876	DH140083-LEB	2	42.5	98.7	21	81.9	2.2	1	11.7	5.04	45.1	170	104.4	51	297	70
Corvallis, Lebanon, Madras Oregon	1877	DH140083-COR	2	42.6	97.7	44	82.9	2.1	1	11.2	4.91	45.4	166	103.5	43	289	70
Corvallis, Lebanon, Madras Oregon	1878	DH140980-COR	2	47.1	97.6	35	80.6	2.0	1	11.5	4.58	42.3	195	54.7	79	184	65
Corvallis, Lebanon, Madras Oregon	1879	DH141001-COR	2	45.3	96.6	47	81.9	2.0	1	10.3	4.61	47.2	195	61.5	184	209	53
Corvallis, Lebanon, Madras Oregon	1880	DH141015-COR	2	45.8	97.7	60	83.7	1.9	1	10.2	4.39	45.8	189	49.6	71	195	58
Corvallis, Lebanon, Madras Oregon	1881	DH141144-COR	2	41.4	97.0	48	81.8	1.8	1	10.5	4.33	44.0	191	53.3	135	189	54
Corvallis, Lebanon, Madras Oregon	1882	DH141196-COR	2	38.0	92.4	30	81.0	1.7	1	10.2	4.29	43.5	143	62.8	98	174	48
Corvallis, Lebanon, Madras Oregon	1883	DH141217-COR	2	42.7	98.3	53	82.8	1.9	1	10.7	4.56	44.9	204	54.2	116	202	61
Corvallis, Lebanon, Madras Oregon	1884	DH141220-COR	2	44.6	98.8	61	82.9	1.7	1	10.3	4.62	46.1	208	51.3	99	192	65
Corvallis, Lebanon, Madras Oregon	1885	DH141373-COR	2	44.1	97.6	46	81.3	1.7	1	10.7	4.30	42.6	175	48.7	355	179	46
Corvallis, Lebanon, Madras Oregon	1886	DH140960-COR	2	47.3	98.9	44	83.2	2.0	1	11.0	4.77	46.8	205	54.3	36	211	65
Corvallis, Lebanon, Madras Oregon	1887	DH140996-COR	2	43.6	95.7	45	81.8	1.9	1	10.7	4.38	43.7	160	56.1	98	182	59
Corvallis, Lebanon, Madras Oregon	1888	DH141000-COR	2	46.5	98.7	50	82.6	1.7	1	10.3	4.35	46.1	184	47.0	60	192	58
Corvallis, Lebanon, Madras Oregon	1889	DH141003-COR	2	40.8	96.5	35	83.3	2.5	1	10.9	5.24	52.1	165	93.2	30	275	59
Corvallis, Lebanon, Madras Oregon	1890	DH141004-COR	2	41.9	95.0	44	83.3	2.3	1	10.4	5.07	49.2	150	99.4	40	265	59
Corvallis, Lebanon, Madras Oregon	1891	DH141012-COR	2	43.7	96.4	47	81.2	1.8	1	11.9	4.64	41.4	235	48.5	43	185	65
Corvallis, Lebanon, Madras Oregon	1892	DH141122-COR	2	37.0	94.6	35	80.7	1.3	1	11.7	4.16	38.0	156	43.7	119	165	41
Corvallis, Lebanon, Madras Oregon	1893	DH141204-COR	2	42.1	96.6	54	83.1	2.3	1	11.8	5.62	49.8	178	107.6	203	309	54
Corvallis, Lebanon, Madras Oregon	1894	DH141216-COR	2	41.5	97.2	48	83.2	1.7	1	10.6	4.88	46.6	246	58.3	45	217	64
Corvallis, Lebanon, Madras Oregon	1895	DH141222-COR	2	46.2	97.8	51	83.6	2.0	1	10.5	4.74	48.4	188	62.4	41	221	60
Corvallis, Lebanon, Madras Oregon	1896	DH141225-COR	2	47.4	98.3	46	83.7	2.1	1	10.7	4.96	51.2	211	61.4	25	227	60
Corvallis, Lebanon, Madras Oregon	1897	CONRAD MALT CHECK	2	40.8	97.1	54	81.8	1.9	1	12.3	5.30	44.9	130	89.0	141	254	65
Corvallis, Lebanon, Madras Oregon	1898	DH141226-COR	2	48.3	99.0	58	83.2	1.7	1	12.8	5.56	46.2	213	60.6	62	268	70
Corvallis, Lebanon, Madras Oregon	1899	DH141364-COR	2	45.7	98.4	49	82.6	1.8	1	10.0	4.49	45.5	190	53.2	31	210	65
Corvallis, Lebanon, Madras Oregon	1900	DH140958-COR	2	44.7	97.8	53	82.8	1.9	1	10.1	4.52	45.1	180	51.8	38	205	65
Corvallis, Lebanon, Madras Oregon	1901	DH140959-COR	2	44.0	98.3	57	82.6	1.9	1	11.4	4.89	45.1	190	55.6	57	216	70
Corvallis, Lebanon, Madras Oregon	1902	DH140963-COR	2	47.9	97.1	55	82.0	1.7	1	10.8	3.90	39.3	124	38.3	139	152	37
Corvallis, Lebanon, Madras Oregon	1903	DH140997-COR	2	46.9	96.4	57	80.6	1.4	1	10.9	4.13	38.8	175	42.6	308	151	38
Corvallis, Lebanon, Madras Oregon	1904	DH141077-COR	2	44.3	96.2	54	84.0	1.7	1	11.1	4.98	48.2	181	66.0	52	243	65
Corvallis, Lebanon, Madras Oregon	1905	DH141085-COR	2	44.8	97.3	51	81.8	1.6	1	10.8	4.32	43.1	154	40.6	173	148	46
Corvallis, Lebanon, Madras Oregon	1906	DH141117-COR	2	41.9	95.1	62	83.0	1.7	1	10.6	4.66	47.5	135	71.9	99	190	57
Corvallis, Lebanon, Madras Oregon	1907	DH141129-COR	2	40.2	93.1	65	85.1	2.3	1	10.6	5.37	56.0	132	91.9	34	298	59
Corvallis, Lebanon, Madras Oregon	1908	DH141132-COR	2	46.2	96.4	64	81.6	1.6	1	11.1	4.82	46.0	183	50.1	154	215	63
Corvallis, Lebanon, Madras Oregon	1909	DH141151-COR	2	42.8	95.0	49	79.6	1.5	1	12.0	4.29	37.1	176	40.8	362	167	43
Corvallis, Lebanon, Madras Oregon	1910	DH141152-COR	2	45.2	95.8	54	82.1	1.5	1	10.5	4.63	46.3	176	56.6	235	202	58
Corvallis, Lebanon, Madras Oregon	1911	DH141170-COR	2	38.4	93.6	52	82.1	1.6	1	10.2	4.28	43.9	173	55.2	81	174	53
Corvallis, Lebanon, Madras Oregon	1912	DH141198-COR	2	39.4	95.5	66	83.6	2.0	1	9.7	5.13	58.3	106	93.2	30	259	54
Corvallis, Lebanon, Madras Oregon	1913	DH141221-COR	2	44.7	98.7	69	83.0	1.4	1	10.8	4.85	46.7	233	53.8	57	171	60
Corvallis, Lebanon, Madras Oregon	1914	DH141375-COR	2	47.6	95.5	61	79.7	1.4	1	11.1	4.73	44.2	184	49.8	278	177	52
Corvallis, Lebanon, Madras Oregon	1915	11.1209LC-COR	2	41.0	97.6	49	82.9	1.4	1	9.9	4.50	49.3	125	68.7	45	197	59
Corvallis, Lebanon, Madras Oregon	1916	DH141504-COR	2	36.2	91.8	68	82.0	2.3	1	11.8	5.71	51.7	141	107.7	43	300	56
Corvallis, Lebanon, Madras Oregon	1917	DH141506-COR	2	41.7	95.7	63	82.0	2.1	1	11.2	5.36	51.9	144	102.1	91	287	64
Corvallis, Lebanon, Madras Oregon	1918	DH141658-COR	2	39.4	94.8	62	78.7	2.0	1	12.0	4.79	42.0	146	58.0	190	201	54
Corvallis, Lebanon, Madras Oregon	1919	DH141659-COR	2	42.2	97.0	67	83.9	2.4	1	10.9	5.53	55.0	153	86.1	37	314	60
Corvallis, Lebanon, Madras Oregon	1920	DH141937-COR	2	49.0	97.4	37	80.7	3.4	1	11.0	4.84	48.2	166	60.4	29	238	62
Corvallis, Lebanon, Madras Oregon	1921	DH142028-COR	2	41.4	92.3	42	80.6	2.6	1	11.4	4.82	43.5	240	52.9	76	201	66
Corvallis, Lebanon, Madras Oregon	1922	DH150062-COR	2	43.9	95.6	40	80.1	4.3	2	10.2	4.32	44.2	143	42.8	74	172	49
Corvallis, Lebanon, Madras Oregon	1923	DH150066-COR	2	42.5	96.6	39	80.9	5.0	1	10.2	4.32	46.0	142	42.2	24	188	53
Corvallis, Lebanon, Madras Oregon	1924	DH141648-COR	2	51.1	99.1	38	80.7	1.7	1	11.9	4.81	42.1	183	42.6	119	183	58
Corvallis, Lebanon, Madras Oregon	1925	DH141932-COR	2	45.7	96.8	43	82.6	2.7	1	10.4	4.76	46.7	162	52.2	58	191	65
Corvallis, Lebanon, Madras Oregon	1926	DH141946-COR	2	44.7	96.0	48	80.6	2.4	1	10.0	4.62	49.5	150	53.2	145	210	53
Corvallis, Lebanon, Madras Oregon	1927	DH141947-COR	2	43.9	97.7	38	82.1	3.4	1	10.0	4.52	48.0	157	50.7	24	195	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
	1928	CONRAD MALT CHECK	2	41.1	97.2	53	82.7	2.0	1	12.6	5.80	47.7	143	84.0	134	273	56
Corvallis, Lebanon, Madras Oregon	1929	DH141949-COR	2	46.0	95.6	57	80.7	2.5	1	10.2	4.69	48.9	144	46.5	207	184	45
Corvallis, Lebanon, Madras Oregon	1930	DH141933-COR	2	47.3	98.6	52	81.8	2.3	1	10.2	4.54	47.7	167	49.8	30	176	52
Corvallis, Lebanon, Madras Oregon	1931	DH141967-COR	2	36.3	95.9	50	83.3	1.7	1	9.8	4.62	50.9	189	66.0	30	159	50
Corvallis, Lebanon, Madras Oregon	1932	DH142020-COR	2	47.9	99.4	55	83.5	1.5	1	9.5	4.70	50.8	159	54.4	48	192	60
Corvallis, Lebanon, Madras Oregon	1933	DH142023-COR	2	48.1	98.9	50	83.1	1.5	1	10.0	4.67	47.7	182	52.3	34	192	60
Corvallis, Lebanon, Madras Oregon	1934	DH142031-COR	2	46.4	99.2	53	82.6	1.6	1	12.0	5.31	44.6	228	51.2	57	210	70
Corvallis, Lebanon, Madras Oregon	1935	DH142035-COR	2	46.4	98.3	54	82.1	1.6	1	11.2	5.17	46.8	232	52.6	156	204	63
Corvallis, Lebanon, Madras Oregon	1936	DH142041-COR	2	41.1	97.7	48	81.3	2.4	1	12.0	5.36	45.8	266	48.2	55	223	66
Corvallis, Lebanon, Madras Oregon	1937	DH150065-COR	2	43.0	96.7	45	82.8	1.9	1	9.5	4.52	52.4	141	52.2	28	191	60
Corvallis, Lebanon, Madras Oregon	1938	DH150068-COR	2	49.0	98.7	52	81.6	2.2	1	10.1	4.53	46.9	152	51.8	218	170	53
Corvallis, Lebanon, Madras Oregon	1939	DH150126-COR	2	48.0	98.6	54	83.1	1.5	1	10.7	5.05	50.0	222	57.4	69	203	60
Corvallis, Lebanon, Madras Oregon	1940	DH141498-COR	2	50.2	94.5	61	80.9	1.3	1	10.9	4.85	46.5	169	47.8	247	175	47
Corvallis, Lebanon, Madras Oregon	1941	DH141663-COR	2	49.0	98.3	59	81.4	1.4	1	11.3	5.02	45.0	214	53.9	112	205	66
Corvallis, Lebanon, Madras Oregon	1942	DH141683-COR	2	49.7	99.4	56	82.4	1.4	1	12.5	5.43	45.8	234	53.0	80	226	70
Corvallis, Lebanon, Madras Oregon	1943	DH141917-COR	2	48.6	97.8	47	83.8	1.9	1	10.1	5.07	52.5	127	49.6	39	222	57
Corvallis, Lebanon, Madras Oregon	1944	DH141931-COR	2	49.4	97.6	57	82.6	1.7	1	11.0	5.38	49.2	201	62.5	63	224	60
Corvallis, Lebanon, Madras Oregon	1945	DH141940-COR	2	49.7	99.1	44	81.1	2.4	1	10.1	4.52	47.7	152	46.0	28	180	52
Corvallis, Lebanon, Madras Oregon	1946	DH141944-COR	2	49.1	98.5	56	83.0	1.9	1	9.5	4.14	45.9	158	49.9	14	163	53
Corvallis, Lebanon, Madras Oregon	1947	DH141951-COR	2	50.0	96.3	54	80.7	2.0	1	9.9	4.79	49.2	158	45.8	273	178	42
Corvallis, Lebanon, Madras Oregon	1948	DH142032-COR	2	44.9	98.2	51	82.1	1.9	1	11.9	4.56	40.4	265	57.5	81	205	70
Corvallis, Lebanon, Madras Oregon	1949	DH142033-COR	2	48.8	99.4	53	80.1	1.7	1	12.6	5.50	44.7	299	49.8	118	200	60
Corvallis, Lebanon, Madras Oregon	1950	DH142042-COR	2	48.8	97.6	42	80.3	1.8	1	13.1	4.45	36.5	284	42.2	120	176	45
Corvallis, Lebanon, Madras Oregon	1951	DH150054-COR	2	44.0	98.6	52	83.0	2.4	1	8.9	3.69	43.9	134	49.3	32	161	50
Corvallis, Lebanon, Madras Oregon	1952	DH150119-COR	2	51.1	98.5	58	82.9	1.8	1	12.0	4.78	42.3	217	47.3	138	214	63
Corvallis, Lebanon, Madras Oregon	1953	DH150120-COR	2	52.7	99.0	53	83.4	1.8	1	10.6	5.26	52.6	182	44.2	84	185	55
Corvallis, Lebanon, Madras Oregon	1954	DH150151-COR	2	42.3	95.2	60	81.8	2.3	1	10.7	5.67	55.2	146	105.9	22	289	56
Corvallis, Lebanon, Madras Oregon	1955	DH150152-COR	2	45.5	97.7	67	82.8	2.9	1	11.2	6.37	58.6	138	94.5	16	350	58
Corvallis, Lebanon, Madras Oregon	1956	DH150154-COR	2	43.4	95.6	69	81.5	2.6	1	11.6	4.38	40.5	123	84.9	41	315	66
Corvallis, Lebanon, Madras Oregon	1957	DH150605-COR	2	51.9	99.1	42	79.6	2.3	1	12.7	4.11	34.6	218	44.5	128	159	46
Corvallis, Lebanon, Madras Oregon	1958	DH150608-COR	2	50.4	98.7	38	80.7	2.0	1	13.4	4.14	31.3	236	52.9	118	164	44
	1959	CONRAD MALT CHECK	2	40.8	96.7	56	82.9	1.9	1	12.6	5.42	44.9	161	91.3	123	264	65
Corvallis, Lebanon, Madras Oregon	1960	DH150609-COR	2	44.8	98.0	58	82.9	2.3	1	11.1	4.18	39.9	204	80.8	20	270	61
Corvallis, Lebanon, Madras Oregon	1961	DH150613-COR	2	50.8	99.1	46	81.4	2.3	1	11.9	3.45	29.6	191	42.8	306	166	43
Corvallis, Lebanon, Madras Oregon	1962	DH150681-COR	2	51.6	99.3	47	81.0	2.6	1	12.9	6.21	50.0	224	52.2	57	238	55
Corvallis, Lebanon, Madras Oregon	1963	DH150682-COR	2	53.2	99.2	51	81.9	2.6	1	11.7	4.06	35.2	225	54.4	35	215	61
Corvallis, Lebanon, Madras Oregon	1964	DH150683-COR	2	50.6	97.8	50	84.0	2.4	1	10.7	4.69	46.2	167	72.7	24	278	65
Corvallis, Lebanon, Madras Oregon	1965	DH150685-COR	2	50.0	96.4	47	79.7	2.3	1	13.0	3.88	32.0	220	40.3	99	194	47
Corvallis, Lebanon, Madras Oregon	1966	DH150686-COR	2	51.9	98.5	50	84.0	2.6	1	11.2	5.31	49.3	204	71.5	40	278	65
Corvallis, Lebanon, Madras Oregon	1967	DH150687-COR	2	52.7	98.7	46	81.3	2.4	1	12.1	4.13	36.2	191	40.2	77	183	56
Corvallis, Lebanon, Madras Oregon	1968	DH150713-COR	2	49.3	98.7	49	81.6	1.8	1	11.1	3.28	30.5	176	42.3	158	157	43
Corvallis, Lebanon, Madras Oregon	1969	DH150715-COR	2	44.6	93.2	48	82.5	2.5	1	10.1	4.80	48.4	154	72.2	94	233	60
Corvallis, Lebanon, Madras Oregon	1970	DH150718-COR	2	45.0	92.7	50	79.6	4.9	2	12.7	5.43	44.2	163	43.5	326	180	51
Corvallis, Lebanon, Madras Oregon	1971	DH150720-COR	2	45.6	95.0	53	82.1	2.5	1	11.6	4.84	44.2	192	78.5	68	329	70
Corvallis, Lebanon, Madras Oregon	1972	DH150726-COR	2	45.3	94.8	55	83.1	2.7	1	10.3	4.52	46.2	149	68.7	57	279	65
Corvallis, Lebanon, Madras Oregon	1973	DH150728-COR	2	41.6	92.6	45	83.8	2.4	1	10.8	5.98	59.3	154	115.6	41	287	55
Corvallis, Lebanon, Madras Oregon	1974	DH150963-COR	2	35.9	81.4	57	79.1	4.0	1	13.0	7.58	60.0	213	140.5	20	332	37
Corvallis, Lebanon, Madras Oregon	1975	DH150965-COR	2	48.6	96.6	61	81.3	2.9	1	11.7	5.05	45.9	216	141.2	25	333	70
Corvallis, Lebanon, Madras Oregon	1976	DH141514-COR	2	36.1	89.0	48	81.5	3.5	1	10.5	4.85	48.0	119	39.5	450	164	31
Corvallis, Lebanon, Madras Oregon	1977	DH141515-COR	2	40.8	95.7	51	82.8	2.0	1	11.0	3.90	36.4	144	51.4	113	184	51
Corvallis, Lebanon, Madras Oregon	1978	DH141969-COR	2	43.1	97.2	52	81.4	1.8	1	11.8	4.85	42.0	179	44.4	86	158	62
Corvallis, Lebanon, Madras Oregon	1979	DH141973-COR	2	39.1	95.3	55	81.6	1.8	1	11.7	4.28	38.8	157	51.1	385	193	51
Corvallis, Lebanon, Madras Oregon	1980	DH141974-COR	2	36.2	86.8	59	80.3	1.8	1	11.0	4.17	38.8	146	37.8	301	151	32
Corvallis, Lebanon, Madras Oregon	1981	DH141982-COR	2	41.3	96.8	49	81.1	1.9	1	11.7	4.38	38.4	152	46.1	134	192	53
Corvallis, Lebanon, Madras Oregon	1982	DH141995-COR	2	41.0	93.0	61	81.5	1.8	1	10.4	4.56	45.9	141	42.2	307	170	49

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Corvallis, Lebanon, Madras Oregon	1983	DH141999-COR	2	45.0	96.7	42	80.7	1.8	1	11.0	4.70	44.1	162	48.9	314	184	55
Corvallis, Lebanon, Madras Oregon	1984	DH142003-COR	2	32.6	80.2	44	79.0	2.3	1	12.4	4.34	37.9	134	37.6	473	151	26
Corvallis, Lebanon, Madras Oregon	1985	DH142008-COR	2	38.2	90.6	43	79.8	1.9	1	11.7	4.68	41.8	175	43.3	438	180	52
Corvallis, Lebanon, Madras Oregon	1986	DH142009-COR	2	38.6	90.6	51	80.0	1.8	1	12.4	4.87	40.6	184	48.3	533	199	54
Corvallis, Lebanon, Madras Oregon	1987	DH150097-COR	2	38.5	91.6	44	81.9	3.7	2	10.7	4.64	47.6	147	46.5	222	203	46
Corvallis, Lebanon, Madras Oregon	1988	DH150100-COR	2	41.5	93.6	37	80.0	2.5	1	12.3	4.52	38.8	192	39.0	294	171	42
Corvallis, Lebanon, Madras Oregon	1989	DH150103-COR	2	40.8	94.8	39	80.5	2.8	2	11.5	4.45	41.4	177	42.3	369	166	50
	1990	CONRAD MALT CHECK	2	40.0	97.2	53	82.3	2.1	1	12.4	5.37	45.8	140	87.2	259	250	62
Corvallis, Lebanon, Madras Oregon	1991	DH150104-COR	2	39.2	90.8	64	82.8	1.9	1	11.3	5.12	47.6	181	54.4	85	230	62
Corvallis, Lebanon, Madras Oregon	1992	DH141970-COR	2	36.6	82.3	55	82.3	3.0	1	10.2	4.73	50.0	116	54.0	63	221	47
Corvallis, Lebanon, Madras Oregon	1993	DH141976-COR	2	36.0	92.3	43	79.9	3.2	2	10.8	4.22	42.2	132	38.4	420	152	33
St. Paul, MN	1994	Vincenta	2	46.3	98.6	41	81.9	1.6	1	11.8	5.01	44.8	166	52.5	64	207	70
St. Paul, MN	1995	6W11-0064	6	30.9	81.9	40	79.9	2.1	1	12.0	5.04	44.9	235	65.2	115	237	65
St. Paul, MN	1996	6W11-0003	6	32.8	82.8	47	81.2	1.8	1	11.6	4.85	44.8	197	67.4	240	222	59
St. Paul, MN	1997	Endeavor	2	35.5	91.6	44	82.5	2.2	1	11.1	5.23	49.5	167	115.3	64	270	60
St. Paul, MN	1998	SU-Mateo	2	42.6	98.3	46	79.4	n.d.	3	12.3	4.67	39.0	178	43.0	229	158	42
St. Paul, MN	1999	Charles	2	35.8	93.9	44	83.2	2.2	1	11.2	5.41	50.4	145	114.3	175	288	53
St. Paul, MN	2000	Thoroughbred	6	33.4	97.5	36	79.9	1.6	1	11.0	4.27	42.4	119	49.1	391	165	36
St. Paul, MN	2001	10/069/1	6	40.3	96.2	35	80.8	n.d.	3	10.5	4.34	44.2	134	40.9	211	155	38
St. Paul, MN	2002	10.0777	2	40.1	96.5	42	82.9	2.4	1	14.0	6.37	46.7	216	128.0	43	357	52
St. Paul, MN	2003	Puffin	2	41.1	96.9	36	79.0	2.1	2	14.3	5.19	38.9	138	48.0	285	221	37
St. Paul, MN	2004	DH130004	2	43.8	95.8	39	78.2	3.5	1	17.8	7.34	42.0	229	90.6	82	383	47
St. Paul, MN	2005	6W13-7041	6	34.6	94.5	55	78.7	1.7	1	13.1	4.81	37.5	149	64.0	298	188	46
St. Paul, MN	2006	MW11S4024-004	6	34.8	95.9	48	80.7	2.3	2	11.3	4.90	44.7	173	66.0	156	207	56
St. Paul, MN	2007	05ARS561-208	2	34.3	90.8	45	82.1	1.8	1	12.5	5.52	47.7	161	108.5	349	272	53
St. Paul, MN	2008	04ARS640-1	2	40.3	93.9	41	81.8	2.1	1	13.5	5.97	44.7	195	99.1	177	292	53
St. Paul, MN	2009	Wintmalt	2	39.6	94.6	45	78.9	1.5	1	13.8	4.80	35.0	197	64.5	87	187	44
St. Paul, MN	2010	Hirondella (08/258/17)	6	38.0	95.7	54	79.2	1.7	1	13.0	4.54	37.2	176	49.9	316	167	43
St. Paul, MN	2011	02Ab669	2	36.4	90.3	44	83.1	2.0	1	12.6	5.59	47.3	158	112.4	121	283	56
St. Paul, MN	2012	Calypso	2	48.2	97.3	54	80.7	1.4	1	14.1	4.81	35.5	211	50.1	148	186	46
St. Paul, MN	2013	Strider	6	20.3	87.9	46	77.8	n.d.	3	13.3	4.18	33.7	69	41.9	613	142	23
St. Paul, MN	2014	McGregor	6	34.8	94.7	36	79.7	1.6	1	11.0	4.30	42.7	93	51.6	429	160	39
St. Paul, MN	2015	06ARS633-10	2	34.3	77.0	55	81.0	2.6	1	13.6	6.00	47.0	121	97.5	432	322	39
St. Paul, MN	2016	MW11S4029-002	6	31.7	86.3	54	80.9	2.0	1	11.7	5.27	46.9	177	67.8	321	240	62
St. Paul, MN	2017	MW12_4042-002	6	34.1	92.0	51	79.1	n.d.	3	12.8	5.10	41.8	182	64.9	507	227	52
St. Paul, MN	2018	10.086	2	36.2	94.3	48	82.3	2.6	1	12.3	6.05	49.6	140	96.5	71	285	53
St. Paul, MN	2019	6W13-7145	6	34.4	94.6	63	79.8	1.9	1	12.1	5.56	49.1	180	77.8	304	234	58
St. Paul, MN	2020	MW12_4007-008	6	31.8	94.6	50	82.3	2.4	1	12.5	6.21	53.5	176	100.2	111	287	57
	2021	LACEY MALT CHECK	6	33.0	89.6	44	80.2	3.2	1	13.3	6.10	48.9	174	93.0	51	268	58
St. Paul, MN	2022	Charles D1	2	36.3	98.6	46	82.9	2.7	1	12.2	5.98	51.4	157	111.6	85	291	56
St. Paul, MN	2023	McGregor D1	6	34.2	95.9	38	80.6	2.3	1	10.2	4.70	48.0	75	59.2	316	155	34
St. Paul, MN	2024	Maja D1	6	29.6	86.5	62	80.2	2.4	2	10.2	4.76	47.7	166	63.5	141	197	43
St. Paul, MN	2025	Charles D2	2	38.3	99.0	44	84.5	2.7	1	10.2	5.46	57.2	140	112.6	35	258	57
St. Paul, MN	2026	McGregor D2	6	34.7	98.2	35	80.4	2.1	1	10.1	4.51	46.9	71	55.9	343	136	39
St. Paul, MN	2027	Maja D2	6	29.7	88.2	59	81.3	2.3	2	10.2	4.80	50.7	151	66.0	68	195	50
St. Paul, MN	2028	Charles D3	2	35.2	97.2	48	84.5	2.8	1	10.4	5.49	58.2	129	111.7	39	249	55
St. Paul, MN	2029	McGregor D3	6	34.6	98.8	38	80.2	2.2	1	10.6	4.52	45.0	70	53.0	410	135	39
St. Paul, MN	2030	Maja D3	6	29.0	88.7	66	80.9	n.d.	3	11.0	4.97	47.7	164	62.6	129	192	45
St. Paul, MN	2031	Charles D4	2	36.4	97.9	60	83.7	2.5	1	10.4	5.55	55.9	141	114.7	70	257	55
St. Paul, MN	2032	McGregor D4	6	36.2	99.2	40	79.8	2.2	2	10.4	4.17	43.4	74	48.8	449	115	35
St. Paul, MN	2033	Maja D4	6	30.9	95.2	66	80.1	2.7	2	10.6	4.86	47.2	164	63.7	165	189	45
St. Paul, MN	2034	Charles	2	39.1	97.7	67	84.2	2.1	1	11.1	5.54	54.2	159	108.5	145	245	58
St. Paul, MN	2035	Endeavor	6	37.6	96.7	74	82.4	2.0	1	11.2	5.34	51.6	163	101.2	266	214	53
St. Paul, MN	2036	Maja	6	31.8	94.5	80	81.0	n.d.	3	11.5	4.85	44.6	174	59.9	168	191	57
St. Paul, MN	2037	McGregor	6	37.0	98.5	56	80.3	2.5	2	10.1	4.53	46.7	71	50.0	476	130	35

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	2038	MW11S3037-011	6	36.5	96.7	64	79.7	1.7	1	11.0	4.53	44.1	131	51.3	434	133	43
St. Paul, MN	2039	MW11S4019-008	6	32.0	88.6	75	80.2	1.9	1	10.6	4.68	45.7	141	51.1	365	162	45
St. Paul, MN	2040	MW11S4024-004	6	34.6	95.4	72	81.0	n.d.	3	10.8	4.82	47.8	157	62.2	230	160	42
St. Paul, MN	2041	MW11S4029-002	6	32.5	85.9	80	82.2	n.d.	3	10.1	4.85	50.5	173	62.7	219	174	42
St. Paul, MN	2042	MW12_4007-001	6	33.1	94.1	69	80.6	n.d.	3	11.8	5.27	45.9	181	65.1	256	189	56
St. Paul, MN	2043	MW12_4007-008	6	30.9	88.6	73	81.9	2.0	2	11.9	5.66	50.5	183	93.4	129	237	59
St. Paul, MN	2044	MW12_4028-007	6	28.2	72.9	58	80.8	1.7	1	10.9	4.94	45.6	173	69.5	354	183	41
St. Paul, MN	2045	MW13_4101-006	6	32.6	95.6	67	81.6	n.d.	3	11.0	5.11	50.1	183	65.3	220	183	42
St. Paul, MN	2046	MW13_4107-010	6	32.1	86.3	65	82.2	2.0	1	10.5	5.22	50.2	177	75.0	147	216	56
St. Paul, MN	2047	MW13_4122-001	6	33.8	96.3	80	80.5	1.8	1	10.8	4.73	47.7	158	61.5	412	159	41
St. Paul, MN	2048	MW13_4122-006	6	32.4	93.2	75	82.1	1.8	1	9.8	4.80	54.6	122	76.2	355	176	38
St. Paul, MN	2049	MW13_4122-012	6	32.3	90.5	83	81.7	n.d.	3	9.6	4.80	52.6	144	62.0	178	168	39
St. Paul, MN	2050	MW13_4132-006	6	29.4	78.5	70	81.9	2.4	1	10.4	4.98	51.4	175	86.4	283	201	44
St. Paul, MN	2051	MW13_4135-007	6	30.3	88.6	88	81.3	2.1	1	9.9	4.93	53.5	126	71.0	324	192	43
	2052	LACEY MALT CHECK	6	33.4	89.0	40	80.4	2.7	1	12.9	5.95	46.8	175	85.3	50	252	66
St. Paul, MN	2053	MW13_4148-012	6	29.5	90.0	90	81.3	2.7	2	11.8	5.12	47.5	211	73.7	176	202	50
St. Paul, MN	2054	MW13_4159-012	6	32.4	93.2	84	81.6	1.7	1	10.5	4.72	48.6	126	60.1	191	204	43
St. Paul, MN	2055	MW13_4165-009	6	30.3	78.4	77	80.6	1.9	1	13.0	5.47	45.6	221	86.8	119	250	67
St. Paul, MN	2056	EMILY	6	42.1	99.1	39	80.4	2.0	1	11.1	4.61	43.8	102	57.9	204	139	39
St. Paul, MN	2057	JB05-5401/06	6	39.9	99.6	45	81.2	n.d.	3	10.8	4.32	41.6	153	28.5	82	131	39
St. Paul, MN	2058	JB05-5401/11	6	42.8	99.5	48	82.6	2.8	2	10.7	4.34	44.6	145	35.6	45	129	45
St. Paul, MN	2059	LCS-ARCHER	6	44.5	97.2	43	78.8	2.1	1	11.0	4.31	42.0	129	34.4	392	129	33
St. Paul, MN	2060	LCS-CALIFORNIA	6	42.6	98.4	39	82.3	2.0	1	11.1	4.78	44.4	143	46.9	84	161	50
St. Paul, MN	2061	LP2761	6	41.8	98.6	56	81.9	2.5	2	10.8	4.82	48.3	135	63.0	96	186	47
St. Paul, MN	2062	LP6756	6	46.3	99.1	47	83.2	1.9	1	11.3	4.59	43.9	120	49.4	51	160	47
St. Paul, MN	2063	SY VENTURE	6	41.8	99.1	44	82.3	1.9	1	10.8	4.58	44.7	133	57.0	62	167	50
Tulelake, CA	2064	IAF-01	2	51.9	98.8	56	82.7	1.7	1	11.7	4.95	45.0	124	75.6	446	199	63
Tulelake, CA	2065	IAF-02	2	34.8	88.4	65	76.1	1.5	1	13.9	4.19	30.2	196	58.0	385	129	22
Tulelake, CA	2066	IAF-03	2	36.2	91.8	56	76.3	1.5	1	13.4	4.07	31.8	193	59.7	378	135	29
Tulelake, CA	2067	IAF-04	2	38.5	87.7	68	78.1	1.9	1	13.9	5.04	37.4	206	120.0	283	219	37
Tulelake, CA	2068	IAF-05	2	33.2	75.4	62	75.7	1.6	1	13.2	4.11	33.0	169	51.9	387	141	24
Tulelake, CA	2069	BAF-01	2	36.7	96.2	44	81.7	1.8	1	7.7	3.42	48.6	108	65.3	36	132	40
Tulelake, CA	2070	BAF-02	2	33.1	87.5	51	79.1	1.7	1	9.8	3.75	39.8	156	64.3	111	121	31
Tulelake, CA	2071	BAF-03	2	36.1	97.7	50	81.7	1.9	1	7.5	3.28	49.4	100	58.4	60	105	40
Tulelake, CA	2072	BAF-04	2	36.2	96.0	41	81.5	1.8	1	7.3	3.43	53.5	107	62.9	42	137	40
Tulelake, CA	2073	BAF-05	2	31.8	80.7	44	79.5	1.6	1	9.4	3.61	42.7	133	60.8	330	128	33
Tulelake, CA	2074	BAF-06	2	33.7	93.1	38	81.4	1.8	1	8.2	3.44	47.8	112	62.6	61	127	40
Tulelake, CA	2075	BAF-07	2	37.6	97.4	35	81.2	2.0	1	7.8	3.39	48.3	102	62.9	77	129	40
Tulelake, CA	2076	BAF-08	2	34.4	93.2	37	80.6	1.6	1	9.2	3.63	43.6	126	66.8	124	126	41
Tulelake, CA	2077	BAF-09	2	37.7	97.2	43	80.6	1.6	1	8.8	3.42	43.3	117	61.6	186	129	35
Tulelake, CA	2078	BAF-10	2	35.5	95.4	42	81.0	1.8	1	8.4	3.48	46.3	121	64.4	85	127	45
Tulelake, CA	2079	BAF-11	2	31.1	77.3	45	78.6	1.7	1	10.3	3.93	40.9	168	73.3	322	149	30
Tulelake, CA	2080	BAF-12	2	35.1	89.2	49	80.8	1.8	1	8.2	3.55	47.0	132	70.4	67	145	43
Tulelake, CA	2081	BAF-13	2	27.4	51.1	67	76.8	1.9	1	10.6	4.10	39.6	218	62.0	199	166	24
Tulelake, CA	2082	ASM-01	2	44.4	95.9	36	79.1	1.7	1	14.4	4.99	36.0	230	52.8	391	217	42
	2083	CONRAD MALT CHECK	2	40.8	96.2	55	81.9	2.0	1	12.4	5.22	44.4	160	95.6	191	278	62
Tulelake, CA	2084	ASM-02	2	47.0	93.9	37	81.7	1.7	1	12.4	4.57	39.8	82	53.6	667	204	51
Tulelake, CA	2085	ASM-03	2	36.3	91.5	31	77.6	2.1	2	14.1	4.45	33.1	163	50.5	535	181	30
Tulelake, CA	2086	ASM-04	2	37.5	88.0	32	76.3	1.8	1	14.4	4.27	30.3	156	39.8	626	169	15
Tulelake, CA	2087	APB-01	2	46.5	97.7	67	82.4	1.7	1	12.2	4.81	41.2	152	68.9	166	234	63
Tulelake, CA	2088	APB-02	2	39.6	91.5	54	76.4	1.7	1	15.6	4.89	33.0	166	59.5	681	212	35
Tulelake, CA	2089	APB-03	2	41.0	95.6	34	76.5	1.5	1	15.3	4.59	31.5	195	61.7	426	176	32
Tulelake, CA	2090	APB-04	2	44.1	92.4	56	81.6	2.3	1	15.2	6.38	43.9	165	93.8	328	362	46
Tulelake, CA	2091	APB-05	2	44.9	97.4	69	80.8	2.2	1	14.8	5.97	43.1	184	110.7	310	300	46
Tulelake, CA	2092	APB-06	2	45.8	97.3	57	82.3	1.7	1	12.9	4.90	40.8	162	69.7	191	236	63

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Tulelake, CA	2093	APB-07	2	43.9	93.9	63	78.0	1.7	1	13.9	4.79	36.1	125	83.5	347	210	42
Tulelake, CA	2094	APB-08	2	49.9	96.8	67	78.7	2.3	2	14.9	4.85	33.2	126	68.3	496	171	36
Tulelake, CA	2095	APB-09	2	44.4	97.1	60	78.1	1.9	1	13.5	4.82	37.9	107	72.1	396	226	44
Tulelake, CA	2096	APB-10	2	43.7	96.8	69	79.4	1.7	2	14.4	4.54	32.0	119	58.9	575	185	39
Tulelake, CA	2097	APB-11	2	44.8	98.3	74	81.7	2.0	1	13.4	5.79	46.2	189	83.2	251	300	54
Tulelake, CA	2098	APB-12	2	41.2	95.0	62	79.7	1.6	1	12.3	4.24	36.7	136	62.7	330	182	48
Tulelake, CA	2099	APB-13	2	40.6	89.8	63	77.8	2.1	1	14.8	4.89	35.3	149	63.0	616	236	35
Tulelake, CA	2100	APB-14	2	38.5	95.3	61	79.7	n.d.	3	12.7	4.74	38.2	112	52.4	528	204	47
Tulelake, CA	2101	APB-15	2	44.0	97.0	69	78.9	2.4	2	11.6	4.62	41.0	89	63.2	546	201	49
Tulelake, CA	2102	APB-16	2	43.0	96.8	52	77.4	1.9	1	13.9	4.56	34.4	109	60.5	519	201	35
Tulelake, CA	2103	1	2	44.1	94.2	52	79.7	2.2	1	13.2	5.09	39.7	206	91.8	281	244	50
Tulelake, CA	2104	2	2	45.6	97.6	62	79.4	2.0	1	14.6	5.19	38.1	238	81.8	305	246	45
Tulelake, CA	2105	3	2	48.8	97.8	54	80.1	2.7	1	14.1	5.39	38.5	205	71.4	459	259	45
Tulelake, CA	2106	4	2	44.7	95.2	47	78.1	2.4	1	14.3	4.96	36.4	222	55.0	463	201	42
Tulelake, CA	2107	5	2	45.3	96.5	58	79.4	2.2	1	14.6	5.14	37.1	200	70.5	326	223	42
Tulelake, CA	2108	6	2	51.0	99.4	46	79.0	2.0	1	14.9	4.97	33.7	184	69.8	546	188	40
Tulelake, CA	2109	7	2	45.1	95.3	54	78.1	2.0	1	14.3	4.92	36.9	206	68.9	314	212	42
Tulelake, CA	2110	8	2	53.0	99.2	42	78.9	1.8	1	13.5	4.71	37.0	177	56.0	479	199	42
Tulelake, CA	2111	9	2	46.8	97.6	51	79.5	2.1	1	14.1	5.02	37.0	188	69.2	331	218	45
Fargo, ND	2112	ROBUST	6	35.9	94.9	37	80.6	2.2	1	14.1	5.85	44.0	197	75.4	200	282	49
Fargo, ND	2113	LACEY	6	36.3	95.1	38	80.6	2.2	1	14.8	5.72	40.7	212	90.2	103	269	51
	2114	LACEY MALT CHECK	6	33.4	88.9	44	80.4	2.9	1	13.3	5.89	46.8	156	82.3	53	280	66
Fargo, ND	2115	TRADITION	6	35.4	94.4	42	80.8	2.3	1	14.0	5.64	42.0	224	98.4	222	260	58
Fargo, ND	2116	STELLAR-ND	6	35.6	94.5	41	80.9	3.2	1	13.4	6.08	48.3	204	102.5	85	284	58
Fargo, ND	2117	QUEST	6	34.5	94.9	37	80.1	2.4	1	14.4	5.96	42.2	198	97.7	254	284	49
Fargo, ND	2118	ND36111	6	35.6	95.2	41	80.0	3.6	2	13.6	6.19	47.5	162	91.0	147	287	48
Fargo, ND	2119	ND36114	6	32.9	91.1	40	79.0	3.1	1	12.8	5.92	47.9	172	101.9	81	285	58
Fargo, ND	2120	ND36119	6	34.7	93.4	47	78.7	3.0	1	14.2	5.94	42.8	173	93.8	98	270	53
Fargo, ND	2121	ND36124	6	39.3	96.7	41	79.4	3.2	2	14.2	6.10	46.2	172	84.3	150	292	48
Fargo, ND	2122	ND36136	6	35.6	91.1	39	78.9	3.1	1	14.0	6.04	44.4	195	99.7	126	273	46
Fargo, ND	2123	ND36137	6	34.4	92.2	40	79.9	3.4	1	13.8	6.14	47.8	156	94.2	140	278	49
Fargo, ND	2124	ND36138	6	33.6	92.4	44	79.6	3.1	1	13.8	5.97	45.7	159	97.5	112	281	61
Fargo, ND	2125	ND36140	6	34.6	93.6	46	79.3	2.9	1	13.8	6.01	46.2	174	90.2	131	262	54
Fargo, ND	2126	ND36142	6	35.2	95.2	42	79.0	2.7	1	14.1	5.81	43.6	147	84.9	178	264	49
Fargo, ND	2127	ND36150	6	34.4	91.4	34	79.3	2.4	1	14.5	5.90	42.0	185	85.0	217	259	44
Fargo, ND	2128	ND36151	6	34.2	93.8	36	79.0	3.2	1	13.8	5.85	42.6	168	79.3	174	265	51
Fargo, ND	2129	ND36160	6	34.0	89.5	26	80.0	3.2	1	14.0	6.14	47.2	161	97.1	129	282	49
Fargo, ND	2130	ND36161	6	33.4	92.6	37	80.7	3.3	1	13.1	5.81	45.5	168	93.2	120	282	62
Fargo, ND	2131	ND36162	6	34.2	94.1	36	80.5	2.8	1	13.5	5.94	44.9	177	91.8	174	275	54
Fargo, ND	2132	ND36163	6	34.8	92.8	38	79.4	3.2	1	13.9	5.72	43.6	181	94.9	135	267	57
Fargo, ND	2133	ND36173	6	34.8	91.4	34	79.4	3.4	1	14.0	6.03	45.4	178	90.9	160	297	49
Fargo, ND	2134	ND36174	6	33.5	91.1	37	80.0	3.0	1	13.2	5.20	41.2	174	91.4	186	269	54
Fargo, ND	2135	ND36176	6	35.1	93.9	39	80.2	3.1	1	13.8	5.73	44.3	161	81.9	301	252	54
Fargo, ND	2136	ND36177	6	35.6	93.8	37	79.9	3.2	1	13.6	5.68	44.6	159	83.7	192	249	58
Fargo, ND	2137	ND36181	6	33.7	93.7	30	80.5	3.9	1	12.4	5.54	48.0	99	92.1	236	287	51
Fargo, ND	2138	ND36190	6	34.6	93.7	34	79.5	3.1	1	14.0	5.78	44.4	162	85.9	311	252	54
Fargo, ND	2139	ND36191	6	35.5	96.1	35	80.5	3.1	1	14.0	5.76	43.4	169	91.7	218	277	49
Fargo, ND	2140	ND36196	6	32.6	91.3	35	79.4	3.4	1	13.5	6.02	48.0	175	97.1	140	264	54
Fargo, ND	2141	ND36198	6	32.7	96.0	40	79.7	3.7	1	14.3	6.54	49.1	165	95.9	81	303	48
Fargo, ND	2142	ND36201	6	35.9	96.2	33	81.5	3.6	1	11.7	5.50	47.9	111	98.5	254	284	51
Fargo, ND	2143	ND36217	6	35.0	94.5	34	80.4	3.3	1	12.9	5.91	47.3	161	88.1	110	285	61
Fargo, ND	2144	ND36219	6	34.8	92.5	40	80.2	2.9	1	13.7	5.95	46.2	192	88.1	196	276	54
	2145	LACEY MALT CHECK	6	33.2	89.8	44	80.3	3.1	2	13.1	5.82	46.6	166	81.1	69	282	65
Fargo, ND	2146	ND36220	6	36.6	95.1	42	79.5	3.2	1	14.3	6.06	45.0	177	90.9	123	304	49
Fargo, ND	2147	ND36225	6	35.5	91.9	40	79.6	2.9	1	13.9	5.74	43.8	169	85.0	199	284	54

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	2148	1 - Champion	2	47.0	99.9	90	79.5	1.5	2	12.5	3.97	33.1	116	47.2	566	134	36
Bozeman, MT	2149	2 - Conrad	2	39.0	95.6	89	77.9	1.6	1	13.6	4.80	35.7	199	84.7	296	200	35
Bozeman, MT	2150	3 - Geraldine	2	42.9	99.5	92	80.1	1.8	1	13.3	4.64	37.0	141	89.3	207	198	50
Bozeman, MT	2151	4 - Harrington	2	41.2	96.6	85	79.8	1.6	1	13.6	4.73	37.4	204	85.4	384	200	44
Bozeman, MT	2152	5 - Haxby	2	46.5	99.9	74	78.7	n.d.	3	13.3	3.79	29.6	87	54.8	539	130	26
Bozeman, MT	2153	6 - Hays	2	37.5	79.7	96	75.2	1.9	2	14.3	3.78	27.4	137	41.4	742	117	12
Bozeman, MT	2154	7 - Hockett	2	48.7	99.8	91	81.9	1.5	1	13.0	4.88	39.7	203	95.3	244	196	53
Bozeman, MT	2155	8 - Lavina	2	34.0	73.4	91	74.8	2.2	2	13.9	3.64	26.8	129	51.3	771	119	15
Bozeman, MT	2156	9 - Metcalfe	2	42.7	99.9	93	82.0	1.9	1	12.3	4.92	41.1	197	113.2	100	244	70
Bozeman, MT	2157	10 - Scarlett	2	41.2	99.9	84	80.0	n.d.	3	13.3	4.38	34.1	144	66.0	385	114	38
Bozeman, MT	2158	11 - Stellar	2	40.0	99.9	97	79.8	n.d.	3	13.5	5.00	40.0	240	76.0	181	190	50
Bozeman, MT	2159	12 - Stepford	2	41.2	96.7	90	72.6	n.d.	3	12.9	3.87	30.2	68	30.3	870	100	19
Bozeman, MT	2160	13 - UT10902-91	2	41.4	97.2	88	76.7	1.5	1	12.9	4.00	32.4	131	41.4	591	126	35
Bozeman, MT	2161	14 - UT10905-72	2	43.9	99.9	91	77.1	1.7	2	12.3	3.81	33.0	95	36.6	635	109	21
Bozeman, MT	2162	15 - UT10905-91	2	41.7	99.9	86	80.2	1.4	1	11.9	3.93	35.4	119	40.6	621	122	36
Bozeman, MT	2163	16 - 11WA-107.58	2	44.7	99.9	87	79.5	1.3	1	12.6	4.30	36.3	121	49.2	576	127	43
Bozeman, MT	2164	17 - 12WA-120.14	2	46.8	99.4	86	79.6	1.4	1	14.1	4.89	35.9	182	67.4	390	197	45
Bozeman, MT	2165	18 - 12WA-120.17	2	48.3	99.9	82	79.3	1.5	1	14.1	4.91	37.0	178	65.6	284	211	42
Bozeman, MT	2166	19 - 2B10-4162	2	41.7	99.9	90	81.1	1.6	1	12.7	5.11	42.0	184	88.7	120	218	65
Bozeman, MT	2167	20 - 2B11-4949	2	42.9	99.8	88	82.5	2.2	1	13.5	5.65	44.8	201	85.5	100	281	57
Bozeman, MT	2168	21 - 2B11-5166	2	42.9	99.9	91	83.3	2.1	1	12.2	5.55	48.1	158	99.0	168	212	58
Bozeman, MT	2169	22 - 06MT-26	2	47.5	99.8	91	78.1	1.2	1	12.7	3.97	31.4	124	43.6	695	101	37
Bozeman, MT	2170	23 - 06MT-29	2	42.6	99.8	79	77.7	n.d.	3	13.5	4.17	32.3	130	54.8	551	124	27
Bozeman, MT	2171	24 - 06MT-57	2	42.0	96.1	92	76.7	1.3	1	14.8	4.42	32.0	169	61.3	576	129	32
Bozeman, MT	2172	25 - 07MT-21	2	42.4	99.3	82	79.8	1.7	1	13.8	4.97	38.3	140	69.0	296	206	45
Bozeman, MT	2173	26 - MT070144	2	42.5	99.9	81	78.1	1.2	1	14.1	4.20	31.4	167	60.5	538	122	33
Bozeman, MT	2174	27 - MT080192	2	44.1	99.9	81	78.6	1.7	2	12.3	4.24	35.6	135	41.1	630	82	39
Bozeman, MT	2175	28 - 08MT-68	2	44.1	97.7	84	78.1	1.3	1	14.1	4.19	30.4	158	45.8	618	89	30
	2176	CONRAD MALT CHECK	2	39.2	96.6	53	82.6	2.1	1	12.3	5.47	47.5	154	91.7	275	245	55
Bozeman, MT	2177	29 - 08MT-93	2	50.2	99.9	87	78.2	n.d.	3	14.4	4.18	31.1	85	46.6	925	120	21
Bozeman, MT	2178	30 - 09MT-08	2	30.9	74.4	99	80.3	1.8	1	11.3	4.38	41.4	145	63.7	642	143	41
Bozeman, MT	2179	31 - MT090169	2	42.8	99.8	87	80.7	1.7	1	12.4	4.88	42.6	151	81.5	262	183	58
Bozeman, MT	2180	32 - MT090184	2	44.0	99.8	89	78.7	1.3	1	13.1	4.48	36.8	201	60.6	387	147	42
Bozeman, MT	2181	33 - 09MT-78	2	46.0	99.8	81	80.6	1.6	1	12.8	4.78	39.5	192	69.7	290	158	50
Bozeman, MT	2182	34 - 09MT-92	2	45.6	99.9	84	79.4	1.3	1	12.5	4.32	35.6	160	57.1	334	81	43
Bozeman, MT	2183	35 - 09MT-94	2	45.0	99.9	91	82.2	2.1	1	11.7	5.33	48.0	122	93.4	344	249	58
Bozeman, MT	2184	36 - MT103038-4	2	36.7	99.7	77	77.1	1.2	1	15.7	4.67	30.6	134	53.4	615	145	28
Bozeman, MT	2185	37 - MT103038-6	2	34.6	96.8	73	76.4	1.5	1	16.9	4.73	29.5	131	56.4	642	159	28
Bozeman, MT	2186	38 - MT103089-3	2	41.2	54.5	78	79.4	1.4	1	14.7	4.21	30.0	95	39.9	781	102	16
Bozeman, MT	2187	39 - MT103097-1	2	48.9	95.0	84	78.3	1.7	1	16.3	4.85	30.7	159	52.6	559	166	37
Bozeman, MT	2188	40 - MT103101-5	2	52.1	99.7	66	78.7	1.5	1	14.8	4.66	32.7	161	53.1	761	153	37
Bozeman, MT	2189	41 - MT124001	2	44.6	99.9	76	77.8	1.5	1	12.8	5.01	40.3	201	94.0	339	161	48
Bozeman, MT	2190	42 - MT124007	2	45.5	99.8	80	82.5	1.6	1	13.2	5.16	41.0	202	93.0	315	202	58
Bozeman, MT	2191	43 - MT124008	2	46.0	99.9	79	77.7	1.5	1	13.3	5.20	40.4	217	93.2	363	213	48
Bozeman, MT	2192	44 - MT124015	2	47.9	99.8	77	80.1	1.6	1	13.4	5.30	39.9	217	90.4	320	213	50
Bozeman, MT	2193	45 - MT124018	2	47.6	98.7	82	80.6	1.8	1	12.0	4.80	41.2	176	74.9	320	181	58
Bozeman, MT	2194	46 - MT124025	2	47.3	99.9	78	79.8	1.6	1	14.0	4.97	37.2	209	87.3	336	174	40
Bozeman, MT	2195	47 - MT124026	2	46.4	99.9	79	79.9	1.7	1	13.4	4.96	38.4	198	91.5	352	176	45
Bozeman, MT	2196	48 - MT124027	2	45.7	99.8	80	79.8	1.5	1	12.5	4.66	38.2	157	85.4	384	162	50
Bozeman, MT	2197	49 - MT124071	2	44.2	96.2	84	81.6	1.7	1	12.0	4.67	42.5	181	86.5	210	156	58
Bozeman, MT	2198	50 - MT124093	2	50.1	99.9	82	78.7	1.4	1	14.6	4.52	31.3	214	68.0	315	130	37
Bozeman, MT	2199	51 - MT124113	2	51.4	99.9	87	82.4	2.4	1	12.8	5.48	44.7	145	103.8	129	245	66
Bozeman, MT	2200	52 - MT124127	2	45.1	99.8	80	80.6	2.1	1	13.4	5.14	38.4	157	98.4	114	208	53
Bozeman, MT	2201	53 - MT124128	2	48.4	99.9	85	83.1	2.4	1	12.3	5.52	47.2	133	107.5	86	267	65
Bozeman, MT	2202	54 - MT124134	2	50.0	99.9	86	83.3	2.3	1	11.9	5.49	47.5	124	108.3	87	241	65

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Bozeman, MT	2203	55 - MT124148	2	41.7	99.8	82	76.9	1.3	1	13.0	3.85	31.2	126	51.9	459	126	35
Bozeman, MT	2204	56 - MT124163	2	43.1	99.9	88	78.9	1.3	1	12.7	4.16	34.2	110	72.3	272	151	40
Bozeman, MT	2205	57 - MT124164	2	41.2	99.9	81	79.2	1.3	1	12.5	3.94	33.2	90	59.9	312	134	32
Bozeman, MT	2206	58 - MT124361	2	45.5	99.9	87	78.4	1.4	1	13.9	4.86	35.5	210	86.1	394	192	42
	2207	CONRAD MALT CHECK	2	39.9	96.9	53	82.5	2.2	1	12.5	5.32	43.5	138	82.3	272	215	60
Bozeman, MT	2208	59 - MT124370	2	45.4	99.9	83	80.5	1.8	1	12.3	4.73	39.6	188	90.7	315	188	53
Bozeman, MT	2209	60 - MT124380	2	43.9	99.7	84	80.1	1.7	1	12.6	4.75	40.0	172	97.1	299	169	55
Bozeman, MT	2210	61 - MT124601	2	44.0	99.8	84	79.1	1.3	1	12.0	3.88	33.3	153	52.3	538	102	40
Bozeman, MT	2211	62 - MT124659	2	43.9	99.9	76	80.6	1.7	1	12.7	4.55	38.1	128	62.2	234	168	50
Bozeman, MT	2212	63 - MT124664	2	45.6	99.9	87	82.3	2.1	1	12.7	5.27	42.9	142	100.9	182	225	63
Bozeman, MT	2213	64 - MT124677	2	44.7	99.9	91	82.0	2.1	1	12.9	5.07	40.9	146	99.2	220	224	63
Fargo, ND	2214	ROBUST	6	35.8	94.4	34	81.1	2.3	1	13.9	5.77	42.9	201	74.2	268	229	54
Fargo, ND	2215	LACEY	6	37.1	96.7	39	81.4	2.3	1	13.8	5.74	44.2	210	87.6	147	226	57
Fargo, ND	2216	TRADITION	6	35.9	93.4	39	80.7	2.3	1	14.4	5.49	40.4	223	91.0	252	243	48
Fargo, ND	2217	STELLAR-ND	6	36.3	94.9	39	81.9	2.7	1	14.2	6.01	44.1	219	89.3	191	247	46
Fargo, ND	2218	QUEST	6	36.0	95.5	34	81.2	2.2	1	14.4	5.94	43.7	205	93.7	328	264	49
Fargo, ND	2219	ND36228	6	36.1	93.0	32	81.2	2.6	1	13.8	5.83	43.6	178	85.0	250	235	54
Fargo, ND	2220	ND36236	6	39.2	98.2	33	80.6	2.7	1	15.0	6.12	43.1	165	89.7	227	235	46
Fargo, ND	2221	ND36237	6	36.1	95.3	37	80.9	2.8	1	13.1	5.84	45.4	167	86.8	127	262	62
Fargo, ND	2222	ND36246	6	38.1	95.4	42	81.2	3.2	1	12.6	6.03	50.2	153	92.9	139	273	54
Fargo, ND	2223	ND36251	6	38.8	98.0	37	81.0	2.6	1	13.2	5.78	47.0	145	93.9	206	260	54
Fargo, ND	2224	ND36258	6	34.0	94.9	38	82.0	2.7	1	13.4	5.79	44.4	144	85.7	258	247	59
Fargo, ND	2225	ND36259	6	32.5	92.5	39	81.4	2.6	1	13.6	5.71	45.3	138	90.4	261	227	51
Fargo, ND	2226	ND36260	6	37.3	96.9	31	82.3	3.0	1	13.6	5.95	47.0	146	90.0	117	253	56
Fargo, ND	2227	ND36262	6	34.1	95.1	32	81.1	2.7	1	13.0	5.44	44.3	145	93.8	284	218	63
Fargo, ND	2228	ND36270	6	35.3	94.9	32	80.6	3.5	1	13.2	6.04	47.2	130	92.2	193	267	48
Fargo, ND	2229	ND36276	6	34.9	94.4	37	80.9	3.4	1	12.9	6.11	50.4	127	93.6	155	266	51
Fargo, ND	2230	ND36290	6	33.5	95.3	28	80.2	3.2	1	13.2	6.06	48.6	144	90.9	176	265	51
Fargo, ND	2231	ND36291	6	32.5	94.4	30	80.4	3.1	1	13.9	6.33	47.2	164	102.2	177	283	46
Fargo, ND	2232	ND36295	6	35.3	95.2	36	81.1	3.5	1	12.8	6.39	51.8	135	97.7	134	277	51
Fargo, ND	2233	ND36298	6	37.6	97.3	36	81.2	3.6	1	12.7	6.47	52.5	141	97.7	191	271	51
Fargo, ND	2234	ND36299	6	36.0	96.4	25	81.2	3.0	1	13.1	5.94	48.2	148	85.2	227	248	54
Fargo, ND	2235	ND36300	6	37.3	97.0	23	80.9	3.5	1	13.8	6.39	49.0	143	85.5	228	255	46
Fargo, ND	2236	ND36301	6	39.5	97.8	30	80.7	3.1	1	13.1	5.81	46.8	116	85.5	204	250	52
Fargo, ND	2237	ND36302	6	38.2	97.1	26	80.3	3.5	1	13.0	5.95	47.4	130	83.9	207	254	51
	2238	LACEY MALT CHECK	6	33.2	89.3	43	80.0	2.6	2	13.1	5.93	47.7	172	82.7	47	267	60
Fargo, ND	2239	ND36303	6	35.6	96.0	26	81.1	2.7	1	12.3	5.88	50.3	164	89.6	242	244	54
Fargo, ND	2240	ND36305	6	37.9	97.0	26	80.9	3.1	1	12.9	6.18	49.7	142	83.9	234	252	51
Fargo, ND	2241	ND36306	6	37.6	97.2	31	81.0	3.4	1	12.6	6.38	52.0	143	80.6	147	263	54
Fargo, ND	2242	ND36308	6	37.6	96.6	30	81.0	3.1	1	13.3	6.47	50.9	144	84.5	229	271	51
Fargo, ND	2243	ROBUST	6	35.8	94.2	32	80.6	2.4	1	14.6	6.16	45.3	209	74.7	214	252	46
Fargo, ND	2244	LACEY	6	36.7	96.6	29	80.8	2.9	1	13.2	5.96	45.6	188	89.5	105	246	66
Fargo, ND	2245	TRADITION	6	35.6	93.5	35	80.0	2.6	1	14.3	5.84	41.4	207	88.1	255	247	44
Fargo, ND	2246	STELLAR-ND	6	36.9	94.2	38	80.9	3.0	1	13.8	6.07	46.1	201	85.0	158	271	54
Fargo, ND	2247	QUEST	6	35.1	96.2	26	80.6	2.5	1	14.0	6.07	44.3	182	87.8	382	241	51
Fargo, ND	2248	ND36311	6	35.4	95.2	33	80.0	3.3	1	13.3	6.36	50.4	130	83.4	204	245	48
Fargo, ND	2249	ND36314	6	37.9	95.5	34	79.7	3.2	1	13.4	6.24	49.9	138	87.3	220	234	48
Fargo, ND	2250	ND36316	6	37.2	97.2	35	81.1	3.3	1	13.3	6.59	51.0	146	88.4	151	254	54
Fargo, ND	2251	ND36317	6	36.2	94.9	29	80.4	3.0	1	13.2	6.48	50.0	171	88.8	204	276	51
Fargo, ND	2252	ND36318	6	38.5	97.1	28	80.2	2.7	1	12.9	6.03	48.4	142	82.5	172	242	51
Fargo, ND	2253	ND36319	6	38.7	98.1	28	80.5	2.6	1	13.3	5.82	45.3	148	80.2	182	221	59
Fargo, ND	2254	ND36320	6	37.5	96.4	27	80.3	2.9	1	13.4	6.24	47.5	153	82.5	186	227	51
Fargo, ND	2255	ND36321	6	37.2	97.5	14	80.6	2.6	1	12.8	6.02	49.1	142	80.6	159	230	54
Fargo, ND	2256	ND36322	6	36.7	96.5	29	79.7	2.9	1	14.0	6.29	46.7	146	93.3	166	254	54
Fargo, ND	2257	ND36323	6	36.7	97.0	31	80.0	2.9	1	13.8	6.18	46.2	144	90.7	162	227	54

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Fargo, ND	2258	ND36324	6	37.9	97.0	26	80.4	3.1	1	13.5	6.08	48.6	142	84.2	197	257	51
Fargo, ND	2259	ND36325	6	37.0	95.8	25	79.9	3.4	1	13.2	6.71	50.8	140	87.2	186	255	51
Fargo, ND	2260	ND36327	6	36.5	97.0	25	80.4	3.4	1	13.0	6.02	47.6	147	82.1	149	224	54
Fargo, ND	2261	ND36328	6	38.8	97.8	28	79.8	3.5	2	14.1	6.74	51.3	128	85.2	163	251	40
Fargo, ND	2262	ND36329	6	35.8	94.7	30	80.1	3.6	1	12.6	6.48	54.4	113	89.9	133	262	47
Fargo, ND	2263	ND36330	6	35.5	95.4	28	81.0	3.1	1	12.0	6.19	54.1	131	95.1	219	243	48
Fargo, ND	2264	ND36331	6	36.6	98.1	33	80.5	2.6	1	13.1	6.13	48.7	164	91.6	73	234	58
Fargo, ND	2265	ND36332	6	36.9	97.0	29	79.9	2.9	1	13.5	6.12	46.9	166	86.4	162	242	54
Fargo, ND	2266	ND36333	6	39.3	97.8	35	80.3	3.5	1	13.4	6.54	49.3	155	89.9	68	275	58
Fargo, ND	2267	ND36335	6	38.4	97.5	29	80.4	2.8	1	13.3	6.22	48.2	157	85.6	230	246	51
Fargo, ND	2268	ND36336	6	38.0	97.6	28	80.3	3.0	1	13.4	6.13	47.9	164	81.0	193	235	51
	2269	LACEY MALT CHECK	6	32.9	89.3	42	79.8	2.5	1	13.5	5.83	44.4	180	86.0	48	251	61
Fargo, ND	2270	ND36337	6	37.1	97.5	31	80.3	2.9	1	12.9	6.16	48.5	151	87.7	118	260	58
Fargo, ND	2271	ND36342	6	35.9	93.5	37	78.9	3.1	1	14.8	6.44	46.4	174	88.8	180	259	43
Fargo, ND	2272	ROBUST	6	35.3	93.4	29	80.2	2.7	1	14.3	6.20	45.6	207	77.7	151	270	49
Fargo, ND	2273	LACEY	6	37.1	97.0	35	80.6	2.7	1	14.0	6.04	45.2	195	87.8	86	250	58
Fargo, ND	2274	TRADITION	6	35.8	95.6	36	80.0	2.7	1	14.3	6.04	45.2	200	89.9	164	249	49
Fargo, ND	2275	STELLAR-ND	6	36.5	95.4	39	81.3	3.4	1	13.6	6.69	52.0	197	91.3	114	300	53
Fargo, ND	2276	QUEST	6	35.8	95.9	32	81.2	2.7	1	13.8	6.47	50.2	201	98.6	223	284	46
Fargo, ND	2277	ND36345	6	37.5	94.7	27	81.4	3.6	1	13.3	6.60	52.3	145	93.1	211	287	51
Fargo, ND	2278	ND36355	6	35.8	94.9	26	79.6	2.7	1	14.9	6.17	44.3	178	87.7	274	252	46
Fargo, ND	2279	ND36369	6	36.8	93.7	31	79.8	3.3	1	14.2	6.43	47.8	171	93.7	135	276	44
Fargo, ND	2280	ND36371	6	39.8	95.8	28	80.1	3.9	1	14.0	6.70	49.8	132	90.5	243	292	43
Fargo, ND	2281	ND36375	6	35.3	96.5	27	79.8	2.9	1	14.2	6.19	44.7	151	90.8	352	266	46
Fargo, ND	2282	ND36383	6	35.4	94.9	30	79.8	2.6	1	14.6	5.94	43.5	194	87.3	138	243	52
Fargo, ND	2283	ND36384	6	36.1	97.3	24	81.1	3.7	1	13.6	6.39	49.9	152	90.0	123	272	49
Fargo, ND	2284	ND36385	6	35.8	97.2	31	80.3	3.5	1	13.6	6.15	46.9	149	87.6	112	270	58
Fargo, ND	2285	ND36386	6	35.6	94.9	26	79.9	3.7	1	14.0	6.80	49.8	150	92.7	184	298	46
Fargo, ND	2286	ND36393	6	37.9	98.3	23	80.4	3.0	1	14.5	6.13	44.8	171	87.5	240	240	46
Fargo, ND	2287	ND36394	6	35.7	442.0	26	81.0	2.9	1	12.8	6.05	47.7	150	93.8	180	264	51
Fargo, ND	2288	ND36395	6	36.1	96.9	29	80.8	3.4	1	13.6	6.27	48.8	160	92.9	149	278	49
Fargo, ND	2289	ND36397	6	37.8	95.2	36	80.5	2.5	1	14.1	6.01	45.2	199	78.2	139	236	49
Fargo, ND	2290	ND36408	6	35.2	91.4	28	79.7	2.6	1	13.3	5.75	45.9	154	88.4	262	241	59
Fargo, ND	2291	ND36409	6	37.1	92.2	23	80.1	3.6	1	13.4	6.46	48.7	142	101.3	209	297	51
Fargo, ND	2292	ND36410	6	33.9	89.8	21	79.6	2.5	1	12.9	5.45	44.6	156	85.9	375	228	63
Fargo, ND	2293	ND36412	6	36.2	96.0	31	81.0	2.9	1	13.8	6.04	44.7	162	91.9	206	281	51
Fargo, ND	2294	ND36413	6	36.2	93.8	29	79.3	2.5	1	12.7	5.59	45.2	156	89.2	259	246	63
Fargo, ND	2295	ND36415	6	34.5	95.0	28	80.3	3.3	1	12.8	6.08	48.3	140	90.4	276	277	51
Fargo, ND	2296	ND36416	6	34.4	93.2	26	80.0	3.7	1	12.6	6.05	48.7	126	95.4	220	286	48
Fargo, ND	2297	ND36418	6	35.6	94.5	33	79.9	2.6	1	13.7	5.69	43.9	156	90.1	202	256	58
Fargo, ND	2298	ND36434	6	34.9	94.0	33	81.3	3.1	1	13.4	5.98	47.9	153	90.0	320	275	54
Fargo, ND	2299	ND36442	6	35.7	94.2	32	80.8	4.1	1	13.2	6.69	54.1	146	100.2	180	316	51
	2300	LACEY MALT CHECK	6	33.6	89.5	42	80.3	2.4	1	13.4	5.88	44.7	186	82.7	45	276	66
Fargo, ND	2301	ND36443	6	34.6	95.8	32	80.4	2.8	1	13.9	6.23	47.2	166	97.5	170	282	46
Fargo, ND	2302	ND36448	6	35.6	96.7	36	80.1	2.9	1	14.0	6.42	48.5	215	103.5	178	314	46
Fargo, ND	2303	ND36453	6	36.6	96.0	26	79.8	2.6	1	13.2	6.02	48.9	183	92.5	144	259	54
Fargo, ND	2304	ND36456	6	36.0	95.7	32	79.7	2.9	1	14.2	6.58	48.8	175	102.3	166	280	44
Fargo, ND	2305	ND36458	6	37.2	97.8	32	80.1	3.6	2	13.4	6.49	50.3	139	95.4	198	304	47
Fargo, ND	2306	ROBUST	6	35.0	94.5	35	80.0	1.9	1	13.9	5.76	43.1	207	68.2	226	254	54
Fargo, ND	2307	LACEY	6	38.1	96.9	36	79.9	2.3	2	14.4	5.51	39.7	188	62.2	207	221	47
Fargo, ND	2308	TRADITION	6	35.0	92.5	36	79.6	2.1	1	13.6	5.54	42.7	213	76.8	244	234	58
Fargo, ND	2309	STELLAR-ND	6	37.0	93.4	41	80.4	2.9	2	13.8	5.97	46.2	192	71.5	146	252	56
Fargo, ND	2310	QUEST	6	34.4	94.4	36	79.8	2.1	1	14.4	5.93	43.2	192	76.2	404	250	49
Fargo, ND	2311	ND36459	6	35.0	94.1	34	80.4	n.d.	3	13.5	6.31	48.1	145	82.6	298	278	44
Fargo, ND	2312	ND36460	6	36.9	96.6	35	80.2	n.d.	3	14.9	5.98	40.3	139	63.3	290	250	39

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Fargo, ND	2313	ND36463	6	32.9	89.5	28	79.4	2.7	2	14.3	6.15	46.1	156	72.9	564	252	45
Fargo, ND	2314	ND36466	6	33.8	94.7	30	80.0	2.1	1	13.8	5.69	43.4	178	78.7	283	226	58
Fargo, ND	2315	ND36469	6	35.4	92.0	29	79.3	2.5	1	14.0	6.06	44.8	178	82.7	198	252	51
Fargo, ND	2316	ND36472	6	35.8	90.8	35	79.3	2.9	1	13.7	6.41	50.0	159	80.0	194	274	46
Fargo, ND	2317	ND36473	6	35.4	92.3	33	79.3	2.8	1	14.3	6.43	46.2	161	80.0	282	261	46
Fargo, ND	2318	ND36474	6	36.8	93.0	33	79.9	2.2	1	14.2	6.03	45.0	156	81.9	266	245	46
Fargo, ND	2319	ND36475	6	36.8	93.6	36	79.8	2.4	1	14.2	6.21	44.8	136	74.2	303	236	43
Fargo, ND	2320	ND36476	6	34.6	90.3	31	79.5	3.1	1	14.4	6.72	47.6	171	77.6	284	274	41
Fargo, ND	2321	ND36486	6	35.2	92.3	26	81.0	3.5	2	14.9	6.54	46.1	119	76.8	241	307	38
Fargo, ND	2322	ND36489	6	36.5	95.3	31	79.7	3.0	1	13.6	6.66	52.2	133	73.6	227	281	43
Fargo, ND	2323	ND36491	6	34.9	92.8	35	80.0	2.2	1	13.9	6.48	49.1	205	85.3	144	265	49
Fargo, ND	2324	ND36492	6	35.8	93.0	33	80.1	2.9	2	13.7	6.57	49.4	154	75.4	141	267	48
Fargo, ND	2325	ND36493	6	37.5	95.3	34	79.5	2.7	2	14.9	6.40	43.4	151	77.7	250	280	45
Fargo, ND	2326	ND36495	6	35.1	93.1	34	80.9	2.5	1	13.8	5.79	43.4	164	71.6	222	239	54
Fargo, ND	2327	ND36496	6	35.2	93.4	31	80.2	2.8	2	13.2	5.82	45.2	128	66.5	170	252	58
Fargo, ND	2328	ND36507	6	35.3	93.1	34	80.3	3.0	2	13.8	6.31	47.8	117	79.8	141	276	41
Fargo, ND	2329	ND36508	6	34.2	92.0	32	80.3	2.8	1	13.5	6.20	47.8	130	79.8	205	276	48
Fargo, ND	2330	ND36509	6	33.4	92.8	38	79.8	2.9	2	13.6	5.90	45.8	141	75.8	190	254	53
	2331	CONRAD MALT CHECK	2	40.7	97.4	54	82.6	2.3	1	13.6	5.54	43.5	142	87.0	278	240	52
Fargo, ND	2332	ND36512	6	35.1	92.3	36	79.4	2.9	2	14.1	6.01	44.5	118	69.6	205	246	38
Fargo, ND	2333	ND36514	6	37.0	92.9	25	80.2	3.1	1	14.3	6.32	46.9	137	79.5	261	275	43
Fargo, ND	2334	ROBUST	6	35.6	94.2	28	80.4	2.0	1	14.0	5.77	42.9	192	67.8	290	241	54
Fargo, ND	2335	LACEY	6	38.0	97.9	34	80.0	2.3	2	14.4	5.71	40.7	204	67.8	226	220	43
Fargo, ND	2336	TRADITION	6	36.1	94.8	36	80.1	2.0	1	14.2	5.64	42.7	220	85.5	269	222	53
Fargo, ND	2337	STELLAR-ND	6	35.2	91.5	45	80.9	2.9	2	13.6	5.84	45.5	208	75.2	241	227	53
Fargo, ND	2338	QUEST	6	35.1	93.7	34	80.5	1.9	1	14.3	5.74	41.5	200	83.5	444	234	44
Fargo, ND	2339	ND36515	6	36.6	94.3	28	80.9	3.0	2	13.5	6.28	47.9	142	83.8	253	249	50
Fargo, ND	2340	ND36520	6	34.0	94.8	34	81.6	3.3	2	11.6	5.33	49.4	115	77.9	446	214	50
Fargo, ND	2341	ND36525	6	32.3	93.5	33	79.4	n.d.	3	14.0	5.91	43.3	172	61.1	349	227	52
Fargo, ND	2342	ND36527	6	33.1	91.9	30	80.4	2.4	1	13.2	5.57	45.6	165	78.2	270	214	63
Fargo, ND	2343	ND36530	6	34.6	97.0	36	79.8	2.3	1	13.6	6.00	45.9	154	79.3	191	248	54
Fargo, ND	2344	ND36531	6	31.7	96.4	38	79.2	2.3	2	14.0	5.71	42.7	149	67.0	327	221	47
Fargo, ND	2345	ND36533	6	35.1	96.1	33	79.4	2.7	2	14.2	5.92	42.2	158	62.5	315	230	48
Fargo, ND	2346	ND36538	6	34.9	94.5	30	79.1	2.6	2	13.8	5.87	43.1	140	71.4	314	219	53
Fargo, ND	2347	ND36542	6	35.5	97.5	33	79.6	2.2	1	14.5	6.06	43.2	216	77.7	107	242	53
Fargo, ND	2348	ND36544	6	35.2	96.0	38	78.6	2.6	2	14.4	5.93	42.3	183	80.2	109	233	52
Fargo, ND	2349	ND36546	6	32.7	97.5	33	78.7	2.4	2	13.0	5.39	42.5	155	75.9	158	199	60
Fargo, ND	2350	ND36547	6	32.6	96.3	30	79.0	2.6	2	13.3	5.58	42.5	142	66.7	216	208	59
Fargo, ND	2351	ND36554	6	35.9	94.2	36	80.9	2.9	2	13.6	5.91	46.6	154	83.1	256	248	53
Fargo, ND	2352	ND36562	6	34.0	93.0	28	78.8	2.5	2	13.6	5.34	41.7	132	72.9	192	191	44
Fargo, ND	2353	ND36564	6	36.7	96.6	36	79.7	n.d.	3	13.8	5.78	43.5	143	65.3	200	212	52
Fargo, ND	2354	ND36565	6	35.4	96.2	33	79.8	2.9	1	12.9	6.00	46.7	122	78.7	198	238	53
Fargo, ND	2355	ND36566	6	36.7	96.8	32	79.6	3.0	2	14.0	6.30	46.5	131	74.1	220	223	47
Fargo, ND	2356	ND36570	6	36.0	96.0	29	80.2	2.8	2	13.5	5.92	47.4	107	75.1	259	207	46
Fargo, ND	2357	ND36571	6	35.4	96.6	30	79.3	2.8	2	12.8	5.76	46.2	106	76.0	240	196	49
Fargo, ND	2358	ND36573	6	36.0	95.0	32	78.7	2.9	2	13.8	6.21	47.0	138	78.6	192	224	39
Fargo, ND	2359	ND36574	6	35.3	97.0	27	78.6	3.7	2	13.6	6.35	49.6	140	85.8	134	237	45
Fargo, ND	2360	ROBUST	6	35.1	92.4	31	80.7	2.3	1	14.0	6.24	45.9	191	78.9	258	243	51
Fargo, ND	2361	LACEY	6	37.2	96.1	33	80.0	2.3	1	13.5	5.59	43.7	186	75.9	99	212	70
	2362	CONRAD MALT CHECK	2	40.1	96.8	54	82.6	2.3	1	12.6	5.35	45.0	143	93.5	162	219	62
Fargo, ND	2363	TRADITION	6	36.2	96.5	29	80.7	2.6	1	13.0	5.70	44.1	204	89.9	159	229	62
Fargo, ND	2364	STELLAR-ND	6	35.8	92.8	41	80.4	n.d.	3	13.3	6.24	47.6	174	88.5	138	288	52
Fargo, ND	2365	QUEST	6	34.9	94.1	35	80.3	2.5	1	13.2	5.82	44.7	164	84.8	256	263	59
Fargo, ND	2366	ND36575	6	36.6	96.8	32	79.4	3.5	1	13.8	6.29	46.4	117	81.3	216	275	44
Fargo, ND	2367	ND36576	6	35.8	95.9	23	80.0	3.3	2	13.5	6.00	47.3	117	90.1	229	232	46

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Fargo, ND	2368	ND36577	6	36.7	96.7	30	80.0	3.8	1	13.0	6.16	49.9	97	86.7	150	268	47
Fargo, ND	2369	ND36580	6	32.7	91.2	26	78.8	2.5	1	13.6	5.59	44.5	141	75.2	210	203	55
Fargo, ND	2370	ND36584	6	34.0	94.3	32	80.1	2.7	1	14.0	5.92	43.8	136	97.8	249	240	51
Fargo, ND	2371	ND36585	6	33.7	97.2	32	80.4	2.7	1	13.0	5.98	46.9	163	93.3	169	265	62
Fargo, ND	2372	ND36586	6	34.9	97.2	34	80.5	2.8	1	13.1	5.95	47.2	170	96.0	126	233	57
Fargo, ND	2373	ND36587	6	35.9	97.4	34	80.7	2.9	1	13.7	5.89	45.1	139	92.3	124	244	54
Fargo, ND	2374	ND36588	6	35.0	97.2	30	80.6	2.5	1	13.4	5.70	44.8	145	89.1	243	216	63
Fargo, ND	2375	ND36591	6	35.1	97.3	34	81.0	2.6	1	13.3	5.95	46.0	166	96.7	193	229	59
Fargo, ND	2376	ND36592	6	34.8	94.3	33	79.2	2.7	1	14.3	5.83	43.8	161	89.7	122	234	52
Fargo, ND	2377	ND36593	6	35.1	97.6	29	79.4	2.9	2	14.3	6.14	44.5	146	79.5	328	228	45
Fargo, ND	2378	ND36594	6	34.4	95.2	24	80.1	2.5	1	13.7	5.70	44.2	142	82.3	236	236	58
Fargo, ND	2379	ND36596	6	35.3	96.5	30	80.6	2.7	1	13.5	5.91	46.0	142	95.6	210	243	59
Fargo, ND	2380	ND36597	6	34.3	96.7	28	79.8	2.7	1	13.6	5.77	44.2	133	76.0	231	237	51
Fargo, ND	2381	ND36598	6	33.2	94.0	33	80.1	2.7	1	13.3	5.75	45.0	127	86.7	234	238	56
Fargo, ND	2382	ND36599	6	33.6	92.0	30	80.0	2.9	1	14.1	6.20	47.0	150	102.6	208	248	41
Fargo, ND	2383	ND36600	6	33.3	92.4	34	80.1	2.8	1	13.7	5.92	46.8	161	91.6	177	244	54
Fargo, ND	2384	ND36602	6	34.0	95.7	30	79.0	2.9	1	14.1	6.25	45.3	189	97.2	193	256	46
Fargo, ND	2385	ND36603	6	34.1	95.7	21	79.4	2.5	1	14.0	5.40	41.2	174	74.2	221	197	46
Fargo, ND	2386	ND36604	6	35.4	97.0	31	80.3	2.5	1	13.6	5.91	45.0	162	89.9	208	225	54
Fargo, ND	2387	ND36607	6	34.5	96.1	30	78.9	2.5	2	15.1	5.98	42.2	200	75.7	319	230	45
Fargo, ND	2388	ND36608	6	31.2	95.0	30	78.8	2.9	1	14.2	6.21	46.3	177	97.6	192	250	42
Fargo, ND	2389	ND36611	6	34.9	97.2	26	79.7	2.5	1	14.5	6.13	43.5	187	79.7	200	233	46
Fargo, ND	2390	ND36612	6	34.8	95.9	36	80.9	3.1	1	13.1	6.15	50.4	147	89.9	146	246	54
Fargo, ND	2391	ND36613	6	36.0	97.0	24	80.7	2.3	2	14.1	7.10	54.0	165	74.5	184	243	40
Fargo, ND	2392	ND36615	6	34.5	95.0	29	79.5	2.3	1	14.2	5.71	43.0	191	78.4	143	220	52
	2393	CONRAD MALT CHECK	2	40.4	97.2	54	82.6	2.0	1	12.9	5.23	43.5	153	84.4	111	228	65
Fargo, ND	2394	ND36616	6	35.1	97.0	25	79.9	2.4	2	13.8	5.77	42.6	156	68.8	325	204	53
Fargo, ND	2395	ND36617	6	35.7	97.6	28	79.9	2.7	1	14.5	6.27	45.0	170	85.8	226	252	46
Fargo, ND	2396	ND36618	6	36.7	98.3	33	80.4	2.8	1	14.2	6.20	47.1	191	91.0	86	254	48
Fargo, ND	2397	ND36619	6	35.2	97.5	29	81.0	2.6	1	13.4	6.24	48.5	189	85.7	93	255	58
Fargo, ND	2398	ND36620	6	34.2	96.6	30	80.0	2.6	2	14.3	6.08	45.3	177	87.7	175	225	45
Fargo, ND	2399	ND36621	6	33.3	95.5	24	79.5	2.7	2	14.1	6.14	46.5	182	87.1	129	239	48
Fargo, ND	2400	ND36622	6	33.1	94.6	28	80.2	2.8	2	13.7	6.33	47.2	162	85.2	100	254	52
Fargo, ND	2401	ND36623	6	34.3	95.8	34	79.6	2.4	1	13.9	6.03	44.6	171	72.7	123	225	54
Fargo, ND	2402	ND36624	6	33.2	96.8	30	79.9	2.4	1	13.8	5.94	44.5	188	86.0	189	228	54
Fargo, ND	2403	ND36626	6	31.9	96.3	30	80.9	2.3	1	13.6	6.13	45.4	146	69.1	223	228	50
Fargo, ND	2404	ND36627	6	35.7	93.5	36	80.9	3.1	2	12.2	6.25	53.2	99	80.8	223	246	43
Fargo, ND	2405	ND36628	6	33.0	94.4	32	79.3	2.7	1	14.1	6.21	45.5	162	76.7	210	237	46
Fargo, ND	2406	ND36630	6	34.3	94.8	34	81.3	3.2	1	12.6	5.94	50.0	126	77.2	211	225	51
Fargo, ND	2407	ND36631	6	35.1	96.3	37	80.9	2.4	2	13.0	5.91	47.1	144	76.6	153	220	56
McVillie, ND	2408	CONLON	2	38.7	92.0	21	82.4	3.6	1	14.1	6.19	46.9	169	99.3	153	244	43
McVillie, ND	2409	PINNACLE	2	40.0	92.5	20	83.4	2.1	1	12.1	5.24	45.3	151	83.2	175	190	60
McVillie, ND	2410	LACEY	6	32.9	92.3	19	80.5	2.6	1	13.6	6.10	45.2	221	80.3	91	237	58
McVillie, ND	2411	ND GENESIS	2	37.5	91.0	18	84.4	3.5	1	11.5	6.07	54.0	143	108.1	80	242	53
McVillie, ND	2412	2ND35350	2	35.5	89.8	18	82.8	3.3	1	13.4	6.26	50.0	145	105.6	103	243	42
McVillie, ND	2413	2ND35356	2	37.7	88.9	17	82.8	2.7	1	13.0	5.79	46.8	159	78.5	90	229	54
McVillie, ND	2414	2ND35357	2	37.6	91.0	20	82.4	2.4	1	13.0	5.70	47.1	156	78.7	82	207	51
McVillie, ND	2415	2ND35358	2	31.4	83.9	21	83.5	2.3	1	13.2	5.63	45.6	148	88.3	209	204	44
McVillie, ND	2416	2ND35359	2	34.0	84.9	17	83.2	1.9	1	12.2	5.15	44.5	148	84.8	137	181	54
McVillie, ND	2417	2ND35361	2	37.3	92.3	19	83.2	3.1	1	12.5	5.60	47.9	149	102.4	253	219	53
McVillie, ND	2418	2ND35362	2	38.8	92.9	19	83.2	2.9	1	13.0	5.65	47.1	154	102.9	146	229	54
McVillie, ND	2419	2ND35366	2	35.6	91.5	22	83.6	2.3	1	12.1	5.11	45.4	151	87.9	96	187	63
McVillie, ND	2420	2ND35367	2	36.7	91.7	20	81.9	2.3	1	11.9	4.91	44.0	133	88.7	70	178	60
McVillie, ND	2421	2ND35369	2	35.1	91.8	21	85.7	2.6	1	10.9	5.63	55.5	125	106.1	139	201	47
McVillie, ND	2422	2ND35370	2	37.6	95.8	17	84.2	2.9	1	12.4	5.83	49.8	176	109.6	102	207	52

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McVile, ND	2423	2ND35377	2	35.5	90.8	18	84.2	3.5	1	12.1	5.77	49.3	172	97.7	165	217	49
	2424	CONRAD MALT CHECK	2	40.7	97.0	53	83.4	2.1	1	11.9	5.74	49.5	145	90.2	198	221	53
McVile, ND	2425	2ND35380	2	37.2	92.1	17	84.0	2.7	1	12.4	5.86	49.2	143	107.3	155	215	49
McVile, ND	2426	2ND35381	2	37.6	95.0	16	86.2	3.0	1	12.1	6.37	54.9	125	106.9	181	261	46
McVile, ND	2427	2ND35382	2	38.7	94.2	15	84.7	2.8	1	12.1	5.35	46.3	132	115.5	156	203	60
McVile, ND	2428	2ND35383	2	37.8	92.8	16	83.9	2.7	1	11.9	5.33	47.5	131	103.3	197	212	53
McVile, ND	2429	2ND35387	2	37.6	92.5	19	85.4	3.0	1	12.5	5.69	48.9	131	124.4	180	235	49
McVile, ND	2430	2ND35389	2	38.6	94.6	19	85.3	3.9	1	12.3	6.02	53.3	150	117.2	83	261	55
McVile, ND	2431	2ND35390	2	37.6	93.9	20	83.0	3.6	1	12.4	5.94	50.6	181	115.0	92	261	56
McVile, ND	2432	2ND35412	2	41.4	91.2	15	81.2	2.6	1	12.4	5.26	45.6	123	97.6	53	224	69
McVile, ND	2433	2ND35413	2	36.7	87.2	15	81.0	2.4	1	12.3	5.25	44.0	126	113.0	116	207	56
McVile, ND	2434	2ND35415	2	36.0	86.5	17	83.0	2.7	1	11.8	5.50	50.1	145	116.8	129	223	54
McVile, ND	2435	2ND35417	2	40.9	90.9	15	82.8	3.0	1	12.5	5.70	46.8	145	116.5	118	229	61
McVile, ND	2436	2ND35432	2	39.4	88.7	18	82.8	2.4	1	11.3	5.27	48.1	132	108.1	226	224	53
McVile, ND	2437	2ND35434	2	37.6	92.9	22	84.2	2.7	1	11.9	5.64	49.0	133	112.3	152	216	49
McVile, ND	2438	2ND35435	2	39.7	92.8	12	82.5	3.3	1	11.3	5.38	47.6	105	102.5	221	218	52
McVile, ND	2439	2ND35442	2	39.9	94.2	12	83.0	3.2	1	11.3	5.41	52.2	104	108.2	194	228	52
McVile, ND	2440	2ND35443	2	39.9	92.8	16	82.8	3.3	1	11.6	5.48	51.5	104	107.2	188	235	52
McVile, ND	2441	2ND35448	2	38.7	93.8	15	80.8	2.6	1	12.0	5.12	46.2	125	97.2	131	194	60
McVile, ND	2442	2ND35457	2	36.3	91.3	15	81.9	2.7	1	12.1	5.28	43.6	164	88.4	174	198	58
McVile, ND	2443	2ND35458	2	36.4	91.6	15	81.6	2.7	1	12.2	5.28	46.3	198	80.2	135	206	61
McVile, ND	2444	2ND35460	2	34.4	88.4	20	80.8	2.3	1	12.6	4.98	42.8	138	83.1	305	180	48
McVile, ND	2445	2ND35461	2	37.1	88.5	21	82.0	2.8	1	14.2	5.81	43.9	199	84.2	180	242	42
McVile, ND	2446	2ND35462	2	36.8	90.6	23	82.4	2.7	1	13.5	5.72	43.6	184	80.7	163	240	49
McVile, ND	2447	2ND35463	2	36.2	89.6	19	81.3	2.4	1	13.1	5.46	42.8	195	85.6	218	209	51
McVile, ND	2448	CONLON	2	37.8	91.0	20	82.1	3.1	1	14.0	5.76	43.4	155	103.1	246	225	44
McVile, ND	2449	PINNACLE	2	39.1	93.9	17	82.4	2.3	1	12.6	5.27	44.7	153	87.8	198	199	60
McVile, ND	2450	LACEY	6	33.4	90.8	23	80.1	2.6	1	13.8	5.94	43.0	226	85.2	116	231	61
McVile, ND	2451	ND GENESIS	2	35.6	90.2	22	83.3	3.2	1	12.2	5.78	49.1	139	105.7	133	217	52
McVile, ND	2452	2ND35467	2	36.9	90.7	20	81.1	2.2	2	13.1	5.12	41.3	212	77.7	214	171	47
McVile, ND	2453	2ND35468	2	34.3	92.1	24	82.7	2.8	1	12.9	5.77	47.7	145	86.8	187	225	49
McVile, ND	2454	2ND35469	2	33.8	89.0	21	82.5	2.7	1	12.8	5.96	49.2	157	81.2	163	238	47
	2455	CONRAD MALT CHECK	2	40.6	97.2	54	82.2	2.0	2	12.2	5.38	46.6	166	91.8	249	210	61
McVile, ND	2456	2ND35470	2	34.4	89.4	22	81.9	2.4	1	13.1	5.68	45.9	172	77.8	196	222	47
McVile, ND	2457	2ND35471	2	37.2	92.2	23	82.4	2.4	1	12.9	5.69	47.3	222	104.2	125	226	52
McVile, ND	2458	2ND35475	2	35.4	87.9	22	82.5	2.1	1	11.7	5.12	44.9	149	99.1	246	185	54
McVile, ND	2459	2ND35483	2	37.2	88.5	18	83.4	3.3	1	13.5	6.57	50.4	171	109.6	104	269	37
McVile, ND	2460	2ND35484	2	37.9	90.6	21	81.8	2.5	1	13.6	5.64	43.5	185	82.4	168	217	44
McVile, ND	2461	2ND35494	2	38.7	94.9	16	82.2	3.2	1	11.9	5.64	47.7	183	95.6	174	219	51
McVile, ND	2462	2ND35511	2	37.7	94.3	15	83.2	2.7	1	12.1	5.58	48.7	136	117.5	245	224	53
McVile, ND	2463	2ND35520	2	36.8	91.2	10	81.7	2.4	1	12.8	5.26	43.6	170	87.5	316	204	58
McVile, ND	2464	2ND35530	2	40.4	94.8	20	83.9	3.3	1	11.1	5.45	50.3	172	99.8	53	227	64
McVile, ND	2465	2ND35532	2	38.1	89.5	21	82.8	2.8	1	11.8	5.07	45.0	158	94.9	131	214	61
McVile, ND	2466	2ND35536	2	39.0	92.3	16	82.1	2.9	1	11.4	5.09	45.6	141	103.5	76	214	67
McVile, ND	2467	2ND35555	2	35.5	92.1	22	83.4	3.7	1	12.4	6.39	54.7	156	131.0	62	307	53
McVile, ND	2468	2ND35561	2	37.2	88.9	26	85.6	3.6	1	11.6	6.03	55.1	135	126.8	62	285	51
McVile, ND	2469	2ND35565	2	36.8	94.7	17	84.5	3.9	1	12.1	6.04	51.6	130	116.1	65	280	53
McVile, ND	2470	2ND35578	2	37.7	92.0	18	84.2	2.8	1	11.2	5.40	50.2	139	123.6	45	235	60
Corvallis, Lebanon, Madras (OR)	2471	DH141977-COR	2	43.9	94.7	62	83.4	1.7	1	10.8	4.55	44.3	142	54.6	170	174	53
Corvallis, Lebanon, Madras (OR)	2472	DH141979-COR	2	42.0	93.3	54	80.6	1.9	1	10.8	4.06	37.9	144	38.3	376	127	34
Corvallis, Lebanon, Madras (OR)	2473	DH141981-COR	2	41.8	92.6	46	79.9	3.3	1	11.3	4.41	39.6	175	50.9	180	154	49
Corvallis, Lebanon, Madras (OR)	2474	DH141987-COR	2	49.5	95.2	53	80.0	1.9	1	12.1	4.52	38.2	154	47.0	299	166	47
Corvallis, Lebanon, Madras (OR)	2475	DH141990-COR	2	41.8	94.2	50	81.6	1.6	1	10.9	4.21	39.1	153	49.8	342	145	40
Corvallis, Lebanon, Madras (OR)	2476	DH141994-COR	2	48.2	98.5	54	82.6	1.6	1	10.9	4.57	43.7	142	52.0	183	171	53
Corvallis, Lebanon, Madras (OR)	2477	DH141996-COR	2	37.3	88.5	38	81.8	2.6	2	9.6	3.86	43.4	101	37.9	390	115	28

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Corvallis, Lebanon, Madras (OR)	2478	DH142000-COR	2	45.8	98.2	30	82.7	1.7	1	9.8	4.51	48.2	141	56.7	83	166	55
Corvallis, Lebanon, Madras (OR)	2479	DH142001-COR	2	45.6	98.2	62	81.3	1.5	1	10.9	4.32	41.6	142	47.8	145	144	49
Corvallis, Lebanon, Madras (OR)	2480	DH142005-COR	2	40.3	93.1	52	80.7	1.8	1	10.3	4.11	42.3	142	44.8	413	136	42
Corvallis, Lebanon, Madras (OR)	2481	DH150099-COR	2	32.1	69.4	63	81.0	2.7	1	9.8	4.04	44.5	103	39.6	162	130	26
Corvallis, Lebanon, Madras (OR)	2482	DH150101-COR	2	43.9	94.4	63	82.7	1.9	1	9.9	4.62	49.0	150	61.5	53	175	55
Corvallis, Lebanon, Madras (OR)	2483	DH150105-COR	2	41.3	93.4	58	82.2	1.7	1	11.2	4.56	43.6	181	57.1	73	174	64
Corvallis, Lebanon, Madras (OR)	2484	DH150107-COR	2	35.2	79.8	54	81.2	1.9	1	11.3	4.60	42.2	136	51.6	298	164	48
Corvallis, Lebanon, Madras (OR)	2485	DH150108-COR	2	42.9	94.2	68	83.5	1.8	1	11.0	4.62	45.7	130	44.2	176	161	50
	2486	CONRAD MALT CHECK	2	41.0	97.5	53	82.8	2.2	1	11.9	5.34	47.8	132	89.3	160	216	57
Corvallis, Lebanon, Madras (OR)	2487	DH150110-COR	2	46.7	93.5	61	82.7	1.8	1	10.9	4.60	44.9	157	49.5	266	151	50
Corvallis, Lebanon, Madras (OR)	2488	DH150111-COR	2	39.2	93.2	42	80.5	1.8	1	11.3	4.28	39.2	146	44.1	357	139	40
Corvallis, Lebanon, Madras (OR)	2489	DH141675-COR	2	40.9	92.9	48	80.1	1.6	1	11.5	4.31	39.5	148	51.6	438	145	45
Corvallis, Lebanon, Madras (OR)	2490	DH141679-COR	2	43.3	95.0	61	82.7	1.7	1	12.3	4.79	42.1	205	51.6	363	168	58
Corvallis, Lebanon, Madras (OR)	2491	DH141978-COR	2	40.7	93.4	46	80.8	2.1	1	11.7	4.52	40.3	180	50.0	167	155	54
Corvallis, Lebanon, Madras (OR)	2492	DH141989-COR	2	38.1	90.2	70	81.0	1.5	1	11.0	4.10	39.5	159	45.9	463	130	40
Corvallis, Lebanon, Madras (OR)	2493	DH141991-COR	2	45.7	97.6	54	80.3	1.5	1	12.6	4.44	37.4	186	48.5	540	145	47
Corvallis, Lebanon, Madras (OR)	2494	DH150114-COR	2	46.1	95.6	42	82.5	1.8	1	11.4	4.76	43.3	185	58.6	157	180	58
Corvallis, Lebanon, Madras (OR)	2495	DH150115-COR	2	40.4	95.0	50	82.9	2.3	1	10.1	4.79	51.9	122	65.1	43	188	57
Corvallis, Lebanon, Madras (OR)	2496	DH142013-COR	2	50.2	97.9	54	83.2	1.9	1	10.1	4.59	46.8	153	54.6	66	167	60
Corvallis, Lebanon, Madras (OR)	2497	DH150112-COR	2	50.5	98.6	42	80.7	1.8	1	12.3	4.33	37.6	170	48.8	263	140	43
Corvallis, Lebanon, Madras (OR)	2498	DH142010-COR	2	49.7	98.7	52	83.0	1.7	1	12.0	4.89	43.5	186	62.8	55	182	68
Corvallis, Lebanon, Madras (OR)	2499	DH140314-COR	2	46.0	95.8	5	81.9	1.1	1	14.4	4.23	30.7	98	31.2	1178	100	25
Corvallis, Lebanon, Madras (OR)	2500	DH140322-COR	2	39.6	94.6	30	89.3	2.6	1	11.1	5.24	49.9	145	103.5	989	195	55
Corvallis, Lebanon, Madras (OR)	2501	DH140490-COR	2	39.6	94.0	42	89.4	2.4	1	10.6	5.38	55.8	121	102.8	1020	204	50
Corvallis, Lebanon, Madras (OR)	2502	DH140394-COR	2	39.5	90.1	24	90.4	1.8	1	10.7	5.17	52.1	159	124.1	290	204	50
Corvallis, Lebanon, Madras (OR)	2503	DH140494-COR	2	36.0	87.9	35	86.2	1.9	2	11.2	4.25	40.5	154	75.2	1077	123	46
Corvallis, Lebanon, Madras (OR)	2504	OPDD120334-MAD	2	39.9	96.9	66	79.7	1.4	1	15.4	4.48	29.7	186	56.3	85	133	44
Corvallis, Lebanon, Madras (OR)	2505	120322-MAD	2	47.4	97.8	59	74.3	1.4	1	16.4	4.72	29.2	268	48.1	588	135	30
Corvallis, Lebanon, Madras (OR)	2506	120373-MAD	2	35.2	83.4	70	78.1	1.7	1	15.5	5.47	36.4	234	109.6	232	214	32
Corvallis, Lebanon, Madras (OR)	2507	120285-MAD	2	48.9	98.4	71	80.4	1.7	1	13.4	5.46	43.0	236	93.1	106	212	58
Corvallis, Lebanon, Madras (OR)	2508	120331-MAD	2	42.1	98.0	60	75.8	1.4	1	15.4	4.07	27.1	179	43.0	680	123	26
Corvallis, Lebanon, Madras (OR)	2509	Full Pint-MAD	2	49.0	98.2	75	80.6	1.7	1	13.5	5.37	41.7	227	118.0	194	209	55
Corvallis, Lebanon, Madras (OR)	2510	Maja -MAD	6	35.2	92.4	78	79.9	2.7	2	12.4	4.62	39.0	174	56.0	236	165	45
Corvallis, Lebanon, Madras (OR)	2511	DH120228-MAD	2	45.9	96.8	78	82.6	2.2	1	13.7	6.15	45.8	214	124.8	102	260	49
Corvallis, Lebanon, Madras (OR)	2512	DH130735-MAD	2	53.0	98.9	74	82.4	1.9	1	12.3	5.50	46.7	277	91.1	32	228	70
Corvallis, Lebanon, Madras (OR)	2513	DH140083-MAD	2	48.0	97.8	76	81.0	2.0	1	12.3	5.53	48.2	145	98.1	28	247	65
McVille, ND	2514	CONLON	2	38.9	93.4	18	82.2	2.5	1	13.7	5.58	43.8	165	107.8	313	206	50
McVille, ND	2515	PINNACLE	2	40.1	94.2	13	83.1	2.2	1	12.2	5.40	47.0	174	96.5	157	206	62
McVille, ND	2516	LACEY	6	33.7	94.1	20	81.2	2.7	1	12.4	5.92	51.3	203	87.8	44	228	61
	2517	CONRAD MALT CHECK	2	39.2	97.4	54	83.0	2.0	1	13.0	5.56	46.4	153	99.7	219	223	60
McVille, ND	2518	ND GENESIS	2	37.9	94.2	20	85.1	3.1	1	12.3	5.87	51.1	145	118.5	81	240	56
McVille, ND	2519	2ND35584	2	38.6	94.2	20	85.7	3.1	1	11.5	5.78	54.5	152	134.5	31	235	58
McVille, ND	2520	2ND35585	2	37.9	92.0	17	84.9	2.8	1	12.2	5.95	52.7	152	140.4	36	243	56
McVille, ND	2521	2ND35587	2	38.8	91.3	14	83.2	2.8	1	12.6	5.68	47.9	142	147.1	109	248	54
McVille, ND	2522	2ND35589	2	42.0	93.8	23	85.6	2.2	1	11.6	5.37	50.2	143	116.5	177	235	58
McVille, ND	2523	2ND35592	2	38.8	92.5	19	84.5	2.9	1	11.2	5.92	55.9	141	120.4	41	238	58
McVille, ND	2524	2ND35593	2	37.4	92.3	19	86.1	2.8	1	11.5	5.90	54.6	143	117.8	56	226	56
McVille, ND	2525	2ND35594	2	39.6	91.0	20	84.9	2.1	1	11.1	4.84	46.5	128	104.8	260	183	58
McVille, ND	2526	2ND35595	2	39.9	94.4	25	85.4	3.1	1	11.0	5.89	54.9	137	119.3	92	247	53
McVille, ND	2527	2ND35600	2	39.1	95.1	20	83.6	6.4	1	13.5	7.45	58.1	130	80.1	24	319	50
McVille, ND	2528	2ND35609	2	43.5	91.3	20	84.3	6.9	1	12.7	7.15	60.3	149	92.4	25	288	58
McVille, ND	2529	2ND35614	2	40.0	89.8	21	84.6	4.3	1	12.1	6.68	57.7	171	111.6	99	278	55
McVille, ND	2530	2ND35619	2	38.5	93.5	20	84.9	5.0	1	12.2	6.67	57.7	131	105.8	29	284	55
McVille, ND	2531	2ND35628	2	41.7	96.1	23	84.6	7.4	1	12.2	6.79	58.9	89	91.0	23	300	50
McVille, ND	2532	2ND35629	2	38.9	94.4	20	85.6	3.3	1	11.7	6.06	55.8	126	75.5	45	256	55

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McVille, ND	2533	2ND35645	2	39.4	93.9	16	85.9	3.0	1	12.4	5.89	50.3	164	99.1	129	238	54
McVille, ND	2534	2ND35647	2	40.8	95.5	17	85.2	3.2	1	11.9	5.80	52.3	157	85.1	81	242	60
McVille, ND	2535	2ND35648	2	43.8	97.6	13	85.7	3.5	1	12.3	6.29	53.2	167	94.7	54	288	58
McVille, ND	2536	2ND35651	2	40.1	94.3	14	84.4	3.7	1	11.9	5.83	51.9	140	94.5	46	276	60
McVille, ND	2537	2ND35652	2	43.3	94.9	17	84.7	3.8	1	11.6	6.10	53.4	144	90.8	38	267	58
McVille, ND	2538	2ND35655	2	42.9	95.4	14	85.6	3.5	1	12.0	6.16	53.6	148	94.9	36	280	58
McVille, ND	2539	2ND35656	2	42.9	95.2	14	84.1	2.9	1	12.4	5.79	49.3	179	100.1	45	268	61
McVille, ND	2540	2ND35659	2	39.6	94.3	12	85.0	2.8	1	12.1	5.84	52.2	188	104.3	59	268	58
McVille, ND	2541	2ND35660	2	43.9	96.5	17	83.7	3.3	1	12.5	5.88	48.6	174	100.8	39	256	61
McVille, ND	2542	2ND35661	2	44.2	95.4	18	84.9	3.6	1	12.1	6.00	53.7	160	99.9	57	248	61
McVille, ND	2543	2ND35663	2	45.3	96.2	18	84.7	3.3	1	12.6	6.13	51.1	188	94.1	43	266	58
McVille, ND	2544	2ND35665	2	41.2	96.6	25	85.3	2.3	1	11.8	5.52	50.5	189	87.4	69	225	64
McVille, ND	2545	2ND35666	2	40.6	93.7	14	85.3	2.8	1	12.1	5.76	51.6	174	97.7	72	246	60
McVille, ND	2546	2ND35667	2	39.7	93.8	12	84.7	2.8	1	12.1	5.81	51.9	167	96.6	60	246	58
McVille, ND	2547	2ND35668	2	40.2	95.7	15	85.3	2.8	1	11.6	5.75	53.5	174	92.9	124	240	56
	2548	CONRAD MALT CHECK	2	40.1	97.4	54	83.4	2.1	1	12.6	5.55	46.4	142	82.8	199	224	62
McVille, ND	2549	2ND35670	2	41.7	95.2	11	85.9	2.6	1	12.0	5.64	48.2	200	94.6	53	233	60
McVille, ND	2550	2ND35674	2	42.6	95.5	21	84.7	2.2	1	11.6	5.17	45.9	157	81.1	159	202	63
McVille, ND	2551	2ND35677	2	41.6	92.9	19	82.5	2.2	1	12.0	5.53	47.4	177	100.5	55	226	64
McVille, ND	2552	2ND35680	2	44.3	95.3	15	83.0	2.9	1	11.6	5.63	49.2	187	96.7	36	238	61
McVille, ND	2553	2ND35681	2	42.9	95.4	10	80.5	3.4	1	13.7	5.97	44.1	232	87.6	49	231	53
McVille, ND	2554	2ND35687	2	44.2	93.4	20	84.1	3.0	1	12.3	6.15	51.6	208	99.1	57	246	58
McVille, ND	2555	2ND35688	2	41.3	88.5	17	80.3	2.4	1	12.6	5.37	44.2	158	78.9	86	204	64
McVille, ND	2556	2ND35693	2	40.0	91.0	22	83.2	2.7	1	12.2	5.27	45.8	173	94.0	58	206	69
McVille, ND	2557	2ND35694	2	45.3	94.1	18	82.6	2.7	1	13.3	6.06	47.0	201	84.1	45	247	58
McVille, ND	2558	2ND35697	2	40.7	91.3	14	83.3	2.7	1	11.9	5.72	52.3	159	84.8	55	228	60
McVille, ND	2559	2ND35698	2	40.7	92.7	15	84.6	2.4	1	11.9	5.74	50.4	144	96.6	117	243	56
McVille, ND	2560	2ND35699	2	41.1	92.6	15	83.2	3.3	1	13.4	6.20	47.5	195	97.4	56	237	52
McVille, ND	2561	2ND35700	2	43.2	92.9	13	81.7	4.0	1	13.8	6.41	47.7	212	87.1	44	238	48
McVille, ND	2562	CONLON	2	38.7	91.0	22	81.0	3.2	1	13.9	6.07	45.9	165	110.5	250	232	40
McVille, ND	2563	PINNACLE	2	41.9	94.4	18	81.6	2.3	1	11.8	5.08	44.5	151	88.8	200	179	57
McVille, ND	2564	LACEY	6	34.5	93.5	29	80.5	2.6	1	13.3	5.71	44.9	218	77.7	81	212	66
McVille, ND	2565	ND GENESIS	2	38.7	93.4	25	82.9	2.8	1	12.1	5.61	48.9	136	113.8	78	221	58
McVille, ND	2566	2ND35706	2	43.4	94.2	25	82.9	2.2	1	11.7	5.23	47.7	126	91.1	169	189	56
McVille, ND	2567	2ND35707	2	37.1	88.8	26	82.5	3.0	1	12.1	5.55	49.0	157	91.1	95	202	58
McVille, ND	2568	2ND35709	2	37.7	88.2	22	80.3	2.2	1	11.9	4.99	45.1	144	90.9	235	186	51
McVille, ND	2569	2ND35710	2	36.5	88.5	25	81.2	2.3	1	11.9	4.85	44.5	155	90.9	213	182	54
McVille, ND	2570	2ND35711	2	37.1	87.8	23	80.7	2.3	1	12.2	4.94	41.8	175	102.8	183	159	48
McVille, ND	2571	2ND35712	2	37.4	93.3	24	81.9	2.4	1	12.4	5.42	46.4	133	114.2	244	228	58
McVille, ND	2572	2ND35713	2	37.4	92.0	24	82.8	2.4	1	12.1	5.27	46.8	149	102.5	211	213	58
McVille, ND	2573	2ND35714	2	38.3	92.6	24	80.9	2.6	1	12.3	5.24	45.4	127	114.1	117	221	60
McVille, ND	2574	2ND35716	2	42.9	92.5	23	81.5	4.6	1	12.6	6.33	51.1	150	79.1	128	275	54
McVille, ND	2575	2ND35724	2	40.6	92.8	29	81.2	3.2	1	13.1	5.48	44.6	187	79.3	94	207	64
McVille, ND	2576	2ND35725	2	40.6	91.6	26	80.2	3.8	2	11.8	5.11	43.4	168	79.1	181	206	58
McVille, ND	2577	2ND35735	2	39.2	88.1	20	81.6	4.7	1	11.7	5.98	52.2	136	90.6	182	266	49
McVille, ND	2578	2ND35763	2	35.9	93.4	25	83.6	2.7	1	11.8	5.43	49.4	118	91.5	386	232	50
	2579	CONRAD MALT CHECK	2	40.2	96.9	54	82.0	2.1	1	12.0	5.36	45.2	159	90.2	200	224	62
McVille, ND	2580	2ND35765	2	38.6	95.9	20	82.2	2.7	1	12.1	5.63	48.4	145	105.0	178	226	51
McVille, ND	2581	2ND35767	2	39.2	93.7	30	82.8	2.7	1	11.7	5.46	49.5	133	111.1	208	240	55
McVille, ND	2582	2ND35770	2	37.2	92.8	29	83.2	2.8	1	11.4	5.48	52.0	121	123.4	281	225	53
McVille, ND	2583	2ND35771	2	40.0	91.7	24	83.3	5.9	1	10.9	6.19	58.3	109	92.6	107	258	45
McVille, ND	2584	2ND35772	2	39.3	92.4	24	83.0	3.4	1	10.6	5.41	51.2	120	85.3	203	214	47
McVille, ND	2585	2ND35782	2	37.3	92.1	28	81.6	9.3	1	13.6	7.59	56.2	92	74.3	41	355	36
McVille, ND	2586	2ND35783	2	36.0	84.7	25	80.2	3.1	1	13.9	5.76	44.0	148	62.9	98	222	43
McVille, ND	2587	2ND35794	2	40.8	97.0	26	82.8	6.4	1	12.1	6.82	58.4	108	108.5	41	315	54

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McVillie, ND	2588	2ND35795	2	41.6	96.2	23	83.3	5.2	1	11.3	6.05	54.9	119	94.5	40	248	54
McVillie, ND	2589	2ND35800	2	40.1	95.0	19	83.0	4.0	1	11.5	5.92	55.7	130	108.3	55	242	60
McVillie, ND	2590	2ND35807	2	40.9	94.8	19	84.5	2.8	1	11.4	5.60	52.2	170	109.0	88	223	64
McVillie, ND	2591	2ND35817	2	39.9	96.4	19	84.0	3.2	1	11.5	5.59	51.9	160	109.6	68	239	62
Cornell, Snyder and Ketola Farm, Ithaca, I	2592	Calypso	2	40.6	96.7	74	82.9	2.8	2	8.0	3.57	46.9	108	43.6	52	110	45
Cornell, Snyder and Ketola Farm, Ithaca, I	2593	05ARS561-208	2	28.5	74.6	66	84.2	1.8	1	7.2	3.86	57.6	87	91.4	34	141	31
Cornell, Snyder and Ketola Farm, Ithaca, I	2594	MW12_4042-002	6	26.8	79.0	76	81.6	n.d.	3	8.3	3.81	49.6	108	61.1	258	135	25
Cornell, Snyder and Ketola Farm, Ithaca, I	2595	Strider	6	27.6	59.4	73	78.8	n.d.	3	7.9	3.40	47.5	43	35.0	369	84	12
Cornell, Snyder and Ketola Farm, Ithaca, I	2596	Thoroughbred	6	29.2	91.4	61	79.7	n.d.	3	8.2	3.32	44.6	74	41.1	431	95	31
Cornell, Snyder and Ketola Farm, Ithaca, I	2597	6W13-7041	6	30.4	90.4	86	81.7	n.d.	3	8.0	3.57	50.0	99	56.8	112	113	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2598	MW11S4029-002	6	26.4	67.2	84	81.2	2.1	1	7.7	3.51	48.6	108	51.2	82	107	31
Cornell, Snyder and Ketola Farm, Ithaca, I	2599	Wintmalt	2	39.9	98.4	78	83.7	n.d.	3	8.4	3.65	46.5	106	51.9	89	118	45
Cornell, Snyder and Ketola Farm, Ithaca, I	2600	02Ab669	2	29.4	92.3	66	84.7	2.0	1	6.9	3.91	62.9	72	108.1	30	143	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2601	Endeavor	2	29.2	87.5	65	83.7	1.9	1	8.3	4.09	55.0	103	108.2	80	162	41
Cornell, Snyder and Ketola Farm, Ithaca, I	2602	6W11-0003	6	27.2	60.1	74	81.5	2.7	2	7.7	3.62	52.0	125	59.7	90	119	34
Cornell, Snyder and Ketola Farm, Ithaca, I	2603	Hirondella (08/258/17)	6	34.2	95.3	77	80.6	2.3	1	8.4	3.54	46.6	98	40.3	260	109	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2604	DH130718	2	37.4	96.6	55	83.1	2.4	1	9.8	4.64	51.0	108	100.3	26	210	52
Cornell, Snyder and Ketola Farm, Ithaca, I	2605	10.0777	2	34.6	97.9	62	84.4	2.2	1	8.2	4.46	56.3	85	111.6	28	195	48
Cornell, Snyder and Ketola Farm, Ithaca, I	2606	10.086	2	31.6	95.8	63	84.5	1.8	1	8.4	4.02	53.6	73	84.4	28	150	39
Cornell, Snyder and Ketola Farm, Ithaca, I	2607	MW12_4007-008	6	26.0	78.5	68	82.4	2.7	2	8.3	4.12	55.4	88	76.8	98	163	33
Cornell, Snyder and Ketola Farm, Ithaca, I	2608	Vincenta	2	39.0	96.0	67	82.5	1.7	1	7.6	3.56	49.4	85	44.9	45	113	35
Cornell, Snyder and Ketola Farm, Ithaca, I	2609	Puffin	6	35.4	92.6	60	81.5	1.9	2	8.1	3.62	46.8	86	37.9	246	104	31
	2610	LACEY MALT CHECK	6	33.0	88.4	42	79.8	3.3	2	13.6	5.80	44.5	170	85.2	43	253	60
Cornell, Snyder and Ketola Farm, Ithaca, I	2611	6W13-7145	6	27.6	73.2	70	80.0	2.0	1	8.2	3.71	51.4	105	58.9	174	133	27
Cornell, Snyder and Ketola Farm, Ithaca, I	2612	6W11-0064	6	26.4	68.8	69	79.9	n.d.	3	8.7	3.74	46.6	150	49.0	68	111	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2613	DH130004	2	37.8	96.8	50	84.6	2.1	1	9.5	4.43	50.7	132	86.6	36	188	53
Cornell, Snyder and Ketola Farm, Ithaca, I	2614	MW11S4024-004	6	26.6	83.1	72	81.0	n.d.	3	8.2	3.59	48.7	106	54.6	109	118	34
Cornell, Snyder and Ketola Farm, Ithaca, I	2615	10/069/1	6	36.6	96.3	70	81.5	n.d.	3	7.5	3.47	50.7	84	43.3	133	88	32
Cornell, Snyder and Ketola Farm, Ithaca, I	2616	04ARS640-1	2	30.9	94.8	61	84.1	1.8	1	7.9	3.84	54.7	96	84.4	46	146	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2617	06ARS633-10	2	27.4	69.6	67	83.9	2.0	1	8.3	4.09	54.1	100	98.8	178	169	27
Cornell, Snyder and Ketola Farm, Ithaca, I	2618	Charles	2	30.5	94.3	54	84.4	1.9	1	9.1	4.09	49.7	105	86.5	387	157	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2619	SU-Mateo	2	36.7	95.0	64	81.7	n.d.	3	7.8	3.46	45.1	73	38.7	325	90	25
Cornell, Snyder and Ketola Farm, Ithaca, I	2620	MW11S3029-010	6	25.2	61.2	82	81.1	2.2	2	8.1	3.72	50.9	105	51.0	130	131	26
Cornell, Snyder and Ketola Farm, Ithaca, I	2621	6Ab08-X03W012-5	6	28.9	77.3	71	80.6	n.d.	3	8.0	3.71	50.8	106	54.0	143	120	30
Cornell, Snyder and Ketola Farm, Ithaca, I	2622	WintMalt	2	39.0	97.5	80	83.8	2.2	2	8.0	3.50	48.7	90	48.6	40	111	34
Cornell, Snyder and Ketola Farm, Ithaca, I	2623	SY Mezmaar (209-72)	2	34.4	90.8	65	82.7	n.d.	3	7.7	3.38	47.6	99	37.1	105	92	23
Cornell, Snyder and Ketola Farm, Ithaca, I	2624	Charles	2	31.0	95.5	62	85.5	1.8	1	7.6	3.85	55.2	92	83.1	158	146	29
Cornell, Snyder and Ketola Farm, Ithaca, I	2625	AC 07/041/8 (Flavia)	2	39.3	97.6	76	83.1	n.d.	3	7.9	3.46	48.5	86	42.2	53	102	33
Cornell, Snyder and Ketola Farm, Ithaca, I	2626	2011-F5-141-5	6	25.6	79.3	78	80.2	2.0	2	7.9	3.47	45.4	88	45.8	136	119	31
Cornell, Snyder and Ketola Farm, Ithaca, I	2627	KWS Scala	2	38.8	97.4	71	84.4	1.8	2	8.1	3.74	50.2	123	52.6	34	123	44
Cornell, Snyder and Ketola Farm, Ithaca, I	2628	KWS Somerset (KW2-237)	2	37.3	97.8	78	82.8	1.8	1	8.3	3.45	45.1	91	42.6	38	98	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2629	10467r2	6	34.0	94.8	72	82.4	n.d.	3	7.1	3.55	52.7	76	40.4	68	117	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2630	SY Tepee (209-66)	2	35.9	95.8	70	82.7	1.9	1	7.7	3.69	53.1	100	45.1	28	128	33
Cornell, Snyder and Ketola Farm, Ithaca, I	2631	Saturn	6	34.6	92.8	78	77.9	n.d.	3	7.7	3.30	45.5	79	31.9	486	80	24
Cornell, Snyder and Ketola Farm, Ithaca, I	2632	06-OR-9	6	32.8	94.3	86	81.7	2.0	2	8.1	3.40	45.7	84	48.5	140	102	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2633	MW11S3034-006	6	26.7	67.2	66	81.1	2.1	1	8.6	3.78	47.7	108	48.3	106	135	28
Cornell, Snyder and Ketola Farm, Ithaca, I	2634	Endeavor	2	30.7	89.8	60	84.0	1.9	1	7.9	3.91	55.6	92	94.7	98	149	34
Cornell, Snyder and Ketola Farm, Ithaca, I	2635	KWS2-430	2	42.1	98.4	74	84.4	1.6	1	8.2	3.57	47.8	109	48.3	36	113	42
Cornell, Snyder and Ketola Farm, Ithaca, I	2636	Nectararia	2	40.3	97.0	68	83.8	2.3	2	8.2	3.61	48.2	102	47.8	209	110	33
Cornell, Snyder and Ketola Farm, Ithaca, I	2637	02Ab671	2	29.9	93.3	66	85.0	1.8	1	7.5	3.77	56.7	78	94.6	108	128	32
Cornell, Snyder and Ketola Farm, Ithaca, I	2638	Harmony	6	37.1	89.9	24	76.9	2.0	1	11.9	4.40	37.8	90	59.4	247	164	29
Cornell, Snyder and Ketola Farm, Ithaca, I	2639	2MS14_3317-015	2	36.9	90.0	23	81.7	2.5	2	11.0	4.51	42.7	91	61.8	148	161	43
Cornell, Snyder and Ketola Farm, Ithaca, I	2640	KWS 13/207 (Fantex)	2	38.3	94.8	24	81.1	1.8	1	10.7	4.01	41.3	85	51.4	180	136	39
	2641	CONRAD MALT CHECK	2	40.6	97.3	54	83.1	1.9	1	12.2	5.39	47.3	154	86.5	133	202	60
Cornell, Snyder and Ketola Farm, Ithaca, I	2642	Oceanik	6	34.7	78.0	38	77.2	1.5	1	10.9	3.91	37.6	64	48.3	330	120	19

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Cornell, Snyder and Ketola Farm, Ithaca, I	2643	AAC Synergy	2	39.8	94.3	32	82.2	2.0	1	10.8	5.25	50.4	97	102.3	58	196	50
Cornell, Snyder and Ketola Farm, Ithaca, I	2644	09N2-51	2	40.1	91.8	28	78.8	1.6	1	13.7	5.14	38.3	125	90.7	258	165	36
Cornell, Snyder and Ketola Farm, Ithaca, I	2645	Conlon	2	41.9	97.4	20	79.2	1.7	1	12.3	4.66	38.9	109	75.0	424	149	43
Cornell, Snyder and Ketola Farm, Ithaca, I	2646	2MS14_3336-018	2	37.9	87.3	38	78.2	1.4	1	12.7	4.09	34.5	76	52.7	618	117	29
Cornell, Snyder and Ketola Farm, Ithaca, I	2647	2MS14_3305-002	2	36.5	92.8	28	79.4	1.7	1	13.6	5.08	39.5	115	83.9	206	167	32
Cornell, Snyder and Ketola Farm, Ithaca, I	2648	09N2-31	2	44.1	97.2	25	80.8	2.4	2	11.0	4.07	38.4	66	53.3	537	120	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2649	2MS14_3335-007	2	38.0	87.5	25	79.8	1.4	1	11.8	4.09	37.1	80	55.7	513	109	32
Cornell, Snyder and Ketola Farm, Ithaca, I	2650	HS5617-11	6	37.2	91.4	35	76.3	n.d.	3	11.6	3.77	33.5	75	50.4	418	115	27
Cornell, Snyder and Ketola Farm, Ithaca, I	2651	Bastille	6	30.6	43.4	44	86.2	1.2	1	12.7	4.05	33.1	95	43.4	461	93	30
Cornell, Snyder and Ketola Farm, Ithaca, I	2652	2MS14_3342-026	2	36.7	88.9	25	80.7	1.6	1	12.4	4.66	40.6	93	83.0	372	154	41
Cornell, Snyder and Ketola Farm, Ithaca, I	2653	09N2-84	2	40.2	97.3	27	79.7	2.0	1	12.2	4.83	40.6	93	92.4	322	177	47
Cornell, Snyder and Ketola Farm, Ithaca, I	2654	KWS Tinka	2	41.0	95.0	13	79.3	1.8	1	11.9	4.42	39.7	79	71.3	119	138	42
Cornell, Snyder and Ketola Farm, Ithaca, I	2655	2MS14_3342-018	2	37.6	88.8	23	79.6	1.5	1	13.2	4.76	38.1	113	85.5	375	146	35
Cornell, Snyder and Ketola Farm, Ithaca, I	2656	06N2-79	2	48.2	99.1	33	78.6	1.8	1	14.8	5.34	38.4	112	68.0	361	174	34
Cornell, Snyder and Ketola Farm, Ithaca, I	2657	Craft	2	39.4	92.9	20	79.9	1.5	1	12.9	4.59	37.2	89	74.3	406	136	40
Cornell, Snyder and Ketola Farm, Ithaca, I	2658	Lacey	6	33.7	84.6	38	79.5	1.8	1	11.7	4.80	43.7	134	70.8	213	169	48
Cornell, Snyder and Ketola Farm, Ithaca, I	2659	ND26891	6	32.4	87.4	46	80.1	2.2	2	11.1	4.53	42.2	114	72.8	185	143	38
Cornell, Snyder and Ketola Farm, Ithaca, I	2660	09N2-58	2	43.0	97.9	33	80.0	1.6	1	13.5	4.95	39.2	119	77.2	370	159	37
Cornell, Snyder and Ketola Farm, Ithaca, I	2661	Cerveza	2	37.2	89.0	33	83.2	1.9	1	12.5	5.13	44.2	107	121.1	283	177	48
Cornell, Snyder and Ketola Farm, Ithaca, I	2662	Quest	6	31.6	87.0	32	80.2	1.6	1	11.4	4.77	44.1	130	84.3	226	163	42
Cornell, Snyder and Ketola Farm, Ithaca, I	2663	09N2-68	2	43.3	98.0	23	78.4	1.7	1	14.1	4.75	34.8	122	72.5	439	147	37
Cornell, Snyder and Ketola Farm, Ithaca, I	2664	09N2-96	2	38.9	89.9	32	80.4	1.8	1	12.8	4.95	41.6	127	92.5	323	160	50
Cornell, Snyder and Ketola Farm, Ithaca, I	2665	KWS 13/3353(Beckie)	2	40.8	98.3	14	80.9	2.6	2	11.2	4.39	41.6	68	59.1	216	149	42
Cornell, Snyder and Ketola Farm, Ithaca, I	2666	Newdale	2	36.5	86.3	33	80.3	1.7	1	12.4	5.20	44.4	114	105.9	221	164	45
Cornell, Snyder and Ketola Farm, Ithaca, I	2667	09N2-65	2	39.2	94.7	32	80.0	1.9	1	12.5	4.86	41.8	107	83.7	410	168	49
Cornell, Snyder and Ketola Farm, Ithaca, I	2668	M160	6	32.2	89.8	31	79.6	1.7	1	12.0	4.94	43.1	123	76.2	190	175	51
Cornell, Snyder and Ketola Farm, Ithaca, I	2669	AAC Azimuth	6	33.6	62.7	34	87.2	n.d.	3	11.8	4.18	37.4	106	55.0	245	111	32
Cornell, Snyder and Ketola Farm, Ithaca, I	2670	Pinnacle	2	40.8	97.1	20	81.1	n.d.	3	11.3	4.29	38.6	78	52.5	464	136	39
Cornell, Snyder and Ketola Farm, Ithaca, I	2671	2MS14_3342-019	2	37.8	91.1	30	80.2	1.6	1	13.3	5.04	40.4	126	94.0	389	168	45
Cornell, Snyder and Ketola Farm, Ithaca, I	2672	LACEY MALT CHECK	6	33.1	88.9	41	80.4	2.8	2	13.5	5.81	45.9	175	84.5	65	216	60
Cornell, Snyder and Ketola Farm, Ithaca, I	2673	09N2-16	2	40.4	95.6	24	80.5	2.2	2	12.1	4.67	38.7	91	67.4	382	152	41
Cornell, Snyder and Ketola Farm, Ithaca, I	2674	2MS14_3345-009	2	38.1	96.3	18	79.6	1.4	1	12.2	4.45	37.1	130	80.0	322	138	47
Cornell, Snyder and Ketola Farm, Ithaca, I	2675	ND Genesis	2	39.5	96.3	23	81.7	1.9	1	10.4	4.55	45.0	95	90.7	194	179	43
Cornell, Snyder and Ketola Farm, Ithaca, I	2676	2ND28065	2	38.3	87.8	16	79.5	1.4	1	13.8	4.57	34.0	94	66.5	418	176	28
Cornell, Snyder and Ketola Farm, Ithaca, I	2677	2MS14_3336-002	2	40.3	93.7	28	78.3	1.5	1	12.2	4.27	36.9	87	54.7	454	147	35
Cornell, Snyder and Ketola Farm, Ithaca, I	2678	AAC Starbuck	2	38.6	65.0	28	85.4	1.5	2	13.1	3.70	30.0	62	32.8	759	105	18
Cornell, Snyder and Ketola Farm, Ithaca, I	2679	2MS14_3317-018	2	38.5	93.0	26	81.1	2.3	1	12.5	4.44	36.8	74	60.6	507	164	43
McVillie, ND	2680	CONLON	2	40.3	94.4	23	83.8	2.9	1	13.3	5.58	44.4	145	91.0	362	234	57
McVillie, ND	2681	PINNACLE	2	39.5	93.8	20	83.2	2.1	1	12.4	4.82	40.7	157	76.7	225	198	60
McVillie, ND	2682	LACEY	6	33.1	94.6	23	81.0	2.9	1	13.9	5.93	43.7	204	77.7	156	250	57
McVillie, ND	2683	ND GENESIS	2	37.4	90.9	20	84.0	3.0	1	12.2	5.60	47.1	137	97.7	167	248	49
McVillie, ND	2684	2ND35825	2	37.3	95.5	20	83.1	3.0	1	11.8	5.60	51.0	169	102.4	133	235	52
McVillie, ND	2685	2ND35828	2	35.4	87.4	26	84.2	2.2	1	11.8	4.87	44.1	126	97.2	341	206	56
McVillie, ND	2686	2ND35829	2	36.3	86.3	22	83.4	3.4	2	12.2	4.65	40.3	177	88.1	341	183	53
McVillie, ND	2687	2ND35831	2	34.8	84.7	20	82.5	3.0	1	13.7	5.76	45.3	151	80.4	135	248	42
McVillie, ND	2688	2ND35835	2	37.8	93.7	15	82.9	3.0	1	11.6	4.91	42.2	141	105.7	256	210	58
McVillie, ND	2689	2ND35841	2	39.3	94.6	22	84.2	2.3	1	12.4	5.29	44.4	139	101.4	180	221	60
McVillie, ND	2690	2ND35844	2	40.3	93.6	18	82.5	2.9	1	12.6	5.59	48.2	187	111.6	272	222	57
McVillie, ND	2691	2ND35846	2	38.1	92.2	20	83.2	3.7	1	12.3	5.80	50.5	181	93.0	118	233	54
McVillie, ND	2692	2ND35851	2	39.5	93.1	20	84.6	3.0	1	11.8	5.76	52.9	172	115.7	146	242	54
McVillie, ND	2693	2ND35855	2	36.2	88.8	20	82.2	3.1	1	12.4	5.75	48.7	162	83.5	230	221	47
McVillie, ND	2694	2ND35856	2	37.1	91.9	19	83.4	2.8	1	11.9	5.26	45.6	165	85.9	241	200	58
McVillie, ND	2695	2ND35862	2	36.3	90.3	20	82.9	2.4	1	12.7	4.73	39.8	196	86.9	252	195	53
McVillie, ND	2696	2ND35863	2	38.9	92.0	19	82.9	2.5	2	12.1	4.72	41.1	177	81.4	323	187	57
McVillie, ND	2697	2ND35866	2	38.5	91.9	18	84.2	2.9	2	12.3	4.78	42.2	177	90.3	251	187	57

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
McVille, ND	2698	2ND35868	2	40.7	92.0	20	83.7	n.d.	3	11.6	4.61	43.1	172	87.9	280	182	58
McVille, ND	2699	2ND35869	2	35.9	89.9	22	82.9	2.6	1	12.3	4.85	42.8	166	83.9	210	196	56
McVille, ND	2700	2ND35871	2	37.9	92.4	16	83.9	2.9	1	12.7	5.33	45.3	173	90.9	218	222	58
McVille, ND	2701	2ND35872	2	38.2	93.4	10	83.9	3.0	1	12.2	5.11	42.8	150	79.2	170	228	60
McVille, ND	2702	2ND35882	2	37.5	93.5	27	82.5	2.1	2	12.3	4.80	42.5	163	87.8	416	175	52
	2703	CONRAD MALT CHECK	2	40.1	97.0	53	83.4	2.1	1	12.2	5.41	48.3	145	93.8	268	224	57
McVille, ND	2704	2ND35883	2	36.4	90.3	19	83.7	3.3	1	12.0	4.69	40.6	116	92.1	443	172	50
McVille, ND	2705	2ND35885	2	39.3	94.1	23	83.2	2.5	1	11.0	4.65	44.9	122	90.3	327	192	60
McVille, ND	2706	2ND35888	2	38.7	94.4	24	84.1	2.1	1	11.9	5.02	45.5	184	94.4	294	186	58
McVille, ND	2707	2ND35889	2	40.1	92.7	27	83.5	2.0	1	11.6	5.02	45.5	155	100.1	279	216	62
McVille, ND	2708	2ND35890	2	37.0	91.2	20	83.1	2.3	1	11.7	4.90	45.0	150	91.8	268	202	58
McVille, ND	2709	2ND35895	2	38.7	91.9	23	82.4	2.0	1	12.3	4.94	42.4	140	87.2	276	188	58
McVille, ND	2710	2ND35896	2	37.0	91.8	20	81.3	2.1	1	12.6	4.93	41.8	144	88.8	180	194	58
McVille, ND	2711	2ND35897	2	36.7	91.8	22	82.0	2.6	1	11.9	5.17	47.1	173	101.1	196	218	53
McVille, ND	2712	2ND35899	2	38.5	91.8	20	82.2	2.4	1	11.5	4.86	45.1	131	88.8	235	190	58
McVille, ND	2713	2ND35900	2	37.1	89.9	21	81.5	2.4	1	11.9	4.77	42.0	144	84.9	222	191	56
McVille, ND	2714	2ND35901	2	36.2	89.2	18	81.3	2.4	1	11.8	4.84	42.7	147	87.8	257	186	54
McVille, ND	2715	2ND35902	2	38.0	93.0	23	81.8	2.8	1	12.4	5.31	46.0	141	88.2	295	222	60
McVille, ND	2716	2ND35903	2	39.2	92.2	24	81.7	2.2	1	11.7	4.89	44.8	133	82.5	277	205	60
McVille, ND	2717	2ND35904	2	37.7	94.7	26	83.6	2.1	1	11.2	4.93	47.0	122	85.6	373	198	53
McVille, ND	2718	2ND35905	2	34.7	92.0	23	80.6	2.3	1	12.4	5.09	43.4	172	82.8	297	206	55
McVille, ND	2719	2ND35908	2	39.8	93.7	20	81.0	2.1	1	11.5	4.77	45.1	187	88.3	138	190	63
McVille, ND	2720	2ND35918	2	39.4	92.7	18	80.8	2.4	1	12.3	5.56	48.9	199	95.0	119	244	55
McVille, ND	2721	2ND35919	2	41.1	93.1	18	80.5	2.3	1	12.7	5.56	46.3	210	98.6	202	247	59
McVille, ND	2722	2ND35926	2	40.4	94.2	16	83.0	2.6	1	11.1	5.22	50.0	159	96.3	183	219	57
	2723	CONRAD MALT CHECK	2	39.7	98.2	53	81.8	2.1	2	12.5	5.31	44.7	140	82.0	335	218	59
McVille, ND	2724	CONLON	2	39.6	95.4	26	83.2	2.3	1	12.2	5.54	48.9	153	93.8	375	230	55
McVille, ND	2725	PINNACLE	2	40.1	95.0	24	81.0	2.0	2	11.5	4.76	43.1	133	57.8	411	177	56
McVille, ND	2726	LACEY	6	34.7	94.8	28	79.0	n.d.	3	13.7	5.32	40.3	136	42.2	554	179	40
McVille, ND	2727	ND GENESIS	2	38.5	95.8	26	81.6	n.d.	3	12.4	5.21	45.0	111	67.6	330	206	55
McVille, ND	2728	2ND35957	2	38.8	96.2	20	81.6	2.1	1	12.5	5.00	41.5	151	71.4	426	180	58
McVille, ND	2729	2ND35959	2	40.3	94.7	18	81.9	4.9	2	12.0	5.70	50.5	97	65.7	346	231	45
McVille, ND	2730	2ND35962	2	40.3	96.9	20	81.2	6.2	3	11.5	5.31	48.7	120	61.0	332	194	52
McVille, ND	2731	2ND35966	2	43.9	95.9	15	80.4	2.3	2	11.6	5.06	45.7	62	36.3	529	213	45
McVille, ND	2732	2ND35973	2	43.9	96.7	16	82.7	n.d.	3	11.1	4.77	45.6	134	67.0	446	198	61
McVille, ND	2733	2ND35992	2	40.4	95.7	14	82.2	n.d.	3	10.9	4.13	41.1	112	56.9	357	146	43
McVille, ND	2734	2ND35993	2	42.6	96.4	16	82.0	1.6	1	12.0	4.73	41.7	175	66.0	327	182	61
	2735	CONRAD MALT CHECK	2	39.6	97.1	53	81.8	2.0	1	12.8	5.30	43.2	164	91.0	242	231	60
McVille, ND	2736	2ND35997	2	40.2	96.5	24	83.1	5.9	1	11.8	6.30	54.3	110	80.8	87	283	54
McVille, ND	2737	2ND36019	2	38.4	95.0	19	81.7	3.5	1	12.6	6.02	50.0	172	74.4	164	279	48
McVille, ND	2738	2ND36041	2	39.2	96.2	21	80.4	4.0	2	12.0	5.20	46.7	92	43.4	380	197	46
Aberdeen, ID	2739	Harrington	2	42.9	95.3	80	79.0	1.8	1	12.9	4.86	37.9	130	68.9	532	190	50
Aberdeen, ID	2740	ACMetcalfe	2	40.5	96.7	89	80.9	2.2	1	12.1	5.03	44.5	139	84.8	212	208	59
Aberdeen, ID	2741	CDC Copeland	2	40.8	94.9	82	77.5	2.2	1	14.4	5.23	38.6	176	85.8	215	197	37
Aberdeen, ID	2742	Conrad	2	42.6	97.9	76	78.8	1.9	1	14.1	5.04	38.4	147	79.5	348	208	42
Aberdeen, ID	2743	Voyager	2	41.9	95.2	86	79.6	1.9	1	13.8	5.59	41.4	193	97.8	220	236	49
Aberdeen, ID	2744	Merit57	2	39.7	91.9	92	81.5	2.0	1	12.0	4.65	41.5	141	99.3	319	184	58
Aberdeen, ID	2745	M69	2	40.2	92.7	86	79.2	2.1	1	11.8	4.63	41.3	125	79.3	173	184	54
Aberdeen, ID	2746	11ARS002-3	2	37.4	96.7	80	79.8	1.6	1	12.0	4.37	37.5	148	65.4	170	147	41
Aberdeen, ID	2747	11ARS142-2	2	38.6	91.5	81	79.4	2.1	1	11.9	4.38	38.9	129	70.9	305	160	43
Aberdeen, ID	2748	11ARS142-3	2	41.6	96.5	94	80.1	2.2	1	12.3	4.56	39.4	135	58.4	269	157	49
Aberdeen, ID	2749	11ARS142-6	2	42.2	94.5	92	78.4	2.6	2	13.4	4.85	36.9	134	60.4	326	174	41
Aberdeen, ID	2750	11ARS162-4	2	41.4	93.6	92	80.9	2.0	1	12.6	4.85	39.4	154	71.0	214	188	52
Aberdeen, ID	2751	11ARS162-8	2	41.0	96.1	86	79.9	2.0	1	12.8	5.40	44.5	165	84.2	109	230	62
Aberdeen, ID	2752	11ARS172-6	2	46.5	97.3	78	79.1	2.1	1	14.1	4.91	36.8	133	62.8	450	185	40

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Aberdeen, ID	2753	11ARS176-9	2	41.6	93.8	79	80.6	2.2	1	12.5	5.01	42.0	110	103.5	253	204	56
Aberdeen, ID	2754	11ARS183-4	2	41.9	94.6	87	81.2	2.2	1	13.3	5.12	40.3	153	83.2	242	205	57
Aberdeen, ID	2755	11ARS183-6	2	46.9	98.7	76	82.3	2.0	1	11.9	4.89	41.6	139	82.5	114	194	66
Aberdeen, ID	2756	11ARS183-9	2	44.4	97.4	80	81.0	2.0	1	14.0	5.24	38.6	150	81.0	196	216	48
Aberdeen, ID	2757	11ARS184-7	2	44.7	95.4	71	80.2	2.4	1	12.4	4.80	39.8	131	78.4	229	192	55
Aberdeen, ID	2758	11ARS184-8	2	45.5	95.8	74	79.3	2.1	1	13.0	4.85	37.6	134	65.5	291	187	50
Aberdeen, ID	2759	12ARS044-5	2	37.4	85.7	93	80.2	2.1	1	12.6	4.75	39.6	150	81.7	290	178	43
Aberdeen, ID	2760	12ARS044-6	2	43.4	93.4	81	77.5	1.5	1	15.3	4.64	30.7	173	60.6	280	157	33
Aberdeen, ID	2761	12ARS048-7	2	43.6	95.7	87	80.4	2.1	1	13.8	4.88	35.8	145	75.4	390	191	45
Aberdeen, ID	2762	12ARS050-5	2	46.2	96.3	73	78.0	n.d.	3	13.8	4.31	32.8	116	46.0	715	139	25
Aberdeen, ID	2763	12ARS053-6	2	42.6	93.3	87	79.9	2.5	1	13.2	5.43	42.0	91	83.3	172	232	48
Aberdeen, ID	2764	12ARS057-1	2	43.1	96.4	84	81.4	2.1	1	12.8	5.19	42.6	128	84.6	206	210	63
Aberdeen, ID	2765	12ARS057-8	2	42.0	94.2	89	79.7	2.0	1	13.5	4.88	37.1	128	77.6	142	187	46
	2766	CONRAD MALT CHECK	2	37.3	97.6	54	82.3	2.0	1	12.6	5.07	43.1	126	87.3	206	221	58
Aberdeen, ID	2767	12ARS061-2	2	44.8	97.6	71	78.8	2.2	1	14.1	4.97	36.8	177	81.7	180	189	40
Kimberly, ID	2768	M69	2	36.4	86.8	88	78.2	2.1	1	11.4	4.57	41.7	126	82.5	118	190	51
Kimberly, ID	2769	M69	2	37.9	89.3	88	80.6	1.9	1	9.3	4.23	50.4	93	77.0	103	170	30
Kimberly, ID	2770	M69	2	37.3	84.4	90	80.0	1.9	1	9.5	4.28	47.3	94	76.6	109	171	27
Kimberly, ID	2771	M69	2	35.3	77.9	87	79.1	1.9	1	11.1	4.54	44.6	111	83.3	132	194	47
Kimberly, ID	2772	M69	2	33.3	72.4	97	77.0	1.8	1	12.6	4.71	39.3	120	77.9	90	154	40
Kimberly, ID	2773	M69	2	32.7	71.0	98	76.0	2.0	1	12.3	4.70	40.0	119	80.7	88	169	42
Kimberly, ID	2774	M69	2	32.8	73.8	98	77.5	2.1	1	11.5	4.75	45.1	103	82.6	59	198	47
Kimberly, ID	2775	M69	2	33.3	66.7	88	75.0	1.9	1	13.5	4.84	38.1	130	81.4	196	176	23
Kimberly, ID	2776	M69	2	37.7	89.6	92	79.1	2.1	1	10.5	4.67	45.9	105	84.8	58	186	47
Kimberly, ID	2777	M69	2	36.2	77.7	83	79.5	1.9	1	10.2	4.53	46.4	100	79.2	57	180	43
Kimberly, ID	2778	M69	2	37.0	85.1	84	80.6	2.0	1	9.8	4.33	48.4	93	81.6	37	188	37
Kimberly, ID	2779	M69	2	34.6	67.8	87	78.2	2.0	1	11.5	4.67	44.0	133	89.7	65	182	52
Kimberly, ID	2780	M69	2	31.0	58.8	86	72.8	1.8	1	16.4	5.09	32.5	192	91.3	147	203	31
Kimberly, ID	2781	M69	2	34.7	83.4	98	78.7	1.9	1	10.0	4.61	51.1	115	87.7	60	186	39
Kimberly, ID	2782	M69	2	34.3	74.2	94	77.2	1.9	1	12.2	4.74	39.7	125	87.2	69	175	40
Kimberly, ID	2783	M69	2	36.0	79.8	90	78.0	1.9	1	11.4	4.66	43.0	117	90.9	53	184	45
Kimberly, ID	2784	M69	2	33.9	69.3	89	78.8	1.8	1	11.0	4.46	42.5	117	86.5	69	187	44
Kimberly, ID	2785	M69	2	36.3	83.4	82	80.1	2.1	1	9.5	4.45	48.7	103	84.4	50	160	39
Kimberly, ID	2786	M69	2	39.3	91.3	92	80.7	1.9	1	9.0	4.51	50.5	97	85.2	41	169	42
Kimberly, ID	2787	M69	2	37.7	87.6	92	79.2	2.0	1	11.8	4.70	42.5	114	81.6	57	190	54
Kimberly, ID	2788	M69	2	35.0	75.9	91	77.5	1.7	1	13.5	4.76	37.5	122	78.6	87	172	35
Kimberly, ID	2789	M69	2	34.9	80.0	94	79.6	1.9	1	9.6	4.43	49.2	95	79.3	46	162	35
Kimberly, ID	2790	M69	2	37.5	85.5	96	80.1	1.8	1	10.5	4.42	45.6	94	78.5	52	165	43
Kimberly, ID	2791	M69	2	36.7	78.1	93	78.6	1.7	1	12.2	4.70	39.3	131	83.4	99	165	44
Kimberly, ID	2792	M69	2	42.1	95.1	86	82.3	1.9	1	9.4	4.31	51.0	90	79.7	56	162	44
Kimberly, ID	2793	M69	2	40.3	91.1	87	82.5	1.8	1	8.8	4.28	50.8	89	79.3	49	160	43
Kimberly, ID	2794	M69	2	36.9	82.6	90	80.7	1.9	1	10.4	4.51	44.2	101	81.2	75	171	44
Kimberly, ID	2795	M69	2	40.2	92.5	86	82.1	1.9	1	8.6	4.28	56.0	84	77.0	45	163	43
Kimberly, ID	2796	M69	2	37.0	81.9	93	79.6	1.7	1	12.0	4.72	41.3	113	81.1	70	163	49
	2797	CONRAD MALT CHECK	2	40.6	97.6	54	82.8	1.9	1	12.6	5.26	45.1	147	94.1	161	214	62
Kimberly, ID	2798	M69	2	37.1	84.3	97	80.4	1.9	1	11.0	4.51	44.4	104	81.3	51	172	44
Kimberly, ID	2799	M69	2	37.3	88.6	96	80.8	2.0	1	9.8	4.51	46.3	83	83.1	59	166	43
Kimberly, ID	2800	M69	2	34.7	74.8	91	78.0	1.7	1	13.3	4.90	38.3	120	84.5	107	175	31
Kimberly, ID	2801	M69	2	40.4	93.5	87	83.4	1.9	1	9.5	4.35	50.9	78	82.9	56	170	43
Kimberly, ID	2802	M69	2	37.0	84.2	89	81.5	1.8	1	9.9	4.47	47.8	95	85.4	92	171	38
Kimberly, ID	2803	M69	2	37.4	84.5	88	81.4	1.7	1	9.6	4.26	45.8	97	82.8	67	165	39
Kimberly, ID	2804	M69	2	41.8	96.8	85	82.9	2.1	1	9.6	4.48	51.2	88	86.4	82	204	52
Kimberly, ID	2805	M69	2	41.9	95.2	89	83.1	1.9	1	8.6	4.28	51.1	72	81.6	43	165	43
Kimberly, ID	2806	M69	2	37.1	80.0	88	80.4	1.9	1	10.6	4.48	45.3	99	83.6	111	168	36
Kimberly, ID	2807	M69	2	43.5	95.9	83	82.1	2.1	1	10.4	4.63	48.6	93	85.7	72	182	51

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Kimberly, ID	2808	M69	2	38.7	86.3	90	81.6	2.0	1	9.5	4.48	50.2	88	82.7	92	173	43
Kimberly, ID	2809	M69	2	41.1	96.1	88	82.5	2.3	1	7.7	4.13	58.6	60	80.7	61	158	43
Kimberly, ID	2810	M69	2	41.6	96.2	86	82.2	2.1	1	9.3	4.52	52.1	84	74.9	71	178	47
Kimberly, ID	2811	M69	2	39.6	87.3	90	81.9	2.0	1	8.7	4.23	52.4	75	69.4	51	152	39
Kimberly, ID	2812	M69	2	39.8	91.9	91	81.5	2.0	1	8.9	4.38	55.1	75	72.5	44	168	41
Kimberly, ID	2813	M69	2	42.1	96.2	88	82.0	2.2	1	9.0	4.51	55.3	75	73.4	69	178	48
Kimberly, ID	2814	M69	2	40.1	87.8	89	82.2	1.9	1	8.8	4.23	52.7	76	71.8	73	159	41
Kimberly, ID	2815	M69	2	40.2	92.4	86	82.1	1.8	1	8.6	4.00	48.9	77	73.3	72	143	40
Kimberly, ID	2816	M69	2	42.1	96.5	87	81.7	2.3	2	10.3	4.79	50.5	94	78.6	81	197	52
Kimberly, ID	2817	M69	2	40.6	97.0	82	82.6	2.0	1	10.5	4.88	50.4	88	77.8	80	205	52
Kimberly, ID	2818	M69	2	41.9	93.8	93	83.4	1.9	1	8.1	4.13	54.1	63	73.5	53	153	43
Kimberly, ID	2819	M69	2	38.3	89.0	92	82.2	1.9	1	8.1	4.22	56.5	75	71.9	58	149	39
Kimberly, ID	2820	M69	2	42.3	96.4	89	83.2	1.9	1	8.1	4.27	55.5	64	74.3	52	156	44
Kimberly, ID	2821	M69	2	39.8	91.7	96	82.6	1.8	1	8.9	4.34	52.6	79	73.0	62	147	41
Kimberly, ID	2822	M69	2	42.0	97.0	89	83.6	1.8	1	8.3	4.12	52.0	65	71.8	55	152	43
Kimberly, ID	2823	M69	2	38.5	87.7	90	81.7	1.9	1	9.0	4.29	48.1	78	68.6	64	162	39
Kimberly, ID	2824	M69	2	40.0	95.8	86	81.5	2.0	1	10.3	4.72	48.6	85	78.6	105	194	46
Kimberly, ID	2825	M69	2	37.4	88.8	98	80.5	2.2	1	9.3	4.55	52.0	80	71.8	62	170	38
Kimberly, ID	2826	M69	2	37.0	90.4	94	81.6	1.9	1	9.1	4.43	50.6	82	77.3	66	174	43
Kimberly, ID	2827	M69	2	35.0	74.2	96	77.9	1.6	1	13.2	4.85	38.8	136	80.7	138	190	34
	2828	CONRAD MALT CHECK	2	40.0	97.1	54	82.4	2.1	1	12.9	5.41	44.5	156	95.5	223	233	62
Kimberly, ID	2829	M69	2	37.2	82.8	98	78.7	1.7	1	11.9	4.67	40.4	114	77.1	127	179	42
McVillie, ND	2830	CONLON	2	40.1	93.9	21	82.1	2.6	1	14.1	5.70	41.4	175	97.2	309	237	48
McVillie, ND	2831	PINNACLE	2	43.2	97.6	20	83.4	2.7	1	12.8	5.45	43.5	145	82.2	203	224	63
McVillie, ND	2832	LACEY	6	34.3	95.1	25	81.0	2.6	1	14.2	6.10	45.8	220	81.6	111	247	53
McVillie, ND	2833	ND GENESIS	2	37.3	93.4	20	84.1	3.4	1	13.2	5.94	46.9	141	108.9	116	230	52
McVillie, ND	2834	TRADITION	2	34.8	96.9	26	81.4	2.3	1	13.6	5.56	41.0	240	85.2	244	221	48
McVillie, ND	2835	2ND36068	2	36.5	91.6	21	83.1	6.2	1	14.0	7.00	51.1	131	104.6	157	302	36
McVillie, ND	2836	2ND36073	2	36.4	92.8	26	83.6	3.0	1	12.6	5.54	46.8	142	108.3	240	224	58
McVillie, ND	2837	2ND36081	2	36.6	92.7	21	82.6	6.1	1	14.1	6.99	51.4	155	97.0	134	313	39
McVillie, ND	2838	2ND36084	2	35.5	94.2	23	81.9	5.9	1	14.3	7.00	49.2	141	79.3	144	298	39
McVillie, ND	2839	2ND36086	2	36.7	92.5	21	83.0	5.9	1	13.1	7.09	54.4	152	85.8	116	333	44
McVillie, ND	2840	2ND36087	2	35.6	92.0	25	81.8	4.0	1	13.3	6.08	48.9	166	98.6	331	251	41
Minot, ND	2841	ROBUST	6	37.4	97.0	34	80.5	1.8	1	13.7	5.39	39.9	208	70.2	203	217	53
Minot, ND	2842	LACEY	6	38.0	97.0	34	80.8	1.9	1	14.1	5.38	40.9	217	85.1	126	220	51
Minot, ND	2843	TRADITION	6	36.2	96.9	47	79.9	2.0	2	13.2	4.80	38.2	226	77.6	218	174	48
Minot, ND	2844	STELLAR-ND	6	38.4	97.7	46	81.1	1.9	1	13.0	5.11	42.4	223	86.4	100	221	66
Minot, ND	2845	QUEST	6	36.3	95.6	38	80.5	1.8	1	13.1	5.22	40.4	191	86.5	267	229	58
Minot, ND	2846	ND35040	6	38.1	97.4	36	79.9	2.2	1	11.8	4.99	43.9	194	75.8	94	195	64
Minot, ND	2847	ND35044	6	35.2	94.1	38	80.1	1.7	1	13.3	4.85	37.5	198	77.6	116	186	56
Minot, ND	2848	ND35051	6	35.9	96.8	32	79.9	2.2	1	12.6	5.01	40.7	190	86.2	100	214	61
Minot, ND	2849	ND35150	6	38.0	97.1	33	79.3	1.9	1	14.1	5.21	39.0	227	77.4	91	218	55
Minot, ND	2850	ND35166	6	37.3	96.7	38	79.3	1.7	1	13.9	4.87	37.7	197	74.0	96	208	56
Minot, ND	2851	ND35171	6	38.3	98.6	31	79.1	1.9	1	14.0	5.30	40.6	232	93.6	71	251	60
Minot, ND	2852	ND35174	6	38.8	98.5	30	79.8	1.9	1	14.3	5.31	39.3	244	88.1	94	235	55
Minot, ND	2853	ND35177	6	38.3	98.4	28	79.5	1.8	1	13.8	5.09	39.7	200	75.9	71	224	56
Minot, ND	2854	ND35178	6	38.4	97.4	31	79.4	1.9	1	14.3	5.02	37.3	188	75.9	78	214	51
Minot, ND	2855	ND35181	6	37.7	98.5	31	79.0	1.7	1	14.6	4.97	36.4	236	72.9	84	196	49
Minot, ND	2856	ND35182	6	38.3	98.6	31	79.2	1.8	1	13.4	5.16	40.1	236	78.2	65	211	61
Minot, ND	2857	ND35199	6	38.0	98.4	34	80.4	1.8	1	13.5	5.04	39.8	216	79.1	73	209	56
Minot, ND	2858	ND35204	6	36.8	97.4	38	80.6	1.8	1	13.2	5.26	41.3	245	82.4	84	227	65
	2859	LACEY MALT CHECK	6	33.0	90.2	42	80.1	2.6	1	14.2	5.77	43.3	177	82.7	74	268	56
Minot, ND	2860	ND35207	6	37.8	97.0	41	80.9	1.9	1	12.5	4.98	42.7	187	82.4	93	230	66
Minot, ND	2861	ND35210	6	37.2	97.5	32	81.0	1.8	1	13.2	5.18	41.0	215	83.4	131	224	57
Minot, ND	2862	ND35212	6	36.8	97.2	38	80.8	1.9	1	12.1	4.98	43.6	176	80.0	125	199	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha- amylase	Beta- glucan	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Minot, ND	2863	ND35233	6	36.2	97.4	35	79.4	1.9	1	13.4	5.10	39.4	213	83.6	114	215	61
Minot, ND	2864	ND35235	6	35.8	98.5	29	78.7	1.8	1	14.3	4.76	34.2	197	81.9	142	168	36
Minot, ND	2865	ND35236	6	36.1	96.4	34	78.9	1.8	1	13.9	4.97	36.8	238	79.2	73	201	53
Minot, ND	2866	ND35237	6	35.7	96.7	29	79.4	2.0	1	13.4	5.10	39.7	225	86.0	56	213	61
Minot, ND	2867	ND35267	6	36.2	97.2	34	78.6	1.8	1	14.9	4.97	35.4	204	84.4	121	194	42
Minot, ND	2868	ND35311	6	38.6	99.0	36	80.3	2.0	1	12.7	5.13	42.3	158	79.7	69	187	61
Minot, ND	2869	CONLON	2	45.9	98.2	28	80.8	1.6	1	13.5	4.81	37.1	159	83.9	300	175	40
Minot, ND	2870	PINNACLE	2	44.2	95.9	28	81.7	1.7	1	12.4	4.44	37.1	135	71.1	242	162	53
Minot, ND	2871	LACEY	6	38.9	96.7	30	79.9	1.9	1	14.4	5.30	38.8	203	77.2	106	214	55
Minot, ND	2872	ND GENESIS	2	42.5	95.9	28	81.8	1.9	1	12.0	4.79	41.4	125	86.1	161	166	58
Minot, ND	2873	2ND34583	2	46.5	98.4	29	81.8	1.9	1	12.8	5.03	42.5	150	97.5	122	197	66
Minot, ND	2874	2ND34584	2	48.3	99.4	22	82.2	1.9	1	12.9	4.92	40.7	138	94.6	193	175	58
Minot, ND	2875	2ND34594	2	43.8	97.3	28	83.3	1.9	1	11.8	4.89	43.0	132	101.3	157	196	63
Minot, ND	2876	2ND34614	2	44.7	96.8	36	81.2	1.8	1	12.6	5.15	42.6	150	87.3	233	197	63
Minot, ND	2877	2ND34616	2	44.6	96.9	36	80.9	1.7	1	14.3	4.93	36.4	174	93.1	298	189	43
Minot, ND	2878	2ND34629	2	47.1	98.8	25	82.1	1.9	1	12.3	4.99	41.9	118	95.1	113	201	63
Minot, ND	2879	2ND34634	2	50.6	99.4	28	82.4	2.2	1	11.8	4.97	42.9	132	100.0	89	206	70
Minot, ND	2880	2ND34647	2	46.8	97.0	29	82.9	2.1	1	12.8	5.08	42.1	168	91.9	130	214	66
Minot, ND	2881	2ND34697	2	49.3	98.8	30	81.9	2.8	1	12.1	5.63	50.4	136	106.2	114	268	57
Minot, ND	2882	2ND34729	2	46.4	98.2	32	82.5	2.5	1	12.8	5.61	47.4	144	102.3	52	259	61
Minot, ND	2883	2ND34781	2	44.1	94.7	33	81.2	1.9	1	13.7	5.28	40.8	137	81.6	181	223	53
Minot, ND	2884	2ND34783	2	42.9	97.0	41	80.7	2.0	1	14.6	5.38	39.4	132	75.5	202	208	45
Minot, ND	2885	2ND34784	2	43.9	95.2	39	80.2	1.8	1	13.6	4.89	38.2	123	63.5	206	192	45
Minot, ND	2886	2ND34827	2	49.2	98.7	33	81.7	2.1	1	12.5	4.96	42.5	154	84.4	93	200	70
Minot, ND	2887	2ND34867	2	45.4	97.6	12	80.4	2.0	1	12.9	4.80	39.6	152	54.2	55	187	60
Minot, ND	2888	2ND34868	2	46.2	98.0	19	80.6	2.0	1	13.7	4.81	37.6	153	73.3	76	195	52
Minot, ND	2889	2ND34870	2	46.8	98.2	19	83.0	2.1	1	11.5	4.70	41.7	122	80.9	78	181	68
	2890	CONRAD MALT CHECK	2	39.8	97.4	55	82.2	2.5	2	12.3	5.50	46.3	143	84.9	209	229	59
Minot, ND	2891	2ND34875	2	49.4	96.9	35	82.9	2.1	1	11.3	5.06	46.6	148	92.9	134	203	66
Minot, ND	2892	2ND34884	2	47.0	97.7	28	82.4	n.d.	3	12.1	5.03	42.8	163	86.9	86	184	66
Minot, ND	2893	2ND34889	2	46.1	97.4	30	81.6	2.4	1	12.4	5.43	45.8	137	82.8	73	225	70
Minot, ND	2894	2ND34954	2	48.4	97.5	32	82.4	2.1	1	12.2	5.06	43.4	157	85.5	158	187	61
Minot, ND	2895	2ND34960	2	46.5	96.6	30	82.1	2.3	1	11.7	5.00	45.4	152	83.4	151	195	63
Minot, ND	2896	2ND34962	2	46.6	97.4	34	82.6	2.3	1	11.6	5.25	46.3	145	91.3	87	200	70
Minot, ND	2897	2ND34983	2	43.4	98.2	31	81.5	2.0	1	12.3	4.92	41.1	146	82.1	277	187	61
Minot, ND	2898	2ND34999	2	45.4	96.9	30	82.0	1.9	1	12.9	5.31	43.1	142	67.1	176	212	63
Minot, ND	2899	2ND35001	2	43.9	96.7	31	83.5	1.8	1	12.7	5.24	43.6	160	72.6	104	203	66
Minot, ND	2900	2ND35013	2	45.8	96.1	27	81.2	1.7	1	13.9	4.94	37.8	145	71.9	191	178	43
Minot, ND	2901	2ND35025	2	48.8	99.0	35	83.7	2.7	1	12.2	5.49	46.1	121	98.1	179	244	63
Minot, ND	2902	2ND35027	2	46.8	99.1	31	83.5	2.4	1	11.7	5.45	48.3	157	101.5	145	227	61
Minot, ND	2903	2ND35028	2	48.7	98.3	29	83.1	1.8	1	12.7	4.98	40.7	152	73.8	195	191	63
Wooster, OH	2904	Abed Binder	2	41.1	93.7	54	79.1	n.d.	3	12.9	4.44	35.0	110	45.8	612	134	38
Wooster, OH	2905	Ackermann's Isaria	2	37.9	91.6	30	74.9	n.d.	3	17.9	4.95	28.0	107	47.4	710	161	20
Wooster, OH	2906	Agio	2	32.3	86.7	46	78.2	2.0	1	13.5	4.65	34.7	102	40.1	533	141	29
Wooster, OH	2907	Balder	2	37.4	86.7	34	75.9	2.2	2	15.9	5.53	35.4	150	49.3	484	177	22
Wooster, OH	2908	Bruens Wisa	2	37.1	90.4	37	77.8	n.d.	3	13.7	4.08	31.6	86	40.3	666	118	12
Wooster, OH	2909	Danubia	2	39.1	90.5	40	75.8	n.d.	3	15.6	4.42	30.3	107	44.7	748	130	22
Wooster, OH	2910	Dram	2	34.0	88.0	51	79.7	n.d.	3	11.8	4.34	39.4	80	47.5	541	139	27
Wooster, OH	2911	Emir	2	38.8	82.6	42	74.6	2.2	2	16.2	4.42	28.3	111	40.1	759	136	18
Wooster, OH	2912	Hanna	2	32.4	76.3	46	75.9	n.d.	3	14.9	4.31	30.9	92	44.8	629	122	7
Wooster, OH	2913	Imperial-2	2	42.5	90.6	65	72.8	2.1	2	19.1	5.28	28.8	128	45.7	692	175	29
Wooster, OH	2914	Kitzing	2	41.4	88.8	31	75.3	3.5	1	16.3	4.99	32.5	104	45.0	578	176	24
Wooster, OH	2915	Lyallpur	6	39.5	80.2	28	72.4	n.d.	3	17.6	4.76	28.0	135	40.8	682	146	18
Wooster, OH	2916	Morgenrot-1	6	35.5	87.6	54	74.8	2.0	1	15.8	4.89	32.9	174	49.8	544	158	26
Wooster, OH	2917	Refsum	2	40.4	92.6	35	77.8	2.2	1	14.9	4.60	32.8	99	46.2	616	158	22

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wooster, OH	2918	Semir	2	36.3	84.8	41	74.7	1.9	1	16.8	4.62	28.9	89	38.9	653	154	9
Wooster, OH	2919	Trèmois	2	38.8	81.3	43	77.0	n.d.	3	13.1	3.98	32.8	106	61.9	657	116	18
Wooster, OH	2920	Volla	2	36.1	88.9	30	77.7	n.d.	3	15.8	5.45	36.0	58	39.5	356	198	15
	2921	CONRAD MALT CHECK	2	39.7	97.0	54	81.9	2.2	1	12.7	5.13	42.4	119	93.5	212	219	57
Wooster, OH	2922	Algerian-1	6	36.5	84.9	45	77.8	n.d.	3	13.3	4.31	34.1	93	57.5	537	139	31
Wooster, OH	2923	Algerian-4	6	37.7	75.5	38	70.1	2.3	2	16.3	3.99	25.3	56	41.0	604	125	13
Wooster, OH	2924	Aramir	2	36.4	87.9	38	74.8	n.d.	3	16.5	4.41	27.5	74	42.7	606	134	14
Wooster, OH	2925	Armelle	2	39.1	85.5	48	75.7	n.d.	3	15.5	4.12	27.5	85	39.3	612	109	8
Wooster, OH	2926	Bruens Wisa	2	32.7	80.0	37	76.8	n.d.	3	14.7	4.22	30.1	96	49.5	593	125	7
Wooster, OH	2927	Clermont	6	45.8	91.4	45	71.9	n.d.	3	14.6	4.16	28.9	58	35.8	675	115	10
Wooster, OH	2928	Frisia	6	33.2	67.6	51	68.9	2.5	2	16.5	3.93	24.8	56	35.2	687	112	6
Wooster, OH	2929	Gull	2	46.4	92.8	39	68.8	n.d.	3	18.4	4.25	24.2	67	33.4	687	107	13
Wooster, OH	2930	Isaria-1	2	38.4	89.8	39	75.9	n.d.	3	16.0	4.83	31.4	96	46.9	617	154	16
Wooster, OH	2931	Isaria-2	2	36.3	92.4	35	77.3	n.d.	3	14.8	4.20	29.5	94	46.6	729	134	12
Wooster, OH	2932	Kenia-1	2	35.7	85.5	45	76.0	2.5	2	15.5	4.37	28.7	72	47.0	690	126	11
Wooster, OH	2933	Kenia-2	2	35.4	84.9	45	76.1	2.6	2	14.7	4.13	29.6	60	41.0	696	122	8
Wooster, OH	2934	Rika	2	39.0	91.3	29	74.9	n.d.	3	15.9	4.54	28.7	118	46.2	613	145	22
Wooster, OH	2935	Vada	2	36.6	89.1	33	74.8	2.0	1	13.8	3.73	28.4	44	38.4	768	111	5
Minot, ND	2936	ROBUST	6	37.3	97.1	37	80.1	1.6	1	13.9	5.02	37.8	201	73.4	180	220	49
Minot, ND	2937	LACEY	6	37.7	98.4	39	81.0	1.8	1	11.4	4.89	43.4	183	85.0	59	202	61
Minot, ND	2938	TRADITION	6	37.3	98.4	45	80.3	1.7	1	11.9	4.41	38.7	210	82.7	91	180	53
Minot, ND	2939	STELLAR-ND	6	38.3	97.1	44	81.4	1.7	1	12.3	4.96	41.3	209	92.9	60	214	61
Minot, ND	2940	QUEST	6	35.9	95.5	34	80.0	1.7	1	12.4	4.84	41.0	166	89.6	250	213	54
Minot, ND	2941	ND34012	6	36.5	98.1	47	81.1	2.0	1	11.0	4.48	44.0	155	90.2	69	205	58
Minot, ND	2942	ND34118	6	39.6	98.5	31	81.8	2.4	1	10.9	4.63	45.6	120	94.5	59	218	51
Minot, ND	2943	ND34141	6	36.6	98.2	35	79.6	2.1	1	13.1	5.04	39.1	167	86.3	52	231	61
Minot, ND	2944	ND34166	6	35.3	98.2	41	80.8	2.3	1	11.6	4.76	44.7	151	87.8	40	238	63
Minot, ND	2945	ND34167	6	35.0	98.2	24	80.4	2.1	1	12.1	4.78	42.7	173	72.0	85	221	63
Minot, ND	2946	ND34213	6	36.4	98.5	38	78.8	1.8	1	13.3	4.87	39.5	207	71.3	64	223	58
Minot, ND	2947	ND34306	6	38.3	97.1	36	81.0	2.2	1	11.8	4.74	42.5	188	68.2	49	224	63
Minot, ND	2948	ND34316	6	38.2	96.1	42	80.6	2.0	1	12.2	4.74	41.7	153	71.3	52	205	58
Minot, ND	2949	ND34317	6	38.9	97.8	36	80.0	2.1	1	12.3	4.78	41.3	162	65.6	75	207	58
Minot, ND	2950	ND34318	6	40.2	98.1	38	81.4	2.1	1	12.1	4.83	42.9	155	68.4	71	233	66
Minot, ND	2951	ND34351	6	37.4	97.9	30	79.9	1.8	1	12.1	4.87	43.2	171	74.1	51	213	66
	2952	LACEY MALT CHECK	6	33.2	89.5	42	79.7	3.0	1	13.8	5.68	43.4	160	69.4	158	249	61
Minot, ND	2953	ND34375	6	39.8	98.8	32	80.3	1.9	1	11.8	4.69	41.9	168	67.9	134	193	52
Minot, ND	2954	ND34377	6	38.9	98.1	35	80.3	1.9	1	12.1	4.88	43.3	172	68.7	127	187	57
Minot, ND	2955	ND34380	6	36.8	97.4	35	80.9	2.1	1	12.0	5.06	45.9	157	68.7	133	211	62
Minot, ND	2956	CONLON	2	45.0	98.5	29	82.1	1.7	1	13.3	4.85	38.1	145	72.3	372	174	48
Minot, ND	2957	PINNACLE	2	46.5	97.2	24	82.9	1.8	1	11.4	4.65	43.3	127	61.8	257	161	58
Minot, ND	2958	ND GENESIS	2	43.8	97.4	24	81.0	1.9	1	11.8	5.22	45.0	139	84.2	132	210	66
Minot, ND	2959	LACEY	6	38.3	98.2	34	82.9	1.9	1	12.0	4.93	41.6	206	73.1	190	188	49
Minot, ND	2960	2ND33669	2	43.2	96.3	30	83.1	1.8	1	12.9	5.27	43.7	158	70.2	169	221	63
Minot, ND	2961	2ND33685	2	43.8	97.5	29	82.3	2.0	1	13.6	5.34	41.8	135	67.0	253	214	53
Minot, ND	2962	2ND33686	2	42.2	96.5	34	81.5	1.5	1	13.2	4.79	38.8	136	51.8	285	163	48
Minot, ND	2963	2ND33690	2	43.5	97.3	35	81.6	1.9	1	13.6	4.97	39.1	145	67.9	255	174	43
Minot, ND	2964	2ND33699	2	43.5	98.2	33	81.2	1.6	1	13.1	4.94	39.7	143	75.7	224	180	48
Minot, ND	2965	2ND33710	2	42.5	96.0	26	82.4	1.6	1	12.6	4.78	39.8	140	60.0	177	178	53
Minot, ND	2966	2ND33729	2	46.4	97.8	32	82.2	2.0	1	12.9	5.37	42.2	133	66.3	231	227	63
Minot, ND	2967	2ND33738	2	44.1	95.7	34	82.7	2.2	1	12.4	5.32	44.3	112	69.2	194	238	60
Minot, ND	2968	2ND33751	2	45.7	94.5	34	83.3	2.3	1	12.2	5.44	48.2	97	67.7	174	230	51
Minot, ND	2969	2ND33757	2	47.1	96.1	34	81.7	2.2	1	12.6	5.07	41.7	98	61.1	222	198	56
Minot, ND	2970	2ND33760	2	46.9	96.4	34	82.5	2.0	1	12.1	5.09	42.4	127	62.1	166	209	63
Minot, ND	2971	2ND33763	2	44.0	96.3	32	81.1	1.9	1	12.7	5.11	40.6	127	64.1	202	204	63
Minot, ND	2972	2ND33821	2	50.4	99.0	34	82.7	1.9	1	11.7	4.90	44.6	117	53.4	153	195	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Minot, ND	2973	2ND33930	2	46.9	97.7	30	82.6	2.2	1	11.9	4.96	44.0	101	69.8	139	206	63
Minot, ND	2974	2ND33996	2	49.2	98.1	33	81.5	2.5	2	11.5	4.36	38.5	162	57.4	223	147	48
Bozeman, MT	2975	1001 - Train	2	46.6	98.9	77	81.3	2.8	2	12.5	4.55	37.2	120	55.0	414	164	52
Bozeman, MT	2976	1002 - Train	2	47.4	99.2	78	79.3	2.5	2	14.2	4.48	32.3	157	58.2	558	144	36
Bozeman, MT	2977	1003 - Train	2	47.7	98.2	84	81.1	1.9	1	13.2	5.05	38.9	131	62.7	270	189	51
Bozeman, MT	2978	1004 - Train	2	49.8	99.0	74	80.0	1.9	1	12.7	4.56	36.4	169	47.8	558	154	47
Bozeman, MT	2979	1005 - Train	2	44.5	98.5	74	81.4	2.2	2	13.0	4.48	35.0	156	78.4	521	150	47
Bozeman, MT	2980	1006 - Train	2	41.3	96.8	76	80.3	1.5	1	12.4	4.33	36.7	138	77.1	406	149	45
Bozeman, MT	2981	1007 - Train	2	42.8	98.0	82	80.2	1.9	2	12.7	4.22	34.3	153	51.7	669	137	45
Bozeman, MT	2982	1008 - Train	2	38.3	94.5	84	77.8	1.8	2	14.3	4.22	30.5	165	47.6	661	132	22
Bozeman, MT	2984	1009 - Train	2	42.9	96.2	75	78.8	1.5	1	15.0	4.92	34.0	221	92.4	455	187	40
Bozeman, MT	2985	1010 - Train	2	40.4	96.3	84	80.0	1.3	1	13.8	4.52	33.2	212	81.3	323	146	39
Bozeman, MT	2986	1011 - Train	2	44.7	98.0	80	79.4	1.9	2	12.3	4.14	35.6	129	66.5	686	127	42
Bozeman, MT	2987	1012 - Train	2	38.6	96.9	86	80.6	1.3	1	11.0	4.05	36.9	134	76.3	554	133	43
Bozeman, MT	2988	1013 - Train	2	43.1	98.8	72	82.0	1.6	1	11.3	4.24	37.7	160	60.3	154	137	49
Bozeman, MT	2989	1014 - Train	2	41.0	96.4	79	81.4	1.6	1	13.5	4.84	37.7	178	89.7	425	174	47
Bozeman, MT	2990	1015 - Train	2	42.0	97.8	70	79.0	1.4	1	12.8	4.29	34.3	182	64.5	412	143	43
Bozeman, MT	2991	1016 - Train	2	40.3	97.0	74	81.2	1.7	1	13.5	5.07	39.8	143	109.7	449	221	52
Bozeman, MT	2992	1017 - Train	2	46.4	99.6	70	80.0	1.8	2	13.9	4.40	33.1	145	62.9	470	138	39
Bozeman, MT	2993	1018 - Train	2	47.9	99.0	74	81.2	1.6	2	12.2	4.22	35.9	108	59.8	454	134	45
Bozeman, MT	2994	1019 - Train	2	44.6	99.0	82	80.0	1.3	1	13.2	4.07	31.4	125	52.4	316	129	41
Bozeman, MT	2995	1020 - Train	2	43.0	98.6	72	80.5	1.3	1	12.4	4.17	33.9	187	57.5	119	133	49
Bozeman, MT	2996	1021 - Train	2	43.0	97.1	75	80.1	1.3	1	13.1	4.51	35.3	158	79.3	425	167	45
Bozeman, MT	2997	1022 - Train	2	41.6	98.2	72	80.2	1.5	1	12.9	4.18	32.9	174	55.6	187	125	45
Bozeman, MT	2998	1023 - Train	2	43.0	97.7	75	80.1	1.3	1	12.4	4.22	35.4	136	80.0	433	147	46
Bozeman, MT	2999	1024 - Train	2	39.6	92.2	89	79.1	1.5	1	12.5	4.66	38.9	132	96.8	257	185	47
Bozeman, MT	3000	1025 - Train	2	39.8	96.6	77	78.8	1.6	1	14.8	5.09	34.5	200	99.0	338	200	39
Bozeman, MT	3001	1026 - Train	2	48.1	98.2	77	77.4	2.4	2	14.5	4.86	34.0	133	64.4	465	184	35
Bozeman, MT	3002	1027 - Train	2	44.7	97.3	79	78.8	1.4	1	14.3	4.75	33.9	200	63.4	390	168	37
Bozeman, MT	3003	1028 - Train	2	40.6	96.4	74	78.9	1.3	1	13.0	3.97	31.8	125	53.7	592	105	39
Bozeman, MT	3004	1029 - Train	2	43.7	96.7	81	79.5	1.3	1	12.9	4.35	34.1	128	67.4	488	138	46
Bozeman, MT	3005	1030 - Train	2	43.7	97.2	69	81.4	1.9	1	13.1	4.94	40.7	118	88.8	587	196	55
Bozeman, MT	3006	1031 - Train	2	41.8	97.1	72	81.4	1.5	1	12.1	4.57	38.6	138	93.3	336	162	52
Bozeman, MT	3007	1032 - Train	2	48.0	98.7	83	78.2	1.5	1	14.8	4.76	34.0	199	69.1	375	161	37
Bozeman, MT	3008	1033 - Train	2	39.2	93.3	93	80.0	1.7	1	14.2	5.09	36.9	136	75.1	515	211	42
Bozeman, MT	3009	1034 - Train	2	42.6	97.5	62	81.8	1.7	1	12.0	4.89	43.0	122	100.8	420	207	63
Bozeman, MT	3010	1035 - Train	2	40.4	94.2	89	79.1	2.1	2	12.1	4.23	37.5	112	78.3	409	144	38
Bozeman, MT	3011	1036 - Train	2	49.7	98.0	77	80.4	1.7	1	12.3	4.65	38.6	146	82.9	426	174	50
Bozeman, MT	3012	1037 - Train	2	47.1	97.9	80	80.6	1.8	2	12.8	3.90	31.6	111	53.4	673	124	39
Bozeman, MT	3013	1038 - Train	2	45.5	98.3	70	80.5	1.8	2	12.5	4.12	34.4	146	54.8	495	134	45
	3014	CONRAD MALT CHECK	2	39.7	96.7	54	82.1	2.0	1	12.5	5.04	42.1	149	93.8	234	220	60
Bozeman, MT	3015	1039 - Train	2	40.8	95.8	74	77.4	1.3	1	16.0	4.48	29.2	160	74.2	313	166	32
Bozeman, MT	3016	1040 - Train	2	43.8	98.1	77	79.8	1.8	2	13.7	4.09	32.2	161	68.6	484	126	35
Bozeman, MT	3017	1041 - Train	2	43.1	95.0	77	81.1	1.6	1	12.3	4.20	34.4	130	87.5	320	159	49
Bozeman, MT	3018	1042 - Train	2	41.4	94.7	77	78.1	1.3	1	14.7	4.47	32.1	200	87.2	286	158	36
Bozeman, MT	3019	1043 - Train	2	49.4	99.6	62	79.8	1.8	1	14.1	4.56	33.6	177	71.4	333	169	40
Bozeman, MT	3020	1044 - Train	2	43.8	96.1	83	79.2	1.3	1	12.7	4.03	33.3	148	73.8	572	135	43
Bozeman, MT	3021	1045 - Train	2	38.5	96.5	89	79.2	2.0	2	14.0	4.00	28.9	151	71.9	708	136	29
Bozeman, MT	3022	1046 - Train	2	39.7	95.8	84	80.0	1.4	1	12.2	4.55	38.6	145	94.7	235	202	52
Bozeman, MT	3023	1047 - Train	2	44.2	98.2	74	80.2	1.5	1	12.4	4.22	34.9	132	73.0	399	143	46
Bozeman, MT	3024	1048 - Train	2	36.4	87.5	89	79.4	1.2	1	13.3	4.16	32.7	156	79.7	487	155	34
Bozeman, MT	3025	1049 - Train	2	38.3	89.2	80	79.5	1.3	1	13.8	4.67	35.2	190	92.2	228	178	35
Bozeman, MT	3026	1050 - Train	2	39.2	96.9	61	78.5	1.3	1	15.3	4.39	29.5	201	67.4	277	148	30
Bozeman, MT	3027	1051 - Train	2	42.6	96.3	77	79.8	1.2	1	13.8	4.33	31.8	157	71.8	160	145	36
Bozeman, MT	3028	1052 - Train	2	38.7	91.1	84	79.0	1.6	1	14.7	4.59	31.3	179	70.5	354	176	34

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Bozeman, MT	3029	1053 - Train	2	42.4	98.7	83	78.1	1.2	1	14.8	3.64	25.7	156	51.9	419	113	30
Bozeman, MT	3030	1054 - Train	2	46.2	96.4	80	78.4	1.2	1	13.5	3.92	29.8	140	50.3	491	114	30
Bozeman, MT	3031	1055 - Train	2	39.4	96.8	71	80.7	1.2	1	13.7	4.73	36.2	182	74.1	220	171	37
Bozeman, MT	3032	1056 - Train	2	41.8	98.2	83	79.5	1.3	1	14.8	4.57	31.7	181	69.3	350	165	39
Bozeman, MT	3033	1057 - Train	2	43.9	97.0	88	80.2	1.4	1	14.1	4.71	35.0	181	74.3	381	183	43
Bozeman, MT	3034	1058 - Train	2	37.5	86.5	88	80.4	1.2	1	13.4	4.53	34.5	199	95.2	116	164	41
Bozeman, MT	3035	1059 - Train	2	41.7	96.8	89	80.3	1.3	1	12.9	4.48	36.7	157	90.2	296	174	49
Bozeman, MT	3036	1060 - Train	2	35.3	89.0	90	78.3	1.6	1	14.9	4.64	33.0	214	72.1	310	172	30
Bozeman, MT	3037	1061 - Train	2	42.4	95.6	90	80.2	1.2	1	13.7	4.48	33.2	190	89.2	300	159	40
Bozeman, MT	3038	1062 - Train	2	38.0	90.6	75	77.9	1.2	1	15.5	4.62	30.6	209	98.3	319	168	30
Bozeman, MT	3039	1063 - Train	2	42.8	97.9	80	80.5	2.0	2	13.0	4.59	37.3	159	77.2	475	173	44
Bozeman, MT	3040	1064 - Train	2	44.6	98.1	82	78.6	1.9	2	13.3	3.91	30.4	128	57.0	605	128	34
Bozeman, MT	3041	1065 - Train	2	42.1	95.3	84	80.0	1.8	1	13.9	5.06	36.5	159	105.7	97	213	52
Bozeman, MT	3042	1066 - Train	2	36.5	93.5	77	79.2	1.2	1	14.6	4.51	32.6	176	90.9	318	162	32
Bozeman, MT	3043	1067 - Train	2	44.7	94.6	80	78.2	1.9	2	14.4	4.43	31.8	166	63.5	442	140	36
Bozeman, MT	3044	1068 - Train	2	42.0	98.1	80	78.9	1.2	1	14.6	4.44	31.9	195	89.5	297	154	36
	3045	CONRAD MALT CHECK	2	40.6	97.1	54	81.9	2.0	1	12.1	5.10	42.4	163	101.5	170	217	62
Crookston, MN	3046	6MS15_4324-017	6	37.8	98.2	24	80.3	2.3	1	13.1	5.65	43.5	201	97.9	123	268	66
Crookston, MN	3047	6MS15_4314-022	6	36.6	93.3	32	79.6	2.1	1	14.0	5.51	41.2	210	85.9	244	238	48
Crookston, MN	3048	6MS15_4302-031	6	35.1	96.0	30	80.6	1.9	1	14.5	5.52	40.5	206	92.4	138	239	51
Crookston, MN	3049	6MS15_4303-031	6	33.4	90.2	28	79.1	1.8	1	13.5	5.00	38.8	187	77.5	137	206	57
Crookston, MN	3050	6MS15_4303-003	6	36.6	97.9	24	79.4	1.9	1	13.8	5.00	38.1	168	86.9	208	248	49
Crookston, MN	3051	6MS15_4318-029	6	36.7	99.3	37	78.5	2.0	1	14.4	5.42	39.7	226	89.5	123	249	48
Crookston, MN	3052	Quest	6	35.0	96.7	27	79.8	1.8	1	13.6	5.16	39.8	195	85.9	262	233	49
Crookston, MN	3053	6MS15_4309-027	6	34.9	92.7	29	78.6	1.8	1	13.8	5.19	40.3	193	82.3	169	244	49
Crookston, MN	3054	6MS15_4303-033	6	35.9	98.6	25	80.3	1.8	1	12.4	4.79	40.8	166	84.5	238	235	51
Crookston, MN	3055	Tradition	6	35.2	97.7	24	79.9	1.6	1	14.1	4.86	36.2	218	78.7	227	238	44
Crookston, MN	3056	Rasmusson	6	36.7	96.3	15	81.0	1.9	1	13.1	5.29	41.4	214	90.9	166	241	61
Crookston, MN	3057	6MS15_4321-021	6	35.4	94.3	28	78.8	1.7	1	15.6	5.39	35.7	200	72.4	368	266	45
Crookston, MN	3058	6MS15_4304-017	6	33.4	94.8	20	78.9	2.0	1	14.3	5.75	42.2	209	94.6	263	245	46
Crookston, MN	3059	6MS15_4313-034	6	35.4	92.2	28	79.5	2.0	1	15.5	6.35	42.2	254	86.3	306	309	46
Crookston, MN	3060	6MS15_4303-020	6	38.3	99.2	24	78.9	1.8	1	14.3	4.96	35.1	176	82.9	298	255	41
Crookston, MN	3061	6MS15_4307-026	6	37.0	99.3	26	79.7	1.9	1	14.5	5.33	38.6	204	85.8	242	239	48
Crookston, MN	3062	6MS15_4309-007	6	38.7	99.2	24	81.1	2.2	1	14.1	4.88	36.1	226	94.0	191	311	44
Crookston, MN	3063	6MS15_4303-001	6	37.0	99.0	30	79.5	2.0	1	13.7	5.00	36.9	146	84.1	323	231	49
Crookston, MN	3064	6MS15_4317-023	6	33.8	94.6	24	80.4	1.9	1	12.5	4.08	34.2	125	73.3	107	205	55
Crookston, MN	3065	6MS15_4317-017	6	37.0	99.7	31	81.7	2.1	1	12.8	5.03	42.2	159	90.3	127	236	62
Crookston, MN	3066	6MS15_4307-025	6	35.0	97.9	28	79.3	1.9	1	13.3	4.96	40.0	198	84.1	142	215	57
Crookston, MN	3067	6MS15_4304-005	6	34.5	98.0	28	80.0	1.8	1	13.2	5.50	43.1	178	89.7	205	267	63
Crookston, MN	3068	6MS15_4304-027	6	35.4	98.9	23	81.1	2.2	1	14.0	5.71	43.3	166	98.8	276	278	49
Crookston, MN	3069	6MS15_4318-022	6	35.8	95.7	28	79.5	1.9	1	14.4	5.21	38.6	185	79.6	210	243	48
Crookston, MN	3070	6MS15_4303-028	6	35.1	97.1	27	79.1	1.9	1	14.4	4.97	36.7	173	78.0	255	253	44
Crookston, MN	3071	6MS15_4307-003	6	36.3	98.5	25	79.5	2.0	1	14.4	5.10	37.9	164	86.2	234	234	44
Crookston, MN	3072	6MS15_4309-041	6	35.7	98.4	26	79.7	2.1	1	13.7	5.03	38.8	155	91.7	117	222	56
Crookston, MN	3073	Quest	6	34.8	93.9	32	80.0	1.9	1	13.6	4.92	39.2	175	87.2	252	243	49
Crookston, MN	3074	6MS15_4307-024	6	33.8	93.0	29	79.7	1.7	1	13.8	4.76	37.1	162	80.4	169	190	44
Crookston, MN	3075	Tradition	6	35.8	99.0	28	80.0	1.7	1	14.1	4.88	36.6	211	79.6	175	225	44
	3076	CONRAD MALT CHECK	2	40.6	96.8	53	82.7	1.9	1	12.5	5.01	41.3	136	95.4	159	233	62
Crookston, MN	3077	6MS15_4324-019	6	38.5	98.0	22	79.7	2.2	1	15.1	5.50	38.3	174	92.0	146	236	51
Crookston, MN	3078	Rasmusson	6	34.8	93.2	7	80.8	2.1	1	12.8	4.86	39.7	184	88.8	139	245	57
Crookston, MN	3079	6MS15_4306-016	6	32.1	91.9	23	79.9	1.9	1	14.5	5.53	40.0	230	94.8	132	278	51
Crookston, MN	3080	6MS15_4304-031	6	35.9	98.6	28	79.5	1.8	1	13.4	4.19	33.6	165	85.5	181	203	51
Crookston, MN	3081	6MS15_4316-023	6	34.1	93.4	25	79.4	1.7	1	14.6	5.22	37.1	227	84.2	196	255	48
Crookston, MN	3082	6MS15_4314-037	6	35.2	95.7	25	80.9	2.0	1	14.0	3.80	28.8	191	84.8	272	236	41
Crookston, MN	3083	6MS15_4303-010	6	36.4	98.6	23	80.5	1.6	1	13.9	4.80	36.3	197	88.3	155	240	52

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Crookston, MN	3084	6MS15_4306-030	6	37.0	98.4	29	79.9	1.6	1	13.8	4.96	37.1	198	89.9	184	222	49
Crookston, MN	3085	6MS15_4302-044	6	36.1	99.1	25	81.0	2.2	1	14.2	5.80	43.6	223	98.0	88	231	56
Crookston, MN	3086	6MS15_4317-027	6	36.5	98.8	25	80.6	2.9	1	14.0	5.84	44.4	160	91.8	66	253	61
Morris, MN	3087	6MS15_4303-020	6	38.8	98.2	29	79.2	1.9	1	14.7	5.60	40.3	181	83.7	171	226	48
Morris, MN	3088	6MS15_4306-030	6	35.9	98.2	36	78.6	1.8	1	14.6	5.50	39.8	154	89.6	308	223	45
Morris, MN	3089	Rasmusson	6	37.7	96.1	28	80.0	2.0	1	13.4	5.42	42.9	165	94.2	97	234	70
Morris, MN	3090	6MS15_4314-022	6	36.8	99.1	41	79.4	2.6	1	15.9	6.69	42.8	217	100.5	105	282	53
Morris, MN	3091	6MS15_4318-029	6	35.9	98.6	41	77.1	2.1	1	15.9	6.05	39.8	218	94.2	140	242	34
Morris, MN	3092	6MS15_4324-017	6	35.2	95.4	27	78.4	2.4	1	16.0	6.30	41.3	197	101.5	219	280	38
Morris, MN	3093	6MS15_4309-041	6	36.1	98.5	31	78.1	2.1	1	15.1	5.90	40.0	169	99.8	68	249	45
Morris, MN	3094	6MS15_4324-019	6	38.4	98.3	26	78.5	2.2	1	16.0	6.21	40.1	171	102.7	129	273	41
Morris, MN	3095	6MS15_4317-023	6	36.6	97.6	27	79.6	2.2	1	14.0	5.49	40.3	138	84.7	73	256	52
Morris, MN	3096	Quest	6	33.3	95.4	28	79.1	1.7	1	13.9	5.33	39.7	179	92.2	235	230	53
Morris, MN	3097	6MS15_4303-010	6	36.9	96.3	23	78.8	1.8	1	13.9	5.41	39.7	171	86.0	126	225	53
Morris, MN	3098	Tradition	6	36.0	96.6	33	79.8	1.9	1	14.6	5.60	39.7	199	90.7	206	226	48
Morris, MN	3099	6MS15_4304-027	6	36.7	98.8	33	80.3	2.3	1	15.0	6.27	42.0	168	98.5	272	268	41
Morris, MN	3100	6MS15_4309-027	6	35.4	94.5	37	78.8	2.1	1	14.3	5.95	42.0	190	94.0	222	255	46
Morris, MN	3101	6MS15_4314-037	6	36.3	98.6	36	80.7	2.3	1	15.1	6.10	41.8	210	90.8	125	268	44
Morris, MN	3102	6MS15_4307-003	6	35.5	94.3	38	79.0	1.8	1	15.3	5.70	38.3	197	88.3	247	235	41
Morris, MN	3103	6MS15_4317-027	6	35.8	95.7	33	79.7	2.6	1	13.7	5.76	42.0	158	75.9	76	259	56
Morris, MN	3104	6MS15_4303-033	6	35.9	97.8	29	79.6	1.7	1	13.6	5.18	40.6	169	86.2	312	233	49
Morris, MN	3105	6MS15_4304-005	6	33.7	96.7	38	79.9	1.7	1	13.7	5.42	39.8	146	89.8	218	228	53
Morris, MN	3106	6MS15_4304-017	6	37.6	99.6	31	78.9	2.1	1	15.3	6.11	40.9	234	102.1	194	262	38
	3107	LACEY MALT CHECK	6	32.5	89.2	42	79.8	2.4	1	13.8	5.69	43.7	174	89.6	33	242	65
Morris, MN	3108	6MS15_4306-016	6	34.8	98.3	31	80.2	2.0	1	13.5	5.74	43.3	207	93.1	189	257	54
Morris, MN	3109	6MS15_4313-034	6	35.9	97.4	35	79.2	1.8	1	16.2	6.44	41.7	274	92.8	258	278	41
Morris, MN	3110	6MS15_4303-003	6	37.8	98.7	33	80.1	1.8	1	14.3	5.67	42.2	180	95.8	246	257	53
Morris, MN	3111	6MS15_4317-017	6	35.0	98.3	33	80.7	2.2	1	13.6	5.51	40.9	178	90.8	231	232	53
Morris, MN	3112	6MS15_4303-031	6	36.8	95.6	34	79.6	1.8	1	14.7	5.50	38.2	202	85.9	129	226	51
Morris, MN	3113	6MS15_4304-031	6	33.0	92.0	36	79.0	1.7	1	13.7	5.05	37.4	179	87.3	187	190	44
Morris, MN	3114	6MS15_4321-021	6	37.0	96.3	30	78.4	1.7	1	16.8	6.07	38.2	256	83.8	322	249	38
Morris, MN	3115	6MS15_4318-022	6	37.7	98.7	31	78.9	2.0	1	15.2	5.78	40.5	235	91.9	119	253	48
Morris, MN	3116	6MS15_4307-025	6	35.4	99.0	30	78.2	1.8	1	15.5	5.72	38.3	258	91.1	100	230	48
Morris, MN	3117	Rasmusson	6	37.3	98.0	30	80.3	1.8	1	13.7	5.35	41.2	209	93.9	91	223	60
Morris, MN	3118	Quest	6	35.9	98.8	32	79.7	1.7	1	13.8	5.46	42.7	204	93.3	189	221	58
Morris, MN	3119	6MS15_4316-023	6	36.7	98.7	29	78.9	2.0	1	16.1	6.27	40.4	269	92.5	122	300	41
Morris, MN	3120	6MS15_4302-044	6	36.0	97.6	32	79.4	2.2	1	15.7	6.42	42.7	256	99.0	154	272	49
Morris, MN	3121	6MS15_4303-001	6	37.2	97.0	34	78.8	1.9	1	15.4	5.71	39.0	177	88.7	311	241	41
Morris, MN	3122	6MS15_4307-024	6	36.5	97.4	34	78.9	1.8	1	14.7	5.47	38.9	205	86.8	206	220	45
Morris, MN	3123	Tradition	6	36.7	98.6	39	79.0	1.8	1	14.8	5.58	39.5	225	84.6	173	232	45
Morris, MN	3124	6MS15_4309-007	6	38.0	99.0	36	79.8	2.2	1	14.8	6.01	42.9	196	86.6	190	268	46
Morris, MN	3125	6MS15_4307-026	6	35.3	96.1	35	79.0	2.1	1	14.9	5.89	41.8	179	80.2	268	240	41
Morris, MN	3126	6MS15_4302-031	6	35.3	98.3	41	79.6	2.1	1	15.8	5.99	39.5	208	97.1	99	261	51
Morris, MN	3127	6MS15_4303-028	6	38.6	97.8	36	78.6	1.9	1	15.1	5.65	40.1	223	83.6	182	236	45
Crookston, MN	3128	TM14.026-18	2	48.8	98.8	39	83.4	1.8	1	13.0	5.32	43.7	149	69.9	383	219	58
Crookston, MN	3129	TM14.004-25	2	45.6	99.3	21	81.0	1.7	2	12.0	4.26	37.3	105	67.7	259	160	45
Crookston, MN	3130	2MS14_4005-006	2	41.3	95.7	32	82.2	2.6	1	13.3	5.70	45.3	132	89.1	164	240	53
Crookston, MN	3131	TM15.071-07	2	44.0	98.4	32	81.5	1.8	1	12.6	4.96	39.8	107	77.0	185	179	50
Crookston, MN	3132	TM14.030-07	2	47.2	99.4	36	83.5	2.4	1	11.3	5.22	47.6	99	82.9	215	205	51
Crookston, MN	3133	TM15.002-19	2	45.8	98.0	21	80.6	1.9	2	12.0	4.33	38.0	108	68.1	185	125	42
Crookston, MN	3134	TM15.093-09	2	45.3	95.5	23	77.6	1.8	1	13.4	4.58	34.8	102	69.7	483	145	35
Crookston, MN	3135	TM15.002-12	2	46.7	98.9	30	84.1	3.2	1	11.7	5.78	53.7	90	93.5	265	241	47
Crookston, MN	3136	TM15.036-10	2	48.9	99.6	28	83.1	2.0	1	12.2	4.86	42.8	95	69.7	474	172	51
Crookston, MN	3137	TM15.011-09	2	47.3	98.4	30	84.2	2.8	2	11.7	5.17	45.6	102	86.7	193	198	59
	3138	CONRAD MALT CHECK	2	40.1	97.4	53	82.1	1.9	1	12.3	5.27	44.6	140	89.4	184	226	62

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Crookston, MN	3139	TM15.069-05	2	47.2	98.8	36	83.0	2.1	1	13.0	5.51	43.5	143	87.0	294	234	63
Crookston, MN	3140	TM15.036-17	2	41.9	98.3	20	84.5	3.5	2	11.4	5.49	51.5	85	88.1	441	228	49
Crookston, MN	3141	TM15.041-10	2	40.4	99.4	31	82.9	1.9	2	11.4	4.54	43.3	118	80.1	264	157	53
Crookston, MN	3142	TM15.036-23	2	46.7	99.1	32	81.5	1.6	1	12.8	4.65	39.2	110	77.1	308	155	50
Crookston, MN	3143	TM14.013-41	2	48.7	98.8	25	84.9	2.7	1	12.0	5.77	52.2	136	89.4	162	242	54
Crookston, MN	3144	TM15.093-14	2	48.1	99.3	18	79.9	1.7	1	13.1	4.70	36.3	137	62.5	217	146	45
Crookston, MN	3145	TM15.029-04	2	47.0	98.8	32	83.9	2.5	1	12.7	5.87	48.6	130	100.7	91	249	61
Crookston, MN	3146	ND_Genesis	2	42.1	97.5	24	82.8	2.1	1	11.4	5.00	46.1	134	93.0	176	201	63
Crookston, MN	3147	TM15.020-09	2	40.5	99.0	30	79.8	2.6	2	13.5	5.40	39.9	96	81.0	348	221	36
Crookston, MN	3148	TM15.020-03	2	43.5	97.9	24	81.9	2.5	2	12.9	5.21	42.4	109	76.8	362	200	59
Crookston, MN	3149	TM15.022-25	2	45.5	99.0	23	79.1	1.6	1	13.4	4.48	34.5	100	56.1	349	153	39
Crookston, MN	3150	TM15.020-02	2	45.4	97.6	26	81.6	2.0	1	12.7	5.34	42.6	120	83.9	400	204	63
Crookston, MN	3151	TM14.006-01	2	44.6	99.1	17	81.6	1.6	1	12.6	4.71	39.4	133	85.8	205	165	53
Crookston, MN	3152	Pinnacle	2	43.5	97.5	20	81.8	1.9	1	11.3	4.50	42.1	121	70.4	270	151	58
Crookston, MN	3153	2MS14_4009-007	2	49.3	99.2	18	80.9	1.7	1	13.6	4.98	39.3	163	82.8	245	164	40
Crookston, MN	3154	TM14.037-07	2	47.6	99.6	23	82.3	1.9	1	12.4	5.12	42.3	150	85.0	328	197	63
Crookston, MN	3155	TM15.093-11	2	46.2	98.5	23	80.8	2.1	1	12.6	5.12	41.9	91	77.1	258	208	53
Crookston, MN	3156	TM15.039-10	2	42.3	97.9	23	79.7	2.7	2	13.2	4.73	37.8	84	67.9	470	163	37
Crookston, MN	3157	TM15.016-05	2	46.9	97.8	22	81.1	1.6	1	13.2	4.85	37.7	127	76.4	136	176	51
Crookston, MN	3158	Pinnacle	2	44.8	98.3	15	81.7	2.2	1	11.2	4.58	42.1	117	65.1	257	156	55
Crookston, MN	3159	TM15.020-12	2	45.8	98.0	20	80.8	2.5	2	14.0	4.93	35.8	135	65.2	275	170	39
Crookston, MN	3160	TM15.078-36	2	44.3	98.2	28	80.9	2.6	1	13.9	5.75	44.0	115	90.0	260	241	43
Crookston, MN	3161	2MS14_4005-010	2	41.2	96.7	23	82.0	2.8	1	12.7	5.68	46.0	171	104.2	189	258	58
Crookston, MN	3162	TM14.013-42	2	46.4	99.5	23	83.7	2.5	1	10.1	5.02	51.4	115	105.0	98	221	57
Crookston, MN	3163	2MS14_3323-012	2	44.2	98.8	22	80.0	1.7	1	11.9	4.42	37.6	152	66.9	278	159	50
Crookston, MN	3164	TM15.029-40	2	42.0	98.8	23	83.8	1.7	1	12.5	4.90	41.3	139	85.2	144	186	64
Crookston, MN	3165	TM14.013-62	2	45.1	99.8	25	83.6	2.9	1	11.4	5.36	50.3	114	105.6	198	227	55
Crookston, MN	3166	TM14.004-16	2	41.1	97.6	27	83.8	1.7	1	12.9	4.67	37.3	126	71.3	347	164	52
Crookston, MN	3167	TM14.013-61	2	46.7	99.2	26	83.8	3.0	1	11.0	5.23	49.0	92	87.5	309	221	51
Crookston, MN	3168	TM14.013-17	2	43.6	98.0	24	82.7	2.9	1	11.1	5.20	50.7	120	95.4	334	206	55
Crookston, MN	3169	CONRAD MALT CHECK	2	40.0	97.1	54	82.5	1.9	1	12.7	5.21	44.2	141	97.1	177	217	60
Crookston, MN	3170	2MS14_4012-011	2	43.4	97.3	24	81.6	2.7	1	11.9	5.42	48.0	109	95.6	253	244	55
Crookston, MN	3171	TM15.016-12	2	43.1	98.4	20	82.0	2.0	1	12.8	5.07	41.1	116	82.1	192	203	60
Crookston, MN	3172	TM15.002-22	2	46.0	98.8	21	80.1	2.1	1	12.7	4.81	40.6	107	75.6	315	175	52
Crookston, MN	3173	ND_Genesis	2	43.1	98.8	23	83.4	2.1	1	11.2	4.68	44.2	116	89.6	167	195	60
Crookston, MN	3174	TM14.013-10	2	42.8	98.3	21	83.1	2.5	1	11.3	4.96	48.0	107	99.5	175	224	55
Crookston, MN	3175	TM15.029-31	2	46.0	98.9	26	81.2	2.5	1	12.9	5.43	43.0	134	87.9	50	247	70
Crookston, MN	3176	2MS14_4012-009	2	44.3	98.8	25	80.1	1.7	1	13.0	4.37	34.7	121	62.5	414	155	46
Crookston, MN	3177	TM15.028-16	2	41.9	98.2	14	79.6	1.7	1	14.3	4.68	34.4	127	70.1	217	167	39
Crookston, MN	3178	TM15.029-17	2	41.6	96.7	29	80.0	2.5	1	13.8	5.26	40.6	108	80.2	160	207	46
Crookston, MN	3179	2MS14_4005-007	2	42.8	97.4	30	81.5	3.4	1	13.5	5.98	47.0	121	93.8	134	302	47
Crookston, MN	3180	TM14.013-27	2	43.4	98.8	24	82.3	2.8	1	11.7	5.45	47.5	93	89.6	128	258	54
Crookston, MN	3181	TM15.002-07	2	46.3	99.2	17	81.2	2.6	1	13.1	5.41	43.2	106	87.4	186	221	55
Crookston, MN	3182	TM15.002-10	2	43.5	98.4	12	79.4	1.9	1	13.1	5.03	38.6	142	81.8	316	171	45
Crookston, MN	3183	TM15.028-27	2	41.4	97.9	13	80.4	2.3	1	13.5	5.35	41.1	110	65.3	164	219	46
Crookston, MN	3184	ND_Genesis	2	42.5	98.8	21	82.8	2.3	1	11.6	4.84	45.3	101	88.2	222	177	55
Crookston, MN	3185	TM15.093-20	2	46.2	97.8	21	77.5	2.0	1	13.9	4.62	34.0	88	57.2	599	153	26
Crookston, MN	3186	Pinnacle	2	42.8	98.0	20	81.3	2.0	1	12.9	4.90	40.1	111	105.7	433	180	55
Crookston, MN	3187	TM15.029-07	2	44.9	99.2	23	81.8	2.2	1	12.4	5.18	43.2	111	91.4	245	215	60
Crookston, MN	3188	TM14.013-23	2	43.3	97.3	25	82.3	2.4	1	12.5	5.37	44.0	110	94.7	204	243	60
Crookston, MN	3189	TM14.013-52	2	42.9	97.3	16	82.2	2.6	1	12.1	5.19	44.3	98	87.2	268	238	56
Crookston, MN	3190	TM14.013-07	2	48.3	99.0	24	82.7	3.3	2	12.0	5.31	45.5	75	79.7	324	231	55
Crookston, MN	3191	TM15.029-39	2	45.5	97.6	22	80.3	2.7	1	12.9	5.28	43.4	119	101.9	239	232	57
St. Paul, MN	3192	TM15.002-12	2	44.7	96.2	50	82.9	3.5	2	13.6	5.94	44.5	86	70.2	350	246	41
St. Paul, MN	3193	TM15.093-20	2	42.8	93.2	48	77.2	n.d.	3	15.9	6.16	39.5	73	51.9	572	243	22

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	3194	TM15.069-05	2	41.8	98.0	53	81.4	n.d.	3	14.1	6.27	46.1	91	56.1	398	257	36
St. Paul, MN	3195	ND_Genesis	2	42.6	98.6	51	81.2	n.d.	3	12.7	5.24	41.5	105	64.9	343	198	58
St. Paul, MN	3196	TM15.093-11	2	43.7	97.5	48	80.2	n.d.	3	14.3	6.30	45.1	68	57.2	205	236	34
St. Paul, MN	3197	Pinnacle	2	39.9	94.1	39	82.4	n.d.	3	12.6	5.88	48.6	75	60.5	317	234	42
St. Paul, MN	3198	2MS14_4009-007	2	41.5	92.4	42	80.0	n.d.	3	14.8	5.92	41.0	128	66.3	441	250	43
St. Paul, MN	3199	TM15.002-10	2	40.8	96.8	48	79.7	n.d.	3	14.5	5.67	40.4	130	59.8	520	212	43
	3200	CONRAD MALT CHECK	2	40.6	97.4	54	81.8	2.0	1	12.3	5.16	44.0	137	88.3	317	231	62
St. Paul, MN	3201	TM14.013-07	2	45.8	98.4	51	80.2	n.d.	3	13.3	5.30	42.6	61	41.6	462	188	41
St. Paul, MN	3202	TM15.020-12	2	44.4	95.9	46	80.1	2.5	2	14.2	5.38	38.3	132	59.0	460	216	44
St. Paul, MN	3203	TM15.028-27	2	38.2	91.3	36	79.9	4.4	2	15.0	6.66	47.4	129	58.4	93	273	41
St. Paul, MN	3204	TM14.013-42	2	46.7	97.3	35	81.5	n.d.	3	13.7	5.87	44.9	107	73.2	361	246	44
St. Paul, MN	3205	TM15.029-04	2	45.3	97.3	50	80.1	4.0	1	14.4	6.78	47.4	118	71.4	116	297	38
St. Paul, MN	3206	TM15.028-16	2	39.6	92.1	44	79.7	n.d.	3	15.6	6.00	38.9	139	62.9	456	204	36
St. Paul, MN	3207	TM14.013-23	2	45.6	98.5	42	80.9	3.7	2	13.6	5.53	42.6	67	42.6	539	189	37
St. Paul, MN	3208	TM15.016-12	2	41.6	96.8	38	81.2	3.1	1	13.8	5.76	44.4	75	55.2	362	211	41
St. Paul, MN	3209	TM15.036-10	2	47.6	99.0	44	80.1	n.d.	3	14.2	5.12	36.7	87	51.0	592	180	31
St. Paul, MN	3210	TM14.013-61	2	42.6	93.9	39	82.4	3.5	2	13.3	5.87	46.0	73	70.0	299	270	46
St. Paul, MN	3211	TM15.011-09	2	46.0	98.4	41	82.2	3.6	2	12.8	5.77	45.2	94	66.4	191	222	51
St. Paul, MN	3212	TM15.020-02	2	44.2	97.6	39	81.4	2.6	2	13.7	5.56	43.3	139	76.3	356	223	52
St. Paul, MN	3213	TM14.037-07	2	41.1	93.7	36	81.1	n.d.	3	13.8	5.66	42.2	134	73.4	345	212	46
St. Paul, MN	3214	TM15.036-23	2	42.0	97.5	34	80.4	2.3	1	13.4	5.40	42.4	106	65.8	251	216	52
St. Paul, MN	3215	2MS14_4012-009	2	40.4	96.7	44	79.2	1.4	1	14.6	4.84	33.9	168	56.9	333	161	36
St. Paul, MN	3216	2MS14_4012-011	2	40.6	96.9	41	80.9	4.2	2	14.2	6.23	46.1	106	65.3	367	275	38
St. Paul, MN	3217	2MS14_4005-010	2	41.3	93.7	29	79.4	n.d.	3	15.1	6.43	42.8	136	52.4	230	241	40
St. Paul, MN	3218	TM15.093-09	2	46.1	97.9	37	76.8	2.6	2	15.1	5.80	38.7	114	66.3	338	222	30
St. Paul, MN	3219	TM15.078-36	2	44.6	96.9	43	80.2	3.6	1	15.4	6.97	45.8	131	79.3	198	291	43
St. Paul, MN	3220	TM14.013-41	2	45.6	98.4	44	79.7	n.d.	3	13.3	5.17	39.3	57	35.2	637	158	29
St. Paul, MN	3221	2MS14_3323-012	2	38.0	90.8	37	79.4	n.d.	3	14.7	5.83	40.5	111	48.2	504	230	35
St. Paul, MN	3222	TM15.002-07	2	39.2	94.8	48	80.2	n.d.	3	13.3	5.63	44.0	65	44.4	593	208	36
St. Paul, MN	3223	TM14.026-18	2	46.4	98.4	47	80.9	2.0	1	15.9	5.93	39.1	162	66.4	494	280	41
St. Paul, MN	3224	TM15.002-22	2	43.0	95.9	43	79.2	2.3	1	14.2	5.15	37.8	126	67.4	305	175	37
St. Paul, MN	3225	TM14.004-16	2	37.8	96.6	55	79.9	n.d.	3	13.9	5.96	44.3	106	60.8	525	227	36
St. Paul, MN	3226	Pinnacle	2	42.0	97.2	29	82.8	n.d.	3	12.4	5.37	45.5	92	57.9	335	199	54
St. Paul, MN	3227	TM15.029-39	2	40.9	94.4	45	80.4	n.d.	3	14.2	6.29	46.0	122	69.7	387	270	40
St. Paul, MN	3228	TM14.013-17	2	42.2	96.9	43	81.5	n.d.	3	13.1	5.96	47.7	85	57.8	321	243	40
St. Paul, MN	3229	TM14.004-25	2	43.3	97.8	35	79.4	n.d.	3	13.6	5.02	39.1	98	58.1	353	180	34
St. Paul, MN	3230	TM15.022-25	2	42.8	97.7	34	79.8	1.8	1	14.4	5.41	39.0	106	61.2	427	211	42
	3231	CONRAD MALT CHECK	2	40.0	97.5	53	82.1	2.4	1	12.3	5.42	44.8	124	89.1	195	238	60
St. Paul, MN	3232	TM15.041-10	2	37.5	95.3	35	81.0	2.0	1	14.7	5.43	39.2	122	82.6	446	204	43
St. Paul, MN	3233	2MS14_4005-006	2	39.7	93.3	43	79.1	n.d.	3	16.0	6.42	42.7	90	49.2	221	238	25
St. Paul, MN	3234	ND_Genesis	2	40.7	95.9	46	81.4	n.d.	3	13.5	5.79	45.5	111	70.2	391	240	43
St. Paul, MN	3235	TM15.029-17	2	41.5	96.9	49	80.0	2.2	2	14.7	5.84	41.5	127	67.1	150	229	47
St. Paul, MN	3236	TM15.036-17	2	40.8	98.0	26	83.1	n.d.	3	12.7	6.08	50.0	65	68.0	172	245	41
St. Paul, MN	3237	TM14.013-10	2	40.5	94.6	37	81.7	n.d.	3	12.7	5.73	46.4	94	66.7	152	232	49
St. Paul, MN	3238	TM15.071-07	2	41.5	93.3	40	79.6	1.8	1	14.8	5.48	39.0	113	66.1	297	205	41
St. Paul, MN	3239	TM15.020-09	2	39.1	93.0	43	79.7	2.1	2	16.1	5.94	38.3	120	81.8	345	237	37
St. Paul, MN	3240	TM15.039-10	2	39.7	93.9	36	78.8	n.d.	3	16.0	5.68	36.8	85	65.8	531	194	26
St. Paul, MN	3241	TM15.020-03	2	43.2	93.9	37	79.6	2.2	2	14.7	5.63	39.0	120	70.8	371	210	40
St. Paul, MN	3242	TM14.013-52	2	44.4	98.1	41	80.8	n.d.	3	13.7	5.78	43.8	59	47.7	235	204	34
St. Paul, MN	3243	TM15.016-05	2	46.0	98.2	29	80.9	2.5	2	13.5	5.72	45.3	76	59.6	268	214	38
St. Paul, MN	3244	2MS14_4005-007	2	42.5	96.7	57	79.2	n.d.	3	15.8	6.61	42.5	116	43.8	215	286	32
St. Paul, MN	3245	Pinnacle	2	43.5	97.9	26	82.4	n.d.	3	12.1	5.45	46.4	78	66.2	253	199	54
St. Paul, MN	3246	TM14.006-01	2	42.0	96.6	39	80.8	2.8	2	13.2	5.73	45.6	118	79.5	292	210	46
St. Paul, MN	3247	TM14.013-62	2	43.8	98.0	33	82.2	n.d.	3	12.9	5.67	44.7	99	71.8	258	233	50
St. Paul, MN	3248	TM15.002-19	2	41.3	93.5	34	80.6	n.d.	3	12.0	4.77	39.8	114	58.6	267	161	44

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	3249	TM14.013-27	2	44.7	98.8	45	82.7	n.d.	3	12.8	5.45	45.5	80	56.5	150	209	54
St. Paul, MN	3250	TM15.029-07	2	44.8	97.8	40	81.3	3.1	2	13.6	6.20	48.7	110	71.9	107	260	40
St. Paul, MN	3251	TM15.093-14	2	46.5	97.2	33	79.1	2.5	2	14.5	5.48	37.9	123	49.1	207	174	33
St. Paul, MN	3252	TM14.030-07	2	43.4	99.0	34	82.4	2.5	2	12.6	5.34	44.2	100	75.0	189	198	55
St. Paul, MN	3253	TM15.029-40	2	40.8	92.8	38	80.5	n.d.	3	14.9	5.95	42.2	113	58.6	226	219	40
St. Paul, MN	3254	ND_Genesis	2	42.9	96.6	40	82.0	n.d.	3	12.4	5.44	45.5	122	73.9	262	214	61
St. Paul, MN	3255	TM15.029-31	2	41.7	90.9	38	81.0	3.7	1	14.5	6.08	45.0	132	70.8	94	249	49
Bozeman, MT	3256	1069 - Train	2	44.2	97.4	74	80.2	1.7	1	12.9	4.20	33.8	124	62.8	443	137	46
Bozeman, MT	3257	1070 - Train	2	48.2	98.2	76	79.9	1.5	1	12.5	4.53	36.4	117	69.3	418	139	47
Bozeman, MT	3258	1071 - Train	2	39.9	84.9	81	78.1	1.3	1	13.2	4.51	35.2	135	83.4	317	158	34
Bozeman, MT	3259	1072 - Train	2	39.3	94.2	68	79.8	1.6	2	14.5	4.29	30.2	154	67.0	569	154	32
Bozeman, MT	3260	1073 - Train	2	45.5	97.4	76	79.5	1.2	1	15.2	4.74	31.3	168	81.9	189	171	40
Bozeman, MT	3261	1074 - Train	2	45.4	98.1	78	80.7	2.1	2	13.1	4.49	35.2	159	72.0	334	149	44
	3262	CONRAD MALT CHECK	2	39.9	97.1	53	82.2	2.9	1	12.7	5.47	46.5	130	88.4	128	226	63
Bozeman, MT	3263	1075 - Train	2	43.3	94.4	94	81.0	1.5	1	11.9	4.56	39.6	115	77.5	279	163	50
Bozeman, MT	3264	1076 - Train	2	49.8	98.4	72	79.7	1.8	1	13.9	4.63	34.9	137	86.8	428	165	40
Bozeman, MT	3265	1077 - Train	2	42.4	95.1	69	79.6	2.2	1	15.9	5.86	37.8	221	119.3	192	225	41
Bozeman, MT	3266	1078 - Train	2	45.3	97.3	73	78.8	1.5	1	13.6	4.31	32.7	154	70.9	501	147	33
Bozeman, MT	3267	1079 - Train	2	44.7	97.7	76	82.5	1.6	1	12.9	4.52	37.6	109	85.3	109	162	53
Bozeman, MT	3268	1080 - Train	2	46.2	97.9	60	79.3	1.4	1	14.3	4.73	33.8	168	67.5	233	152	37
Bozeman, MT	3269	1081 - Train	2	42.6	95.1	86	80.8	1.8	1	13.1	4.71	37.4	66	90.9	320	159	38
Bozeman, MT	3270	1082 - Train	2	39.2	92.3	95	80.3	1.6	1	13.1	4.62	37.3	155	97.2	322	164	42
Bozeman, MT	3271	1083 - Train	2	39.2	90.8	85	79.0	1.4	1	14.5	4.65	32.9	193	97.7	364	154	34
Bozeman, MT	3272	1084 - Train	2	41.2	92.7	78	78.5	1.3	1	13.2	4.30	33.6	132	59.2	568	145	37
Bozeman, MT	3273	1085 - Train	2	37.9	86.4	73	81.7	1.5	1	13.8	4.69	36.3	152	110.9	276	168	36
Bozeman, MT	3274	1086 - Train	2	42.0	95.2	80	80.1	1.4	1	12.3	4.54	38.1	132	97.2	251	161	50
Bozeman, MT	3275	1087 - Train	2	43.8	96.9	83	78.7	1.9	2	12.9	4.22	34.1	150	59.9	368	127	42
Bozeman, MT	3276	1088 - Train	2	40.6	96.9	80	79.3	1.4	1	13.7	4.61	34.0	170	77.4	342	152	36
Bozeman, MT	3277	1089 - Train	2	37.8	90.0	94	77.2	1.4	1	14.8	4.50	32.0	120	72.5	374	154	25
Bozeman, MT	3278	1090 - Train	2	42.3	93.3	81	82.0	2.0	2	14.4	4.82	34.4	138	85.9	183	176	42
Bozeman, MT	3279	1091 - Train	2	46.6	97.1	83	80.8	1.9	1	14.2	4.85	35.9	128	85.6	298	175	40
Bozeman, MT	3280	1092 - Train	2	36.9	86.7	97	77.2	1.3	1	14.1	4.34	31.4	91	67.7	339	135	15
Bozeman, MT	3281	1093 - Train	2	42.3	95.7	84	79.2	1.2	1	14.7	4.18	30.1	137	49.4	348	136	30
Bozeman, MT	3282	1094 - Train	2	40.7	92.9	84	79.3	1.6	1	14.5	4.46	31.7	161	83.7	486	144	36
Bozeman, MT	3283	1095 - Train	2	42.0	94.5	78	78.5	1.5	1	13.8	4.55	33.0	179	80.3	357	153	36
Bozeman, MT	3284	1096 - Train	2	39.3	95.7	70	78.5	1.8	1	14.7	4.26	29.6	168	69.9	386	129	30
Bozeman, MT	3285	1097 - Train	2	43.5	95.4	78	80.0	1.9	1	13.9	5.22	39.0	194	100.4	162	198	45
Bozeman, MT	3286	1098 - Train	2	42.6	97.5	77	80.7	1.7	1	12.6	4.45	36.5	139	66.3	229	138	50
Bozeman, MT	3287	1099 - Train	2	44.1	98.0	76	81.0	1.9	1	13.9	5.36	40.9	175	97.1	127	207	56
Bozeman, MT	3288	1100 - Train	2	37.6	85.6	89	77.4	1.3	1	13.1	4.21	32.3	83	54.9	670	152	20
Bozeman, MT	3289	1101 - Train	2	35.1	82.0	84	77.4	1.3	1	15.7	4.85	32.0	198	97.4	367	186	26
Bozeman, MT	3290	1102 - Train	2	34.6	83.1	95	77.9	1.9	2	14.0	4.49	33.8	122	75.7	426	158	22
Bozeman, MT	3291	1103 - Train	2	46.7	97.0	84	81.4	1.7	1	12.8	5.00	40.3	117	91.1	166	196	60
Bozeman, MT	3292	1104 - Train	2	45.5	97.1	83	79.9	n.d.	3	13.5	4.57	34.2	160	64.5	465	153	38
	3293	CONRAD MALT CHECK	2	40.1	97.5	53	81.8	2.3	1	12.5	5.25	44.1	126	89.9	163	211	62
Bozeman, MT	3294	1105 - Train	2	40.7	94.2	76	77.9	1.2	1	12.7	3.76	30.4	109	62.3	597	114	32
Bozeman, MT	3295	1106 - Train	2	45.6	98.0	74	81.1	1.7	1	11.8	4.57	39.9	125	95.0	314	161	53
Bozeman, MT	3296	1107 - Train	2	44.1	98.8	64	80.0	1.7	1	12.3	4.40	36.7	167	102.0	272	137	50
Bozeman, MT	3297	1108 - Train	2	43.3	96.1	64	77.7	1.9	1	16.0	5.39	33.9	193	89.1	47	202	45
Bozeman, MT	3298	1109 - Train	2	46.1	94.7	77	78.9	1.5	1	13.3	4.77	36.8	156	94.7	168	182	45
Bozeman, MT	3299	1110 - Train	2	44.7	96.5	81	82.2	1.5	1	11.7	4.75	40.6	119	98.1	262	192	60
Bozeman, MT	3300	1111 - Train	2	41.2	94.5	86	80.7	1.6	1	12.6	5.08	41.7	176	119.4	36	202	66
Bozeman, MT	3301	1112 - Train	2	42.1	96.4	76	78.7	1.7	2	13.3	4.21	32.8	161	68.5	490	134	37
Bozeman, MT	3302	1113 - Train	2	48.1	99.5	70	81.9	3.0	1	13.8	5.81	42.9	140	88.4	243	257	49
Bozeman, MT	3303	1114 - Train	2	38.2	91.6	69	78.8	1.7	2	14.8	4.54	31.3	182	83.8	565	165	33

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	3304	1115 - Train	2	41.0	96.4	78	79.8	1.7	1	12.9	4.73	38.6	123	81.5	371	176	49
Bozeman, MT	3305	1116 - Train	2	37.5	95.1	87	81.1	1.9	1	14.2	5.43	39.0	165	113.8	97	214	50
Bozeman, MT	3306	1117 - Train	2	40.2	90.7	86	78.9	1.5	1	13.4	4.33	32.8	131	65.4	316	139	37
Bozeman, MT	3307	1118 - Train	2	40.9	95.7	80	81.3	1.6	1	12.9	5.11	40.4	174	113.3	37	185	67
Bozeman, MT	3308	1119 - Train	2	37.9	93.2	83	80.7	1.5	1	14.6	5.17	35.6	197	83.6	167	202	40
Bozeman, MT	3309	1120 - Train	2	37.9	93.6	82	80.5	1.7	1	13.9	5.19	38.7	182	121.0	110	202	43
Bozeman, MT	3310	1121 - Train	2	39.3	94.2	82	78.6	1.9	2	13.0	3.87	30.0	129	41.3	547	110	33
Bozeman, MT	3311	1122 - Train	2	38.0	94.9	86	83.6	2.0	2	12.4	4.97	42.5	151	90.2	86	194	64
Bozeman, MT	3312	1123 - Train	2	41.3	97.3	72	78.7	1.5	1	13.0	3.87	30.3	130	49.7	612	115	36
Bozeman, MT	3313	1124 - Train	2	38.9	96.7	71	80.0	1.7	2	14.0	4.22	31.7	146	66.4	611	132	32
Bozeman, MT	3314	1125 - Train	2	39.0	92.9	79	77.7	2.1	2	13.9	3.82	27.5	107	46.3	655	99	16
Bozeman, MT	3315	1126 - Train	2	44.0	98.0	70	82.0	1.7	1	13.1	4.64	37.4	131	83.1	264	160	48
Bozeman, MT	3316	1127 - Train	2	43.1	95.6	83	80.3	1.7	1	12.2	4.53	37.6	118	86.3	335	176	47
Bozeman, MT	3317	1128 - Train	2	44.3	96.9	80	79.6	1.8	2	12.6	4.31	34.7	113	60.8	466	148	42
Bozeman, MT	3318	1129 - Train	2	35.8	94.4	79	80.8	1.3	1	13.4	4.61	36.3	190	108.8	204	165	40
Bozeman, MT	3319	1130 - Train	2	40.7	96.1	82	79.9	1.3	1	12.6	4.29	34.8	104	83.7	519	156	42
Bozeman, MT	3320	1131 - Train	2	42.1	98.4	79	81.5	1.9	2	12.3	4.18	36.8	154	87.2	566	146	48
Bozeman, MT	3321	1132 - Train	2	41.5	96.5	80	80.1	1.6	1	11.6	3.91	34.0	114	46.1	497	113	36
Bozeman, MT	3322	1133 - Train	2	42.8	97.6	79	78.6	1.3	1	12.8	4.31	35.6	152	92.3	331	153	43
Bozeman, MT	3323	1134 - Train	2	45.4	97.2	86	81.9	1.3	1	11.6	4.58	41.7	157	107.0	278	159	58
	3324	CONRAD MALT CHECK	2	40.1	97.9	53	82.4	2.2	1	12.2	5.40	47.0	145	103.2	192	218	62
Bozeman, MT	3325	1135 - Train	2	46.7	97.4	80	79.6	n.d.	3	12.6	4.54	37.5	141	75.1	368	162	48
Bozeman, MT	3326	1136 - Train	2	47.4	97.5	81	77.0	1.5	1	14.4	4.28	30.6	120	46.6	655	122	26
Bozeman, MT	3327	1137 - Train	2	40.4	97.4	80	80.7	1.7	1	12.2	4.38	37.1	142	75.2	191	144	45
Bozeman, MT	3328	1138 - Train	2	45.5	97.2	90	81.8	1.4	1	10.9	4.41	42.0	147	91.6	165	149	53
Bozeman, MT	3329	1139 - Train	2	45.2	97.2	76	82.4	2.2	1	10.3	4.50	44.6	100	89.2	425	162	46
Bozeman, MT	3330	1140 - Train	2	41.3	97.3	85	78.1	1.3	1	14.3	4.74	33.3	165	65.9	502	150	36
Bozeman, MT	3331	1141 - Train	2	39.6	97.1	83	80.3	1.6	1	13.8	4.92	37.0	197	111.8	90	180	44
Bozeman, MT	3332	1142 - Train	2	40.9	97.2	77	80.5	1.6	1	14.3	4.85	35.8	134	103.3	187	173	39
Bozeman, MT	3333	1143 - Train	2	43.1	98.8	80	80.0	1.5	1	13.2	4.79	37.4	180	79.6	116	161	48
Bozeman, MT	3334	1144 - Train	2	40.6	93.1	88	80.1	1.5	1	12.1	4.62	40.0	171	89.5	121	170	57
Bozeman, MT	3335	1145 - Train	2	42.6	96.3	77	79.2	1.6	1	14.3	4.79	36.0	141	78.7	499	176	37
Bozeman, MT	3336	1146 - Train	2	37.5	92.8	89	80.8	1.6	1	12.8	4.65	36.7	168	107.1	208	154	45
Bozeman, MT	3337	1147 - Train	2	41.6	97.5	72	79.7	1.7	1	14.5	4.89	34.6	180	112.6	300	171	39
Bozeman, MT	3338	1148 - Train	2	43.5	96.9	78	80.0	n.d.	3	11.6	3.90	34.4	142	51.0	311	115	41
Bozeman, MT	3339	1149 - Train	2	47.6	98.4	76	80.2	2.0	2	11.9	4.23	35.8	147	71.3	382	125	45
Bozeman, MT	3340	1150 - Train	2	40.5	95.4	88	81.7	2.5	1	12.7	5.15	43.6	132	96.1	182	201	62
Bozeman, MT	3341	1151 - Train	2	41.8	96.6	85	77.2	2.5	1	15.7	5.47	36.1	144	77.2	583	208	37
Bozeman, MT	3342	1152 - Train	2	41.5	97.7	80	79.2	n.d.	3	13.1	4.04	31.9	135	61.1	453	114	35
Bozeman, MT	3343	1153 - Train	2	43.3	99.2	59	78.2	1.9	2	13.7	4.13	30.4	186	53.2	310	115	32
Bozeman, MT	3344	1154 - Train	2	41.2	99.0	70	78.7	1.4	1	13.5	4.46	33.9	177	92.0	292	137	36
Bozeman, MT	3345	1155 - Train	2	43.8	98.9	80	81.6	1.5	1	13.2	4.08	31.3	135	60.7	251	120	44
Bozeman, MT	3346	1156 - Train	2	37.4	96.3	84	78.4	1.2	1	13.1	4.00	31.3	157	61.6	354	98	30
Bozeman, MT	3347	1157 - Train	2	44.7	96.1	66	79.5	1.9	1	13.9	4.69	34.8	156	91.8	275	160	40
Bozeman, MT	3348	1158 - Train	2	46.3	97.4	73	82.2	1.7	1	11.4	4.39	40.2	102	94.9	268	140	51
Bozeman, MT	3349	1159 - Train	2	42.6	97.3	74	80.7	1.9	1	13.0	4.90	39.3	179	104.0	209	167	45
Bozeman, MT	3350	1160 - Train	2	47.7	98.1	70	80.2	1.9	1	12.3	4.51	37.3	100	115.0	423	176	47
Bozeman, MT	3351	1161 - Train	2	41.0	97.1	79	78.0	1.3	1	13.2	3.84	29.3	175	47.0	496	95	27
Bozeman, MT	3352	1162 - Train	2	39.9	95.2	77	79.9	1.9	1	13.8	4.46	34.3	161	99.4	458	147	37
Bozeman, MT	3353	1163 - Train	2	43.1	97.9	76	79.6	2.1	1	10.6	4.35	42.5	131	62.7	345	130	46
Bozeman, MT	3354	1164 - Train	2	47.5	97.0	74	81.7	2.9	1	13.0	5.46	43.1	118	83.9	209	219	60
	3355	CONRAD MALT CHECK	2	40.1	97.0	54	82.4	1.8	1	12.2	5.22	43.2	157	99.3	183	205	62
Minot, ND	3356	ROBUST	6	37.2	97.5	37	79.5	1.7	1	12.9	5.02	40.4	191	72.2	147	193	55
Minot, ND	3357	LACEY	6	38.3	98.2	39	80.5	1.7	1	12.0	5.07	43.1	186	84.3	37	189	61
Minot, ND	3358	TRADITION	6	37.4	98.1	46	80.6	1.6	1	11.8	4.75	42.5	202	79.8	65	174	58

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Minot, ND	3359	STELLAR-ND	6	37.5	97.8	46	81.4	1.7	1	11.5	4.83	45.0	185	83.7	38	195	64
Minot, ND	3360	CELEBRATION	6	34.3	97.3	47	80.7	1.7	1	12.8	5.24	41.9	227	97.8	84	205	65
Minot, ND	3361	QUEST	6	36.8	96.5	37	80.1	1.8	1	12.2	5.13	45.1	172	89.7	170	200	60
Minot, ND	3362	INNOVATION	6	38.8	99.0	37	80.8	2.0	1	13.2	5.38	43.4	189	86.9	120	213	66
Minot, ND	3363	ND29196	6	35.6	97.3	40	80.2	1.9	1	12.4	5.19	44.9	186	93.2	112	200	64
Minot, ND	3364	ND31040	6	38.1	98.4	47	80.1	1.8	1	11.6	4.94	45.5	143	82.5	50	185	61
Minot, ND	3365	ND31091	6	37.7	99.1	38	81.2	1.7	1	11.4	4.94	46.2	175	80.0	23	168	56
Minot, ND	3366	ND31721	6	36.9	97.4	34	79.5	1.9	1	12.7	5.13	42.7	189	90.9	55	185	61
Minot, ND	3367	ND32889	6	38.5	97.4	40	80.9	1.8	1	12.5	5.39	45.9	198	90.4	85	220	70
Minot, ND	3368	ND32898	6	37.9	96.1	43	80.5	1.8	1	11.9	4.92	44.8	203	84.0	35	198	64
Minot, ND	3369	ND32920	6	37.3	98.2	37	80.6	1.9	1	11.8	5.06	44.7	173	83.6	54	191	64
Minot, ND	3370	ND33325	6	38.6	98.2	40	79.6	n.d.	3	11.7	4.50	41.9	151	70.1	101	148	51
Minot, ND	3371	ND33413	6	38.1	98.7	39	80.8	1.8	1	13.0	5.18	41.7	193	87.3	158	199	55
Minot, ND	3372	CONLON	2	46.3	99.1	31	80.9	1.7	1	13.4	5.00	38.3	157	89.5	245	170	45
Minot, ND	3373	PINNACLE	2	47.3	98.0	30	83.2	1.7	1	10.8	4.50	45.1	121	71.5	167	148	53
Minot, ND	3374	ND GENESIS	2	44.2	98.2	28	81.7	1.9	1	11.8	4.92	45.3	133	96.2	72	172	65
Minot, ND	3375	AC METCALFE	2	44.5	98.2	36	81.9	2.3	1	13.2	5.70	45.1	137	108.0	36	219	61
Minot, ND	3376	CDC COPELAND	2	45.3	98.2	41	81.8	2.2	1	12.1	5.34	44.7	120	92.7	41	197	70
Minot, ND	3377	CDC MEREDITH	2	45.2	97.2	37	82.8	2.9	1	11.5	5.74	54.7	117	105.9	44	223	58
Minot, ND	3378	CONRAD	2	41.9	98.0	40	81.0	2.4	1	13.0	5.10	41.1	138	99.8	134	197	65
Minot, ND	3379	HOCKETT	2	47.1	97.7	35	82.4	2.1	1	12.3	5.44	48.2	153	116.3	201	210	58
Minot, ND	3380	AAC SYNERGY	2	46.4	99.0	35	83.1	2.4	1	11.6	5.72	49.5	137	120.3	21	229	61
Minot, ND	3381	SY SIRISH	2	43.9	98.9	33	82.3	1.8	1	10.9	4.34	41.8	137	71.2	41	143	56
Minot, ND	3382	2ND28065	2	42.7	96.8	35	82.3	1.6	1	12.0	4.76	40.9	119	71.9	245	167	55
Minot, ND	3383	2ND30837	2	45.2	97.9	27	82.7	3.6	1	11.4	5.06	45.2	130	92.5	50	207	70
Minot, ND	3384	2ND31914	2	48.5	98.6	29	81.7	4.1	1	11.3	5.01	47.5	170	94.3	39	183	63
Minot, ND	3385	2ND32184	2	47.1	98.9	26	81.5	4.0	1	11.6	4.77	42.4	116	100.2	26	165	62
	3386	CONRAD MALT CHECK	2	40.8	97.7	53	82.4	4.4	1	12.8	5.17	43.4	133	90.0	274	196	62
Minot, ND	3387	2ND32322	2	46.4	98.6	38	83.6	4.4	1	11.0	5.16	49.9	115	111.4	34	197	57
Minot, ND	3388	2ND32529	2	45.8	98.6	40	84.5	4.4	1	9.8	4.83	50.5	122	97.5	22	178	55
Minot, ND	3389	2ND32657	2	48.6	99.2	41	84.4	2.3	1	10.9	5.06	48.3	118	101.5	28	216	57
Minot, ND	3390	2ND32658	2	46.3	98.7	33	82.6	2.2	1	11.0	4.97	46.1	132	99.4	38	228	65
Minot, ND	3391	2ND32829	2	48.6	98.1	31	84.0	2.0	1	10.5	5.07	51.6	116	103.9	26	233	57
Minot, ND	3392	ABI BALSTER	2	41.8	97.7	40	83.5	2.2	1	11.3	5.13	49.5	127	114.5	160	228	57
Minot, ND	3393	ABI GROWLER	2	43.9	97.6	42	81.6	2.4	1	12.0	5.35	45.9	157	121.2	46	243	70
Minot, ND	3394	LCS GENIE	2	43.9	98.4	29	83.1	1.9	1	10.8	4.34	44.3	150	73.2	24	158	56
Minot, ND	3395	LCS ODYSSEY	2	46.0	99.2	22	83.4	1.8	1	10.3	4.42	44.6	116	77.1	24	168	57
Minot, ND	3396	EXPLORER	2	48.2	98.6	23	81.4	1.9	1	10.6	4.53	46.0	127	109.4	23	178	60
Minot, ND	3397	PIONEER	2	48.7	98.4	22	81.9	1.9	1	10.8	4.49	45.3	120	108.7	16	180	57
Williston, ND	3398	ROBUST	6	33.6	90.5	29	80.0	1.8	1	12.7	5.29	42.5	195	81.9	83	227	70
Williston, ND	3399	LACEY	6	33.8	90.5	35	79.9	1.9	1	13.1	5.27	41.7	200	88.8	65	211	65
Williston, ND	3400	TRADITION	6	34.2	94.9	34	78.5	1.6	1	14.3	4.99	35.4	265	88.5	115	192	46
Williston, ND	3401	STELLAR-ND	6	32.9	90.5	35	79.7	1.9	1	13.6	5.18	39.8	247	93.5	57	211	56
Williston, ND	3402	QUEST	6	33.6	93.3	32	79.6	1.9	1	13.6	5.37	40.6	209	100.4	165	236	56
Williston, ND	3403	ND35040	6	35.7	96.0	34	80.1	1.9	1	12.5	5.01	41.3	230	85.4	79	213	61
Williston, ND	3404	ND35044	6	34.6	96.0	34	80.2	1.6	1	12.4	4.94	41.0	218	88.8	52	197	59
Williston, ND	3405	ND35051	6	33.8	95.1	28	79.3	1.9	1	13.6	5.10	38.8	210	98.0	80	210	56
Williston, ND	3406	ND35150	6	33.7	95.7	30	79.4	1.8	1	13.5	5.17	39.8	258	89.7	53	216	61
Williston, ND	3407	ND35166	6	33.2	93.2	33	79.2	1.7	1	13.3	4.88	37.6	219	85.3	52	205	61
Williston, ND	3408	ND35171	6	34.7	96.4	28	79.0	1.8	1	14.0	5.27	38.8	244	99.5	45	241	55
Williston, ND	3409	ND35174	6	34.2	95.7	29	78.9	1.9	1	14.3	5.52	39.0	268	100.8	57	240	52
Williston, ND	3410	ND35177	6	35.2	97.7	24	79.7	2.0	1	12.3	4.97	42.9	189	86.1	50	218	66
Williston, ND	3411	ND35178	6	34.5	97.0	27	79.9	2.3	2	12.8	4.83	40.4	184	81.5	41	198	58
Williston, ND	3412	ND35181	6	33.1	96.2	32	78.8	1.7	1	14.0	4.93	36.5	247	75.5	29	195	51
Williston, ND	3413	ND35182	6	34.6	97.4	29	79.6	2.0	2	13.6	5.09	39.9	244	82.4	44	211	55

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Williston, ND	3414	ND35199	6	33.1	96.6	29	79.9	1.9	1	12.7	5.07	42.1	214	91.5	46	197	64
Williston, ND	3415	ND35204	6	33.6	95.8	35	80.5	1.9	1	13.1	5.38	44.0	230	95.4	37	239	70
Williston, ND	3416	ND35207	6	31.9	86.0	33	78.8	2.3	1	13.3	5.23	41.5	235	99.3	34	225	61
	3417	LACEY MALT CHECK	6	33.2	90.1	37	79.8	3.5	2	13.2	5.90	47.4	168	83.1	33	273	60
Williston, ND	3418	ND35210	6	34.6	95.6	33	81.0	2.2	1	11.9	5.30	47.7	206	97.4	35	235	65
Williston, ND	3419	ND35212	6	32.7	91.0	37	79.8	2.2	1	12.8	5.28	43.8	195	97.2	60	241	70
Williston, ND	3420	ND35233	6	33.6	97.5	29	79.1	2.0	1	14.4	5.60	40.9	231	97.2	54	243	55
Williston, ND	3421	ND35235	6	33.5	98.0	26	78.8	1.9	1	14.1	5.13	38.4	213	92.1	69	208	48
Williston, ND	3422	ND35236	6	33.4	96.4	26	79.4	2.0	1	14.0	5.26	39.7	250	94.3	24	231	55
Williston, ND	3423	ND35237	6	33.5	97.7	26	79.2	2.2	1	13.7	5.51	43.5	240	92.9	28	245	65
Williston, ND	3424	ND35267	6	34.3	98.2	30	78.6	1.9	1	14.2	5.33	39.3	221	92.7	54	203	52
Williston, ND	3425	ND35311	6	35.9	98.9	35	80.2	2.2	1	12.4	5.37	45.3	164	93.1	88	217	70
Bozeman, MT	3426	1165 - Train	2	38.0	91.3	52	79.6	1.3	1	12.9	4.55	38.1	168	72.3	265	164	45
Bozeman, MT	3427	1166 - Train	2	37.2	90.1	87	79.7	1.5	1	13.9	4.80	36.2	175	79.7	195	169	35
Bozeman, MT	3428	1167 - Train	2	41.5	95.7	84	76.4	1.8	2	13.3	4.15	31.6	147	53.9	333	112	32
Bozeman, MT	3429	1168 - Train	2	44.8	98.5	65	78.1	1.7	1	14.4	5.13	36.7	170	90.9	276	190	40
Bozeman, MT	3430	1169 - Train	2	44.2	97.9	78	78.3	1.3	1	11.1	3.94	35.5	119	62.5	273	114	37
Bozeman, MT	3431	1170 - Train	2	41.2	95.5	83	79.0	2.1	2	12.1	4.12	36.9	105	56.7	447	126	38
Bozeman, MT	3432	1171 - Train	2	48.3	98.5	80	79.9	1.5	1	13.0	4.80	38.3	159	68.4	453	163	50
Bozeman, MT	3433	1172 - Train	2	44.2	97.0	73	79.3	1.5	1	13.7	4.46	34.3	136	61.2	365	144	37
Bozeman, MT	3434	1173 - Train	2	44.9	98.4	64	79.6	2.0	1	12.5	5.14	42.3	129	87.4	184	197	60
Bozeman, MT	3435	1174 - Train	2	45.7	99.0	66	80.9	1.9	1	11.0	4.57	45.2	112	67.1	331	165	47
Bozeman, MT	3436	1175 - Train	2	43.0	97.6	77	79.8	1.8	1	12.4	4.91	42.7	141	91.0	320	180	58
Bozeman, MT	3437	1176 - Train	2	39.4	95.9	78	80.6	1.4	1	11.8	4.30	39.2	143	59.0	313	126	43
Bozeman, MT	3438	1177 - Train	2	45.3	98.2	69	79.6	1.9	2	12.9	4.51	37.5	179	74.0	353	143	49
Bozeman, MT	3439	1178 - Train	2	48.4	99.6	82	82.1	2.2	2	12.8	4.99	42.1	180	69.9	284	192	62
Bozeman, MT	3440	1179 - Train	2	41.4	97.5	85	81.5	1.7	1	12.1	4.81	41.6	157	98.3	42	177	64
Bozeman, MT	3441	1180 - Train	2	47.2	98.9	72	82.3	2.2	1	10.7	4.99	48.2	98	88.1	265	205	46
Bozeman, MT	3442	1181 - Train	2	39.6	93.9	84	79.9	1.4	1	11.6	4.22	36.9	110	59.9	254	137	40
Bozeman, MT	3443	1182 - Train	2	44.0	96.2	78	78.0	1.6	1	14.1	4.88	34.8	207	90.9	270	160	37
Bozeman, MT	3444	1183 - Train	2	44.8	98.8	78	77.9	1.6	1	14.5	4.72	34.0	187	68.6	340	147	33
Bozeman, MT	3445	1184 - Train	2	45.6	97.9	71	80.8	2.2	2	11.6	4.31	37.5	154	64.3	392	147	45
Bozeman, MT	3446	1185 - Train	2	47.6	99.4	71	82.1	1.6	1	12.4	4.56	39.0	134	62.5	472	164	53
Bozeman, MT	3447	1186 - Train	2	39.3	94.2	87	81.6	1.7	1	11.8	4.82	42.2	158	85.5	130	180	58
	3448	CONRAD MALT CHECK	2	39.9	97.1	53	81.6	2.4	1	12.5	5.16	44.6	132	86.2	235	224	60
Bozeman, MT	3449	1187 - Train	2	41.5	97.3	83	81.5	1.7	1	13.2	4.98	38.1	175	106.9	53	176	54
Bozeman, MT	3450	1188 - Train	2	46.7	99.4	72	78.3	1.6	1	14.9	5.11	34.6	222	70.2	262	168	37
Bozeman, MT	3451	1189 - Train	2	42.5	97.2	75	81.2	1.6	1	13.2	5.08	41.2	171	97.9	38	187	63
Bozeman, MT	3452	1190 - Train	2	45.3	99.2	71	80.0	1.6	1	13.9	5.13	37.2	176	95.8	194	187	43
Bozeman, MT	3453	1191 - Train	2	42.3	97.7	87	80.4	1.4	1	11.8	4.12	36.8	138	42.8	280	118	43
Bozeman, MT	3454	1192 - Train	2	38.9	86.9	82	79.0	1.7	1	14.4	5.18	36.6	227	109.9	300	199	37
Bozeman, MT	3455	1193 - Train	2	41.5	95.1	77	80.1	1.6	1	12.8	4.65	37.0	196	84.1	368	149	49
Bozeman, MT	3456	1194 - Train	2	41.4	95.8	80	79.5	1.8	1	12.7	4.40	35.0	119	73.3	466	142	42
Bozeman, MT	3457	1195 - Train	2	46.7	97.7	84	80.7	2.1	1	12.8	4.70	38.3	123	89.2	386	162	50
Bozeman, MT	3458	1196 - Train	2	46.4	97.7	71	77.5	1.4	1	13.3	4.09	31.3	134	52.2	544	113	34
Bozeman, MT	3459	1197 - Train	2	41.4	96.8	78	80.7	1.7	1	13.4	5.00	39.8	161	93.4	335	178	44
Bozeman, MT	3460	1198 - Train	2	43.0	97.7	68	79.7	1.6	1	12.4	4.45	37.0	149	76.7	231	145	50
Bozeman, MT	3461	1199 - Train	2	39.2	93.5	81	81.3	1.5	1	14.1	5.22	38.2	177	90.2	150	203	48
Bozeman, MT	3462	1200 - Train	2	38.4	87.4	83	79.6	1.3	1	12.4	4.80	38.8	157	92.8	283	185	48
Bozeman, MT	3463	1201 - Train	2	43.8	95.5	81	80.3	1.9	2	11.7	4.02	36.9	112	58.0	538	134	42
Bozeman, MT	3464	1202 - Train	2	38.9	95.5	87	82.1	1.5	1	12.0	5.00	43.9	157	105.7	56	201	67
Bozeman, MT	3465	1203 - Train	2	46.9	98.8	68	81.0	1.8	1	12.6	4.80	39.7	151	88.7	417	175	50
Bozeman, MT	3466	1204 - Train	2	43.3	98.5	75	79.0	1.2	1	14.0	4.35	32.4	202	73.0	443	133	33
Bozeman, MT	3467	1205 - Train	2	47.5	98.8	66	79.4	n.d.	3	12.8	4.54	37.2	156	66.5	372	146	48
Bozeman, MT	3468	1206 - Train	2	42.9	98.2	77	78.9	1.8	2	12.7	4.43	35.7	215	69.4	300	148	46

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Bozeman, MT	3469	1207 - Train	2	42.9	99.0	76	81.1	1.8	1	13.7	5.31	40.9	188	107.3	48	216	60
Bozeman, MT	3470	1208 - Train	2	43.2	98.9	85	81.5	1.6	1	12.1	4.81	40.5	141	83.1	73	172	65
Bozeman, MT	3471	1209 - Train	2	44.4	99.3	72	82.5	1.7	1	13.2	4.90	38.3	146	73.3	183	187	51
Bozeman, MT	3472	1210 - Train	2	40.2	97.1	86	75.2	1.5	1	16.2	4.62	28.7	217	63.0	483	147	32
Bozeman, MT	3473	1211 - Train	2	41.0	97.1	83	77.4	1.5	1	15.3	4.85	32.4	204	80.4	298	173	32
Bozeman, MT	3474	1212 - Train	2	42.6	98.7	77	79.0	1.3	1	12.7	4.31	34.0	209	66.1	290	141	43
Bozeman, MT	3475	1213 - Train	2	37.7	84.2	98	76.6	1.4	1	14.2	4.74	33.5	174	74.0	309	172	23
Bozeman, MT	3476	1214 - Train	2	42.7	95.8	80	78.7	1.6	1	14.5	5.08	36.5	193	99.6	330	201	42
Bozeman, MT	3477	1215 - Train	2	45.1	99.1	83	81.0	2.1	1	13.6	5.69	43.4	124	80.6	392	239	46
Bozeman, MT	3478	1216 - Train	2	44.2	99.2	72	81.1	2.2	1	13.1	5.10	40.3	190	82.7	191	190	56
	3479	CONRAD MALT CHECK	2	40.5	97.4	55	82.4	2.0	1	12.3	5.47	46.8	143	91.9	170	229	62
Bozeman, MT	3480	1217 - Train	2	45.1	98.0	81	79.0	1.8	2	12.9	4.20	33.4	169	60.6	539	133	42
Bozeman, MT	3481	1218 - Train	2	38.5	97.2	72	80.3	n.d.	3	14.9	5.03	34.0	184	73.3	485	185	38
Bozeman, MT	3482	1219 - Train	2	44.5	98.5	80	80.7	n.d.	3	13.4	4.89	38.5	182	61.5	420	174	43
Bozeman, MT	3483	1220 - Train	2	41.5	92.8	72	77.5	1.2	1	14.0	4.04	31.0	165	54.6	501	112	28
Bozeman, MT	3484	1221 - Train	2	40.7	96.5	80	78.8	1.4	1	12.8	4.14	33.4	156	59.7	365	123	42
Bozeman, MT	3485	1222 - Train	2	44.8	97.3	78	77.4	1.2	1	14.3	4.32	30.2	207	47.7	293	121	26
Bozeman, MT	3486	1223 - Train	2	45.8	99.0	73	80.0	2.3	2	13.5	4.45	33.9	147	63.8	414	152	44
Bozeman, MT	3487	1224 - Train	2	40.3	95.9	76	78.2	1.6	2	14.0	4.08	29.7	163	67.0	466	122	31
Bozeman, MT	3488	1225 - Train	2	40.1	95.6	80	78.3	1.7	1	14.5	5.03	35.4	226	111.1	261	180	36
Bozeman, MT	3489	1226 - Train	2	42.6	97.6	87	79.1	1.8	1	13.0	4.20	33.8	148	64.9	459	130	38
Bozeman, MT	3490	1227 - Train	2	46.3	98.5	69	78.6	2.3	2	13.1	4.67	37.0	150	70.8	432	172	41
Bozeman, MT	3491	1228 - Train	2	41.5	95.4	79	79.7	1.8	1	14.8	5.21	35.7	210	84.6	170	198	44
Bozeman, MT	3492	1229 - Train	2	40.3	97.3	76	78.1	1.4	1	14.2	4.44	31.7	191	85.8	262	146	36
Bozeman, MT	3493	1230 - Train	2	44.1	96.9	84	77.7	1.5	1	14.3	4.56	32.3	179	70.9	481	148	33
Bozeman, MT	3494	1231 - Train	2	45.2	97.5	79	79.2	2.1	2	12.2	3.94	33.6	118	53.6	492	121	36
Bozeman, MT	3495	1232 - Train	2	41.8	97.6	82	81.1	1.9	1	12.7	5.07	41.7	165	101.3	46	192	69
Bozeman, MT	3496	1233 - Train	2	44.3	98.7	74	79.1	1.8	1	12.8	4.38	35.7	167	87.0	440	148	43
Bozeman, MT	3497	1234 - Train	2	45.0	97.8	86	81.7	2.2	2	12.4	4.72	38.7	177	69.7	346	163	52
Bozeman, MT	3498	1235 - Train	2	43.1	97.2	73	77.9	1.6	1	13.1	4.23	33.5	136	64.0	367	136	34
Bozeman, MT	3499	1236 - Train	2	49.1	98.1	76	78.6	1.4	1	14.0	4.49	32.4	148	69.3	273	153	37
Bozeman, MT	3500	1237 - Train	2	43.8	98.4	75	80.9	1.9	2	11.9	4.15	35.1	128	54.3	343	138	45
Bozeman, MT	3501	1238 - Train	2	44.0	97.5	71	78.4	1.6	1	14.7	4.95	34.2	168	90.5	110	176	40
Bozeman, MT	3502	1239 - Train	2	41.7	98.2	72	79.5	1.3	1	13.1	4.55	35.8	138	83.1	308	166	44
Bozeman, MT	3503	1240 - Train	2	41.0	96.8	76	76.3	1.5	1	13.4	3.50	26.6	111	39.9	606	92	20
Bozeman, MT	3504	1241 - Train	2	39.5	98.1	74	79.3	2.6	2	14.2	4.83	35.5	159	69.6	460	174	33
Bozeman, MT	3505	1242 - Train	2	44.3	96.3	87	79.0	1.2	1	11.9	3.73	31.7	119	47.4	576	105	34
Bozeman, MT	3506	1243 - Train	2	40.9	96.5	79	79.7	1.6	1	11.9	4.29	38.0	127	93.5	276	155	45
Bozeman, MT	3507	1244 - Train	2	42.6	96.3	83	78.6	2.0	2	12.9	4.17	33.6	121	60.6	474	132	42
Bozeman, MT	3508	1245 - Train	2	47.9	98.6	77	81.2	2.4	1	13.3	5.21	41.5	132	92.8	355	202	58
Bozeman, MT	3509	1246 - Train	2	42.9	96.6	88	78.4	1.3	1	14.6	4.49	31.5	146	64.9	240	158	37
	3510	CONRAD MALT CHECK	2	40.5	96.7	54	81.7	2.3	1	12.6	5.29	45.6	126	83.8	191	220	62
Bozeman, MT	3511	1247 - Train	2	39.4	93.8	96	79.2	1.3	1	13.5	4.80	36.7	179	80.5	174	161	39
Bozeman, MT	3512	1248 - Train	2	49.2	99.1	73	78.6	1.4	1	13.8	4.64	34.5	123	57.6	601	152	37
Bozeman, MT	3513	1249 - Train	2	41.7	96.7	79	77.2	1.2	1	14.4	4.34	31.2	187	74.8	539	140	28
Bozeman, MT	3514	1250 - Train	2	43.6	98.0	92	78.1	1.8	2	13.9	4.23	31.3	171	66.9	534	125	32
Bozeman, MT	3515	1251 - Train	2	42.3	97.1	87	78.6	1.3	1	14.5	4.79	34.5	200	64.0	140	166	40
Bozeman, MT	3516	1252 - Train	2	38.4	92.6	95	79.3	1.2	1	13.9	4.75	35.8	176	78.8	139	161	37
Bozeman, MT	3517	1253 - Train	2	42.2	98.2	84	80.7	1.5	1	12.3	4.55	39.0	149	73.1	126	155	53
Bozeman, MT	3518	1254 - Train	2	42.3	97.9	91	78.8	1.6	1	14.0	4.86	36.1	236	102.6	217	167	37
Bozeman, MT	3519	1255 - Train	2	41.5	96.4	89	79.2	1.4	1	14.3	4.74	34.1	178	87.4	393	159	36
Bozeman, MT	3520	1256 - Train	2	39.9	94.6	85	80.1	1.4	1	13.6	4.80	37.4	179	97.2	361	178	37
Bozeman, MT	3521	1257 - Train	2	40.4	96.6	77	80.0	1.8	1	14.2	5.16	38.1	178	99.1	95	198	51
Bozeman, MT	3522	1258 - Train	2	42.2	97.9	78	80.4	1.6	1	12.9	5.09	40.5	157	91.0	40	187	65
Bozeman, MT	3523	1259 - Train	2	50.1	99.4	66	78.7	1.4	1	13.3	4.84	37.5	203	62.9	383	181	45

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	3524	1260 - Train	2	44.4	98.8	62	77.8	1.8	1	14.7	4.64	32.1	159	60.0	318	157	33
McVile, ND	3525	CONLON	2	42.8	96.1	20	81.8	2.3	1	13.6	5.56	44.1	157	95.8	279	225	53
McVile, ND	3526	PINNACLE	2	40.1	95.2	17	80.7	2.1	1	11.9	4.89	43.1	142	83.9	213	184	57
McVile, ND	3527	LACEY	6	35.0	95.3	19	80.0	3.0	1	14.2	6.25	46.4	216	86.5	49	257	53
McVile, ND	3528	ND GENESIS	2	38.7	95.9	18	82.9	3.7	1	12.1	5.86	52.2	122	104.4	72	244	58
McVile, ND	3529	2ND34583	2	38.8	95.6	17	81.9	4.5	1	12.1	6.11	52.8	129	106.6	35	257	55
McVile, ND	3530	2ND34584	2	40.9	97.0	15	81.1	3.6	1	12.0	5.75	49.7	125	95.3	91	241	60
McVile, ND	3531	2ND34594	2	40.3	96.0	15	83.2	4.1	1	11.2	5.91	57.4	113	77.5	47	251	57
McVile, ND	3532	2ND34614	2	39.1	94.6	23	81.4	3.2	1	12.9	6.00	47.5	142	104.9	117	247	54
McVile, ND	3533	2ND34616	2	42.4	96.5	19	82.0	2.8	1	12.6	5.87	48.6	162	95.1	113	234	57
McVile, ND	3534	2ND34629	2	40.1	96.2	17	82.4	3.1	1	11.7	5.78	51.0	125	106.8	65	242	60
McVile, ND	3535	2ND34634	2	43.7	97.1	17	82.7	3.4	1	11.9	5.92	52.8	146	128.6	47	268	61
McVile, ND	3536	2ND34647	2	42.1	96.5	13	81.8	2.8	1	12.3	5.53	47.6	183	111.9	127	216	61
McVile, ND	3537	2ND34697	2	41.9	96.0	15	81.1	4.2	1	11.2	6.02	55.2	138	118.5	40	266	57
McVile, ND	3538	2ND34729	2	39.6	96.0	22	82.3	5.7	1	12.0	6.61	55.7	148	116.0	24	301	55
McVile, ND	3539	2ND34781	2	37.5	90.4	23	81.6	3.0	1	13.2	5.86	46.9	140	76.0	66	233	56
McVile, ND	3540	2ND34783	2	37.5	92.0	23	81.8	2.9	1	12.9	6.12	49.9	125	85.6	65	259	53
	3541	CONRAD MALT CHECK	2	39.2	97.5	54	81.6	2.5	1	12.1	5.30	46.0	125	84.3	216	219	60
McVile, ND	3542	2ND34784	2	35.9	88.6	20	80.7	2.5	1	12.9	5.51	45.9	125	83.3	83	222	60
McVile, ND	3543	2ND34827	2	42.2	97.5	19	82.9	2.8	1	11.1	5.50	51.3	152	102.2	52	220	65
McVile, ND	3544	2ND34867	2	41.7	96.0	6	80.2	2.7	1	13.1	5.49	44.2	138	64.9	40	218	61
McVile, ND	3545	2ND34868	2	41.3	97.3	8	81.4	2.7	1	12.9	5.36	44.3	134	86.1	37	220	69
McVile, ND	3546	2ND34870	2	39.0	96.5	12	82.1	2.6	1	11.7	5.31	48.2	116	102.3	76	215	59
McVile, ND	3547	2ND34875	2	44.0	95.4	20	83.2	2.6	1	11.3	5.51	51.5	152	124.7	46	231	65
McVile, ND	3548	2ND34884	2	42.8	96.4	20	82.0	2.5	1	12.2	5.16	44.7	162	112.5	70	207	70
McVile, ND	3549	2ND34889	2	41.9	97.7	21	80.5	2.4	1	11.6	5.25	47.2	136	92.2	78	207	61
McVile, ND	3550	2ND34954	2	41.4	93.2	20	81.3	3.2	1	11.8	5.42	49.3	153	108.7	49	215	64
McVile, ND	3551	2ND34960	2	38.9	91.9	17	81.8	3.2	1	12.1	5.66	49.2	156	116.2	84	216	58
McVile, ND	3552	2ND34962	2	40.4	92.6	16	82.3	3.3	1	11.7	5.74	52.1	154	119.7	35	236	60
McVile, ND	3553	2ND34983	2	37.3	93.2	16	82.3	3.0	1	12.5	5.70	48.6	157	118.9	61	218	56
McVile, ND	3554	2ND34999	2	37.6	91.6	20	82.1	3.0	1	12.8	5.94	48.6	130	79.8	84	234	56
McVile, ND	3555	2ND35001	2	37.9	90.2	19	82.3	3.1	1	12.6	6.02	49.3	137	89.7	56	234	53
McVile, ND	3556	2ND35013	2	40.1	93.2	12	80.9	2.8	1	13.4	6.02	46.7	135	93.3	52	242	54
McVile, ND	3557	2ND35025	2	44.9	98.2	20	83.6	3.6	1	11.8	5.81	52.3	107	125.4	90	254	58
McVile, ND	3558	2ND35027	2	37.3	95.4	16	81.8	4.8	1	13.1	6.41	52.2	148	133.0	108	292	44
McVile, ND	3559	2ND35028	2	41.1	93.2	18	81.2	3.0	1	12.3	5.66	46.4	161	99.8	49	236	65
West Madison Research Station	3560	20253	2	36.6	90.2	13	80.8	n.d.	3	11.6	5.54	50.5	84	73.0	351	195	41
West Madison Research Station	3561	20254	2	45.3	97.6	21	78.7	n.d.	3	12.1	5.14	44.0	50	36.8	535	179	36
West Madison Research Station	3562	20255	2	40.6	94.0	22	80.5	5.5	2	12.0	5.54	47.4	61	52.8	475	224	46
West Madison Research Station	3563	20256	2	33.5	79.5	17	81.7	7.1	1	11.9	6.62	57.3	97	106.9	47	325	41
West Madison Research Station	3564	20257	2	39.7	93.5	15	80.4	4.4	2	11.6	5.64	51.4	69	60.0	282	247	40
West Madison Research Station	3565	20258	2	42.5	96.3	12	82.0	4.1	1	12.6	6.19	51.4	88	90.4	388	289	44
West Madison Research Station	3566	20259	2	37.1	92.1	19	81.8	3.9	2	10.8	5.42	53.0	71	70.3	121	230	43
West Madison Research Station	3567	20260	2	39.0	96.1	16	82.4	3.7	1	10.0	5.19	54.4	67	82.6	341	217	43
West Madison Research Station	3568	20261	2	32.9	92.4	24	81.2	3.3	1	12.4	6.08	50.9	120	90.3	364	246	43
West Madison Research Station	3569	20262	2	32.7	92.1	23	79.8	3.3	1	12.7	6.19	51.5	122	90.1	296	242	43
West Madison Research Station	3570	20263	2	33.5	93.3	28	80.4	2.9	1	12.8	5.81	48.0	112	62.3	402	218	43
West Madison Research Station	3571	20264	2	31.9	91.7	32	79.7	3.2	1	12.6	5.56	44.8	123	73.3	373	215	55
	3572	CONRAD MALT CHECK	2	39.8	97.7	53	81.6	2.4	1	12.2	5.33	47.2	140	101.0	172	217	55
Ray, ND	3573	ROBUST	6	35.9	95.2	36	79.5	2.1	1	14.4	5.82	42.6	209	70.5	232	242	49
Ray, ND	3574	LACEY	6	37.2	96.2	34	79.8	2.2	1	13.9	5.65	42.2	199	80.3	62	219	65
Ray, ND	3575	TRADITION	6	36.2	96.2	38	79.3	2.0	1	14.1	5.46	40.5	258	84.8	145	207	51
Ray, ND	3576	STELLAR-ND	6	36.5	96.9	29	80.2	2.4	1	13.6	5.86	44.2	256	92.0	76	239	61
Ray, ND	3577	QUEST	6	35.1	93.4	33	80.0	2.1	1	13.9	5.77	44.0	212	86.8	253	223	54
Ray, ND	3578	ND35040	6	37.2	95.1	29	79.3	2.7	1	14.0	5.89	43.3	199	75.2	74	235	56

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Ray, ND	3579	ND35044	6	35.6	94.7	30	79.6	2.3	1	13.0	5.61	44.6	212	80.4	68	211	70
Ray, ND	3580	ND35051	6	33.3	93.2	31	79.2	2.6	1	13.5	5.57	44.6	218	84.9	62	215	70
Ray, ND	3581	ND35150	6	34.9	95.3	32	78.7	2.6	1	14.3	5.78	43.3	235	84.2	47	241	53
Ray, ND	3582	ND35166	6	35.2	94.2	33	78.6	2.1	1	14.2	5.67	40.3	223	81.5	76	259	52
Ray, ND	3583	ND35171	6	34.8	95.6	29	78.1	2.7	1	14.8	6.13	43.4	229	85.6	47	303	47
Ray, ND	3584	ND35174	6	34.9	95.8	33	78.5	2.7	1	14.2	5.94	44.8	219	90.3	67	245	53
Ray, ND	3585	ND35177	6	33.8	94.1	25	78.9	2.6	1	13.4	5.51	43.0	185	78.5	55	242	67
Ray, ND	3586	ND35178	6	36.4	96.8	30	78.8	2.4	1	14.0	5.59	42.8	180	79.1	68	257	62
Ray, ND	3587	ND35181	6	35.4	95.3	27	79.0	2.5	1	14.5	5.78	41.6	239	76.9	71	231	51
Ray, ND	3588	ND35182	6	35.1	95.8	29	78.3	2.7	1	13.9	5.71	42.9	221	77.7	57	239	58
Ray, ND	3589	ND35199	6	35.1	95.5	38	78.8	2.5	2	14.0	5.85	42.7	226	81.8	70	237	52
Ray, ND	3590	ND35204	6	36.6	97.0	31	79.8	2.6	1	13.8	6.08	46.3	245	87.6	59	257	58
Ray, ND	3591	ND35207	6	36.3	97.0	25	80.4	3.0	1	12.4	5.89	49.1	171	95.1	48	252	61
Ray, ND	3592	ND35210	6	37.4	96.1	25	80.1	2.8	1	14.1	6.20	45.2	227	84.3	96	265	53
Ray, ND	3593	ND35212	6	36.1	96.0	27	79.9	3.1	1	13.3	5.92	47.5	176	86.1	105	268	61
Ray, ND	3594	ND35233	6	32.3	92.8	31	77.9	2.7	1	13.4	5.64	43.2	218	82.0	64	240	64
Ray, ND	3595	ND35235	6	32.4	92.8	26	78.8	2.6	1	14.6	5.67	40.9	225	95.8	88	247	52
Ray, ND	3596	ND35236	6	32.9	92.0	35	78.7	2.7	1	13.5	5.64	41.9	227	82.4	38	258	57
Ray, ND	3597	ND35237	6	33.1	92.4	30	78.7	2.7	1	14.4	5.69	42.0	239	82.5	43	262	52
Ray, ND	3598	ND35267	6	34.0	92.5	33	78.3	2.5	1	15.0	5.71	40.2	212	81.3	80	230	48
Ray, ND	3599	ND35311	6	35.6	94.6	35	79.0	2.8	1	13.0	5.58	43.2	169	85.1	57	236	70
Ab Stress, ID	3600	Harrington	2	38.3	92.6	87	78.1	1.7	1	13.3	4.75	37.5	121	72.1	412	175	39
Ab Stress, ID	3601	ACMetcalfe	2	37.6	92.2	93	79.2	1.8	1	13.7	5.26	39.7	160	94.3	81	221	44
Ab Stress, ID	3602	CDC Copeland	2	38.8	90.0	90	76.7	2.0	1	14.0	5.25	38.7	165	85.2	120	181	36
	3603	CONRAD MALT CHECK	2	40.4	96.9	54	81.5	2.5	1	13.1	5.40	44.5	121	82.5	183	229	57
Ab Stress, ID	3604	Conrad	2	39.8	95.3	78	78.1	2.1	2	13.5	5.14	39.4	128	81.1	450	191	43
Ab Stress, ID	3605	Voyager	2	42.0	96.5	83	78.7	2.6	1	13.7	5.51	42.7	150	94.1	79	219	54
Ab Stress, ID	3606	Merit57	2	36.7	86.8	85	78.3	1.9	1	14.4	5.04	35.3	159	99.3	263	168	30
Ab Stress, ID	3607	M69	2	39.5	92.6	82	78.1	1.9	1	12.6	4.80	38.6	143	70.3	94	178	51
Ab Stress, ID	3608	10ARS034-5	2	41.9	95.0	96	78.2	2.3	1	14.3	5.35	38.1	147	97.2	114	199	44
Ab Stress, ID	3609	10ARS061-2	2	41.5	96.5	91	79.6	1.8	1	14.3	5.09	37.5	157	80.2	284	194	44
Ab Stress, ID	3610	10ARS110-2	2	36.8	90.6	89	78.5	1.6	1	14.6	5.13	36.5	140	69.7	363	189	35
Ab Stress, ID	3611	10ARS138-9	2	42.3	96.4	89	80.1	1.9	1	12.3	4.89	40.8	143	64.2	311	175	55
Ab Stress, ID	3612	10ARS144-1	2	38.4	86.3	91	77.5	1.8	1	14.0	5.29	38.1	167	82.3	237	194	33
Ab Stress, ID	3613	10ARS175-3	2	38.8	92.5	92	78.7	2.0	1	13.5	5.31	39.7	173	81.9	65	191	51
Ab Stress, ID	3614	10ARS194-8	2	39.9	93.4	83	78.7	1.6	1	13.6	5.04	37.4	144	78.0	316	190	37
Ab Stress, ID	3615	11ARS009-3	2	42.7	93.3	81	78.2	2.1	1	13.6	5.25	38.8	111	76.2	310	206	39
Ab Stress, ID	3616	11ARS110-2	2	38.5	91.0	85	79.6	2.3	1	13.5	4.92	36.7	124	59.2	380	172	37
Ab Stress, ID	3617	11ARS127-2	2	40.4	91.6	69	78.3	1.9	1	14.5	4.91	34.3	137	85.3	344	177	36
Ab Stress, ID	3618	11ARS127-3	2	42.0	95.0	72	80.7	2.0	1	12.5	5.12	41.8	153	92.0	197	205	60
Ab Stress, ID	3619	11ARS127-4	2	38.6	92.8	83	78.1	1.7	1	13.3	5.07	38.8	165	86.8	136	196	47
Ab Stress, ID	3620	11ARS158-4	2	37.3	90.7	92	78.3	2.0	1	13.5	5.18	38.5	153	75.3	218	206	37
Ab Stress, ID	3621	11ARS162-9	2	37.5	92.9	96	78.5	2.1	1	12.1	5.01	41.5	153	95.3	89	198	59
Ab Stress, ID	3622	11ARS189-5	2	41.9	95.3	79	77.8	2.1	1	14.2	5.49	38.9	163	94.7	197	225	37
Filer, ID	3623	Harrington	2	34.4	80.0	83	80.1	1.5	1	12.7	4.85	39.9	145	73.3	356	186	43
Filer, ID	3624	ACMetcalfe	2	35.5	78.9	90	81.2	1.7	1	12.4	5.15	44.9	162	103.1	71	208	60
Filer, ID	3625	CDC Copeland	2	41.8	94.6	81	80.7	1.8	1	12.7	5.10	42.9	143	92.4	46	186	64
Filer, ID	3626	Conrad	2	37.4	86.2	76	78.8	1.5	1	13.8	5.02	36.8	163	93.0	233	202	35
Filer, ID	3627	Voyager	2	37.6	90.4	83	81.5	1.9	1	11.6	5.10	46.0	127	105.0	156	208	58
Filer, ID	3628	Merit57	2	34.3	73.9	86	80.6	1.7	1	12.4	4.89	41.5	146	104.8	291	186	48
Filer, ID	3629	M69	2	33.6	71.4	95	80.0	1.8	1	11.5	4.71	42.0	114	80.5	92	189	52
Filer, ID	3630	10ARS034-5	2	37.1	85.6	87	79.2	1.7	1	14.1	5.33	39.9	157	99.4	164	202	35
Filer, ID	3631	10ARS061-2	2	39.0	88.4	85	80.7	1.6	1	13.4	4.97	37.6	130	80.0	429	210	45
Filer, ID	3632	10ARS110-2	2	40.3	93.3	75	81.0	1.5	1	12.4	4.84	40.0	125	72.1	387	197	62
Filer, ID	3633	10ARS138-9	2	39.3	93.5	83	80.7	1.5	1	12.9	4.95	40.6	153	62.9	391	168	52

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Filer, ID	3634	CONRAD MALT CHECK	2	39.9	97.6	55	81.7	2.1	1	12.2	5.36	44.0	141	97.0	196	243	60
	3635	10ARS144-1	2	36.0	84.8	83	80.4	1.5	1	12.4	5.05	41.3	139	82.9	252	201	50
	3636	10ARS175-3	2	33.3	80.0	81	79.3	1.6	1	14.8	5.20	37.4	174	80.9	203	189	30
	3637	10ARS194-8	2	35.0	81.8	78	80.6	1.4	1	13.0	4.87	39.7	124	77.0	420	187	43
	3638	11ARS009-3	2	37.3	73.4	82	80.1	1.9	1	12.7	5.31	42.8	116	70.4	210	228	47
Filer, ID	3639	11ARS110-2	2	36.1	77.1	81	79.5	1.5	1	13.0	4.56	35.3	116	59.3	385	163	32
Filer, ID	3640	11ARS127-2	2	35.2	78.3	68	81.9	1.6	1	12.1	4.66	39.2	133	84.6	322	203	48
Filer, ID	3641	11ARS127-3	2	36.1	74.0	75	82.7	1.7	1	11.0	4.50	43.4	115	86.7	196	175	40
Filer, ID	3642	11ARS127-4	2	34.1	87.3	90	80.9	1.6	1	11.1	4.74	44.0	136	86.5	78	187	58
Filer, ID	3643	11ARS158-4	2	39.4	90.4	83	81.9	1.8	1	11.6	5.03	44.5	134	80.7	205	198	60
Filer, ID	3644	11ARS162-9	2	35.3	81.4	85	79.5	1.7	1	14.0	5.39	39.7	187	101.2	178	203	35
Filer, ID	3645	11ARS189-5	2	36.2	81.6	85	80.4	1.9	1	13.0	5.39	42.7	153	99.2	180	219	50
Crookston, MN	3646	MW12_4028-007	6	31.2	82.9	43	79.1	1.8	1	14.6	5.44	39.0	180	77.6	468	250	47
Crookston, MN	3647	MW11S4029-002	6	32.6	79.8	26	78.7	1.7	1	13.6	5.02	37.5	199	66.1	337	205	44
Crookston, MN	3648	Quest	6	31.8	87.4	18	79.4	1.7	1	13.9	5.16	38.8	181	79.0	439	219	48
Crookston, MN	3649	MW13_4135-007	6	31.1	73.0	31	79.2	2.1	1	13.2	5.15	41.3	147	79.9	321	235	51
Crookston, MN	3650	MW13_4165-009	6	30.6	67.5	31	79.5	2.1	1	14.4	5.43	39.5	183	98.6	179	255	42
Crookston, MN	3651	MW13_4122-006	6	31.4	65.3	31	79.5	2.3	1	13.4	5.30	41.6	157	89.3	427	242	52
Crookston, MN	3652	MW13_4148-012	6	28.9	68.0	36	78.9	2.1	1	13.8	5.18	38.9	190	80.4	299	200	36
Crookston, MN	3653	MW13_4107-010	6	32.7	85.3	39	78.9	2.1	1	13.9	4.92	36.1	153	62.4	345	197	44
Crookston, MN	3654	MW13_4122-001	6	31.2	78.6	27	77.6	1.8	1	13.5	4.81	36.6	163	68.8	491	172	36
Crookston, MN	3655	MW13_4134-003	6	30.7	73.4	30	78.7	1.8	1	13.4	5.02	38.5	199	80.1	371	205	48
Crookston, MN	3656	MW13_4101-006	6	28.1	51.1	31	77.9	2.0	1	13.6	5.04	37.5	169	80.8	249	194	33
Crookston, MN	3657	MW12_4007-008	6	33.0	86.1	33	79.4	2.4	1	14.7	5.95	42.3	163	93.5	279	263	49
Crookston, MN	3658	MW13_4122-012	6	31.3	84.8	31	78.8	2.1	1	12.9	5.04	39.2	188	73.7	366	204	50
Crookston, MN	3659	Tradition	6	33.5	88.9	26	78.6	1.9	1	14.2	5.32	39.2	222	68.1	335	208	45
Crookston, MN	3660	MW13_4132-006	6	29.7	57.1	26	78.9	2.6	1	13.7	5.56	42.1	201	102.8	350	230	47
Crookston, MN	3661	Lacey	6	34.3	91.1	22	79.8	1.9	1	13.5	5.11	39.1	202	70.3	301	198	47
Crookston, MN	3662	Maja	6	29.2	68.2	35	79.0	2.1	1	12.7	4.89	39.4	194	78.3	135	192	44
Crookston, MN	3663	MW12_4007-001	6	35.5	88.2	30	79.4	2.7	2	13.6	5.12	39.9	168	70.2	351	188	43
Crookston, MN	3664	MW13_4134-009	6	27.7	46.8	37	78.5	2.0	1	13.1	4.82	38.4	233	87.4	229	183	36
	3665	LACEY MALT CHECK	6	33.2	89.1	43	80.0	3.1	1	13.5	5.88	46.0	161	90.9	92	230	66
St. Paul, MN	3666	Quest	6	31.5	84.0	46	78.8	2.0	1	14.5	5.81	40.4	209	90.8	540	235	40
St. Paul, MN	3667	MW13_4132-006	6	31.6	66.7	49	78.9	2.4	1	15.2	6.14	42.4	246	110.2	472	288	37
St. Paul, MN	3668	Tradition	6	31.5	86.1	57	78.3	2.0	1	15.2	5.86	40.0	265	78.3	476	241	40
St. Paul, MN	3669	MW13_4148-012	6	29.5	76.1	60	77.7	1.9	1	15.9	5.78	36.3	271	95.1	436	238	29
St. Paul, MN	3670	Lacey	6	31.9	84.9	47	79.1	2.1	2	14.3	5.69	40.3	236	97.9	456	238	46
St. Paul, MN	3671	MW13_4159-012	6	28.9	61.3	53	77.3	2.0	1	14.8	5.48	38.2	168	83.8	390	221	30
St. Paul, MN	3672	MW12_4007-001	6	32.7	84.1	45	79.2	2.3	2	14.4	5.52	39.9	201	83.4	374	235	47
St. Paul, MN	3673	MW12_4007-008	6	34.0	89.9	53	79.7	2.7	1	15.6	6.44	42.6	154	113.8	365	300	46
St. Paul, MN	3674	MW13_4122-001	6	31.7	76.6	46	77.2	1.9	1	14.4	5.33	38.4	197	75.7	590	192	33
St. Paul, MN	3675	MW13_4134-009	6	31.2	68.9	54	78.4	2.1	1	14.7	5.29	37.8	248	94.1	384	216	39
St. Paul, MN	3676	MW13_4122-006	6	32.3	76.0	49	79.2	2.4	1	14.0	5.71	41.1	161	99.1	586	249	42
St. Paul, MN	3677	Maja	6	29.7	75.0	55	78.3	2.4	2	14.1	5.32	39.5	194	79.4	390	231	39
St. Paul, MN	3678	MW13_4107-010	6	30.8	74.8	54	79.0	2.4	1	15.0	5.93	41.4	209	90.2	380	248	38
St. Paul, MN	3679	MW13_4134-003	6	29.9	69.4	51	77.9	2.0	1	14.6	5.41	37.6	274	95.4	459	228	34
St. Paul, MN	3680	MW12_4028-007	6	33.7	86.2	36	79.0	1.8	1	13.8	5.04	36.6	177	75.2	488	213	46
St. Paul, MN	3681	MW13_4165-009	6	31.0	75.6	66	79.3	2.2	1	14.9	5.81	39.3	198	95.7	391	253	41
St. Paul, MN	3682	MW13_4101-006	6	29.3	60.3	57	77.9	2.1	1	13.5	5.44	42.0	144	79.4	387	211	44
St. Paul, MN	3683	MW13_4135-007	6	30.1	77.7	56	78.2	2.3	1	13.9	5.52	39.6	147	82.3	477	247	44
St. Paul, MN	3684	MW11S4029-002	6	31.3	76.9	50	79.1	2.0	1	14.0	5.49	39.3	245	84.7	418	206	45
St. Paul, MN	3685	MW13_4122-012	6	32.2	85.6	51	79.3	2.6	1	15.2	6.09	42.1	199	82.0	354	242	46
Michigan	3686	UPMB160001	2	36.8	83.0	23	79.3	n.d.	3	15.7	7.07	46.7	118	86.9	70	273	32
Michigan	3687	UPMB160002	2	34.2	77.7	26	77.5	5.5	2	17.6	7.12	42.5	140	90.2	95	263	32
Michigan	3688	UPMB160003	2	30.6	58.0	28	77.0	3.5	2	17.5	6.25	36.4	151	86.5	186	215	20

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Michigan	3689	UPMB160004	2	33.7	74.0	29	80.5	n.d.	3	14.5	6.47	44.6	111	91.4	159	251	28
Michigan	3690	UPMB160005	2	33.8	80.0	32	78.0	4.1	2	16.2	6.83	42.7	130	77.1	140	279	28
Michigan	3691	UPMB160006	2	32.8	71.5	24	78.7	6.4	2	16.3	7.42	48.2	111	77.5	98	321	28
Michigan	3692	UPMB160007	2	31.1	71.7	29	78.3	5.2	1	16.0	7.26	46.5	111	93.1	138	318	30
Michigan	3693	UPMB160008	6	29.7	68.4	30	76.8	1.7	1	15.8	5.54	36.5	210	63.7	383	215	30
Michigan	3694	UPMB160009	2	35.9	85.2	22	77.6	1.8	1	15.4	5.23	34.5	146	87.0	506	183	29
Michigan	3695	UPMB160010	2	36.8	87.7	21	78.6	3.0	2	14.1	5.27	39.2	113	70.6	236	185	29
	3696	LACEY MALT CHECK	6	32.8	89.3	42	79.8	3.5	2	13.9	5.88	44.2	155	92.9	71	257	60
Michigan	3697	UPMB160011	2	36.9	87.1	23	79.0	2.0	1	14.2	4.92	37.0	108	66.1	419	171	27
Michigan	3698	UPMB160012	6	28.9	68.0	37	76.7	2.4	1	15.9	5.61	36.1	192	69.4	276	203	30
Michigan	3699	UPMB160013	6	28.6	75.9	38	77.1	n.d.	3	15.5	5.12	33.7	233	74.8	308	177	22
Michigan	3700	UPMB160014	6	30.4	75.8	28	77.7	1.9	1	15.1	5.51	38.9	183	85.6	354	204	39
Michigan	3701	UPMB160015	6	29.7	70.3	32	76.5	1.9	2	15.6	5.48	36.1	226	79.2	238	197	27
Michigan	3702	UPMB160016	2	34.0	81.5	18	77.6	2.0	1	15.9	5.03	32.6	140	64.7	232	153	23
Michigan	3703	UPMB160017	2	32.7	86.7	27	77.7	1.8	1	14.2	4.46	32.7	85	58.7	219	137	19
Michigan	3704	UPMB160018	2	36.3	83.4	23	77.7	1.7	1	15.3	5.14	34.4	125	57.3	262	168	23
Michigan	3705	UPMB160019	2	35.3	85.9	22	78.4	2.0	1	15.7	5.13	34.7	125	65.6	197	171	30
Michigan	3706	UPMB160020	2	37.4	78.8	17	77.2	2.2	1	15.5	5.40	36.4	119	108.1	91	194	32
Michigan	3707	UPMB160021	2	38.7	85.5	18	77.5	2.0	1	14.3	5.06	35.7	102	109.0	56	175	32
Michigan	3708	UPMB160022	2	30.3	77.9	18	74.1	1.9	1	17.3	4.52	26.6	73	51.2	483	135	16
Michigan	3709	UPMB160023	2	30.8	79.3	17	76.9	1.8	1	16.4	5.03	30.7	113	72.6	284	165	20
Michigan	3710	UPMB160024	2	31.7	78.2	28	76.6	1.9	1	15.1	4.76	31.7	127	55.6	275	159	23
Michigan	3711	UPMB160026	2	31.2	80.1	15	77.8	1.9	1	16.6	5.20	33.3	114	78.6	208	178	20
Michigan	3712	UPMB160027	2	34.2	87.3	22	78.6	1.9	1	15.4	4.95	33.3	120	78.8	222	155	27
Michigan	3713	UPMB160028	2	31.1	86.1	16	78.4	1.9	1	15.4	5.21	36.2	114	82.8	225	182	30
Michigan	3714	UPMB160029	2	37.9	94.2	53	80.9	2.4	1	13.6	5.69	44.4	134	100.3	161	208	41
Michigan	3715	UPMB160030	2	34.5	85.6	60	79.3	2.4	1	14.5	5.63	41.1	167	108.8	187	220	36
Michigan	3716	UPMB160031	2	33.5	79.5	50	79.0	2.0	1	14.4	5.16	37.3	152	98.0	279	177	27
Michigan	3717	UPMB160032	2	35.0	81.2	61	81.6	2.3	1	13.4	5.24	41.9	121	102.7	320	186	46
Michigan	3718	UPMB160033	2	35.1	86.6	63	78.6	2.8	1	14.5	5.94	42.5	154	93.0	231	222	36
Michigan	3719	UPMB160034	2	33.3	78.5	63	78.9	2.9	1	14.7	5.82	41.3	133	91.2	375	227	33
Michigan	3720	UPMB160035	2	34.4	82.6	63	79.3	2.5	1	14.7	5.81	41.7	121	104.2	313	226	33
Michigan	3721	UPMB160036	6	30.9	82.2	60	78.8	2.0	1	13.0	5.01	39.2	178	61.2	340	190	45
Michigan	3722	UPMB160037	2	40.1	94.9	46	78.4	2.7	1	13.9	5.23	39.6	131	74.7	517	180	39
Michigan	3723	UPMB160038	2	38.6	94.0	45	79.9	2.3	1	12.2	4.78	41.0	106	78.8	472	164	49
Michigan	3724	UPMB160039	2	39.1	94.9	52	80.9	2.4	1	12.4	4.81	39.5	107	59.0	445	162	44
Michigan	3725	UPMB160040	6	31.7	88.9	55	78.5	2.4	1	13.9	5.24	40.3	190	67.5	437	185	44
Michigan	3726	UPMB160041	6	31.4	90.0	57	78.2	n.d.	3	14.4	5.01	37.2	216	69.9	496	160	30
	3727	LACEY MALT CHECK	6	33.4	89.9	41	79.8	2.8	1	13.9	5.83	44.8	165	85.5	81	244	61
Michigan	3728	UPMB160042	6	30.3	87.5	61	78.9	2.1	1	13.6	5.31	41.7	164	73.2	348	190	44
Michigan	3729	UPMB160043	6	31.0	83.6	61	78.2	2.1	1	13.2	5.01	39.9	182	70.5	280	167	42
Michigan	3730	UPMB160044	2	36.1	95.4	51	80.0	2.8	2	13.6	5.20	38.7	156	64.4	294	171	34
Michigan	3731	UPMB160045	2	36.5	96.6	58	80.5	2.4	1	12.6	4.92	39.7	108	65.1	307	167	42
Michigan	3732	UPMB160046	2	37.2	93.8	59	79.5	1.9	1	13.1	4.93	40.0	118	63.3	365	162	42
Michigan	3733	UPMB160047	2	37.9	98.0	55	79.5	2.5	1	13.9	5.29	40.6	127	67.9	289	187	43
Michigan	3734	UPMB160048	2	38.7	95.9	44	79.2	2.7	1	13.0	5.35	42.1	99	87.6	245	195	47
Michigan	3735	UPMB160049	2	39.6	95.9	49	79.3	3.1	2	13.8	5.36	38.8	109	97.4	220	195	35
Michigan	3736	UPMB160050	2	36.1	93.4	48	77.6	1.9	1	14.2	4.46	33.2	78	48.7	486	129	18
Michigan	3737	UPMB160051	2	36.4	95.8	50	80.9	2.4	2	13.3	4.81	37.5	110	63.7	358	162	36
Michigan	3738	UPMB160052	2	35.6	91.5	56	79.9	2.5	1	13.1	4.79	38.3	119	55.9	284	170	37
Michigan	3739	UPMB160053	2	36.4	93.7	49	80.0	2.7	1	13.0	4.91	38.7	121	54.7	319	167	45
Michigan	3740	UPMB160054	2	36.5	95.2	47	81.5	2.9	1	13.0	4.95	40.9	111	81.9	254	195	55
Michigan	3741	UPMB160055	2	36.6	96.5	46	79.9	2.7	1	14.0	5.24	38.3	126	78.0	255	180	38
Michigan	3742	UPMB160056	2	35.0	97.2	47	80.1	2.3	2	14.5	5.16	37.9	103	64.3	405	184	34
Michigan	3743	UPMB160057	2	41.4	97.4	16	80.7	7.3	1	15.0	7.58	52.0	80	67.6	70	280	37

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha- amylase	Beta- glucan	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Michigan	3744	UPMB160058	2	36.2	94.6	20	78.9	13.5	2	16.3	8.73	54.2	75	63.4	50	318	29
Michigan	3745	UPMB160059	2	36.8	91.8	20	80.5	6.6	2	14.2	7.21	50.9	93	75.5	44	292	32
Michigan	3746	UPMB160060	2	37.1	93.0	26	81.8	9.0	1	14.1	7.45	53.3	65	66.4	115	292	32
Michigan	3747	UPMB160061	2	38.3	95.1	22	80.6	10.0	2	15.4	7.92	52.9	78	66.1	51	315	34
Michigan	3748	UPMB160062	2	38.4	94.7	30	80.8	11.6	1	14.8	8.12	55.3	77	59.9	75	316	35
Michigan	3749	UPMB160063	2	38.8	94.9	32	80.2	8.6	1	15.5	8.04	54.1	93	70.7	62	352	35
Michigan	3750	UPMB160064	6	33.3	96.7	14	78.3	2.2	1	15.4	6.11	39.9	130	53.6	306	234	35
Michigan	3751	UPMB160065	2	41.7	97.9	20	78.8	2.5	1	15.9	5.87	39.2	114	75.6	533	209	34
Michigan	3752	UPMB160066	2	39.5	96.7	12	80.2	3.5	1	13.3	6.01	47.0	82	70.4	237	214	33
Michigan	3753	UPMB160067	2	40.8	95.0	17	79.9	3.3	2	13.4	5.47	43.0	74	58.3	340	196	46
Michigan	3754	UPMB160068	6	35.9	97.9	16	78.2	4.1	1	16.0	7.18	45.1	121	61.7	199	276	40
Michigan	3755	UPMB160069	6	34.6	97.9	19	78.0	n.d.	3	15.2	5.87	39.3	168	61.8	500	208	36
Michigan	3756	UPMB160070	6	34.1	97.4	20	79.0	2.3	1	14.6	6.00	42.2	146	83.0	355	234	49
Michigan	3757	UPMB160071	6	35.4	97.9	19	78.7	2.5	1	15.3	5.99	40.9	141	68.8	196	204	41
	3758	CONRAD MALT CHECK	2	40.6	96.9	55	81.9	2.3	1	12.6	5.88	47.5	140	92.2	188	229	53
Michigan	3759	UPMB160072	2	37.9	95.4	19	80.5	2.7	1	13.3	5.17	41.0	103	63.4	60	174	49
Michigan	3760	UPMB160073	2	39.5	97.4	26	80.9	2.1	1	13.2	5.08	39.0	83	64.3	99	166	42
Michigan	3761	UPMB160074	2	39.8	96.0	15	80.9	2.2	1	14.0	5.57	40.8	79	53.7	258	201	40
Michigan	3762	UPMB160075	2	40.3	97.8	25	79.3	2.4	1	14.0	5.19	39.3	89	63.1	89	172	36
Michigan	3763	UPMB160076	2	41.5	95.0	7	78.0	2.6	1	15.4	5.63	38.8	106	94.9	87	189	35
Michigan	3764	UPMB160077	2	41.2	95.8	8	77.7	2.5	1	14.7	5.54	38.6	97	96.7	90	201	37
Michigan	3765	UPMB160078	2	36.8	94.3	11	77.2	2.3	1	16.2	5.24	33.5	78	60.9	356	171	21
Michigan	3766	UPMB160079	2	36.7	96.9	19	80.6	2.2	1	13.2	4.99	38.1	81	68.3	205	176	33
Michigan	3767	UPMB160080	2	38.0	96.6	19	80.1	2.9	2	14.6	5.44	40.0	87	59.7	293	202	34
Michigan	3768	UPMB160081	2	39.6	97.2	16	79.2	n.d.	3	15.1	5.09	36.0	86	55.9	276	192	30
Michigan	3769	UPMB0082	2	36.2	95.7	16	80.5	2.7	1	15.2	5.62	38.5	80	78.5	275	226	29
Michigan	3770	UPMB0083	2	38.9	96.2	21	80.9	2.1	1	14.4	5.17	38.3	104	94.7	67	181	44
Michigan	3771	UPMB0084	2	35.9	96.4	22	80.2	2.3	1	13.7	5.33	39.0	74	77.3	176	194	33
Michigan	3772	UPMB0085	2	40.2	91.9	26	78.0	2.1	1	13.2	4.92	38.1	74	50.7	544	145	34
Michigan	3773	UPMB0086	2	32.3	81.2	24	73.8	n.d.	3	13.3	4.98	40.0	110	55.6	459	164	28
Michigan	3774	UPMB0087	2	40.2	94.0	21	74.4	n.d.	3	17.9	7.84	44.6	34	49.9	537	264	23
Michigan	3775	UPMB0088	2	38.5	96.7	16	77.2	n.d.	3	15.0	5.65	37.7	92	39.3	434	182	13
Michigan	3776	UPMB0089	2	33.8	89.5	20	77.4	n.d.	3	13.3	4.79	38.1	35	53.1	723	158	22
Michigan	3777	UPMB0090	2	30.4	87.7	26	75.7	5.0	2	14.4	6.06	43.6	56	69.6	397	271	21
Michigan	3778	UPMB0091	2	34.5	90.4	16	76.7	3.2	1	14.6	5.09	36.5	65	58.1	579	204	26
Michigan	3779	UPMB0092	2	35.5	91.8	18	75.6	2.7	2	15.2	4.64	32.1	97	38.4	647	150	13
Michigan	3780	UPMB0093	2	36.0	88.6	25	77.7	2.4	1	13.5	4.83	37.2	65	49.0	684	165	21
Michigan	3781	UPMB0094	2	27.6	78.0	24	78.4	3.7	2	14.1	5.20	39.2	63	61.2	468	212	24
Michigan	3782	UPMB0095	2	33.5	91.8	21	75.5	n.d.	3	16.6	6.84	42.5	64	47.9	409	277	19
Michigan	3783	UPMB0096	2	31.2	81.5	26	76.6	n.d.	3	15.6	5.17	34.7	64	44.1	481	191	16
Michigan	3784	UPMB0097	2	33.6	89.6	17	77.1	n.d.	3	14.2	4.96	35.4	78	49.0	626	175	14
Michigan	3785	UPMB0098	2	33.0	94.3	12	76.4	n.d.	3	14.7	5.03	35.7	54	42.0	592	178	16
Michigan	3786	UPMB0099	2	43.4	90.7	2	77.7	n.d.	3	18.1	5.99	34.0	43	39.1	731	210	18
Michigan	3787	UPMB0100	2	33.8	94.0	24	76.4	n.d.	3	14.2	4.79	34.1	82	53.3	561	166	19
Michigan	3788	UPMB0101	2	33.0	90.1	23	77.2	n.d.	3	14.8	4.91	34.3	57	55.1	674	175	19
	3789	CONRAD MALT CHECK	2	40.3	97.4	54	81.9	2.3	1	12.8	5.26	43.5	150	104.6	238	222	62
Michigan	3790	UPMB0102	2	31.4	81.6	19	77.3	n.d.	3	14.5	5.82	42.2	69	53.7	401	231	20
Michigan	3791	UPMB0103	2	34.3	90.5	27	77.7	3.1	2	14.8	4.85	34.1	82	52.7	482	189	23
Michigan	3792	UPMB0104	2	39.5	96.4	2	73.7	2.8	2	17.7	5.66	33.3	59	47.4	536	224	20
Michigan	3793	UPMB0105	2	28.8	87.2	15	75.6	n.d.	3	15.1	5.66	39.4	63	59.0	449	237	18
Michigan	3794	UPMB0106	2	34.8	92.5	8	78.3	n.d.	3	14.1	7.26	52.8	44	45.7	164	306	18
Michigan	3795	UPMB0107	2	28.5	86.4	23	75.3	n.d.	3	15.8	4.74	31.8	75	36.2	467	160	10
Michigan	3796	UPMB0108	2	32.6	89.7	20	76.8	n.d.	3	15.6	4.85	32.2	86	47.0	517	174	14
Michigan	3797	UPMB0109	2	32.2	95.2	0	70.8	n.d.	3	15.3	4.35	29.4	32	29.4	691	155	8
Michigan	3798	UPMB0110	2	30.5	70.6	14	73.2	n.d.	3	17.4	4.74	28.8	63	39.6	658	158	7

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Michigan	3799	UPMB0111	2	36.7	95.1	15	76.3	n.d.	3	15.2	5.00	34.0	69	42.3	565	159	16
Michigan	3800	UPMB0112	2	35.7	93.0	18	78.1	n.d.	3	14.6	5.16	36.7	61	48.3	523	189	23
Michigan	3801	UPMB0113	2	38.0	97.9	3	74.0	3.0	2	17.8	5.22	30.7	41	40.0	714	195	22
Michigan	3802	UPMB0114	2	34.7	90.9	18	76.8	n.d.	3	14.7	5.55	39.8	64	39.9	391	208	17
Michigan	3803	UPMB0115	2	35.5	92.7	14	75.8	n.d.	3	16.6	5.42	34.5	96	42.0	549	177	16
Michigan	3804	UPMB0116	2	33.9	89.8	25	74.6	n.d.	3	15.3	5.59	36.9	73	49.1	628	219	19
Michigan	3805	UPMB160025	2	32.4	84.6	24	76.9	2.5	2	15.0	4.78	32.9	117	56.2	232	170	19
Fargo, ND	3806	CONLON	2	44.5	98.1	27	81.6	4.8	2	14.5	6.63	47.0	129	103.1	285	299	40
Fargo, ND	3807	PINNACLE	2	38.4	92.7	10	81.8	3.4	1	11.7	5.48	48.5	103	98.2	271	234	52
Fargo, ND	3808	LACEY	6	36.9	97.3	27	80.8	3.8	1	14.2	6.44	47.1	176	101.9	101	298	48
Fargo, ND	3809	ND GENESIS	2	43.1	97.6	19	83.2	5.8	1	12.3	6.26	53.1	78	105.6	184	287	44
Fargo, ND	3810	2ND34583	2	43.3	98.7	21	81.3	6.2	1	13.0	6.46	51.4	83	101.4	89	280	51
Fargo, ND	3811	2ND34584	2	45.1	99.0	26	80.6	6.5	1	13.5	6.55	51.0	73	91.5	145	296	34
Fargo, ND	3812	2ND34594	2	41.5	97.6	23	82.0	5.8	1	12.5	6.33	54.1	83	93.8	132	260	46
Fargo, ND	3813	2ND34614	2	43.5	97.1	20	82.1	4.5	1	13.4	6.71	51.5	140	111.8	131	287	49
Fargo, ND	3814	2ND34616	2	43.0	97.6	22	81.6	4.1	1	14.0	6.44	48.9	150	111.7	109	279	44
Fargo, ND	3815	2ND34629	2	44.5	98.1	27	82.4	4.3	1	12.6	6.49	51.9	107	113.6	107	291	51
Fargo, ND	3816	2ND34634	2	45.7	98.2	17	82.4	5.0	1	12.7	6.63	52.3	113	120.7	52	306	55
Fargo, ND	3817	2ND34647	2	40.4	96.2	17	81.4	4.1	1	13.3	6.30	49.5	154	119.2	96	272	52
Fargo, ND	3818	2ND34697	2	47.2	97.5	21	82.5	4.4	1	11.2	6.06	56.5	105	107.3	123	282	51
Fargo, ND	3819	2ND34729	2	42.5	97.6	25	82.6	4.9	1	12.0	6.49	54.6	111	100.0	74	293	55
	3820	CONRAD MALT CHECK	2	39.2	96.5	54	81.8	2.4	1	12.5	5.25	44.6	139	90.4	191	214	60
Fargo, ND	3821	2ND34781	2	42.3	99.6	20	82.4	4.8	1	13.0	6.40	49.8	105	89.1	91	285	55
Fargo, ND	3822	2ND34783	2	41.0	97.6	29	81.3	4.0	1	13.9	6.78	50.2	103	96.0	161	332	37
Fargo, ND	3823	2ND34784	2	42.1	95.5	27	80.8	4.0	1	13.8	6.54	47.6	111	93.0	181	283	35
Fargo, ND	3824	2ND34827	2	46.1	98.7	29	82.3	4.1	1	11.8	6.09	54.8	116	101.0	55	271	55
Fargo, ND	3825	2ND34867	2	46.0	99.1	10	81.1	4.1	1	14.0	6.41	48.6	141	72.9	53	295	48
Fargo, ND	3826	2ND34868	2	44.9	98.7	10	81.8	4.7	1	13.5	6.46	49.6	117	92.5	81	305	50
Fargo, ND	3827	2ND34870	2	43.1	97.8	13	82.6	4.6	1	12.3	6.18	52.0	103	97.5	114	278	51
Fargo, ND	3828	2ND34875	2	49.2	98.1	34	84.3	4.3	1	12.0	5.95	51.8	98	98.9	137	264	50
Fargo, ND	3829	2ND34884	2	44.7	98.5	23	83.7	3.6	1	12.6	6.05	49.1	144	108.5	99	260	58
Fargo, ND	3830	2ND34889	2	44.2	99.1	26	82.0	4.2	1	12.6	6.15	51.4	114	94.2	45	264	55
Fargo, ND	3831	2ND34954	2	46.1	98.5	26	83.4	5.0	1	12.1	5.99	50.0	109	80.5	80	249	58
Fargo, ND	3832	2ND34960	2	45.0	97.4	27	83.2	4.4	1	12.2	5.86	48.6	125	91.9	111	257	57
Fargo, ND	3833	2ND34962	2	44.7	98.6	31	83.4	5.0	1	11.9	6.15	53.1	89	91.5	87	281	51
Fargo, ND	3834	2ND34983	2	41.9	98.3	23	82.3	4.7	1	12.3	6.18	51.1	104	99.0	111	261	50
Fargo, ND	3835	2ND34999	2	43.9	97.4	28	83.1	5.7	1	13.3	6.70	51.7	98	83.0	102	310	42
Fargo, ND	3836	2ND35001	2	41.8	96.7	22	82.3	5.8	1	12.9	6.53	51.6	101	91.2	79	277	54
Fargo, ND	3837	2ND35013	2	42.5	94.9	18	80.7	3.3	1	13.9	6.11	44.6	137	94.2	93	286	50
Fargo, ND	3838	2ND35025	2	45.5	98.5	27	82.7	4.7	1	12.5	6.25	52.4	97	112.3	129	331	47
Fargo, ND	3839	2ND35027	2	44.7	98.6	33	82.8	5.7	1	13.1	6.49	52.3	101	103.0	135	300	46
Fargo, ND	3840	2ND35028	2	46.9	97.0	31	83.2	3.8	1	13.0	5.86	46.2	120	85.8	111	272	62
West Madison Research Station	3841	20001	2	44.4	98.3	25	82.5	4.1	2	11.8	5.72	49.7	67	60.5	455	249	46
West Madison Research Station	3842	20002	2	35.7	93.7	26	80.0	n.d.	3	12.0	6.29	52.6	62	48.9	96	241	38
West Madison Research Station	3843	20003	2	41.8	98.6	26	82.7	5.2	1	11.5	5.92	52.4	75	101.9	352	251	46
West Madison Research Station	3844	20004	2	39.2	96.7	8	82.0	5.4	1	12.4	6.27	50.8	115	90.4	112	281	48
West Madison Research Station	3845	20005	2	35.4	93.7	22	80.8	6.7	2	11.8	6.03	51.1	67	69.1	180	251	35
West Madison Research Station	3846	20006	2	36.9	90.7	17	81.0	5.1	1	10.7	5.57	53.0	57	108.2	381	248	41
West Madison Research Station	3847	20007	2	45.3	97.3	22	82.9	5.1	2	12.4	5.78	47.7	82	77.2	407	235	46
West Madison Research Station	3848	20008	2	37.2	93.8	28	80.7	5.7	2	13.8	6.19	45.5	105	72.9	256	263	34
West Madison Research Station	3849	20009	2	40.9	96.8	28	82.8	n.d.	3	13.0	5.59	43.3	83	66.3	622	224	48
West Madison Research Station	3850	20010	2	40.9	95.6	17	83.7	3.2	2	14.0	5.97	43.5	102	87.5	362	239	44
	3851	CONRAD MALT CHECK	2	40.5	97.7	54	81.6	2.3	1	12.3	5.24	44.0	149	97.6	168	212	62
West Madison Research Station	3852	20011	2	38.9	97.4	22	82.0	4.1	2	14.1	6.25	45.2	100	78.3	324	276	35
West Madison Research Station	3853	20012	2	40.2	96.5	14	82.4	3.7	2	13.6	5.82	45.0	113	85.2	392	244	44

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
West Madison Research Station	3854	20013	2	37.1	93.2	24	80.2	5.0	1	14.3	6.27	45.2	111	69.0	241	231	35
West Madison Research Station	3855	20014	2	42.1	97.2	24	81.1	3.4	1	14.5	6.29	44.3	124	92.2	250	249	46
West Madison Research Station	3856	20015	2	40.0	95.3	20	80.9	4.8	2	13.7	6.29	47.0	109	80.3	152	253	31
West Madison Research Station	3857	20016	2	43.2	95.8	26	82.7	n.d.	3	12.5	5.43	43.6	82	56.6	598	180	52
West Madison Research Station	3858	20017	2	42.7	97.6	27	80.0	n.d.	3	13.1	5.76	44.8	63	47.7	431	195	39
West Madison Research Station	3859	20018	2	39.4	92.6	22	82.1	3.1	1	10.6	5.22	51.1	77	82.1	330	190	41
West Madison Research Station	3860	20019	2	39.0	97.4	29	81.8	5.5	1	13.1	6.19	47.8	65	88.0	201	234	36
West Madison Research Station	3861	20020	2	47.0	98.4	21	82.1	4.4	2	12.3	6.19	51.6	85	115.9	287	267	43
West Madison Research Station	3862	20022	2	42.5	97.2	32	81.0	3.8	2	13.6	6.12	46.7	91	65.7	383	226	35
West Madison Research Station	3863	20023	2	43.2	96.5	25	81.6	3.4	1	13.0	5.72	46.1	108	107.6	355	242	56
West Madison Research Station	3864	20024	2	39.7	95.0	24	80.1	8.0	1	12.9	6.84	53.9	82	73.0	84	250	45
West Madison Research Station	3865	20025	2	41.9	93.7	14	80.6	5.1	2	11.9	5.90	49.8	118	115.5	311	229	46
West Madison Research Station	3866	20026	2	41.3	95.7	26	80.9	3.9	1	12.6	5.69	46.6	78	87.2	292	250	48
West Madison Research Station	3867	20027	2	42.1	97.0	27	81.8	2.9	1	12.1	5.18	45.4	97	93.4	506	181	54
West Madison Research Station	3868	20028	2	40.2	95.3	27	82.0	5.6	1	12.2	6.53	54.9	94	100.2	84	283	50
West Madison Research Station	3869	20029	2	36.1	89.3	22	82.7	4.8	2	12.2	5.66	50.5	68	75.9	450	226	39
West Madison Research Station	3870	20030	2	41.9	96.4	24	83.4	2.9	1	13.3	5.77	45.7	113	95.7	433	231	50
West Madison Research Station	3871	20031	2	35.3	93.2	17	80.6	6.2	2	12.4	6.19	50.2	88	87.8	135	281	38
West Madison Research Station	3872	20032	2	47.0	97.4	15	80.4	3.5	2	13.0	5.58	44.0	84	64.6	376	206	52
West Madison Research Station	3873	20033	2	39.1	96.9	11	79.0	4.3	2	17.3	6.74	39.4	163	90.8	339	311	31
West Madison Research Station	3874	20034	2	38.8	93.9	18	80.2	5.0	2	14.5	6.32	44.4	84	96.5	223	280	32
West Madison Research Station	3875	20035	2	37.2	88.2	15	81.3	5.5	2	12.5	6.11	49.3	100	95.8	282	253	36
West Madison Research Station	3876	20036	2	45.2	97.7	20	82.6	4.1	2	13.1	5.96	47.8	74	92.7	244	290	41
West Madison Research Station	3877	20037	2	42.0	96.3	27	80.8	4.7	1	13.0	6.23	48.2	98	73.4	155	268	40
West Madison Research Station	3878	20038	2	33.0	73.7	2	83.5	n.d.	3	16.2	5.24	32.6	110	60.0	479	171	28
West Madison Research Station	3879	20039	2	35.4	90.7	14	80.4	n.d.	3	12.9	6.29	49.3	107	75.7	211	263	38
West Madison Research Station	3880	20040	2	39.9	93.9	15	82.6	n.d.	3	11.8	5.42	47.2	84	61.1	560	218	46
	3881	CONRAD MALT CHECK	2	40.4	96.8	54	82.0	2.3	1	12.6	5.26	43.7	156	94.7	222	235	62
West Madison Research Station	3882	20041	2	44.3	97.0	29	82.8	n.d.	3	12.8	5.55	44.5	113	51.7	418	230	58
West Madison Research Station	3883	20042	2	41.8	97.5	28	83.0	3.8	2	11.3	5.45	50.9	70	85.3	415	258	49
West Madison Research Station	3884	20043	2	44.0	98.0	13	83.4	3.7	2	11.9	5.76	49.9	94	79.1	454	290	46
West Madison Research Station	3885	20044	2	40.7	93.3	23	81.6	2.6	1	11.4	5.17	49.3	91	91.4	424	237	50
West Madison Research Station	3886	20045	2	42.6	97.4	27	82.9	4.3	2	11.7	5.67	49.3	106	81.4	452	239	50
West Madison Research Station	3887	20046	2	36.6	89.6	21	82.5	5.4	2	12.1	5.74	47.8	60	62.1	278	257	39
West Madison Research Station	3888	20047	2	43.5	97.0	26	81.4	3.3	1	11.9	5.40	45.7	110	72.3	284	240	60
West Madison Research Station	3889	20048	2	40.0	96.3	25	81.2	5.9	2	12.5	6.34	50.9	100	78.0	53	300	51
West Madison Research Station	3890	20049	2	43.8	95.2	25	81.2	3.0	1	14.0	5.92	44.6	104	79.2	482	271	46
West Madison Research Station	3891	20050	2	43.2	96.4	24	82.0	4.1	2	13.8	6.21	46.1	80	73.2	430	314	38
West Madison Research Station	3892	20051	2	39.1	93.7	20	81.9	6.6	2	12.0	6.17	52.3	82	74.2	176	262	40
West Madison Research Station	3893	20052	2	38.3	91.7	21	82.6	3.7	1	11.7	5.63	50.3	89	89.9	157	254	44
West Madison Research Station	3894	20053	2	41.8	97.3	16	82.1	4.0	2	12.1	5.84	49.9	92	87.7	402	260	45
West Madison Research Station	3895	20054	2	40.7	97.6	12	81.3	7.6	1	13.5	6.99	53.4	98	74.9	80	334	45
West Madison Research Station	3896	20055	2	38.0	93.7	15	81.9	8.9	2	12.1	6.48	54.0	58	71.7	85	305	45
West Madison Research Station	3897	20056	2	40.8	96.5	18	82.6	6.1	2	12.1	6.34	53.0	85	81.8	117	291	45
West Madison Research Station	3898	20057	2	32.7	83.6	9	80.6	n.d.	3	12.4	5.86	49.1	38	51.5	134	256	35
West Madison Research Station	3899	20058	2	38.9	90.2	11	81.8	4.8	1	12.2	5.89	48.8	102	83.6	198	288	48
West Madison Research Station	3900	20059	2	43.8	96.4	21	79.9	3.1	1	14.5	5.87	41.6	101	92.1	426	264	43
West Madison Research Station	3901	20060	2	38.8	88.4	22	80.4	4.9	2	13.2	6.22	47.4	107	83.3	281	254	34
West Madison Research Station	3902	20061	2	41.9	94.6	24	82.3	n.d.	3	12.0	6.05	50.4	88	70.0	235	239	41
West Madison Research Station	3903	20062	2	38.1	93.1	7	80.5	5.8	2	13.8	6.84	51.1	92	64.7	78	296	34
West Madison Research Station	3904	20063	2	41.6	96.0	16	81.5	n.d.	3	12.0	5.23	44.8	99	58.2	575	208	53
West Madison Research Station	3905	20064	2	38.5	92.4	25	80.3	n.d.	3	12.7	6.38	52.0	96	57.8	330	278	36
West Madison Research Station	3906	20066	2	43.6	97.7	21	82.9	3.3	2	11.6	5.47	47.6	84	70.3	508	212	50
West Madison Research Station	3907	20067	2	38.2	91.3	19	81.0	5.5	2	12.4	6.19	50.3	78	71.3	234	275	40
West Madison Research Station	3908	20068	2	36.9	85.7	16	82.0	n.d.	3	12.1	6.06	51.1	96	74.7	177	276	35

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
West Madison Research Station	3909	20069	2	37.5	89.3	12	81.2	4.5	2	11.8	6.20	53.5	131	108.1	126	279	46
West Madison Research Station	3910	20070	2	41.8	95.4	23	82.5	4.2	2	11.7	5.83	52.4	96	82.2	291	222	45
West Madison Research Station	3911	20071	2	43.2	95.6	20	82.1	3.8	2	13.6	5.85	43.4	71	67.5	374	225	41
	3912	CONRAD MALT CHECK	2	40.6	97.3	54	82.2	2.5	1	12.9	5.38	44.2	160	92.0	240	204	62
West Madison Research Station	3913	20072	2	41.4	98.6	23	83.0	n.d.	3	13.6	6.04	45.5	104	76.9	368	253	40
West Madison Research Station	3914	20073	2	40.8	95.2	14	82.5	4.2	1	12.1	5.90	49.2	87	73.9	240	273	46
West Madison Research Station	3915	20074	2	36.4	86.3	14	82.5	5.1	1	12.3	6.29	51.1	103	100.3	206	306	41
West Madison Research Station	3916	20075	2	40.0	95.4	24	82.8	4.0	1	12.8	6.26	50.9	89	93.1	332	290	41
West Madison Research Station	3917	20076	2	44.4	97.0	20	83.0	n.d.	3	12.8	5.87	46.4	80	59.0	538	248	50
West Madison Research Station	3918	20077	2	40.4	94.8	8	82.0	4.1	1	12.4	6.09	49.7	96	98.9	295	306	43
West Madison Research Station	3919	20078	2	36.4	91.8	12	82.3	3.6	1	12.6	5.88	49.3	112	78.0	387	269	46
West Madison Research Station	3920	20079	2	35.1	91.0	22	81.9	2.9	1	12.4	5.42	46.9	125	77.1	338	225	58
West Madison Research Station	3921	20080	2	38.1	93.7	10	82.9	2.9	1	12.0	5.47	47.9	96	91.0	401	238	48
West Madison Research Station	3922	20081	2	41.5	97.0	19	82.3	3.9	2	12.6	6.12	51.1	127	102.5	420	263	49
West Madison Research Station	3923	20082	2	36.0	89.1	21	82.2	3.1	2	13.3	5.84	46.9	134	69.7	381	260	46
West Madison Research Station	3924	20083	2	39.0	91.7	8	83.1	2.6	1	12.0	5.42	46.8	84	80.0	519	229	53
West Madison Research Station	3925	20084	2	37.4	92.2	26	81.7	4.5	1	11.9	6.02	51.6	95	90.1	136	261	42
West Madison Research Station	3926	20085	2	43.1	94.9	18	83.5	3.3	1	10.5	5.37	55.8	64	104.2	500	256	46
West Madison Research Station	3927	20086	2	38.4	90.7	14	81.4	5.5	1	14.9	6.91	49.6	97	75.0	295	310	31
West Madison Research Station	3928	20087	2	36.2	86.7	25	81.6	5.3	1	12.2	6.14	52.1	97	78.4	141	281	40
West Madison Research Station	3929	20088	2	38.8	95.1	23	81.8	3.4	1	12.6	5.65	46.4	123	76.6	280	240	56
West Madison Research Station	3930	20089	2	40.7	98.0	31	82.1	4.6	2	13.4	6.20	46.6	117	86.4	349	292	46
West Madison Research Station	3931	20090	2	44.4	98.3	12	82.3	4.6	1	13.5	6.16	46.1	88	90.7	421	296	44
West Madison Research Station	3932	20091	2	39.8	94.4	29	83.4	3.9	1	11.8	5.65	49.2	95	81.6	429	236	44
West Madison Research Station	3933	20092	2	42.1	95.3	25	84.3	n.d.	3	13.2	5.55	43.7	108	72.0	674	213	53
West Madison Research Station	3934	20093	2	43.4	96.3	15	81.6	3.4	1	14.2	6.08	44.1	88	86.2	438	250	39
West Madison Research Station	3935	20094	2	39.3	93.6	17	81.2	3.1	1	12.7	5.49	42.5	99	80.8	462	247	53
West Madison Research Station	3936	20095	2	43.3	96.1	25	79.6	5.9	1	14.8	6.82	46.7	91	83.4	271	289	36
West Madison Research Station	3937	20096	2	35.7	91.9	13	80.6	3.3	1	12.2	5.23	43.6	106	72.4	396	212	52
West Madison Research Station	3938	20097	2	44.0	98.7	30	82.0	2.7	1	13.0	5.82	46.2	86	98.0	288	239	52
West Madison Research Station	3939	20098	2	48.1	98.6	20	82.0	4.8	1	11.9	5.82	49.1	63	67.6	298	238	47
West Madison Research Station	3940	20099	2	35.8	96.0	18	82.4	6.0	2	11.9	6.23	53.4	75	80.4	227	283	38
	3941	CONRAD MALT CHECK	2	40.5	97.6	54	82.2	2.4	1	12.4	5.41	46.8	138	93.2	237	224	62
West Madison Research Station	3942	20100	2	40.2	93.1	22	83.2	3.4	1	11.3	5.49	51.9	85	100.2	387	228	50
West Madison Research Station	3943	20101	2	39.0	94.5	18	81.3	4.5	1	12.9	6.23	51.1	95	86.4	340	267	41
West Madison Research Station	3944	20102	2	48.9	98.4	16	83.0	7.2	1	11.8	6.38	54.7	55	77.3	450	291	44
West Madison Research Station	3945	20103	2	40.7	94.7	26	82.0	3.6	2	12.9	6.00	48.1	121	100.2	442	255	49
West Madison Research Station	3946	20104	2	41.6	96.1	15	83.4	5.0	1	12.1	6.22	52.6	74	101.2	433	282	43
West Madison Research Station	3947	20105	2	42.1	98.2	29	82.6	3.5	2	12.8	6.05	48.3	97	78.3	498	247	43
West Madison Research Station	3948	20106	2	38.4	92.1	22	82.0	5.5	1	12.4	6.24	50.7	96	87.3	281	248	41
West Madison Research Station	3949	20107	2	40.6	95.2	25	80.4	5.2	1	13.6	6.81	49.4	105	76.3	141	302	37
West Madison Research Station	3950	20108	2	44.3	96.1	22	82.1	2.9	1	12.5	5.51	44.8	91	85.7	570	237	56
West Madison Research Station	3951	20109	2	38.4	91.4	26	81.8	5.0	1	12.3	6.20	50.6	92	89.7	319	263	41
West Madison Research Station	3952	20110	2	40.7	92.3	10	80.9	4.0	1	13.6	6.23	46.7	101	108.6	262	261	39
West Madison Research Station	3953	20111	2	43.2	96.3	21	80.9	3.6	2	12.9	5.57	43.1	101	73.4	605	224	56
West Madison Research Station	3954	20112	2	35.9	95.1	18	81.9	3.1	1	11.4	5.09	46.0	86	68.6	468	199	51
West Madison Research Station	3955	20113	2	41.2	96.7	23	82.4	4.1	2	11.5	5.49	51.3	78	91.5	443	228	49
West Madison Research Station	3956	20114	2	40.9	96.5	25	82.3	5.5	1	12.5	6.52	54.7	81	92.5	151	281	43
	3957	CONRAD MALT CHECK	2	40.6	97.8	54	82.0	2.1	1	12.8	5.31	41.9	158	105.9	266	225	62
West Madison Research Station	3958	20116	2	37.4	94.2	13	81.5	5.3	2	13.1	6.16	48.8	99	89.0	275	270	33
West Madison Research Station	3959	20117	2	39.0	96.5	23	81.6	3.7	1	13.9	6.26	45.5	85	91.4	340	282	36
West Madison Research Station	3960	20118	2	34.2	86.8	31	80.5	6.4	2	12.3	6.30	51.2	84	82.6	239	274	33
West Madison Research Station	3961	20119	2	38.6	96.0	4	81.7	5.1	1	13.4	6.23	47.5	130	92.6	168	270	43
West Madison Research Station	3962	20120	2	41.9	97.3	18	83.2	2.7	1	12.4	5.63	46.5	96	94.0	493	213	51
West Madison Research Station	3963	20121	2	44.1	97.7	13	82.4	n.d.	3	12.0	5.49	45.7	53	68.0	567	216	54

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
West Madison Research Station	3964	20122	2	42.6	98.1	17	82.6	n.d.	3	12.6	5.70	45.6	81	72.5	469	239	50
West Madison Research Station	3965	20123	2	36.4	94.0	14	80.1	6.8	1	13.5	6.35	47.1	97	73.6	342	248	31
West Madison Research Station	3966	20124	2	38.8	92.5	19	81.4	4.6	2	11.9	5.78	49.8	73	92.1	429	229	43
West Madison Research Station	3967	20125	2	39.3	96.4	19	80.8	5.4	2	13.4	6.00	45.1	46	69.7	379	266	40
West Madison Research Station	3968	20126	2	43.3	97.7	21	83.6	3.8	1	12.0	5.76	49.1	92	89.5	493	245	47
West Madison Research Station	3969	20127	2	36.8	93.7	24	82.6	4.4	1	11.7	6.07	52.5	108	84.8	356	256	43
West Madison Research Station	3970	20128	2	40.3	94.2	18	81.4	5.2	1	13.0	6.56	51.1	74	73.6	213	316	43
West Madison Research Station	3971	20129	2	46.4	97.1	21	83.8	4.4	2	12.0	5.98	53.0	79	81.4	324	254	46
	3972	CONRAD MALT CHECK	2	40.1	97.7	54	82.3	2.4	1	12.0	5.40	46.8	143	97.8	247	222	62
West Madison Research Station	3973	20130	2	48.6	98.0	20	83.1	4.7	2	14.7	6.65	45.4	79	84.9	677	289	38
West Madison Research Station	3974	20131	2	40.2	93.2	14	82.2	4.8	2	12.6	5.89	47.0	92	92.3	427	247	50
West Madison Research Station	3975	20132	2	41.9	95.2	21	82.3	4.5	2	11.3	5.67	50.6	92	80.3	245	240	45
West Madison Research Station	3976	20133	2	47.4	97.2	31	81.9	3.9	1	12.2	5.96	49.2	110	96.7	529	263	51
West Madison Research Station	3977	20134	2	37.6	90.5	17	82.3	4.2	2	13.5	5.86	43.6	106	92.8	525	245	45
West Madison Research Station	3978	20135	2	40.1	97.0	23	81.2	n.d.	3	13.7	6.61	48.9	127	105.4	300	278	38
West Madison Research Station	3979	20136	2	39.2	90.5	16	79.3	n.d.	3	13.0	6.09	46.8	84	55.1	330	232	33
West Madison Research Station	3980	20137	2	42.5	95.5	24	80.8	5.4	1	13.8	6.53	47.4	83	90.4	307	285	31
West Madison Research Station	3981	20138	2	40.3	93.2	18	81.5	5.8	2	13.2	6.48	51.9	108	87.9	289	279	41
West Madison Research Station	3982	20139	2	36.4	93.5	21	82.1	5.4	1	11.7	5.99	51.8	96	103.2	251	263	42
West Madison Research Station	3983	20140	2	40.8	91.6	21	81.6	4.4	1	11.6	5.75	50.0	79	94.1	392	249	46
West Madison Research Station	3984	20141	2	41.1	95.7	18	82.2	n.d.	3	12.8	5.44	42.7	73	46.1	688	189	48
West Madison Research Station	3985	20142	2	42.9	96.3	19	82.0	n.d.	3	13.1	5.82	44.7	91	82.0	345	250	45
West Madison Research Station	3986	20143	2	45.7	95.1	19	79.7	2.5	2	13.7	5.31	39.8	96	73.5	483	210	37
West Madison Research Station	3987	20144	2	40.9	95.9	19	82.6	3.2	2	12.2	5.22	44.5	88	78.1	113	250	57
West Madison Research Station	3988	20145	2	35.7	89.7	15	80.1	n.d.	3	13.1	5.85	45.1	90	53.6	56	236	42
West Madison Research Station	3989	20146	2	41.2	95.0	10	78.6	n.d.	3	13.9	5.83	44.6	67	46.1	222	235	30
West Madison Research Station	3990	20147	2	36.5	90.1	9	79.9	4.4	1	13.1	6.05	46.9	136	96.5	210	282	43
West Madison Research Station	3991	20148	2	38.9	94.5	15	79.8	n.d.	3	11.9	5.22	44.7	61	48.9	561	201	45
West Madison Research Station	3992	20149	2	37.9	91.6	20	81.1	4.4	1	12.6	5.87	47.8	117	88.6	455	253	46
West Madison Research Station	3993	20150	2	37.4	91.4	20	80.3	5.1	1	14.0	6.26	45.9	119	100.0	253	298	35
West Madison Research Station	3994	20151	2	37.7	85.5	17	80.8	n.d.	3	12.7	6.53	53.4	90	80.8	57	299	39
West Madison Research Station	3995	20152	2	40.8	94.4	27	76.3	n.d.	3	15.4	5.92	38.7	55	40.3	775	196	21
West Madison Research Station	3996	20153	2	40.7	94.4	20	81.0	3.6	1	13.3	6.03	46.1	102	100.3	351	283	44
West Madison Research Station	3997	20154	2	42.1	96.0	24	81.5	3.5	2	13.2	5.58	43.0	96	65.8	567	222	50
West Madison Research Station	3998	20155	2	42.8	94.9	22	78.7	3.2	2	14.4	5.73	39.8	128	74.9	545	228	37
West Madison Research Station	3999	20156	2	43.0	96.7	26	79.3	n.d.	3	14.2	5.74	41.5	66	46.1	473	200	31
West Madison Research Station	4000	20157	2	38.2	93.7	30	75.6	3.9	1	12.4	4.64	37.6	35	31.5	826	152	26
West Madison Research Station	4001	20158	2	44.1	97.4	12	81.2	4.0	2	13.2	5.68	44.7	94	74.4	408	233	46
West Madison Research Station	4002	20160	2	39.6	96.8	23	83.5	4.1	2	12.0	5.85	51.1	77	90.0	304	245	43
	4003	CONRAD MALT CHECK	2	40.3	97.5	54	81.7	2.3	1	12.1	5.22	44.9	139	96.3	186	214	62
West Madison Research Station	4004	20161	2	36.1	94.6	22	79.8	n.d.	3	13.6	6.56	50.3	84	62.3	212	270	24
West Madison Research Station	4005	20162	2	41.8	97.9	26	81.2	3.5	1	14.3	6.42	45.8	116	110.2	265	321	42
West Madison Research Station	4006	20163	2	42.2	96.2	17	82.9	5.3	2	12.5	6.30	51.6	84	101.8	100	304	50
West Madison Research Station	4007	20164	2	38.6	92.5	20	83.5	3.6	1	12.2	5.72	48.7	91	100.1	302	257	44
West Madison Research Station	4008	20165	2	38.5	95.2	35	77.6	4.1	2	16.3	6.16	38.4	133	70.9	532	266	27
West Madison Research Station	4009	20166	2	42.9	96.0	21	82.7	3.7	2	12.4	5.61	47.9	90	95.6	497	244	46
West Madison Research Station	4010	20167	2	41.3	98.1	21	81.3	3.8	2	12.4	6.00	52.0	106	87.2	451	263	46
West Madison Research Station	4011	20168	2	38.0	97.1	12	76.9	5.4	2	16.5	7.04	42.9	116	78.9	72	313	34
West Madison Research Station	4012	20169	2	45.2	97.5	17	81.6	5.4	2	11.7	5.71	49.4	57	65.8	313	251	46
West Madison Research Station	4013	20170	2	42.6	96.9	10	81.9	n.d.	3	13.1	5.62	44.4	91	69.4	482	223	45
West Madison Research Station	4014	20171	2	38.6	97.8	21	81.6	3.9	2	12.5	6.00	49.5	97	77.8	174	255	43
West Madison Research Station	4015	20172	2	44.0	97.5	11	80.0	3.5	2	15.0	6.17	42.1	116	70.1	334	260	39
West Madison Research Station	4016	20173	2	43.6	96.5	20	81.2	3.5	2	12.7	5.48	43.4	93	62.7	390	234	55
West Madison Research Station	4017	20174	2	40.9	98.4	24	81.7	3.3	2	14.3	6.18	43.7	111	70.3	213	258	41
West Madison Research Station	4018	20175	2	37.5	95.4	17	83.3	3.0	2	13.0	5.57	44.3	132	93.6	463	248	52

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
West Madison Research Station	4019	20176	2	38.7	94.9	18	79.6	n.d.	3	12.7	5.17	40.3	60	35.6	558	176	36
West Madison Research Station	4020	20177	2	39.1	93.6	7	81.2	4.7	2	13.2	6.09	46.4	73	68.6	269	238	40
West Madison Research Station	4021	20178	2	41.2	92.1	20	81.9	7.7	2	12.9	6.10	50.7	77	57.1	79	240	49
West Madison Research Station	4022	20179	2	41.7	96.5	21	83.0	3.5	1	12.7	5.38	44.3	94	69.8	783	221	55
West Madison Research Station	4023	20180	2	41.1	93.3	21	81.8	2.7	1	12.8	5.50	43.6	108	87.8	498	222	59
West Madison Research Station	4024	20181	2	37.4	87.2	20	81.7	5.3	2	13.1	5.74	46.5	104	79.7	253	243	43
West Madison Research Station	4025	20182	2	45.4	97.1	17	82.9	3.3	1	13.5	5.64	45.1	93	67.9	524	229	47
West Madison Research Station	4026	20183	2	38.3	89.0	8	78.8	n.d.	3	14.1	5.98	42.2	68	55.4	272	219	29
West Madison Research Station	4027	20184	2	35.4	93.5	15	82.3	3.9	1	12.5	5.67	46.9	115	100.6	452	238	51
West Madison Research Station	4028	20185	2	40.9	96.3	20	81.9	n.d.	3	12.1	5.57	48.2	71	70.4	522	238	48
West Madison Research Station	4029	20186	2	36.0	93.0	22	82.8	4.5	2	12.2	5.75	48.9	102	97.4	316	274	45
West Madison Research Station	4030	20187	2	39.1	92.1	14	81.1	7.1	2	12.1	6.00	49.7	84	73.2	46	290	50
West Madison Research Station	4031	20188	2	38.0	93.8	2	81.8	5.5	1	13.1	6.08	47.9	128	82.7	109	283	44
West Madison Research Station	4032	20189	2	38.0	92.0	19	81.9	6.9	2	12.9	6.14	49.0	82	58.3	362	262	38
West Madison Research Station	4033	20190	2	43.4	97.6	24	82.5	3.7	1	12.7	5.92	47.4	115	83.2	239	272	51
	4034	CONRAD MALT CHECK	2	40.2	97.7	54	82.5	2.6	1	12.7	5.25	43.9	150	100.0	231	236	62
West Madison Research Station	4035	20191	2	45.0	97.3	20	80.3	4.2	1	14.4	5.82	41.7	58	60.4	548	247	39
West Madison Research Station	4036	20192	2	41.4	97.9	20	83.2	3.5	1	11.1	5.09	49.2	96	100.7	351	230	50
West Madison Research Station	4037	20193	2	37.5	92.4	14	81.1	n.d.	3	11.4	5.21	47.8	82	70.6	311	221	44
West Madison Research Station	4038	20194	2	44.6	98.1	18	81.7	n.d.	3	12.9	5.47	43.9	54	52.5	425	218	54
West Madison Research Station	4039	20195	2	38.0	92.8	17	81.8	4.4	1	13.0	5.81	46.4	110	85.7	332	255	53
West Madison Research Station	4040	20196	2	39.4	93.4	19	79.9	n.d.	3	12.0	5.16	43.7	75	49.3	388	182	43
West Madison Research Station	4041	20197	2	36.9	93.4	17	81.5	5.7	2	12.1	5.79	46.3	95	57.0	137	253	49
West Madison Research Station	4042	20198	2	41.3	94.7	26	81.2	n.d.	3	13.1	6.55	50.9	104	84.8	82	318	47
West Madison Research Station	4043	20199	2	38.9	92.6	22	79.5	7.1	2	13.4	6.69	50.6	104	81.9	35	295	43
West Madison Research Station	4044	20200	2	40.2	96.9	24	82.6	n.d.	3	12.8	5.36	42.6	79	64.1	926	233	53
West Madison Research Station	4045	20201	2	39.4	96.1	23	82.6	4.7	1	12.7	5.94	50.1	92	96.0	328	255	44
West Madison Research Station	4046	20202	2	39.3	91.2	20	80.1	n.d.	3	12.9	5.96	45.2	71	45.0	556	222	41
West Madison Research Station	4047	20203	2	39.7	93.2	15	83.5	3.7	2	11.8	5.29	47.7	70	69.0	578	237	47
West Madison Research Station	4048	20204	2	45.9	96.3	16	81.8	n.d.	3	11.5	5.53	48.3	58	71.6	537	248	49
West Madison Research Station	4049	20205	2	44.8	98.2	30	70.0	3.6	1	13.8	4.48	33.0	23	28.2	1232	134	19
West Madison Research Station	4050	20206	2	37.2	91.0	18	81.4	n.d.	3	12.8	5.97	48.0	74	56.2	314	263	40
West Madison Research Station	4051	20207	2	36.3	94.8	19	76.9	n.d.	3	13.9	5.60	40.5	51	28.5	505	177	17
West Madison Research Station	4052	20208	2	35.7	90.4	19	80.5	n.d.	3	12.4	5.47	42.4	58	40.0	571	182	37
West Madison Research Station	4053	20209	2	42.9	96.9	13	82.7	5.9	2	12.2	6.02	49.3	62	74.7	736	279	43
West Madison Research Station	4054	20210	2	39.7	96.6	17	81.9	4.6	2	14.6	5.84	40.5	111	83.7	597	268	42
West Madison Research Station	4055	20211	2	39.7	97.3	29	82.7	4.8	1	12.0	5.88	51.1	97	93.5	146	261	47
West Madison Research Station	4056	20212	2	37.7	94.4	14	81.1	5.0	1	12.9	5.43	42.2	84	67.3	367	237	51
West Madison Research Station	4057	20213	2	42.5	96.1	20	82.2	5.8	2	11.2	6.03	54.9	56	121.0	238	277	43
West Madison Research Station	4058	20214	2	36.8	93.1	10	81.8	5.3	1	10.2	5.43	53.8	46	99.9	344	258	41
West Madison Research Station	4059	20215	2	35.8	92.3	15	81.8	n.d.	3	11.7	5.47	46.9	66	56.4	250	226	49
West Madison Research Station	4060	20216	2	43.6	98.7	22	75.0	4.1	1	12.0	4.71	39.6	26	30.0	835	143	29
West Madison Research Station	4061	20217	2	42.2	97.9	31	82.6	3.3	2	12.9	5.70	46.8	75	73.4	315	215	51
West Madison Research Station	4062	20218	2	38.7	96.2	15	83.0	n.d.	3	10.5	5.37	52.0	46	82.7	433	240	41
West Madison Research Station	4063	20219	2	38.7	94.3	18	81.2	4.4	1	11.8	5.47	49.4	84	87.9	399	235	48
West Madison Research Station	4064	20220	2	39.5	91.2	12	80.6	n.d.	3	11.8	5.81	50.8	51	67.3	159	236	39
	4065	CONRAD MALT CHECK	2	39.8	97.7	54	82.1	2.1	1	12.6	5.19	45.7	149	99.7	215	206	60
West Madison Research Station	4066	20221	2	37.2	91.1	17	81.7	3.4	1	12.7	5.47	43.7	108	84.8	470	228	55
West Madison Research Station	4067	20222	2	38.6	94.8	25	83.0	3.6	2	11.4	5.33	47.4	75	74.3	343	204	47
West Madison Research Station	4068	20223	2	38.4	92.7	22	82.2	4.2	2	11.9	5.25	48.1	79	94.5	488	224	47
West Madison Research Station	4069	20224	2	41.7	97.6	14	81.8	n.d.	3	11.9	5.81	49.8	92	100.9	338	248	44
West Madison Research Station	4070	20225	2	42.0	96.2	19	81.5	n.d.	3	12.8	5.65	45.2	78	63.8	370	223	50
West Madison Research Station	4071	20226	2	37.7	94.3	22	79.9	n.d.	3	13.9	5.48	41.0	92	53.1	554	200	36
West Madison Research Station	4072	20227	2	41.4	93.3	16	80.5	n.d.	3	13.5	5.81	44.6	85	59.5	567	202	36
West Madison Research Station	4073	20228	2	37.9	94.3	22	80.3	n.d.	3	14.1	5.95	43.7	84	54.0	385	218	32

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
West Madison Research Station	4074	20229	2	37.1	94.0	21	81.8	n.d.	3	12.0	5.53	47.5	68	57.3	262	228	44
West Madison Research Station	4075	20230	2	40.1	95.2	20	81.8	n.d.	3	12.6	5.39	44.2	77	63.9	532	212	53
West Madison Research Station	4076	20231	2	42.4	95.3	22	82.1	n.d.	3	12.2	5.31	44.1	73	59.5	553	179	49
West Madison Research Station	4077	20232	2	37.1	93.1	29	80.8	3.7	1	15.0	6.52	43.4	111	74.1	313	269	35
West Madison Research Station	4078	20233	2	44.4	97.4	25	82.1	3.1	1	14.6	6.03	43.8	111	91.0	510	242	43
West Madison Research Station	4079	20234	2	39.5	95.5	22	83.3	3.8	1	11.5	5.36	49.7	95	105.0	333	206	48
West Madison Research Station	4080	20235	2	39.8	93.6	16	81.4	4.5	1	11.8	5.89	50.8	89	98.9	250	238	44
West Madison Research Station	4081	20236	2	42.8	98.5	24	82.2	4.1	2	12.9	5.84	46.2	104	79.3	431	246	55
West Madison Research Station	4082	20237	2	46.5	97.7	23	82.7	n.d.	3	11.2	4.90	44.5	46	54.6	599	177	49
West Madison Research Station	4083	20238	2	38.6	94.3	23	78.3	n.d.	3	13.5	5.54	42.5	41	38.2	380	161	28
West Madison Research Station	4084	20239	2	38.3	92.1	24	81.7	5.0	1	12.7	5.73	47.6	79	79.3	274	256	44
West Madison Research Station	4085	20240	2	34.4	92.2	19	82.8	n.d.	3	11.4	5.82	51.1	67	47.7	80	265	44
West Madison Research Station	4086	20241	2	42.6	96.3	17	83.0	n.d.	3	10.7	4.64	46.1	20	40.9	593	179	41
West Madison Research Station	4087	20242	2	42.1	97.3	15	81.2	5.4	2	12.3	4.94	40.6	74	51.4	540	194	55
West Madison Research Station	4088	20243	2	39.2	93.8	23	82.0	n.d.	3	11.2	4.84	45.0	70	46.7	558	191	48
West Madison Research Station	4089	20244	2	36.9	89.3	10	80.2	5.2	1	14.7	6.54	46.0	135	82.9	418	321	36
West Madison Research Station	4090	20245	2	35.2	90.2	20	83.4	5.9	2	11.6	6.12	53.5	76	81.0	73	308	45
West Madison Research Station	4091	20246	2	36.7	90.9	13	81.2	n.d.	3	12.3	5.47	44.6	70	58.8	216	232	49
West Madison Research Station	4092	20247	2	41.5	96.2	20	83.6	4.0	1	12.3	5.80	47.1	69	90.2	358	268	46
West Madison Research Station	4093	20248	2	41.7	97.2	18	84.1	3.8	2	11.1	5.34	51.0	93	77.8	367	243	49
West Madison Research Station	4094	20249	2	43.8	97.2	25	83.4	3.7	1	12.3	5.47	46.4	78	62.6	420	232	56
West Madison Research Station	4095	20250	2	40.3	95.6	9	83.7	n.d.	3	11.6	4.99	46.2	60	62.8	598	226	53
	4096	CONRAD MALT CHECK	2	40.9	97.7	54	82.5	2.2	1	12.7	5.23	42.9	134	96.4	195	232	62
West Madison Research Station	4097	20251	2	36.9	90.6	17	79.1	n.d.	3	12.7	5.40	45.8	41	35.0	304	194	36
West Madison Research Station	4098	20252	2	44.5	94.5	12	82.3	4.0	2	13.3	5.85	44.9	77	66.8	396	236	46
Crookston, MN	4099	6MS14_3502-056	6	30.6	67.9	18	79.3	2.6	1	13.3	4.85	38.1	166	62.5	314	192	46
Crookston, MN	4100	6MS14_3507-034	6	31.9	67.9	22	79.1	2.1	1	12.6	5.05	42.0	154	76.9	348	222	53
Crookston, MN	4101	6MS14_3514-047	6	31.3	74.5	25	79.3	2.4	2	13.1	4.89	38.3	178	62.3	390	204	50
Crookston, MN	4102	6MS14_3513-020	6	31.3	68.2	19	77.9	2.0	1	14.9	5.14	35.1	233	61.5	315	214	32
Crookston, MN	4103	6MS14_3502-012	6	28.8	59.8	24	79.5	2.3	1	13.2	4.91	39.6	180	71.6	277	208	46
Crookston, MN	4104	6MS14_3526-086	6	28.6	60.5	24	79.1	2.1	1	13.0	4.80	38.9	179	68.0	355	196	44
Crookston, MN	4105	6MS14_3513-109	6	30.8	77.7	28	79.6	2.1	1	14.3	5.28	38.0	203	77.1	254	227	45
Crookston, MN	4106	Tradition	6	33.5	90.5	26	78.6	1.9	1	14.8	5.06	35.2	205	56.4	350	209	41
Crookston, MN	4107	6MS14_3513-077	6	33.9	90.3	24	78.7	2.2	1	13.8	5.01	36.9	188	59.8	452	205	46
Crookston, MN	4108	Rasmusson	6	34.1	90.4	23	80.5	2.5	2	12.9	4.90	41.0	157	68.4	274	200	53
Crookston, MN	4109	6MS14_3511-043	6	29.7	75.8	30	77.7	2.5	2	14.4	4.90	35.2	220	56.5	258	187	27
Crookston, MN	4110	6MS14_3507-073	6	29.4	64.5	26	79.5	2.5	2	12.7	4.72	37.8	143	67.5	287	197	40
Crookston, MN	4111	6MS14_3513-090	6	32.7	85.1	23	78.5	2.1	1	14.6	5.13	35.3	217	64.4	406	206	41
Crookston, MN	4112	6MS14_3515-099	6	33.3	89.0	21	79.6	2.6	2	13.2	4.93	38.5	208	73.1	306	197	51
Crookston, MN	4113	6MS14_3504-085	6	30.9	74.7	21	77.9	2.4	2	13.6	4.45	33.9	150	54.9	484	163	31
Crookston, MN	4114	6MS14_3514-008	6	31.1	75.2	26	78.1	2.0	1	14.0	5.02	37.2	201	63.6	367	201	40
Crookston, MN	4115	6MS14_3501-115	6	32.3	78.5	25	78.8	2.0	1	13.7	4.84	36.3	159	68.3	427	194	42
Crookston, MN	4116	6MS14_3504-118	6	30.2	63.0	17	78.1	2.4	2	13.7	4.88	36.5	187	66.1	400	189	31
Crookston, MN	4117	6MS14_3511-112	6	32.6	80.5	24	78.2	2.2	2	13.3	4.77	36.0	197	66.7	420	187	39
Crookston, MN	4118	Quest	6	31.0	82.0	24	79.1	1.9	1	13.3	4.95	37.5	171	73.1	416	194	51
Crookston, MN	4119	6MS14_3513-086	6	33.1	83.2	23	79.1	2.1	1	13.8	5.00	37.0	226	80.0	347	204	49
Crookston, MN	4120	6MS14_3514-058	6	30.7	71.8	26	78.9	2.3	1	13.3	5.02	38.2	188	74.1	322	206	45
Crookston, MN	4121	Lacey	6	33.3	84.0	24	79.0	2.0	1	14.0	4.78	34.7	196	68.1	262	179	41
Crookston, MN	4122	6MS14_3517-071	6	30.8	78.7	20	77.8	2.3	2	13.7	4.75	36.2	173	52.6	399	191	34
Crookston, MN	4123	6MS14_3533-070	6	32.0	77.0	23	79.0	2.2	1	13.3	4.95	39.1	187	71.2	279	204	48
Crookston, MN	4124	6MS14_3526-024	6	31.5	74.2	22	78.6	1.8	1	13.1	4.80	38.2	197	77.7	384	193	43
Crookston, MN	4125	6MS14_3519-050	6	29.8	63.2	23	79.1	2.1	1	13.2	4.71	36.6	197	75.7	185	179	38
St. Paul, MN	4126	6MS14_3504-085	6	32.7	83.0	44	78.3	2.3	2	15.7	5.42	36.0	222	71.5	566	230	44
	4127	LACEY MALT CHECK	6	32.9	89.1	38	79.8	2.8	1	13.9	5.71	42.8	168	87.8	62	259	61
St. Paul, MN	4128	6MS14_3511-112	6	32.0	81.9	42	79.2	2.0	1	14.7	5.65	39.5	271	84.6	343	262	48

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	4129	Rasmusson	6	32.1	81.8	41	80.5	2.1	1	14.5	5.88	42.0	240	93.2	423	271	44
St. Paul, MN	4130	6MS14_3514-008	6	32.4	84.2	45	79.6	2.2	1	14.8	5.67	39.0	259	82.7	490	248	48
St. Paul, MN	4131	6MS14_3514-058	6	31.9	78.3	46	79.8	2.1	1	14.6	5.83	40.0	246	86.9	431	266	41
St. Paul, MN	4132	6MS14_3513-086	6	31.9	84.5	48	80.0	2.3	1	15.4	5.92	39.4	265	93.9	377	272	43
St. Paul, MN	4133	Quest	6	31.5	86.0	49	78.9	1.9	1	14.7	5.62	40.6	223	93.8	478	239	44
St. Paul, MN	4134	Rasmusson	6	32.8	84.6	44	80.0	2.1	1	14.4	5.69	40.2	231	94.2	411	263	48
St. Paul, MN	4135	6MS14_3513-109	6	31.6	84.5	49	79.7	2.2	1	14.3	5.77	41.6	214	100.1	388	268	43
St. Paul, MN	4136	6MS14_3517-071	6	27.9	62.2	42	77.5	1.8	1	15.1	5.56	38.4	263	74.7	405	246	28
St. Paul, MN	4137	6MS14_3526-086	6	29.9	70.8	48	79.1	2.0	1	14.1	5.60	41.0	205	93.6	514	240	40
St. Paul, MN	4138	6MS14_3533-070	6	32.2	77.9	45	80.0	2.0	1	14.6	5.79	41.9	232	93.3	389	264	42
St. Paul, MN	4139	6MS14_3513-077	6	31.5	87.0	47	79.0	2.1	1	15.5	5.90	39.7	228	83.6	409	280	40
St. Paul, MN	4140	6MS14_3504-118	6	31.5	77.4	41	78.6	2.2	1	14.7	5.58	38.6	260	77.0	460	239	42
St. Paul, MN	4141	6MS14_3514-047	6	31.4	80.5	43	79.8	2.1	1	14.7	5.71	39.5	272	86.1	430	260	43
St. Paul, MN	4142	6MS14_3513-090	6	30.9	80.6	46	78.3	2.1	1	15.4	5.99	39.5	259	89.4	462	262	40
St. Paul, MN	4143	6MS14_3526-024	6	31.6	80.7	44	78.5	2.2	1	15.0	5.77	39.1	212	94.8	475	263	40
St. Paul, MN	4144	Rasmusson	6	33.1	85.6	45	80.0	2.0	1	14.0	5.77	42.0	220	94.9	423	256	44
St. Paul, MN	4145	6MS14_3515-099	6	32.7	83.5	42	79.4	2.2	1	15.6	5.88	40.0	259	95.6	314	266	44
St. Paul, MN	4146	6MS14_3513-020	6	32.9	86.2	47	77.5	1.9	1	16.3	5.75	37.0	298	83.5	352	263	34
St. Paul, MN	4147	6MS14_3507-073	6	31.1	77.2	44	79.3	2.3	1	15.0	5.88	40.8	225	91.9	399	263	41
St. Paul, MN	4148	Tradition	6	31.1	85.1	58	78.2	2.0	1	15.8	5.86	37.3	240	75.1	427	245	40
St. Paul, MN	4149	6MS14_3502-012	6	30.8	83.6	42	79.5	2.2	1	14.5	5.81	40.9	221	90.3	484	245	43
St. Paul, MN	4150	6MS14_3519-050	6	30.4	75.8	40	80.1	2.4	1	14.1	5.69	41.7	210	98.4	317	243	45
St. Paul, MN	4151	6MS14_3507-034	6	35.2	84.7	43	78.9	2.5	1	14.9	6.14	42.7	214	100.1	454	263	43
St. Paul, MN	4152	6MS14_3502-056	6	31.2	78.8	36	80.2	2.7	1	14.1	5.94	42.6	208	94.2	373	255	46
St. Paul, MN	4153	Lacey	6	32.5	89.2	44	79.3	2.1	1	14.8	5.47	37.9	209	86.0	407	207	48
St. Paul, MN	4154	6MS14_3501-115	6	32.1	72.7	40	79.2	2.1	1	15.2	5.82	40.0	224	89.5	461	245	39
St. Paul, MN	4155	6MS14_3511-043	6	31.1	82.1	53	78.6	2.4	2	14.5	5.58	39.2	239	71.5	374	232	43
Wooster, OH	4156	Alba	6	33.7	84.0	58	77.6	2.3	1	12.1	4.29	36.4	98	64.1	461	139	29
Wooster, OH	4157	Strider	6	27.7	52.3	61	76.4	n.d.	3	11.9	3.94	34.9	52	44.9	637	112	14
	4158	LACEY MALT CHECK	6	33.4	89.1	43	79.6	3.1	1	13.9	5.67	43.6	166	87.8	68	242	65
Wooster, OH	4159	Verdant	6	32.4	83.1	54	77.5	2.3	1	13.4	4.48	34.3	111	63.3	605	149	29
Wooster, OH	4160	Buck	6	31.3	67.5	40	82.3	2.4	1	12.3	4.52	37.7	102	73.8	546	150	33
Wooster, OH	4161	Maja	6	25.4	40.1	64	76.9	2.5	2	13.4	4.74	38.1	182	70.8	368	178	25
Wooster, OH	4162	Charles	2	27.8	83.8	42	79.4	2.7	1	13.0	5.14	40.6	131	100.4	254	200	45
Wooster, OH	4163	Endeavor	2	29.9	62.2	45	79.7	2.3	1	12.2	4.80	41.1	129	95.7	334	182	48
Wooster, OH	4164	Wintmalt	2	38.0	93.3	53	78.7	2.5	2	12.0	4.20	36.1	120	55.4	445	126	39
Wooster, OH	4165	DH10.0860	2	30.5	87.0	46	80.7	2.8	1	12.8	4.99	41.6	108	77.2	85	210	57
Wooster, OH	4166	DH10.0777	2	32.8	91.6	44	80.9	2.8	1	12.5	5.34	45.2	135	106.1	58	229	62
Wooster, OH	4167	DH 10.1044	2	37.7	91.6	40	78.8	n.d.	3	12.4	4.35	35.2	199	45.3	260	124	33
Wooster, OH	4168	DH120228	2	32.3	84.7	50	80.1	2.7	1	12.8	5.42	44.5	159	106.0	99	228	57
Wooster, OH	4169	DH120276	2	33.8	90.6	45	79.3	2.2	1	13.0	4.76	37.6	139	68.3	262	175	37
Wooster, OH	4170	DH130004	2	39.5	97.2	50	80.6	2.3	1	13.1	5.03	40.9	134	77.5	202	217	52
Wooster, OH	4171	DH120412	2	41.3	95.0	40	79.6	2.3	1	12.6	4.90	40.5	175	89.6	211	198	59
Wooster, OH	4172	DH130939	2	41.7	95.9	43	79.8	2.4	1	13.7	5.21	40.2	132	94.3	303	217	49
Wooster, OH	4173	DH130718	2	39.3	94.2	38	79.9	3.3	2	12.6	4.98	39.7	141	82.6	147	192	54
Wooster, OH	4174	DH130765	2	41.6	97.0	37	80.2	2.7	1	13.5	5.47	42.2	198	83.2	97	225	56
Wooster, OH	4175	DH130910	2	37.8	91.3	61	79.3	2.1	1	12.9	4.63	37.5	139	59.1	294	161	42
Wooster, OH	4176	DH10.0925	2	32.9	84.2	52	78.8	2.7	2	12.3	4.22	37.3	112	55.1	373	130	29
Wooster, OH	4177	DH120203	2	36.4	91.5	46	79.3	2.5	1	13.4	5.48	42.5	207	95.5	90	222	54
Wooster, OH	4178	DH130735	2	40.3	93.4	54	79.2	2.4	1	13.1	5.20	41.9	198	77.9	186	207	51
Wooster, OH	4179	DH131038	2	42.2	94.4	42	77.8	2.6	1	14.9	5.15	36.3	185	61.7	256	172	33
Wooster, OH	4180	DH131127	2	41.3	94.2	47	77.9	2.3	1	14.4	4.77	33.4	147	51.4	366	157	32
Wooster, OH	4181	DH131288	2	41.1	97.5	48	78.9	2.2	1	12.4	4.38	37.3	146	67.2	373	147	42
Wooster, OH	4182	DH120593	2	44.0	93.5	48	74.7	n.d.	3	17.9	5.82	33.3	138	75.6	325	215	32
Wooster, OH	4183	DH140083	2	42.0	96.8	52	80.0	2.7	1	12.3	5.24	44.7	129	92.9	82	225	66

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Wooster, OH	4184	DH140088	2	34.6	73.5	50	82.3	2.3	1	12.0	4.70	40.1	91	72.2	397	174	41
Wooster, OH	4185	DH140182	2	41.3	96.1	48	80.5	2.5	1	13.0	5.40	44.6	156	88.5	70	226	66
Wooster, OH	4186	DH140184	2	43.0	96.1	51	79.3	n.d.	3	14.2	5.46	40.8	116	41.9	264	159	34
Wooster, OH	4187	Halcyon	2	33.9	79.6	50	78.4	2.0	1	13.6	4.84	37.5	143	57.2	455	147	27
Wooster, OH	4188	Hydra	2	36.3	95.0	48	78.4	1.9	1	12.9	4.23	34.3	84	52.3	579	117	31
	4189	CONRAD MALT CHECK	2	39.8	97.4	56	82.1	2.4	1	12.8	5.35	43.2	136	96.9	146	216	63
Wooster, OH	4190	Maris Otter 1	2	28.4	72.1	54	80.2	1.8	1	11.1	4.34	41.9	98	49.3	422	127	31
Wooster, OH	4191	Maris Otter 2	2	28.4	70.4	51	79.5	1.8	1	12.2	4.37	38.4	111	49.7	414	139	30
Wooster, OH	4192	Pipkin	2	27.6	62.0	37	77.8	n.d.	3	12.4	4.17	34.8	106	57.1	475	118	24
Wooster, OH	4193	Puffin-FPKWS	2	34.1	91.1	55	79.3	1.7	1	11.9	4.48	38.7	109	46.7	418	130	36
Wooster, OH	4194	Puffin-OH	2	34.2	93.1	48	78.2	1.8	1	13.2	4.33	35.1	97	44.2	485	126	23
Wooster, OH	4195	Signal	2	32.5	90.6	44	78.8	2.0	1	12.6	4.46	38.3	116	45.8	295	139	36
Wooster, OH	4196	2011-725-002	2	40.1	96.5	57	76.1	2.9	2	14.9	4.77	33.5	153	59.5	620	143	31
Wooster, OH	4197	Maja	6	23.8	38.4	65	77.8	2.7	2	11.3	4.45	41.3	167	68.8	169	162	27
Wooster, OH	4198	Ray	6	28.5	44.9	48	77.4	n.d.	3	12.6	4.22	34.2	95	58.4	672	113	19
Wooster, OH	4199	Thoroughbred	6	32.7	88.5	59	78.6	2.3	2	11.9	4.05	35.9	132	51.7	516	114	39
Crookston, MN	4200	09N2-95_22	2	42.6	98.7	25	82.9	3.8	1	11.8	5.61	50.7	104	111.0	97	235	58
Crookston, MN	4201	09N2-95_07	2	42.5	98.0	24	82.1	3.4	1	11.6	5.40	47.6	120	101.7	58	217	65
Crookston, MN	4202	09N2-95_10	2	43.8	98.2	23	83.1	3.5	1	11.8	5.45	48.4	106	97.9	97	221	62
Crookston, MN	4203	09N2-95_05	2	43.3	98.0	25	82.5	3.4	1	11.6	5.44	49.8	104	102.0	176	219	55
Crookston, MN	4204	07N2-24_19	2	44.8	97.3	26	81.8	3.0	1	13.6	6.09	45.2	167	91.4	173	232	46
Crookston, MN	4205	07N2-69_24	2	45.3	97.1	30	80.6	2.9	1	12.0	5.14	44.1	135	75.9	87	191	67
Crookston, MN	4206	08AB-52_06	2	30.5	62.1	27	78.9	3.6	1	11.4	5.26	46.8	120	88.4	109	197	50
Crookston, MN	4207	Lacey	6	45.6	98.1	23	82.2	3.2	1	11.6	5.20	46.5	95	83.9	275	195	50
Crookston, MN	4208	08AB-52_08	2	33.4	79.2	27	79.3	3.7	1	11.4	5.41	48.6	125	91.3	135	201	45
Crookston, MN	4209	07WA-16_05	2	41.5	96.3	31	77.9	2.3	1	14.1	4.83	35.4	114	70.7	376	154	29
Crookston, MN	4210	07N2-24_21	2	43.1	96.4	17	81.2	5.1	1	13.1	6.52	49.8	140	114.2	53	270	53
Crookston, MN	4211	07N2-69_11	2	42.8	94.3	30	82.4	3.9	1	12.8	5.92	47.7	127	108.0	83	250	61
Crookston, MN	4212	07WA-16_09	2	40.8	91.1	30	77.6	2.2	1	14.2	4.77	34.1	125	71.4	306	153	32
Crookston, MN	4213	07N2-24_05	2	44.4	96.5	24	81.2	3.4	1	13.5	5.94	45.5	169	103.3	66	234	56
Crookston, MN	4214	07WA-16_12	2	41.8	92.5	29	77.9	2.1	1	13.6	4.70	35.4	115	70.5	356	147	29
Crookston, MN	4215	07N2-24_15	2	42.4	97.9	23	80.8	3.6	1	13.7	6.31	46.3	162	102.3	86	252	50
Crookston, MN	4216	07WA-16_08	2	41.2	91.6	31	77.2	2.3	1	14.1	4.75	34.5	120	71.5	307	153	29
Crookston, MN	4217	08AB-52_13	2	33.0	70.6	29	78.8	3.4	1	11.6	5.22	45.5	128	88.4	180	201	47
Crookston, MN	4218	07N2-69_22	2	43.7	93.4	34	81.9	4.2	1	11.9	5.85	49.2	109	97.2	103	254	54
Crookston, MN	4219	Tradition	6	32.8	88.0	39	78.5	3.0	1	14.2	5.84	41.2	200	80.3	184	237	41
	4220	CONRAD MALT CHECK	2	40.0	97.3	53	82.3	2.3	1	12.6	5.13	43.3	132	89.0	172	231	60
Crookston, MN	4221	07N2-69_09	2	44.1	94.9	29	80.5	2.6	1	12.0	4.91	42.0	148	77.2	199	197	60
Crookston, MN	4222	07N2-69_23	2	42.8	94.7	27	80.0	2.6	1	12.0	4.71	39.8	144	78.2	196	191	55
Crookston, MN	4223	07WA-16_19	2	39.9	93.7	27	77.4	2.1	1	13.8	4.40	32.3	107	69.9	438	161	23
Crookston, MN	4224	Stander	6	36.8	95.3	26	79.7	3.8	1	14.0	5.91	43.3	167	88.7	329	302	49
Crookston, MN	4225	07WA-16_16	2	42.2	93.7	27	77.5	2.2	1	13.7	4.42	34.4	116	70.3	419	159	30
Crookston, MN	4226	07N2-24_08	2	45.4	98.6	27	79.9	2.9	1	13.8	5.59	41.2	153	87.2	152	242	50
Crookston, MN	4227	07N2-69_17	2	43.1	96.1	31	80.1	3.0	1	11.9	4.85	43.4	124	78.0	193	201	60
Crookston, MN	4228	09N2-95_21	2	41.6	96.2	27	82.1	2.7	1	11.9	4.96	42.6	116	89.5	144	221	62
Crookston, MN	4229	09N2-95_13	2	42.4	97.4	25	83.1	3.5	1	11.7	5.39	47.6	103	102.0	125	260	58
Crookston, MN	4230	07N2-69_02	2	44.2	97.0	30	81.5	3.8	1	12.1	5.49	48.5	104	87.6	123	258	58
Crookston, MN	4231	08AB-52_02	2	32.8	73.9	33	78.4	3.1	1	11.9	5.10	44.2	141	84.0	126	210	50
Crookston, MN	4232	Robust	6	36.1	97.1	24	79.1	2.7	1	14.6	5.38	38.1	179	64.9	323	230	48
Crookston, MN	4233	08AB-52_21	2	31.5	68.9	29	78.5	3.2	1	11.8	5.05	45.1	150	93.2	85	216	54
Crookston, MN	4234	08AB-52_04	2	33.5	81.3	28	78.4	3.1	1	11.8	4.76	41.4	141	82.8	110	197	50
Crookston, MN	4235	08AB-52_07	2	33.4	83.3	27	78.9	3.3	1	11.8	4.83	41.9	143	90.8	169	205	47
Crookston, MN	4236	07N2-69_14	2	44.1	96.4	25	80.8	2.7	1	12.0	4.73	40.5	137	74.1	248	186	58
Crookston, MN	4237	07N2-69_13	2	43.5	96.7	33	83.4	3.9	1	12.1	5.45	48.8	114	93.4	74	256	62
Crookston, MN	4238	07N2-24_12	2	44.5	96.0	24	81.1	3.1	1	13.6	5.68	43.2	148	99.1	130	249	52

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Crookston, MN	4239	07N2-24_01	2	43.1	96.0	21	80.3	2.8	1	13.9	5.49	41.6	166	88.2	105	238	53
Crookston, MN	4240	07N2-69_20	2	44.7	96.9	35	82.6	3.9	1	11.8	5.52	48.7	108	95.2	107	263	58
Crookston, MN	4241	08AB-52_20	2	33.3	78.2	32	78.8	3.1	1	11.4	4.83	42.8	123	82.3	224	198	47
Crookston, MN	4242	07N2-69_19	2	45.1	95.1	29	81.2	2.5	1	12.7	4.82	39.0	140	78.2	217	188	56
Crookston, MN	4243	07N2-69	2	44.1	97.0	32	81.8	3.2	1	12.4	5.04	41.8	115	86.0	179	212	60
Crookston, MN	4244	09N2-95_08	2	41.8	97.6	22	82.3	2.8	1	11.9	4.98	44.5	116	95.9	133	219	62
Crookston, MN	4245	07WA-16_06	2	42.0	96.1	27	78.4	2.0	1	13.1	4.32	34.8	126	67.8	374	150	38
Crookston, MN	4246	Pinnacle	2	45.2	97.7	19	81.8	2.8	1	11.3	4.56	41.1	113	74.5	382	170	55
Crookston, MN	4247	08AB-52_18	2	31.5	70.4	28	78.6	2.7	1	11.9	4.88	43.5	142	89.9	132	186	48
Crookston, MN	4248	07N2-24	2	44.2	98.4	25	80.7	2.6	1	13.5	5.47	42.1	164	91.4	199	223	50
Crookston, MN	4249	07WA-16	2	43.9	94.0	32	77.8	2.2	1	13.8	4.73	34.5	131	88.2	394	181	36
Crookston, MN	4250	08AB-52_23	2	34.3	86.8	25	79.1	2.7	1	11.7	4.84	42.7	150	87.3	101	193	53
	4251	CONRAD MALT CHECK	2	39.7	97.5	53	82.3	2.1	1	12.2	5.03	43.4	138	93.4	302	212	60
Crookston, MN	4252	07N2-24_18	2	45.2	97.6	26	81.7	2.7	1	13.2	5.66	43.9	182	107.3	124	240	57
Crookston, MN	4253	09N2-95_23	2	42.4	97.3	24	82.5	2.9	1	11.4	5.13	45.2	114	103.6	194	228	60
Crookston, MN	4254	07N2-24_13	2	44.6	96.3	23	81.2	3.7	1	13.1	6.18	47.1	152	109.3	55	278	53
Crookston, MN	4255	08AB-52	2	31.3	69.9	28	78.1	2.9	1	12.0	4.99	43.6	146	95.6	148	206	50
Crookston, MN	4256	07WA-16_03	2	41.5	92.8	31	78.5	3.0	1	13.7	5.65	43.2	111	106.6	163	255	39
Crookston, MN	4257	07WA-16_14	2	43.8	95.4	29	78.3	2.5	1	13.3	5.16	39.5	104	98.1	280	218	44
Crookston, MN	4258	07WA-16_13	2	41.6	96.1	31	77.3	2.1	1	14.0	4.47	34.0	120	74.6	355	163	32
Crookston, MN	4259	09N2-95	2	40.5	94.7	29	80.8	2.4	1	12.6	5.13	43.6	138	98.9	179	218	59
Crookston, MN	4260	07N2-24_14	2	43.6	96.5	21	80.6	3.3	1	13.6	5.83	45.1	158	111.6	142	257	49
Crookston, MN	4261	07N2-24_24	2	46.2	98.4	22	80.1	3.3	1	13.4	5.79	46.1	146	106.1	71	260	58
St. Paul, MN	4262	08AB-52_23	2	37.2	86.5	41	78.1	2.7	1	13.5	5.44	40.9	104	75.7	288	231	42
St. Paul, MN	4263	07N2-69_13	2	42.1	95.7	52	80.1	3.4	2	14.0	5.49	42.2	97	65.3	246	234	42
St. Paul, MN	4264	Robust	6	33.3	88.2	48	77.0	2.1	1	16.5	6.17	37.5	247	66.9	411	266	31
St. Paul, MN	4265	09N2-95_22	2	38.6	93.1	45	79.3	2.9	1	14.7	5.90	41.6	122	100.2	388	277	40
St. Paul, MN	4266	09N2-95_07	2	38.9	90.9	46	79.6	2.1	1	14.1	5.68	41.9	163	103.6	358	263	43
St. Paul, MN	4267	07N2-69_11	2	42.2	96.7	49	79.4	n.d.	3	13.9	5.43	40.5	107	57.5	207	230	45
St. Paul, MN	4268	07N2-69_23	2	43.7	95.7	46	79.2	1.8	1	13.8	4.90	36.4	168	73.5	299	199	42
St. Paul, MN	4269	07N2-69_22	2	44.2	97.6	45	79.2	3.3	2	13.9	5.48	40.3	105	64.3	227	236	43
St. Paul, MN	4270	07WA-16_14	2	38.3	77.5	49	74.8	n.d.	3	17.2	6.36	37.1	165	86.0	339	275	21
St. Paul, MN	4271	07N2-69	2	42.8	95.2	50	79.7	3.0	1	13.6	5.51	41.0	104	73.2	262	245	47
St. Paul, MN	4272	Pinnacle	2	39.9	90.2	43	79.0	2.2	1	13.7	5.11	38.6	99	69.8	490	202	32
St. Paul, MN	4273	Stander	6	34.6	88.8	46	76.8	3.7	1	16.4	6.69	41.7	200	74.7	332	316	31
St. Paul, MN	4274	07N2-24_05	2	37.8	89.3	42	77.3	2.0	1	15.0	5.58	39.0	175	88.5	324	235	31
St. Paul, MN	4275	07N2-69_14	2	43.7	97.6	50	79.0	2.3	1	13.2	5.25	40.4	121	79.6	314	221	52
St. Paul, MN	4276	08AB-52_18	2	35.6	84.5	43	79.0	2.2	1	13.4	5.20	41.3	117	75.6	361	221	39
St. Paul, MN	4277	07N2-69_20	2	42.5	97.3	51	79.2	3.8	2	13.5	5.53	42.0	79	60.1	197	237	44
St. Paul, MN	4278	07N2-24_12	2	36.7	83.4	46	76.2	n.d.	3	15.3	5.54	36.4	160	70.6	181	225	26
St. Paul, MN	4279	08AB-52_21	2	34.2	81.5	46	77.8	2.3	1	13.3	5.28	40.0	139	78.6	427	228	38
St. Paul, MN	4280	07N2-24_15	2	34.7	77.9	48	76.3	1.9	1	16.0	5.71	36.2	192	81.9	263	211	24
St. Paul, MN	4281	07N2-24_21	2	39.0	88.6	47	77.8	2.3	1	14.4	5.83	42.8	157	81.8	195	226	34
	4282	CONRAD MALT CHECK	2	40.7	97.6	55	81.7	2.1	1	12.2	5.22	44.3	144	91.9	189	230	62
St. Paul, MN	4283	08AB-52_02	2	37.0	91.3	42	77.4	2.6	1	13.6	5.71	43.4	111	73.8	362	242	31
St. Paul, MN	4284	08AB-52	2	35.3	83.3	40	77.3	2.4	1	13.9	5.39	41.1	108	69.8	426	216	30
St. Paul, MN	4285	07N2-24_24	2	38.1	87.0	40	77.8	2.0	1	14.9	5.41	36.7	146	74.6	251	200	33
St. Paul, MN	4286	07N2-69_17	2	42.2	96.3	46	79.6	2.0	1	13.5	5.18	40.8	143	73.5	224	218	50
St. Paul, MN	4287	Lacey	6	44.0	97.4	42	79.3	2.3	1	13.5	5.23	39.0	91	63.8	429	215	46
St. Paul, MN	4288	07N2-69_24	2	42.6	96.9	48	79.7	2.3	1	13.1	4.97	38.7	135	64.3	315	196	50
St. Paul, MN	4289	07N2-24_08	2	38.2	88.7	44	77.5	1.9	1	15.2	5.36	35.2	176	76.1	282	201	33
St. Paul, MN	4290	09N2-95_10	2	38.5	89.6	43	79.8	2.3	1	14.0	5.33	40.8	131	86.6	420	233	45
St. Paul, MN	4291	07N2-24_18	2	39.7	90.0	45	79.2	2.3	1	14.9	5.95	40.8	185	87.9	257	252	40
St. Paul, MN	4292	09N2-95_05	2	39.0	92.7	43	80.2	2.9	1	14.0	5.63	41.5	107	84.3	414	248	40
St. Paul, MN	4293	09N2-95_21	2	37.8	93.4	44	73.6	2.8	1	14.5	5.50	38.9	123	93.2	383	248	33

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St. Paul, MN	4294	07WA-16_08	2	38.7	77.6	46	78.9	2.2	1	17.8	5.34	31.3	153	74.7	538	197	34
St. Paul, MN	4295	07N2-24_13	2	39.9	90.4	43	77.6	3.8	2	14.3	5.96	41.8	124	66.4	196	238	35
St. Paul, MN	4296	08AB-52_04	2	34.8	85.5	40	78.9	2.9	1	13.9	5.18	37.9	95	64.8	442	207	28
St. Paul, MN	4297	07N2-69_02	2	41.1	97.3	54	74.0	n.d.	3	13.6	5.73	43.0	85	50.0	303	233	26
St. Paul, MN	4298	07WA-16	2	44.8	89.1	48	80.8	3.3	1	18.4	6.34	35.2	178	77.6	360	275	36
St. Paul, MN	4299	07N2-69_19	2	39.0	96.0	49	78.4	2.9	1	13.4	5.29	40.3	107	74.8	265	227	46
St. Paul, MN	4300	07N2-24_01	2	39.1	91.8	47	79.1	2.3	1	14.5	5.53	39.0	153	77.9	291	221	39
St. Paul, MN	4301	07N2-24_19	2	39.1	92.5	46	78.5	2.2	1	14.6	5.47	39.8	155	84.4	231	227	39
St. Paul, MN	4302	09N2-95	2	39.7	91.3	48	74.3	2.5	1	15.1	5.71	38.1	156	89.1	448	253	31
St. Paul, MN	4303	07WA-16_05	2	38.2	84.3	52	80.5	2.4	1	17.5	5.30	30.9	159	79.1	492	200	37
St. Paul, MN	4304	09N2-95_08	2	37.0	90.4	43	77.2	3.0	1	13.7	5.55	41.6	115	90.8	412	253	35
St. Paul, MN	4305	Tradition	6	33.3	86.0	56	77.8	2.7	1	16.1	6.12	39.1	212	63.2	389	264	35
St. Paul, MN	4306	08AB-52_07	2	35.5	88.3	42	73.5	3.1	1	13.9	5.52	41.4	109	71.3	426	233	33
St. Paul, MN	4307	07WA-16_06	2	39.5	80.4	51	78.3	2.2	1	17.4	5.26	30.9	168	73.9	523	194	34
St. Paul, MN	4308	07N2-24	2	39.4	90.7	44	78.6	2.7	1	15.0	5.50	36.8	152	69.2	291	229	39
St. Paul, MN	4309	08AB-52_06	2	35.9	87.2	47	78.1	3.0	1	12.5	5.17	42.2	98	67.2	459	223	43
St. Paul, MN	4310	08AB-52_20	2	36.7	89.8	43	80.1	3.3	1	13.9	5.50	42.5	77	65.6	402	235	36
St. Paul, MN	4311	09N2-95_23	2	40.7	95.1	44	78.8	3.2	1	14.0	5.81	41.9	109	78.3	395	268	39
St. Paul, MN	4312	07N2-24_14	2	39.8	92.0	44	79.1	3.4	1	14.6	5.95	42.1	130	69.8	181	239	40
	4313	CONRAD MALT CHECK	2	40.0	97.4	53	82.0	2.7	1	12.6	4.99	41.1	133	91.0	242	222	60
St. Paul, MN	4314	09N2-95_13	2	39.2	95.5	43	81.1	3.2	1	13.7	5.83	45.7	133	94.0	380	282	46
St. Paul, MN	4315	08AB-52_13	2	36.4	86.9	41	78.4	3.0	1	13.2	5.22	42.2	114	72.7	426	228	42
St. Paul, MN	4316	07N2-69_09	2	42.7	97.3	45	79.9	2.7	1	13.8	5.17	37.8	145	68.6	215	216	45
St. Paul, MN	4317	07WA-16_09	2	39.3	79.8	44	74.3	2.3	1	17.3	5.36	31.8	184	82.5	458	199	30
St. Paul, MN	4318	08AB-52_08	2	37.8	91.9	35	78.1	3.1	1	13.6	5.54	43.8	120	78.2	334	243	42
Bozeman, MT	4319	1 - Balster	2	45.7	99.9	76	83.1	2.6	1	11.7	4.63	40.5	148	97.4	218	191	63
Bozeman, MT	4320	3 - Copeland	2	46.5	99.9	77	80.7	2.3	1	11.5	4.56	41.0	166	95.4	38	164	62
Bozeman, MT	4321	4 - Genie	2	44.3	99.9	72	82.2	2.4	1	10.5	4.16	41.7	142	60.7	38	149	56
Bozeman, MT	4322	5 - Growler	2	44.7	99.9	86	82.0	3.0	1	12.0	4.78	42.8	129	98.8	68	205	70
Bozeman, MT	4323	6 - Harrington	2	43.2	99.9	82	81.7	1.7	1	11.2	4.69	45.7	124	83.5	234	174	58
Bozeman, MT	4324	8 - Hockett	2	50.1	99.9	86	81.4	2.0	1	12.4	4.80	41.3	153	85.8	346	171	58
Bozeman, MT	4325	9 - Metcalfe	2	39.0	99.9	85	82.0	2.1	1	12.6	5.14	43.6	157	102.3	46	223	67
Bozeman, MT	4326	10 - Odyssey	2	45.0	99.8	73	81.2	1.6	1	11.5	4.06	36.7	137	59.5	51	125	56
Bozeman, MT	4327	11 - Overature	2	44.4	99.9	68	82.1	2.1	1	10.6	4.55	44.6	142	76.6	63	164	60
Bozeman, MT	4328	13 - Synergy	2	44.8	99.9	83	82.4	2.2	1	11.2	5.19	48.4	137	105.5	28	223	65
Bozeman, MT	4329	15 - Westminster	2	46.3	99.9	67	82.6	1.7	1	11.0	4.39	41.6	139	79.9	20	140	56
Bozeman, MT	4330	16 - 08AB012-79	2	46.1	99.9	79	82.8	2.3	1	11.2	5.22	47.8	151	105.3	89	231	65
Bozeman, MT	4331	17 - 08ARS028-20	2	44.3	99.8	80	81.0	1.6	1	10.5	4.44	46.2	151	87.3	135	166	56
Bozeman, MT	4332	18 - 08ARS116-91	2	42.8	99.9	84	82.2	2.0	1	11.2	4.91	47.0	161	72.0	89	187	68
Bozeman, MT	4333	19 - 10WA-117.17	2	42.3	99.9	83	79.7	1.5	1	11.4	3.83	34.6	112	43.8	376	118	37
Bozeman, MT	4334	20 - 10WA-117.24	2	43.3	99.9	88	79.0	2.2	2	11.8	3.78	34.2	99	41.3	677	103	29
Bozeman, MT	4335	21 - 11WA-107.43	2	45.6	99.9	81	81.7	1.3	1	11.3	3.98	36.6	99	54.6	387	130	39
Bozeman, MT	4336	22 - ME 08032-156	2	46.4	99.9	79	82.1	2.6	2	11.4	4.59	43.5	122	65.5	83	191	69
Bozeman, MT	4337	23 - ME 08053-050	2	48.4	99.9	75	80.5	1.9	1	12.3	4.57	38.8	134	60.3	136	154	53
Bozeman, MT	4338	24 - MT080087	2	43.9	99.9	76	79.8	1.6	1	12.1	4.15	36.7	156	51.8	207	145	46
Bozeman, MT	4339	25 - MT080112	2	46.0	99.9	71	79.5	n.d.	3	11.6	3.91	35.9	70	39.7	517	117	27
Bozeman, MT	4340	26 - MT080243	2	44.4	99.9	80	81.3	1.9	1	11.5	4.86	43.9	129	79.3	208	194	63
Bozeman, MT	4341	27 - MT080370	2	48.4	99.9	75	79.1	2.6	2	12.3	4.30	36.3	69	59.5	226	149	35
Bozeman, MT	4342	28 - MT090182	2	44.5	99.9	83	79.9	1.7	1	11.0	4.12	38.8	151	62.6	329	136	46
Bozeman, MT	4343	29 - MT090190	2	47.0	99.9	80	80.8	1.8	1	11.2	4.43	41.1	151	68.4	175	166	55
	4344	CONRAD MALT CHECK	2	40.2	96.8	54	82.2	2.2	1	12.5	5.27	45.3	136	89.4	119	233	65
Bozeman, MT	4345	30 - MT090193	2	46.0	99.9	80	81.4	2.3	2	10.9	4.29	41.2	131	67.0	330	157	48
Bozeman, MT	4346	31 - MT100120	2	47.0	99.9	81	81.1	2.0	1	10.5	4.42	43.8	137	69.1	207	163	53
Bozeman, MT	4347	32 - MT100126	2	45.0	99.9	81	80.9	2.0	1	11.0	4.50	42.7	161	78.3	263	162	55
Bozeman, MT	4348	33 - MT124016	2	47.6	99.9	75	82.5	2.4	1	10.8	4.79	46.5	115	111.1	249	200	55

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Bozeman, MT	4349	34 - MT124069	2	48.2	99.9	69	81.9	2.2	1	11.8	5.13	45.6	138	90.1	198	206	63
Bozeman, MT	4350	35 - MT124073	2	48.0	99.9	71	81.5	2.2	2	11.8	5.18	45.7	149	88.6	181	206	62
Bozeman, MT	4351	36 - MT124112	2	46.7	99.9	84	83.1	2.1	1	10.9	4.99	47.7	118	133.9	120	225	53
Bozeman, MT	4352	37 - MT124118	2	47.6	99.9	85	82.0	1.8	1	11.6	4.76	42.9	118	117.9	232	198	60
Bozeman, MT	4353	38 - MT124243	2	45.8	99.9	75	81.5	1.7	1	10.0	4.07	42.3	131	63.7	187	127	49
Bozeman, MT	4354	39 - MT124411	2	46.1	99.9	76	81.6	2.2	1	12.1	5.13	44.4	134	106.6	366	217	63
Bozeman, MT	4355	40 - MT124454	2	50.0	99.9	75	81.9	2.4	1	12.1	5.17	44.7	128	95.1	265	210	63
Bozeman, MT	4356	41 - MT124457	2	49.5	99.9	72	79.8	1.6	1	12.2	4.36	37.1	162	64.5	317	143	46
Bozeman, MT	4357	42 - MT124555	2	47.0	99.9	66	80.5	3.0	3	12.0	4.29	37.4	84	66.8	231	137	37
Bozeman, MT	4358	43 - MT124582	2	46.7	98.3	81	79.8	1.6	1	11.0	4.14	39.4	161	67.9	515	135	46
Bozeman, MT	4359	44 - MT124645	2	44.9	99.9	77	82.0	3.6	1	12.1	5.51	47.7	123	104.9	108	228	61
Bozeman, MT	4360	45 - MT124663	2	42.1	99.9	80	82.2	2.2	1	11.6	5.03	45.6	126	118.6	191	215	63
Bozeman, MT	4361	46 - MT124673	2	48.0	99.9	77	81.7	2.5	1	11.5	5.07	46.3	99	116.2	215	225	56
Bozeman, MT	4362	47 - MT124688	2	47.0	99.9	69	80.6	n.d.	3	10.8	4.12	39.8	156	68.3	407	125	39
Bozeman, MT	4363	48 - MT124716	2	48.0	99.9	71	81.6	2.0	1	12.1	4.72	40.8	173	65.8	324	187	61
Bozeman, MT	4364	49 - MT124728	2	46.3	99.9	74	80.8	1.9	1	13.0	4.84	39.0	196	70.0	397	181	53
Pullman, WA	4365	13WA-128.12	2	42.1	90.2	84	77.4	1.8	2	13.1	3.95	32.2	83	50.9	835	142	23
Pullman, WA	4366	10WA-131.16	2	40.9	83.9	74	77.9	1.8	1	13.7	4.38	32.7	121	84.9	544	177	23
Pullman, WA	4367	11WA-107.24	2	42.6	93.1	82	78.9	1.3	1	13.0	3.83	30.7	97	55.5	684	126	33
Pullman, WA	4368	10WA-113.11	2	42.2	96.4	66	77.1	n.d.	3	12.3	3.73	30.9	64	44.2	743	119	24
Pullman, WA	4369	13WA-101.6	2	42.4	96.3	66	75.9	2.1	1	13.2	4.02	31.4	131	48.4	463	152	31
Pullman, WA	4370	13WA-128.10	2	43.3	95.8	71	77.8	1.5	1	13.3	4.23	32.7	109	77.3	508	164	31
Pullman, WA	4371	13WA-128.13	2	45.1	97.2	78	78.0	1.8	1	13.6	4.52	34.6	104	96.8	572	190	35
Pullman, WA	4372	13WA-128.3	2	42.3	95.1	79	78.1	1.7	1	13.2	4.28	33.2	113	87.5	542	174	35
Pullman, WA	4373	13WA-101.9	2	41.2	97.9	63	75.3	2.1	2	14.5	3.96	27.9	134	50.2	667	140	24
Pullman, WA	4374	13WA-101.7	2	41.9	97.7	61	75.2	2.2	2	14.2	4.02	29.6	121	47.9	871	142	24
Pullman, WA	4376	11WA-111.4	2	41.2	95.4	81	76.8	n.d.	3	13.0	3.67	29.7	56	42.5	774	115	18
Pullman, WA	4377	13WA-101.3	2	39.5	96.2	66	75.1	2.6	2	13.7	3.63	26.9	120	38.0	689	113	15
Pullman, WA	4378	13WA-103.7	2	39.2	96.9	64	75.1	2.1	2	13.9	3.65	26.7	50	50.3	1063	116	15
Pullman, WA	4379	13WA-101.11	2	41.7	98.1	63	75.3	2.1	2	14.4	3.99	28.7	146	54.7	619	159	24
Pullman, WA	4380	13WA-101.4	2	37.4	94.7	59	75.0	2.5	2	13.7	3.80	29.5	135	47.2	514	124	17
Pullman, WA	4381	13WA-101.8	2	37.8	93.0	65	74.8	2.0	1	13.9	4.10	30.0	125	53.4	556	150	24
Pullman, WA	4382	13WA-101.1	2	37.6	93.1	66	75.3	2.1	1	14.2	4.03	28.9	133	47.8	576	160	21
Pullman, WA	4383	13WA-101.5	2	40.6	94.9	81	76.1	1.8	2	13.9	3.81	27.6	147	45.2	373	137	21
Pullman, WA	4384	11WA-107.35	2	35.6	80.1	76	73.0	1.9	2	14.2	3.85	27.7	101	49.6	621	124	9
Pullman, WA	4385	Metcalfe	2	39.1	93.1	83	79.9	1.9	1	13.6	4.75	36.9	150	99.3	167	212	42
Pullman, WA	4386	CDC Copeland	2	37.4	89.5	85	78.6	1.6	1	13.7	4.56	33.6	147	76.7	127	179	33
Pullman, WA	4387	13WA-123.5	2	37.2	83.5	86	75.3	1.7	1	12.3	3.74	31.8	103	40.9	662	122	20
Pullman, WA	4388	11WA-107.20	2	43.2	95.7	78	78.3	1.9	2	12.8	3.81	30.5	80	45.6	903	127	29
Pullman, WA	4389	13WA-101.12	2	37.1	92.4	64	76.2	n.d.	3	13.2	3.85	29.6	119	41.1	460	121	18
Pullman, WA	4390	13WA-128.17	2	41.7	94.2	78	77.7	1.8	1	13.8	4.24	32.0	101	58.8	680	147	25
Pullman, WA	4391	11WA-111.11	2	41.5	94.5	77	76.6	1.9	1	12.2	3.73	31.5	90	48.2	570	113	25
Pullman, WA	4392	13WA-101.2	2	40.9	97.4	74	75.8	n.d.	3	13.2	3.81	29.1	131	43.0	485	113	25
Pullman, WA	4393	13WA-101.10	2	43.7	98.8	54	74.7	2.2	2	13.4	4.05	30.3	119	53.7	703	123	30
Pullman, WA	4394	10WA-131.18	2	42.2	95.5	86	76.1	1.5	1	13.6	3.76	29.8	113	51.1	861	115	23
Pullman, WA	4395	13WA-123.6	2	35.6	80.8	78	74.2	1.8	1	13.5	3.95	30.1	116	46.3	710	121	15
Pullman, WA	4396	13WA-135.11	2	43.2	93.6	80	75.6	1.5	1	13.8	3.88	29.2	101	40.2	726	124	20
Pullman, WA	4397	13WA-135.25	2	42.4	97.1	73	75.8	1.4	1	14.1	4.03	29.1	106	43.2	706	137	23
Pullman, WA	4398	13WA-135.12	2	43.1	98.5	66	76.7	1.5	1	13.6	4.01	30.1	131	56.6	329	128	29
Pullman, WA	4399	13WA-140.3	2	37.3	91.3	75	76.8	1.7	2	13.4	3.91	29.4	136	48.4	372	111	22
Pullman, WA	4400	13WA-136.2	2	37.0	82.5	89	78.4	1.7	1	13.6	4.67	35.9	127	76.2	228	202	32
Pullman, WA	4401	13WA-135.32	2	41.1	92.8	72	76.0	1.4	1	14.4	3.89	27.6	104	37.5	650	128	15
Pullman, WA	4402	13WA-128.5	2	42.1	92.3	71	75.6	1.3	1	14.8	4.05	29.0	101	52.3	598	139	26
Pullman, WA	4403	13WA-137.8	2	44.7	96.7	73	78.9	1.9	1	13.3	4.95	38.2	150	93.1	338	248	47
Pullman, WA	4404	13WA-149.7	2	44.8	96.0	66	79.2	1.8	1	13.4	4.77	36.1	152	96.4	271	206	47

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Pullman, WA	4405	13WA-137.1	2	44.5	98.4	61	77.0	1.7	1	15.5	4.68	31.8	140	65.9	341	203	38
	4406	CONRAD MALT CHECK	2	39.4	97.7	52	82.0	2.1	1	12.8	4.96	40.9	135	87.7	171	221	60
Pullman, WA	4407	13WA-135.30	2	41.0	94.5	70	75.7	1.7	1	14.6	4.07	28.4	115	48.4	622	145	22
Pullman, WA	4408	13WA-135.33	2	40.4	94.6	67	76.4	1.4	1	13.9	3.95	30.1	122	47.1	299	132	22
Pullman, WA	4409	13WA-140.2	2	40.7	92.3	82	77.8	1.8	1	13.5	4.13	31.7	125	50.9	473	140	28
Pullman, WA	4410	13WA-135.26	2	44.6	97.5	67	76.4	1.3	1	14.0	3.75	27.3	96	36.6	632	116	12
Pullman, WA	4411	13WA-135.18	2	42.0	96.2	68	76.3	2.1	2	13.5	4.00	29.9	118	45.9	347	128	22
Pullman, WA	4412	13WA-135.17	2	46.4	97.0	68	75.5	1.3	1	14.4	3.83	27.5	114	37.6	586	117	16
Pullman, WA	4413	13WA-149.2	2	42.8	97.1	81	78.4	1.4	1	13.8	4.12	30.4	140	55.6	322	140	33
Pullman, WA	4414	13WA-149.6	2	36.5	85.9	83	78.8	1.8	1	13.0	4.57	37.5	139	86.4	141	179	43
Pullman, WA	4415	13WA-136.1	2	37.5	85.4	95	78.9	1.7	1	13.1	4.65	35.7	134	70.4	317	182	38
Pullman, WA	4416	CDC Copeland	2	40.1	92.5	88	79.2	1.6	1	13.5	4.77	36.2	153	80.3	57	180	51
Pullman, WA	4417	13WA-135.14	2	46.8	96.7	68	75.7	1.2	1	14.2	3.76	27.6	100	37.0	597	115	16
Pullman, WA	4418	13WA-135.19	2	38.9	90.8	69	74.9	1.3	1	14.7	3.95	27.2	125	40.9	417	117	20
Pullman, WA	4419	13WA-135.5	2	44.7	97.8	71	76.6	1.5	1	14.5	4.03	28.3	108	45.0	500	131	23
Pullman, WA	4420	13WA-135.16	2	38.7	89.3	67	74.7	1.3	1	15.1	4.08	27.6	118	44.5	349	123	18
Pullman, WA	4421	13WA-135.3	2	42.0	94.6	68	76.2	1.3	1	14.1	4.05	29.7	112	44.5	333	123	23
Pullman, WA	4422	13WA-137.3	2	42.7	95.8	77	79.4	1.6	1	13.2	4.68	36.2	133	83.3	341	192	50
Pullman, WA	4423	13WA-128.9	2	43.9	97.4	74	78.3	1.7	1	14.4	4.82	33.7	109	80.5	411	202	39
Pullman, WA	4424	Metcalfe	2	42.5	98.0	74	79.2	1.8	1	13.8	4.93	37.0	137	80.7	113	201	45
Pullman, WA	4425	13WA-135.27	2	39.0	91.1	55	75.9	1.9	2	14.1	4.00	29.8	108	46.0	161	123	19
Pullman, WA	4426	13WA-135.15	2	43.4	95.6	59	76.2	1.3	1	13.8	4.01	29.8	114	43.1	389	124	23
Williston, ND	4427	CONLON	2	43.5	98.8	28	80.5	1.8	1	13.7	4.99	37.8	192	102.3	287	176	40
Williston, ND	4428	PINNACLE	2	41.4	95.1	34	80.8	1.9	1	12.8	4.54	37.0	167	87.6	233	168	49
Williston, ND	4429	LACEY	6	33.4	93.0	38	79.5	2.1	1	13.3	5.12	39.6	221	102.6	59	204	61
Williston, ND	4430	ND GENESIS	2	41.2	98.4	29	81.1	2.1	1	12.3	4.84	42.0	147	118.1	100	197	69
Williston, ND	4431	2ND34583	2	43.9	99.5	21	81.8	2.5	1	12.4	5.20	44.2	167	123.0	55	228	70
Williston, ND	4432	2ND34584	2	46.1	99.1	24	82.1	2.1	1	12.3	4.73	39.3	143	113.1	203	191	58
Williston, ND	4433	2ND34594	2	43.4	98.7	28	82.9	2.4	1	11.6	4.97	44.2	145	127.1	54	204	70
Williston, ND	4434	2ND34614	2	41.3	97.6	34	80.7	2.0	1	13.1	4.83	38.9	145	103.6	176	199	49
Williston, ND	4435	2ND34616	2	43.0	98.5	35	81.0	2.2	1	13.7	5.22	39.1	178	120.5	144	224	48
Williston, ND	4436	2ND34629	2	45.4	98.9	31	81.2	2.1	1	12.8	5.10	39.9	145	112.0	113	219	61
	4437	CONRAD MALT CHECK	2	40.2	97.2	54	81.2	2.3	1	11.9	5.10	45.6	131	96.5	175	219	62
Williston, ND	4438	2ND34634	2	46.6	99.3	30	82.4	2.5	1	11.9	5.09	44.6	147	116.6	40	231	70
Williston, ND	4439	2ND34647	2	44.6	98.3	33	83.0	2.2	1	12.3	5.01	43.3	221	129.9	50	218	70
Williston, ND	4440	2ND34697	2	46.9	99.0	33	82.5	2.4	1	11.6	5.29	48.5	171	137.3	80	253	65
Williston, ND	4441	2ND34729	2	42.5	97.9	36	81.8	2.4	1	11.9	5.28	44.9	191	130.8	38	236	70
Williston, ND	4442	2ND34781	2	40.5	96.1	32	81.2	1.8	1	13.0	4.75	38.6	174	88.9	162	189	50
Williston, ND	4443	2ND34783	2	40.4	97.1	42	80.9	1.9	1	13.7	5.05	39.4	157	84.3	90	219	51
Williston, ND	4444	2ND34784	2	41.0	97.0	36	80.2	1.9	1	13.5	4.57	36.1	151	77.7	99	183	49
Williston, ND	4445	2ND34827	2	45.0	99.1	30	81.9	2.3	1	11.6	4.84	43.4	185	104.2	36	197	70
Williston, ND	4446	2ND34867	2	40.2	98.1	13	80.2	2.3	1	12.5	4.67	38.8	140	61.7	29	192	61
Williston, ND	4447	2ND34868	2	40.1	98.0	21	81.3	2.3	1	12.2	4.69	39.4	139	80.0	39	200	64
Williston, ND	4448	2ND34870	2	40.0	97.6	25	82.9	2.2	1	11.8	4.72	40.7	129	94.9	39	190	67
Williston, ND	4449	2ND34875	2	47.9	98.8	41	82.6	2.0	1	12.7	4.81	40.6	162	98.7	168	200	63
Williston, ND	4450	2ND34884	2	40.6	96.8	31	81.8	2.4	2	13.1	4.58	36.3	172	100.0	80	176	53
Williston, ND	4451	2ND34889	2	43.2	98.0	29	81.6	2.5	1	12.8	5.24	42.6	160	93.9	58	233	70
Williston, ND	4452	2ND34954	2	46.1	99.0	33	82.7	2.3	1	12.1	4.96	43.1	183	95.1	101	223	66
Williston, ND	4453	2ND34960	2	45.1	99.1	31	82.0	2.1	1	12.0	4.82	42.2	167	90.8	142	219	66
Williston, ND	4454	2ND34962	2	45.9	99.4	31	82.8	2.3	1	12.0	5.06	44.4	172	102.7	46	215	70
Williston, ND	4455	2ND34983	2	41.7	98.6	29	80.9	1.8	1	13.2	4.63	36.3	188	94.1	171	184	47
Williston, ND	4456	2ND34999	2	42.5	98.6	36	81.7	1.8	1	12.8	4.82	39.5	146	71.2	162	206	58
Williston, ND	4457	2ND35001	2	42.7	98.2	35	81.7	2.4	1	13.3	4.88	39.7	158	80.3	70	218	60
Williston, ND	4458	2ND35013	2	40.7	94.3	36	80.1	1.8	1	12.8	4.87	38.0	142	78.3	123	184	55
Williston, ND	4459	2ND35025	2	45.4	98.4	34	83.0	2.8	1	12.4	5.54	48.1	117	109.6	102	294	58

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Williston, ND	4460	2ND35027	2	42.8	97.9	34	81.4	2.2	1	13.5	5.38	40.9	157	102.8	167	259	58
Williston, ND	4461	2ND35028	2	46.7	98.9	31	81.9	2.0	1	12.5	4.94	41.6	156	82.1	117	227	66
	4462	LACEY MALT CHECK	6	33.3	89.8	43	80.2	3.4	2	13.4	5.70	43.6	146	79.1	70	269	69
Crookston, MN	4463	LCS Genie	2	38.7	93.0	21	82.3	2.1	1	11.9	4.45	40.9	136	65.5	97	173	62
Crookston, MN	4464	Robust	6	32.1	84.0	28	79.1	1.6	1	13.6	4.65	35.0	181	52.4	333	190	44
Crookston, MN	4465	MS13_5554-002	6	32.6	87.9	32	79.4	1.6	1	12.7	4.66	38.3	167	68.4	265	196	49
Crookston, MN	4466	MS12_4145-016	6	31.6	92.7	34	79.0	1.6	1	14.6	5.03	36.8	185	71.3	334	208	43
Crookston, MN	4467	ND Genesis	2	42.2	97.8	29	82.3	2.1	1	11.8	4.71	42.4	124	76.4	244	187	61
Crookston, MN	4468	S6M167	6	32.3	79.3	36	80.0	1.8	1	13.5	4.88	36.8	189	70.6	265	207	52
Crookston, MN	4469	Lacey	6	34.8	94.8	31	79.9	2.0	1	13.0	4.71	37.2	178	63.6	223	170	46
Crookston, MN	4470	Conlon	2	41.9	97.1	29	80.1	1.8	1	13.7	4.53	35.1	146	68.9	347	167	39
Crookston, MN	4471	S6M166	6	30.4	86.6	32	80.6	2.3	1	13.0	5.17	40.7	173	61.7	169	224	56
Crookston, MN	4472	MS13_5545-005	6	32.8	83.9	30	79.2	2.2	1	13.8	5.19	39.6	179	58.4	384	214	49
Crookston, MN	4473	MS13_5524-023	6	32.9	86.0	31	79.6	2.2	1	14.6	5.50	39.7	185	70.7	271	230	48
Crookston, MN	4474	MS10S4111-01	6	31.6	63.9	32	85.5	n.d.	3	13.2	5.89	47.0	139	52.1	51	241	55
Crookston, MN	4475	S6M164	6	33.7	95.6	37	79.8	1.9	1	12.7	4.63	36.8	214	66.7	224	173	46
Crookston, MN	4476	S6M169	6	32.0	82.8	31	78.2	1.9	1	14.2	4.98	36.6	203	71.2	214	199	36
Crookston, MN	4477	MS13_5533-011	6	32.4	91.4	26	78.1	1.6	1	15.2	5.11	35.3	261	68.2	290	209	38
Crookston, MN	4478	MS13_5525-017	6	33.1	78.6	32	78.2	2.0	1	14.6	5.27	36.4	204	68.3	362	225	43
Crookston, MN	4479	MS10S4115-03	6	29.0	58.9	19	84.8	1.9	1	14.2	4.67	35.3	180	66.0	414	166	28
Crookston, MN	4480	Tradition	6	33.3	90.6	32	79.1	1.8	1	13.9	4.91	37.0	205	58.9	352	206	49
Crookston, MN	4481	Celebration	6	30.7	79.0	29	79.7	2.6	1	14.4	5.58	40.5	203	62.4	51	254	52
Crookston, MN	4482	ABI Balster	2	32.4	81.1	37	80.8	2.6	1	13.7	5.58	42.8	158	96.1	172	252	40
Crookston, MN	4483	Quest	6	32.5	87.1	28	79.7	1.8	1	13.5	5.05	40.3	187	70.7	371	222	54
Crookston, MN	4484	MS13_5529-023	6	31.7	86.0	32	78.8	1.9	1	14.1	5.12	38.5	222	63.6	459	207	40
Crookston, MN	4485	MS13_5521-022	6	31.3	86.3	30	79.3	1.9	1	13.8	5.07	39.4	210	72.2	341	220	48
Crookston, MN	4486	LCS Odyssey	2	36.4	90.3	27	81.0	2.3	1	12.4	4.55	38.1	111	64.4	90	155	52
Crookston, MN	4487	MS13_5554-021	6	31.4	83.2	31	79.8	1.9	1	14.4	5.14	36.9	238	63.8	167	216	46
Crookston, MN	4488	AC Metcalfe	2	32.4	72.1	35	80.0	2.1	1	14.7	4.55	32.5	189	91.3	484	154	30
Crookston, MN	4489	2ND28065	2	38.7	94.6	23	81.7	1.9	1	12.3	4.95	42.1	125	65.8	176	192	60
Crookston, MN	4490	MS13_5545-015	6	32.6	86.8	36	79.1	2.4	1	13.3	4.94	37.3	177	60.9	473	196	52
Crookston, MN	4491	AAC Synergy	2	38.2	94.6	26	82.5	2.6	1	12.6	5.59	45.3	139	102.3	40	234	67
Crookston, MN	4492	M160	6	32.6	87.0	29	79.8	2.3	1	13.0	4.94	38.8	172	75.3	192	207	54
Crookston, MN	4493	Innovation	6	33.9	92.8	33	80.3	2.0	1	13.8	5.01	37.5	185	69.8	387	208	49
Crookston, MN	4494	S6M170	6	34.8	97.1	32	78.1	1.8	1	14.4	4.92	34.3	175	62.1	349	195	36
Crookston, MN	4495	ABI Growler	2	36.9	89.1	33	81.1	3.2	1	12.8	5.43	43.6	146	102.4	159	248	56
Crookston, MN	4496	S6M168	6	33.1	90.4	29	80.1	2.1	1	12.5	4.85	39.0	145	71.8	356	191	52
Crookston, MN	4497	MS13_5564-013	6	31.1	76.2	26	79.4	2.1	1	12.6	4.80	40.5	171	66.3	316	192	46
Crookston, MN	4498	Pinnacle	2	36.0	87.5	28	80.4	1.9	1	11.7	4.50	39.0	127	67.3	308	173	43
Crookston, MN	4499	CONRAD MALT CHECK	2	40.2	96.8	54	81.7	2.1	1	12.8	5.25	42.6	151	83.8	169	227	62
Crookston, MN	4500	Rasmusson	6	32.1	83.0	35	80.5	1.9	1	13.0	5.00	39.4	198	69.4	248	211	54
Crookston, MN	4501	MS13_5545-015	6	32.4	84.4	47	78.4	2.0	1	16.1	5.83	38.1	228	79.6	453	264	41
Crookston, MN	4502	MS13_5533-011	6	29.4	84.0	44	77.8	1.9	1	16.1	6.03	38.1	239	80.4	356	269	32
Crookston, MN	4503	S6M167	6	29.9	65.8	55	78.7	2.0	1	14.0	5.78	41.3	246	88.2	329	266	38
Crookston, MN	4504	Innovation	6	30.9	79.1	47	80.2	2.0	1	14.7	5.98	41.6	215	87.3	496	261	41
Crookston, MN	4505	ND Genesis	2	40.5	94.1	37	82.0	2.4	1	13.0	5.58	44.8	146	98.1	302	239	57
Crookston, MN	4506	MS13_5554-002	6	30.9	77.5	44	79.3	2.2	1	14.0	5.71	42.3	181	86.9	423	253	46
Crookston, MN	4507	S6M164	6	31.0	90.1	46	79.4	2.0	1	14.1	5.72	41.4	230	88.4	387	246	43
Crookston, MN	4508	MS13_5554-021	6	30.2	80.0	44	80.1	2.0	1	13.9	5.76	41.3	196	82.0	319	256	48
Crookston, MN	4509	Celebration	6	29.9	78.8	45	80.5	2.8	1	15.6	6.52	44.3	199	94.5	180	324	41
Crookston, MN	4510	Tradition	6	31.5	84.2	53	78.9	2.1	1	15.0	5.96	40.6	243	77.8	319	267	40
Crookston, MN	4511	S6M169	6	32.6	85.6	45	78.7	2.0	1	15.4	5.87	39.8	184	90.5	406	263	41
Crookston, MN	4512	MS13_5524-023	6	31.4	79.1	47	78.4	2.0	1	16.0	6.26	40.0	207	92.9	261	289	35
Crookston, MN	4513	Quest	6	30.7	81.5	42	79.1	1.8	1	14.2	5.59	40.1	215	93.8	481	242	47
Crookston, MN	4514	ABI Balster	2	36.6	86.6	47	80.7	2.3	1	15.6	6.00	40.3	166	101.8	347	274	36

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Crookston, MN	4515	MS12_4145-016	6	29.6	80.2	58	78.5	1.7	1	15.5	5.72	37.6	199	86.6	422	246	38
Crookston, MN	4516	MS13_5521-022	6	31.2	83.5	35	80.5	2.0	1	15.1	6.08	40.9	207	98.4	399	277	40
Crookston, MN	4517	MS13_5529-023	6	30.5	87.6	50	79.3	1.5	1	14.9	5.72	39.2	225	83.3	471	241	43
Crookston, MN	4518	AC Metcalfe	2	35.7	85.1	42	80.0	2.0	1	16.7	6.04	38.1	201	98.9	165	255	31
Crookston, MN	4519	Pinnacle	2	40.0	92.3	33	82.1	1.9	1	12.4	5.00	40.9	110	79.1	362	194	59
Crookston, MN	4520	LCS Genie	2	40.6	94.8	20	80.1	1.8	1	15.4	5.76	39.4	214	79.7	72	234	47
Crookston, MN	4521	S6M170	6	30.1	80.7	51	78.3	1.6	1	14.6	5.54	38.6	160	80.8	380	230	44
Crookston, MN	4522	MS10S4115-03	6	30.6	81.6	40	84.2	n.d.	3	16.1	5.62	36.5	192	73.4	427	224	45
Crookston, MN	4523	MS13_5564-013	6	30.5	74.9	35	79.1	1.8	1	14.8	5.74	40.8	183	87.3	488	244	41
Crookston, MN	4524	MS13_5525-017	6	32.2	75.4	51	77.7	1.8	1	16.3	6.01	38.8	196	83.7	420	253	29
Crookston, MN	4525	LCS Odyssey	2	40.9	94.7	28	80.4	1.8	1	14.3	5.28	37.1	141	75.6	121	207	47
Crookston, MN	4526	Lacey	6	31.2	79.0	44	78.9	1.6	1	15.3	5.54	37.3	209	86.3	327	227	42
Crookston, MN	4527	Robust	6	30.6	77.9	43	78.1	1.6	1	15.4	5.75	37.6	227	74.3	388	254	35
Crookston, MN	4528	M160	6	29.4	73.0	43	78.3	1.8	1	14.0	5.45	40.6	175	89.2	365	214	45
Crookston, MN	4529	Rasmusson	6	32.2	76.0	41	79.4	2.0	1	13.8	5.78	42.1	204	88.8	399	257	52
Crookston, MN	4530	CONRAD MALT CHECK	2	40.3	97.0	53	81.0	2.3	1	12.4	5.20	42.7	131	88.7	210	209	62
	4531	MS10S4111-01	6	30.3	62.4	32	83.1	n.d.	3	14.9	5.08	34.4	180	70.6	587	186	31
Crookston, MN	4532	S6M166	6	30.2	80.0	40	79.9	2.8	1	14.3	6.08	42.8	187	88.7	335	266	45
Crookston, MN	4533	ABI Growler	2	38.5	89.5	46	79.3	2.8	1	15.0	6.28	43.7	168	112.1	165	279	35
Crookston, MN	4534	2ND28065	2	36.4	88.8	30	80.2	1.8	1	14.5	5.42	39.1	120	74.0	399	215	38
Crookston, MN	4535	S6M168	6	31.2	80.7	45	78.7	1.8	1	14.7	5.50	37.6	193	87.5	541	210	44
Crookston, MN	4536	AAC Synergy	2	38.3	88.2	40	80.4	2.4	1	14.4	6.48	47.0	165	110.5	171	285	33
Crookston, MN	4537	MS13_5545-005	6	30.9	78.4	50	77.9	2.0	1	16.3	6.18	38.5	227	82.8	319	257	32
Crookston, MN	4538	Conlon	2	40.2	93.8	44	78.8	2.0	1	15.6	5.69	38.4	169	87.8	489	222	37
Pullman, WA	4539	12WA-126.5	2	44.5	98.0	68	79.1	1.6	1	11.0	3.89	36.3	90	49.6	157	130	30
Pullman, WA	4540	12WA-100.10	2	40.8	95.4	90	80.4	1.7	1	11.5	4.46	41.1	103	57.4	328	167	51
Pullman, WA	4541	AC Metcalfe	2	41.5	97.3	80	81.1	2.5	1	12.0	5.17	43.3	128	98.0	72	232	69
Pullman, WA	4542	12WA-101.8	2	43.9	96.9	76	80.3	1.5	1	12.7	4.33	35.5	119	52.9	437	158	43
Pullman, WA	4543	11WA-107.4	2	45.9	96.7	77	77.9	1.3	1	12.9	3.79	30.9	89	48.9	529	124	26
Pullman, WA	4544	12WA-109.7	2	40.6	89.0	74	75.2	1.5	1	13.1	3.85	31.8	83	41.4	373	116	18
Pullman, WA	4545	12WA-120.23	2	44.7	96.1	75	78.2	1.7	1	13.2	4.35	34.7	112	62.6	384	161	35
Pullman, WA	4546	10WA-116.14	2	39.9	94.0	76	74.8	2.0	2	14.0	4.00	29.1	106	43.4	241	118	19
Pullman, WA	4547	11WA-113.10	2	40.5	96.3	87	76.8	1.5	1	14.7	4.62	32.4	176	75.5	229	157	32
Pullman, WA	4548	12WA-122.3	2	34.6	94.3	71	78.9	1.9	1	13.2	4.66	37.5	151	93.6	244	192	42
Pullman, WA	4549	11WA-107.36	2	40.7	94.2	67	75.9	1.5	1	14.2	4.01	30.1	127	66.1	474	123	28
Pullman, WA	4550	12WA-105.2	2	40.4	93.9	64	74.4	1.8	1	14.9	4.18	28.5	135	59.4	483	142	28
Pullman, WA	4551	12WA-118.4	2	42.7	95.0	70	76.9	1.8	1	14.2	4.54	32.3	141	72.7	312	163	33
Pullman, WA	4552	10WA-131.10	2	36.4	84.6	70	75.2	1.4	1	14.3	3.75	26.2	125	55.2	415	108	16
Pullman, WA	4553	12WA-120.6	2	43.6	89.6	74	76.4	1.7	1	15.2	4.68	31.9	152	73.2	386	178	31
Pullman, WA	4554	12WA-105.4	2	41.6	91.6	67	75.2	1.7	1	14.2	4.10	30.6	128	51.7	522	127	28
Pullman, WA	4555	10WA-111.24	2	43.4	96.1	76	77.5	1.8	1	13.6	4.07	31.7	115	62.1	553	126	26
Pullman, WA	4556	11WA-107.50	2	39.2	88.0	66	75.1	1.7	1	14.1	3.92	29.9	122	56.2	534	112	21
Pullman, WA	4557	12WA-126.10	2	42.6	93.8	67	76.8	1.5	1	13.1	4.03	31.7	119	50.6	317	120	31
Pullman, WA	4558	12WA-105.10	2	41.6	93.4	65	76.6	1.5	1	12.8	4.01	32.9	113	57.6	416	127	35
Pullman, WA	4559	12WA-105.6	2	40.2	90.0	71	76.8	1.6	1	11.4	3.79	35.4	109	48.4	328	112	29
Pullman, WA	4560	11WA-107.22	2	47.7	99.0	67	78.9	1.6	1	12.2	4.11	35.5	106	62.5	369	133	40
Pullman, WA	4561	LACEY MALT CHECK	6	33.3	90.2	42	79.5	2.7	1	13.1	5.64	44.3	180	87.6	50	243	70
	4562	12WA-120.8	2	47.6	97.6	75	79.9	1.9	1	12.2	4.57	39.7	107	81.4	299	183	50
Pullman, WA	4563	11WA-111.9	2	41.5	97.1	74	77.9	1.8	1	11.5	3.76	33.7	96	55.0	215	107	28
Pullman, WA	4564	11WA-107.56	2	44.3	96.5	75	78.3	2.3	1	11.8	3.82	33.9	87	55.0	457	113	33
Pullman, WA	4565	11WA-107.19	2	43.4	97.0	77	76.8	1.5	1	13.1	3.95	32.0	101	55.3	490	119	28
Pullman, WA	4566	11WA-107.16	2	44.4	96.5	72	77.7	1.5	1	13.8	4.12	31.3	113	61.2	541	128	26
Pullman, WA	4567	12WA-100.4	2	39.5	92.3	81	77.2	1.8	1	13.9	4.55	34.8	152	66.5	206	151	30
Pullman, WA	4568	11WA-107.31	2	38.0	95.0	61	75.9	2.3	1	12.8	3.61	30.2	90	45.8	571	101	23
Pullman, WA	4569	11WA-111.2	2	41.0	94.8	71	77.0	2.6	2	12.2	3.58	29.9	79	47.2	512	85	24

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Pullman, WA	4570	CDC Copeland	2	41.7	97.3	76	79.8	2.0	1	13.0	4.82	38.5	136	91.3	48	190	61
Pullman, WA	4571	10WA-131.2	2	38.3	92.7	75	77.9	1.5	1	12.7	4.01	33.1	110	72.4	417	127	33
Pullman, WA	4572	12WA-101.20	2	47.8	98.2	72	78.0	1.3	1	13.2	3.94	31.6	106	58.3	554	118	32
Pullman, WA	4573	12WA-109.12	2	42.7	93.5	67	75.6	1.6	1	13.0	3.85	31.2	88	47.9	470	107	21
Pullman, WA	4574	10WA-111.23	2	45.4	98.5	73	77.8	2.2	2	12.7	3.94	33.1	108	57.9	600	109	32
Pullman, WA	4575	12WA-101.12	2	32.5	97.5	66	78.0	2.1	2	12.0	3.84	33.2	105	54.3	522	109	31
Pullman, WA	4576	12WA-120.11	2	45.2	98.0	54	75.8	1.6	1	13.8	3.93	29.3	125	52.0	529	116	26
Pullman, WA	4577	12WA-126.8	2	42.2	97.8	50	75.8	1.6	1	14.3	3.94	27.7	125	51.5	268	116	26
Pullman, WA	4578	11WA-107.14	2	43.0	98.7	63	77.3	1.6	1	13.4	3.98	29.9	98	58.5	473	114	24
Pullman, WA	4579	12WA-126.6	2	43.9	98.3	48	75.6	2.3	1	14.0	4.05	29.9	126	48.7	267	127	26
Ray, ND	4580	CONLON	2	41.1	96.2	26	80.6	2.5	1	15.7	5.85	39.5	157	82.7	501	226	40
Ray, ND	4581	PINNACLE	2	42.8	96.0	32	82.9	2.3	1	12.5	5.46	44.8	124	77.7	263	224	63
Ray, ND	4582	LACEY	6	37.0	94.9	41	80.3	2.3	1	14.4	5.96	41.9	216	86.7	68	240	51
Ray, ND	4583	ND GENESIS	2	39.1	94.7	25	82.6	2.3	1	13.4	5.62	44.5	156	102.7	272	216	51
Ray, ND	4584	2ND34583	2	39.7	96.9	33	82.3	2.9	1	12.9	5.87	46.5	148	106.3	76	249	63
Ray, ND	4585	2ND34584	2	41.3	97.8	22	82.1	2.7	1	13.8	5.69	41.6	136	104.6	147	234	51
Ray, ND	4586	2ND34594	2	39.9	95.6	29	83.8	3.1	1	12.4	6.01	51.0	146	116.5	132	261	51
Ray, ND	4587	2ND34614	2	40.0	93.5	39	82.0	2.4	1	13.3	5.76	44.6	166	96.0	219	250	51
Ray, ND	4588	2ND34616	2	40.6	93.6	30	81.6	2.4	1	13.7	5.99	45.9	181	101.6	193	259	48
Ray, ND	4589	2ND34629	2	41.1	97.0	25	82.5	2.7	1	13.1	5.84	46.7	121	103.6	194	266	53
Ray, ND	4590	2ND34634	2	45.6	97.6	25	82.8	3.2	1	13.9	6.09	46.8	149	106.1	173	283	46
Ray, ND	4591	2ND34647	2	42.7	94.7	41	81.7	2.7	1	13.8	5.79	45.0	188	97.7	213	249	49
	4592	CONRAD MALT CHECK	2	39.9	97.0	54	81.3	2.4	1	13.2	5.09	40.9	129	86.3	255	214	55
Ray, ND	4593	2ND34697	2	44.7	96.5	32	81.6	3.1	1	12.0	5.89	49.4	132	104.3	190	266	54
Ray, ND	4594	2ND34729	2	42.3	95.8	38	83.4	2.8	1	12.8	6.11	49.0	158	99.2	251	262	51
Ray, ND	4595	2ND34781	2	37.7	87.3	55	81.7	1.9	1	13.5	5.55	43.2	173	85.4	235	232	46
Ray, ND	4596	2ND34783	2	37.9	90.3	43	82.0	2.2	1	14.1	5.82	43.0	146	81.8	205	251	44
Ray, ND	4597	2ND34784	2	38.6	92.1	29	81.9	2.1	1	13.2	5.32	43.1	154	78.9	161	225	55
Ray, ND	4598	2ND34827	2	42.6	95.2	11	82.2	2.9	1	13.3	5.75	44.5	189	100.2	121	235	57
Ray, ND	4599	2ND34867	2	42.6	94.8	8	82.0	2.4	1	15.0	5.76	40.7	200	67.0	111	249	52
Ray, ND	4600	2ND34868	2	41.4	96.4	15	82.5	2.3	1	13.5	5.58	42.2	180	80.9	111	244	60
Ray, ND	4601	2ND34870	2	41.5	94.5	42	83.0	2.3	1	12.7	5.23	44.6	145	88.2	106	224	65
Ray, ND	4602	2ND34875	2	45.2	94.5	31	82.9	2.3	1	13.0	5.33	42.5	154	96.5	291	230	58
Ray, ND	4603	2ND34884	2	44.3	97.3	19	82.5	2.4	1	13.2	5.46	43.1	174	93.4	178	225	58
Ray, ND	4604	2ND34889	2	39.8	95.2	29	81.7	2.6	1	13.5	5.73	43.2	148	87.3	208	248	51
Ray, ND	4605	2ND34954	2	43.1	94.6	35	82.3	2.9	1	13.0	5.64	43.6	170	94.7	146	232	62
Ray, ND	4606	2ND34960	2	43.6	94.3	24	83.5	2.6	1	13.5	5.42	42.4	158	96.7	317	243	58
Ray, ND	4607	2ND34962	2	41.3	95.1	32	83.4	3.0	1	14.3	5.89	43.9	192	106.3	125	298	51
Ray, ND	4608	2ND34983	2	40.1	94.9	36	82.6	2.3	1	15.1	5.29	36.4	172	94.6	298	249	47
Ray, ND	4609	2ND34999	2	39.7	90.6	42	83.4	2.1	1	13.5	5.75	43.7	155	76.3	220	292	51
Ray, ND	4610	2ND35001	2	37.8	86.4	39	83.2	2.1	1	14.4	5.59	39.3	160	79.1	102	239	44
Ray, ND	4611	2ND35013	2	39.8	89.3	25	80.9	2.0	1	14.0	5.34	38.9	166	78.6	161	223	40
Ray, ND	4612	2ND35025	2	44.9	98.5	31	83.6	3.3	1	12.8	6.03	50.0	128	114.3	159	313	51
Ray, ND	4613	2ND35027	2	42.6	97.6	28	82.9	3.0	1	13.7	6.19	46.0	164	112.4	195	304	46
Ray, ND	4614	2ND35028	2	40.6	92.3	28	82.3	2.3	1	15.4	5.35	36.2	166	79.9	320	255	47
St. Paul, MN	4615	09WA-39	2	38.0	82.9	42	79.4	3.2	1	16.7	6.45	39.9	156	115.1	592	300	27
St. Paul, MN	4616	08WA-32	2	38.8	86.5	35	77.7	4.4	1	17.4	7.06	40.6	164	111.9	308	339	31
St. Paul, MN	4617	08N2-52	2	39.7	89.4	49	80.1	2.4	1	13.4	5.25	40.0	103	78.7	658	208	47
St. Paul, MN	4618	2MS14_3336-016	2	44.3	89.1	36	78.2	2.1	1	16.3	5.63	36.6	135	72.7	553	210	36
St. Paul, MN	4619	09MT-34	2	42.9	88.9	20	82.0	2.5	1	12.3	5.73	48.1	104	107.1	597	297	49
St. Paul, MN	4620	07N2-45	2	42.0	90.8	44	80.4	2.1	1	13.3	5.46	41.8	139	82.0	592	229	55
St. Paul, MN	4621	2MS14_3312-020	2	37.7	81.8	34	79.3	2.9	1	13.7	5.55	41.3	86	79.4	475	289	30
St. Paul, MN	4622	08N2-82	2	41.4	91.0	42	79.5	2.1	1	13.9	5.39	38.8	138	86.6	616	229	44
	4623	CONRAD MALT CHECK	2	40.2	97.5	53	82.1	2.2	1	12.8	5.26	44.4	151	98.3	167	236	62
St. Paul, MN	4624	08N2-53	2	40.9	96.3	34	79.8	1.9	1	13.2	4.88	38.5	141	79.6	692	189	47

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	4625	06N2-31	2	37.5	86.3	44	80.7	2.3	1	12.6	5.09	41.9	119	101.7	405	219	50
St. Paul, MN	4626	09AB-59	2	40.8	85.8	35	79.9	3.0	1	15.4	6.38	42.2	141	96.8	477	296	40
St. Paul, MN	4627	09N2-37	2	40.6	89.6	40	80.1	2.5	1	14.4	5.56	39.5	130	94.4	647	253	42
St. Paul, MN	4628	06N2-49	2	44.1	87.0	40	79.0	3.8	1	15.5	6.42	42.7	122	109.6	551	331	38
St. Paul, MN	4629	LCS_Genie	2	39.5	88.3	23	77.5	3.6	1	17.1	6.63	39.7	236	96.3	72	281	33
St. Paul, MN	4630	08N2-20	2	45.9	95.4	46	80.9	2.9	1	13.2	5.59	42.8	100	103.1	589	237	52
St. Paul, MN	4631	08MT-11	2	40.1	89.6	30	76.1	2.7	1	18.3	6.04	33.7	200	84.2	529	246	28
St. Paul, MN	4632	08WA-11	2	39.5	88.0	37	78.8	3.3	1	17.4	6.82	40.8	179	119.3	344	326	35
St. Paul, MN	4633	07AB-63	2	39.0	83.6	49	77.6	2.7	1	16.1	5.67	35.4	174	93.1	257	222	26
St. Paul, MN	4634	08N2-66	2	43.2	97.4	50	79.6	2.4	1	16.3	6.11	38.1	166	98.3	633	267	38
St. Paul, MN	4635	Hockett	2	39.8	80.4	45	80.3	2.5	1	14.8	6.03	41.6	155	118.1	481	273	35
St. Paul, MN	4636	Conrad	2	37.6	85.9	33	79.1	3.5	1	16.2	6.84	44.8	199	134.0	341	315	33
St. Paul, MN	4637	2MS14_3312-012	2	39.2	89.8	35	79.8	3.1	1	14.8	6.17	43.6	77	104.3	502	290	31
St. Paul, MN	4638	CDC_Copeland	2	41.4	90.0	49	79.8	2.7	1	15.1	6.03	42.3	157	106.6	218	271	42
St. Paul, MN	4639	07N2-64	2	42.8	90.0	46	80.6	2.4	1	12.2	5.67	48.1	121	113.5	253	264	51
St. Paul, MN	4640	2MS14_3302-026	2	41.0	94.3	46	80.1	2.8	1	12.5	5.19	41.8	108	113.9	460	222	56
St. Paul, MN	4641	08WA-02	2	39.6	88.9	40	78.9	2.8	1	16.2	5.95	38.2	152	118.6	439	269	33
St. Paul, MN	4642	07AB-81	2	40.8	96.1	45	77.9	2.0	1	16.3	5.33	33.4	165	69.8	334	205	37
St. Paul, MN	4643	09MT-92	2	42.1	94.6	36	79.0	2.7	1	14.1	5.58	40.4	134	97.7	302	229	47
St. Paul, MN	4644	06N2-26	2	45.9	97.1	41	81.4	2.7	1	14.0	6.04	43.2	150	91.8	375	288	46
St. Paul, MN	4645	07N2-46	2	39.0	83.4	49	80.0	2.5	1	14.2	5.91	43.2	141	100.9	384	277	38
St. Paul, MN	4646	08N2-79	2	37.3	79.8	36	79.0	2.8	1	14.3	5.77	40.5	136	117.5	399	272	33
St. Paul, MN	4647	07N2-29	2	38.9	92.2	43	78.9	2.3	1	13.2	5.49	42.6	134	111.5	329	252	49
St. Paul, MN	4648	08AB-01	2	33.9	63.5	52	78.1	3.6	1	15.3	6.04	39.6	142	113.9	220	281	25
St. Paul, MN	4649	2MS14_3317-025	2	39.1	86.6	55	78.5	2.6	1	16.2	6.22	38.9	135	94.2	461	303	30
St. Paul, MN	4650	09N2-86	2	37.7	74.4	35	79.3	3.0	2	14.8	6.14	42.3	164	124.0	199	314	29
St. Paul, MN	4651	09N2-39	2	40.0	84.5	46	78.8	2.2	1	13.5	5.03	37.5	129	92.8	450	218	41
St. Paul, MN	4652	08AB-24	2	39.3	92.1	32	80.5	3.2	1	14.3	6.06	45.5	124	126.9	205	310	40
St. Paul, MN	4653	09AB-25	2	37.2	76.8	41	77.9	3.9	1	16.7	6.51	40.1	171	116.9	189	318	26
St. Paul, MN	4654	CONRAD MALT CHECK	2	40.8	97.4	53	82.0	2.2	1	12.5	5.16	42.8	147	101.0	205	232	62
St. Paul, MN	4655	08N2-27	2	46.6	91.8	51	80.8	2.7	1	11.9	5.30	44.8	87	108.9	347	251	53
St. Paul, MN	4656	07N2-17	2	38.3	86.4	41	80.2	2.6	1	13.5	5.66	42.9	130	99.6	384	268	41
St. Paul, MN	4657	09MT-76	2	38.9	90.3	36	79.5	2.8	1	13.2	5.37	41.9	165	94.7	215	234	52
St. Paul, MN	4658	2MS14_3340-004	2	41.2	86.4	51	79.4	3.6	1	14.8	6.32	44.4	128	117.6	319	309	37
St. Paul, MN	4659	2MS14_3310-012	2	45.5	89.0	35	78.8	3.0	1	15.1	5.80	39.3	115	98.5	408	251	33
St. Paul, MN	4660	08N2-23	2	39.7	86.4	34	79.6	3.8	1	12.5	5.82	47.1	84	133.8	321	279	39
St. Paul, MN	4661	06AB-08	2	37.5	80.8	41	79.4	3.4	1	15.2	6.29	42.0	163	124.2	271	276	33
St. Paul, MN	4662	07N2-37	2	37.7	78.8	38	79.2	2.1	1	15.0	5.78	39.4	157	96.8	421	235	28
St. Paul, MN	4663	06WA-38	2	40.4	89.9	38	78.5	3.4	1	15.6	6.11	40.9	160	97.2	449	276	37
St. Paul, MN	4664	Pinnacle	2	40.7	90.9	38	80.5	2.9	1	12.7	5.28	41.9	74	76.6	438	215	52
St. Paul, MN	4665	08WA-48	2	42.5	94.1	35	80.1	2.7	1	14.5	5.67	40.2	119	102.7	349	264	43
St. Paul, MN	4666	CDC_Copeland	2	38.7	81.1	49	78.9	2.9	1	15.6	6.07	39.5	158	101.2	230	279	27
St. Paul, MN	4667	08AB-02	2	35.7	71.6	43	79.4	3.4	1	16.0	6.42	41.5	144	106.3	315	293	33
St. Paul, MN	4668	2MS14_3342-018	2	39.6	85.6	46	78.5	2.4	1	15.4	5.64	38.2	190	106.0	416	252	33
St. Paul, MN	4669	06N2-54	2	41.1	93.1	36	80.7	2.3	1	13.5	5.28	40.5	138	99.8	449	221	54
St. Paul, MN	4670	08AB-13	2	36.1	73.8	39	79.0	3.1	1	16.1	6.28	39.8	175	120.6	288	290	25
St. Paul, MN	4671	08N2-47	2	37.6	86.4	45	79.6	2.3	1	13.0	5.06	40.5	110	92.2	412	225	45
St. Paul, MN	4672	2MS14_3337-013	2	38.0	89.1	35	78.3	2.9	1	13.3	5.29	40.3	115	89.8	398	219	44
St. Paul, MN	4673	07N2-20	2	40.0	97.8	43	81.7	2.3	1	13.6	5.61	43.3	124	102.8	434	257	48
St. Paul, MN	4674	06MT-93	2	40.4	86.5	46	79.0	2.8	1	15.6	6.29	41.4	166	111.8	379	296	37
St. Paul, MN	4675	ND_Genesis	2	42.8	95.9	36	79.1	2.6	1	13.2	5.55	45.0	111	106.1	390	239	49
St. Paul, MN	4676	08AB-22	2	37.4	70.3	47	81.1	2.6	1	14.6	5.57	39.6	125	87.7	293	237	38
St. Paul, MN	4677	07AB-89	2	42.7	93.6	33	79.0	3.1	1	16.0	6.22	39.8	155	101.8	282	299	35
St. Paul, MN	4678	2MS14_3306-013	2	42.2	93.1	53	79.1	2.0	1	15.3	5.27	35.8	198	68.3	222	203	42
St. Paul, MN	4679	AC_Metcalf	2	39.1	91.5	47	78.1	2.5	1	15.5	6.01	40.0	203	124.4	313	280	37

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	4680	2MS14_3342-022	2	43.3	91.3	41	79.9	2.6	1	14.9	6.05	43.5	148	118.7	378	287	43
St. Paul, MN	4681	08AB-14	2	38.3	77.9	46	80.2	2.5	1	15.7	6.21	40.7	207	124.6	151	289	35
St. Paul, MN	4682	08N2-34	2	39.6	90.1	46	79.8	2.1	1	13.6	5.45	41.4	173	92.3	410	227	47
St. Paul, MN	4683	09MT-75	2	41.6	94.7	43	79.7	2.4	1	13.6	5.20	38.8	170	88.4	287	213	44
St. Paul, MN	4684	2MS14_3324-018	2	40.1	95.3	49	78.5	2.7	1	14.5	5.30	37.4	188	77.5	364	208	41
	4685	CONRAD MALT CHECK	2	40.2	97.7	54	81.5	2.2	1	12.5	5.09	43.0	148	97.3	187	221	62
St. Paul, MN	4686	08WA-20	2	40.0	95.3	37	79.3	2.4	1	14.8	5.85	40.5	151	108.3	399	271	40
St. Paul, MN	4687	Hockett	2	39.2	83.7	45	79.2	2.5	1	14.4	5.80	41.7	113	108.6	441	267	32
St. Paul, MN	4688	08AB-48	2	40.7	75.9	30	80.2	3.6	1	17.1	6.49	38.7	136	110.4	298	312	32
St. Paul, MN	4689	2MS14_3315-015	2	40.4	83.8	38	76.9	2.1	1	14.8	5.32	37.0	141	96.5	306	229	32
St. Paul, MN	4690	09WA-30	2	36.1	81.8	39	78.5	3.1	1	15.7	6.19	40.7	176	116.2	333	288	30
St. Paul, MN	4691	2MS14_3301-001	2	44.8	93.0	31	79.0	4.6	1	15.1	7.03	46.6	135	128.0	277	368	40
St. Paul, MN	4692	08MT-28	2	33.6	76.9	36	79.2	3.1	1	15.9	6.10	40.5	163	116.6	228	280	30
St. Paul, MN	4693	09MT-22	2	39.1	86.5	37	77.9	3.3	1	12.7	5.63	46.6	75	115.8	469	279	37
St. Paul, MN	4694	07AB-80	2	42.8	91.4	50	79.8	3.2	1	14.8	6.26	44.4	138	85.4	154	296	43
St. Paul, MN	4695	09N2-63	2	43.7	96.8	39	78.9	3.0	1	14.2	5.97	43.6	94	101.2	264	274	36
St. Paul, MN	4696	2MS14_3345-013	2	45.6	95.2	49	80.3	2.4	1	13.0	5.31	41.4	109	99.6	475	232	52
St. Paul, MN	4697	08AB-07	2	36.0	71.5	43	79.9	3.6	1	14.7	5.98	42.8	118	104.9	100	305	36
St. Paul, MN	4698	08N2-95	2	37.9	81.6	24	77.8	2.5	2	14.9	4.92	33.4	107	72.6	246	177	19
St. Paul, MN	4699	09MT-88	2	39.5	93.7	43	75.8	3.2	2	13.9	5.68	43.2	90	82.0	189	233	28
St. Paul, MN	4700	2MS14_3310-018	2	40.7	81.2	36	78.2	3.1	1	14.7	5.80	40.6	103	102.2	380	262	34
St. Paul, MN	4701	08N2-90	2	45.8	97.4	40	78.4	2.6	1	13.9	6.00	45.3	130	86.4	282	293	43
St. Paul, MN	4702	AC_Metcalf	2	39.1	88.3	40	80.3	3.0	1	14.6	6.17	43.0	153	115.9	233	293	38
Aberdeen, ID	4703	AB6669	2	39.5	94.9	70	80.1	2.0	1	11.6	4.98	44.1	140	107.7	42	217	64
Aberdeen, ID	4704	Charles	2	42.3	96.9	66	81.7	2.1	1	11.9	5.03	44.1	151	101.7	66	231	70
Aberdeen, ID	4705	Charles	2	42.3	96.0	70	82.3	2.2	1	10.5	4.68	47.8	119	102.6	34	210	57
Aberdeen, ID	4706	Charles	2	42.4	95.7	70	82.2	2.3	1	10.0	4.70	50.5	110	101.8	28	222	57
Aberdeen, ID	4707	AB6669	2	34.4	75.8	79	82.7	1.9	1	11.0	4.54	44.7	132	99.1	34	178	50
Aberdeen, ID	4708	Charles	2	41.0	95.1	70	80.3	2.4	1	10.1	4.60	48.9	117	102.7	85	205	53
Aberdeen, ID	4709	Charles	2	40.6	94.2	65	81.7	2.3	1	12.2	5.17	45.5	140	100.3	91	246	69
Aberdeen, ID	4710	AB6669	2	32.9	64.5	59	78.9	1.8	1	13.2	4.95	39.9	138	90.9	47	212	44
Aberdeen, ID	4711	AB6669	2	35.8	83.8	61	81.2	1.9	1	11.9	4.90	44.4	136	101.4	43	217	60
Aberdeen, ID	4712	Endeavor	2	34.4	79.9	71	80.3	2.2	1	11.7	4.96	44.1	131	103.6	85	239	57
Aberdeen, ID	4713	AB6669	2	33.9	75.0	74	81.2	2.0	1	11.5	4.74	44.5	119	100.7	49	208	57
Aberdeen, ID	4714	Endeavor	2	32.4	63.9	72	79.6	2.1	1	12.1	4.94	42.5	144	100.9	258	222	50
Aberdeen, ID	4715	AB6669	2	37.0	89.5	74	80.9	1.9	1	12.3	4.97	42.9	144	102.4	36	222	60
	4716	CONRAD MALT CHECK	2	39.6	97.0	54	81.7	2.3	1	12.3	5.07	43.5	129	92.6	142	227	63
Aberdeen, ID	4717	Endeavor	2	32.6	70.9	77	79.6	1.9	1	11.8	4.65	41.9	153	100.8	319	202	50
Aberdeen, ID	4718	AB6669	2	33.6	81.6	81	82.2	1.8	1	9.7	4.27	48.4	114	100.3	28	176	38
Aberdeen, ID	4719	Charles	2	38.8	90.3	73	81.2	1.9	1	12.1	4.86	41.0	161	96.9	159	211	60
Aberdeen, ID	4720	Endeavor	2	38.2	92.0	79	82.7	2.0	1	9.3	4.36	49.4	107	102.8	45	191	50
Aberdeen, ID	4721	Charles	2	39.6	93.2	72	82.2	1.9	1	11.2	4.62	44.8	132	98.3	101	198	63
Aberdeen, ID	4722	AB6669	2	33.7	74.0	71	80.6	1.9	1	11.6	4.59	43.1	130	93.9	80	186	55
Aberdeen, ID	4723	Endeavor	2	36.6	83.5	77	79.1	2.0	1	12.8	4.88	38.5	149	92.0	253	206	42
Aberdeen, ID	4724	AB6669	2	34.0	77.3	79	80.2	1.9	1	12.3	4.91	40.9	129	98.2	67	207	57
Aberdeen, ID	4725	Charles	2	39.3	93.2	75	81.3	2.1	1	12.9	4.99	41.8	151	100.6	109	230	63
Aberdeen, ID	4726	Endeavor	2	36.2	79.8	75	79.0	1.9	1	14.0	4.90	37.3	153	92.0	337	210	32
Aberdeen, ID	4727	Charles	2	38.8	87.0	77	81.7	2.0	1	11.7	4.86	44.4	155	107.2	89	227	65
Aberdeen, ID	4728	Charles	2	44.0	96.5	66	82.9	2.1	1	11.6	5.01	45.1	152	107.8	53	237	70
Aberdeen, ID	4729	AB6669	2	40.7	96.7	74	83.1	2.0	1	10.8	4.80	46.6	122	104.9	44	214	64
Aberdeen, ID	4730	Endeavor	2	38.0	88.4	80	82.2	2.1	1	9.8	4.38	46.9	108	96.7	67	191	53
Aberdeen, ID	4731	Endeavor	2	34.9	77.2	81	79.0	1.9	1	13.7	4.98	37.1	172	97.5	249	217	32
Aberdeen, ID	4732	AB6669	2	34.5	76.1	76	80.1	1.9	1	12.8	4.94	41.7	158	98.5	68	208	57
Aberdeen, ID	4733	Endeavor	2	35.4	81.3	81	80.5	2.0	1	12.4	4.98	42.8	158	98.3	205	211	50
Aberdeen, ID	4734	Endeavor	2	37.2	90.7	77	82.2	2.1	1	10.7	4.77	46.7	127	99.4	177	205	53

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Aberdeen, ID	4735	AB6669	2	36.2	85.2	75	82.1	2.0	1	11.6	4.86	44.5	138	101.2	50	201	63
Aberdeen, ID	4736	Endeavor	2	36.7	87.2	75	80.6	2.2	1	12.1	5.20	43.7	146	95.6	220	222	53
Aberdeen, ID	4737	AB6669	2	32.7	68.0	77	78.4	2.0	1	14.3	5.33	38.4	157	93.1	66	218	39
Aberdeen, ID	4738	Charles	2	40.8	95.0	63	83.0	2.2	1	12.1	5.04	45.2	128	96.0	143	232	65
Aberdeen, ID	4739	Endeavor	2	35.3	78.4	82	80.4	1.8	1	12.2	4.71	41.4	169	95.1	229	191	50
Aberdeen, ID	4740	AB6669	2	32.6	68.0	77	80.1	1.9	1	13.2	4.94	38.4	170	96.3	83	199	47
Aberdeen, ID	4741	Endeavor	2	36.4	84.5	85	81.1	1.9	1	10.6	4.64	46.9	152	98.6	143	188	49
Aberdeen, ID	4742	Endeavor	2	38.7	91.8	72	82.9	2.0	1	9.9	4.57	48.3	119	95.9	62	193	54
Aberdeen, ID	4743	Endeavor	2	36.9	83.2	80	80.6	1.9	1	12.0	4.62	39.8	147	89.7	240	184	43
Aberdeen, ID	4744	Charles	2	37.5	90.6	77	80.1	2.0	1	12.6	4.95	41.8	163	91.6	170	224	55
Aberdeen, ID	4745	AB6669	2	29.7	51.4	85	77.1	1.8	1	13.9	4.90	37.1	173	88.6	81	193	35
Aberdeen, ID	4746	Charles	2	35.2	83.1	79	79.3	1.8	1	13.8	4.89	37.4	178	92.5	185	216	32
	4747	CONRAD MALT CHECK	2	40.0	97.4	55	82.3	2.1	1	12.7	5.06	41.7	142	90.7	182	227	60
	4748	CONRAD MALT CHECK	2	40.6	97.4	55	81.9	2.2	1	12.4	5.12	44.1	133	88.6	208	231	62
Aberdeen, ID	4749	Endeavor	2	38.4	91.6	71	81.6	1.9	1	11.7	4.77	44.4	129	96.3	100	222	67
Aberdeen, ID	4750	Charles	2	36.6	85.9	66	78.8	1.9	1	15.5	5.38	36.5	188	94.0	143	249	38
Aberdeen, ID	4751	Endeavor	2	35.0	79.3	76	79.7	1.7	1	12.9	5.02	40.3	199	104.7	218	229	50
Aberdeen, ID	4752	Charles	2	37.2	86.7	80	79.7	1.8	1	14.4	4.96	36.8	177	93.7	192	224	38
Aberdeen, ID	4753	AB6669	2	34.3	77.1	84	81.4	1.8	1	11.2	4.72	45.8	133	100.4	46	207	60
Aberdeen, ID	4754	Endeavor	2	39.3	93.7	81	82.7	2.0	1	9.3	4.40	48.6	104	96.4	65	191	50
Aberdeen, ID	4755	Endeavor	2	39.6	94.6	74	82.2	2.0	1	10.3	4.48	46.6	118	99.3	53	205	59
Aberdeen, ID	4756	AB6669	2	36.2	91.3	80	83.4	2.0	1	8.8	4.12	52.0	86	103.2	23	175	39
Aberdeen, ID	4757	AB6669	2	37.3	91.2	89	83.9	1.9	1	8.7	4.12	51.8	85	102.9	30	173	39
Aberdeen, ID	4758	Endeavor	2	38.9	91.0	73	81.7	1.9	1	11.4	4.74	43.6	149	105.0	150	211	63
Aberdeen, ID	4759	Charles	2	41.5	94.4	71	83.1	2.1	1	11.0	4.78	47.4	138	108.2	77	226	64
Aberdeen, ID	4760	AB6669	2	38.9	87.4	79	81.6	1.8	1	12.2	4.85	42.7	142	106.5	69	208	65
Aberdeen, ID	4761	Endeavor	2	34.7	73.7	72	79.4	2.0	1	13.5	5.08	40.1	177	103.2	200	222	45
Aberdeen, ID	4762	AB6669	2	33.9	77.2	79	81.4	1.9	1	11.2	4.69	45.0	135	107.7	50	201	60
Aberdeen, ID	4763	Endeavor	2	35.1	77.7	70	79.9	2.0	1	12.6	5.00	41.4	184	107.8	268	221	50
Aberdeen, ID	4764	AB6669	2	32.6	67.6	87	80.9	1.8	1	12.3	4.71	41.3	153	102.3	98	198	57
Aberdeen, ID	4765	Charles	2	37.4	87.3	73	80.4	2.2	1	14.1	5.49	40.2	179	98.6	125	250	46
Aberdeen, ID	4766	Endeavor	2	36.3	82.0	80	81.0	2.0	1	11.2	4.60	43.6	141	99.0	205	198	50
Aberdeen, ID	4767	Endeavor	2	36.7	80.5	82	79.7	2.0	1	12.0	4.75	41.9	154	103.3	248	201	50
Aberdeen, ID	4768	Endeavor	2	36.1	77.4	77	78.4	2.0	1	13.1	4.90	38.9	162	99.4	330	204	37
Aberdeen, ID	4769	AB6669	2	34.2	77.1	92	82.9	1.9	1	9.3	4.25	47.8	97	97.7	50	172	34
Aberdeen, ID	4770	AB6669	2	32.3	67.3	88	80.6	1.8	1	11.1	4.46	43.2	126	92.5	66	176	52
Aberdeen, ID	4771	Endeavor	2	33.9	72.7	78	78.4	1.8	1	13.4	4.58	35.3	149	88.4	401	179	32
Aberdeen, ID	4772	AB6669	2	32.3	69.8	84	80.4	1.8	1	11.8	4.46	41.1	123	89.5	87	170	52
Aberdeen, ID	4773	Endeavor	2	34.1	73.5	82	78.5	1.8	1	12.9	4.60	36.3	156	87.6	421	186	40
Aberdeen, ID	4774	AB6669	2	31.4	58.9	89	79.1	1.9	1	12.6	4.72	38.7	151	97.7	102	191	45
Aberdeen, ID	4775	Charles	2	38.7	93.3	78	83.4	2.0	1	10.1	4.63	49.7	126	111.5	85	208	57
Aberdeen, ID	4776	Charles	2	36.5	89.0	80	79.7	2.0	1	14.0	5.09	38.0	167	98.5	218	234	38
Aberdeen, ID	4777	Endeavor	2	36.7	82.6	77	80.0	2.1	1	13.1	5.04	41.4	160	106.3	243	220	45
	4778	CONRAD MALT CHECK	2	40.3	97.7	54	82.8	2.0	1	12.7	5.13	43.7	135	93.9	150	229	65
Aberdeen, ID	4779	Endeavor	2	34.6	74.4	86	81.1	1.9	1	10.0	4.28	44.9	128	100.4	80	178	46
Aberdeen, ID	4780	AB6669	2	41.5	97.3	77	84.3	2.0	1	8.7	4.24	53.0	89	104.4	26	180	43
Aberdeen, ID	4781	Endeavor	2	36.1	79.0	84	79.0	1.7	1	12.3	4.45	38.1	155	92.4	323	175	37
Aberdeen, ID	4782	Charles	2	42.1	94.2	81	81.6	2.0	1	12.5	4.94	42.3	147	100.9	110	231	66
Aberdeen, ID	4783	Charles	2	34.3	80.9	73	77.1	2.0	1	15.7	5.39	36.3	202	99.9	254	234	28
Aberdeen, ID	4784	AB6669	2	32.1	59.3	85	78.2	1.8	1	13.9	4.81	37.0	161	94.8	149	198	35
Aberdeen, ID	4785	AB6669	2	33.4	66.0	82	79.7	1.9	1	12.1	4.79	41.5	140	96.9	101	199	53
Aberdeen, ID	4786	AB6669	2	33.0	70.1	77	80.5	1.9	1	11.9	4.80	40.9	143	99.3	120	204	53
Aberdeen, ID	4787	Charles	2	37.7	90.4	72	79.0	1.9	1	13.9	5.03	38.8	193	104.4	220	230	37
Aberdeen, ID	4788	Endeavor	2	36.2	85.7	72	80.2	1.8	1	12.3	4.80	39.1	164	101.6	219	209	48
Aberdeen, ID	4789	Charles	2	37.2	83.8	68	78.9	1.9	1	15.8	5.31	35.9	203	96.7	293	245	32

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Aberdeen, ID	4790	Charles	2	35.4	86.1	77	79.2	1.9	1	14.2	5.07	37.7	204	91.5	315	222	35
Aberdeen, ID	4791	AB6669	2	30.5	62.1	83	78.2	1.7	1	12.6	4.55	36.1	179	91.1	145	178	40
Aberdeen, ID	4792	Charles	2	38.6	93.8	80	83.2	2.0	1	9.8	4.37	49.5	123	102.3	129	185	47
Aberdeen, ID	4793	Charles	2	33.8	85.8	79	78.2	1.9	1	13.5	4.63	35.4	172	86.8	332	189	38
Aberdeen, ID	4794	AB6669	2	35.1	81.1	93	81.8	1.8	1	9.7	4.38	49.0	109	94.1	41	175	38
Aberdeen, ID	4795	Endeavor	2	39.3	91.5	80	82.4	1.9	1	9.1	4.25	50.7	105	99.1	84	183	48
Aberdeen, ID	4796	Endeavor	2	37.2	87.1	81	80.3	1.8	1	11.5	4.47	41.0	153	94.4	371	186	51
Aberdeen, ID	4797	Endeavor	2	36.0	81.2	79	78.6	1.8	1	13.0	4.62	37.1	182	94.5	335	191	42
Aberdeen, ID	4798	Charles	2	38.1	90.3	82	79.2	2.0	1	13.3	4.75	38.3	160	88.3	386	214	44
Aberdeen, ID	4799	Charles	2	34.6	82.4	70	77.9	1.9	1	15.3	5.15	35.6	221	94.4	246	227	28
Aberdeen, ID	4800	Endeavor	2	34.4	74.3	82	77.5	1.7	1	13.5	4.62	35.0	189	84.0	441	183	31
Aberdeen, ID	4801	AB6669	2	32.6	69.4	93	79.3	1.8	1	11.4	4.39	39.9	143	86.9	146	165	36
Aberdeen, ID	4802	AB6669	2	34.0	72.3	85	79.9	1.7	1	11.1	4.48	41.0	132	91.6	90	177	52
Aberdeen, ID	4803	AB6669	2	35.0	84.7	92	80.7	1.7	1	10.2	4.28	46.7	112	89.8	47	163	40
Aberdeen, ID	4804	AB6669	2	38.8	95.9	77	82.9	1.9	1	7.8	3.83	54.0	70	92.1	37	147	38
Aberdeen, ID	4805	Charles	2	42.5	96.3	78	83.9	2.3	1	8.9	4.29	54.3	100	99.2	34	185	47
Aberdeen, ID	4806	Charles	2	42.5	95.5	72	82.3	2.0	1	11.4	4.72	44.9	150	99.1	105	213	66
Aberdeen, ID	4807	Endeavor	2	37.3	83.8	77	79.3	1.9	1	13.0	4.78	38.8	157	85.6	336	204	42
Aberdeen, ID	4808	Charles	2	39.7	91.6	74	80.3	2.2	1	12.8	5.02	41.2	166	89.0	172	222	57
Aberdeen, ID	4809	CONRAD MALT CHECK	2	39.4	97.0	54	81.5	2.2	2	12.4	4.83	41.8	130	84.2	320	201	59
Aberdeen, ID	4810	Charles	2	41.8	96.6	72	83.4	2.1	1	10.0	4.45	47.6	119	95.5	74	201	56
Aberdeen, ID	4811	Endeavor	2	38.4	92.3	74	81.7	1.9	1	10.1	4.36	47.2	134	102.6	239	184	44
Aberdeen, ID	4812	Endeavor	2	38.7	90.0	76	80.9	1.8	1	10.8	4.42	44.7	137	86.5	245	177	47
Aberdeen, ID	4813	Charles	2	41.8	94.3	72	81.1	2.2	1	12.3	4.97	41.6	161	95.0	172	226	62
Aberdeen, ID	4814	AB6669	2	33.4	74.7	84	80.4	1.7	1	11.8	4.54	40.4	158	90.8	176	188	48
Aberdeen, ID	4815	AB6669	2	31.2	53.5	83	77.3	1.9	1	13.4	4.66	36.7	166	91.2	187	191	33
Aberdeen, ID	4816	Charles	2	39.7	94.7	80	82.5	2.1	1	9.4	4.29	51.3	105	89.2	137	186	44
Aberdeen, ID	4817	AB6669	2	32.8	70.4	84	80.5	1.8	1	11.7	4.35	40.0	124	80.4	213	185	39
Aberdeen, ID	4818	AB6669	2	32.3	72.9	89	80.2	1.8	1	11.8	4.40	39.2	142	85.8	169	190	39
Aberdeen, ID	4819	AB6669	2	33.8	75.2	86	81.4	1.9	1	10.8	4.34	43.9	115	86.0	152	190	41
Aberdeen, ID	4820	AB6669	2	39.8	95.7	81	83.3	2.0	1	8.7	4.05	48.8	84	87.6	75	174	41
Aberdeen, ID	4821	AB6669	2	35.8	85.4	85	82.2	2.0	1	9.8	4.30	45.2	113	90.1	96	191	51
Aberdeen, ID	4822	AB6669	2	39.7	92.4	84	82.4	2.0	1	10.2	4.31	46.7	107	93.2	119	203	51
Aberdeen, ID	4823	Charles	2	41.7	96.5	74	84.6	2.1	1	8.6	4.20	50.0	103	103.9	86	214	52
Aberdeen, ID	4824	AB6669	2	35.1	81.8	81	81.1	1.8	1	11.5	4.41	41.4	156	101.1	111	200	56
Aberdeen, ID	4825	AB6669	2	32.3	59.3	80	78.0	1.8	1	13.9	4.69	35.4	165	97.2	268	205	28
Aberdeen, ID	4826	AB6669	2	31.4	64.7	85	78.6	1.9	1	13.7	4.82	37.2	165	98.7	156	217	32
Aberdeen, ID	4827	Endeavor	2	35.7	77.7	75	78.3	2.1	1	13.4	4.90	37.4	191	104.9	368	240	37
Aberdeen, ID	4828	AB6669	2	37.6	92.6	83	82.1	2.1	1	8.6	3.78	49.1	77	96.5	66	164	36
Aberdeen, ID	4829	AB6669	2	37.2	96.3	78	83.8	1.9	1	7.7	3.73	54.3	66	98.2	72	155	36
Aberdeen, ID	4830	Charles	2	42.0	97.7	79	84.1	2.4	1	7.6	4.11	55.5	79	108.7	75	195	48
Aberdeen, ID	4831	Charles	2	40.0	95.0	68	81.8	2.4	1	8.4	4.90	65.4	150	100.2	305	254	50
Aberdeen, ID	4832	Charles	2	41.2	97.4	72	83.1	2.4	1	9.3	4.28	47.5	91	100.2	95	205	48
Aberdeen, ID	4833	AB6669	2	36.5	86.0	83	81.3	1.8	1	11.1	4.36	41.6	125	94.2	143	187	53
Aberdeen, ID	4834	Endeavor	2	38.4	90.9	79	83.0	2.3	1	8.4	4.12	54.3	91	94.4	131	188	40
Aberdeen, ID	4835	Charles	2	40.5	96.2	65	84.8	2.0	1	8.4	4.16	55.7	104	103.4	94	198	52
Aberdeen, ID	4836	AB6669	2	35.0	85.8	80	82.3	1.9	1	10.9	4.49	45.4	149	103.4	81	200	58
Aberdeen, ID	4837	AB6669	2	39.2	95.2	78	83.9	2.5	1	9.0	4.08	50.9	101	100.6	53	180	45
Aberdeen, ID	4838	Charles	2	41.4	96.3	73	83.9	2.1	1	9.8	4.41	48.6	127	102.5	91	213	59
Aberdeen, ID	4839	Charles	2	41.2	95.5	77	84.5	2.1	1	8.5	4.18	53.7	106	105.8	69	199	52
Aberdeen, ID	4840	CONRAD MALT CHECK	2	40.2	97.5	54	82.0	2.6	1	12.9	4.90	40.5	147	93.8	228	231	62
Aberdeen, ID	4841	Charles	2	41.7	96.8	81	83.4	2.4	1	8.8	4.30	53.7	95	100.5	71	205	48
Aberdeen, ID	4842	Endeavor	2	36.8	82.9	83	80.3	1.8	1	11.6	4.45	39.9	155	96.3	277	200	45
Aberdeen, ID	4843	AB6669	2	37.9	92.8	78	84.1	2.1	1	8.4	3.98	52.0	80	101.4	68	178	36
Aberdeen, ID	4844	Endeavor	2	35.9	81.5	80	79.7	2.1	1	12.5	4.68	39.4	147	93.9	312	210	45

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Aberdeen, ID	4845	Charles	2	42.0	93.8	73	82.5	2.2	1	11.6	4.82	45.0	155	101.0	137	236	66
Aberdeen, ID	4846	Charles	2	40.2	90.8	77	81.7	2.0	1	11.4	4.61	44.0	146	90.7	235	218	62
Aberdeen, ID	4847	Endeavor	2	37.8	89.9	78	81.8	2.1	1	10.3	4.41	44.0	135	103.6	156	214	51
Aberdeen, ID	4848	Endeavor	2	37.9	89.8	81	81.6	2.1	1	9.7	4.31	45.1	131	95.7	205	203	47
Aberdeen, ID	4849	AB6669	2	36.3	86.1	83	82.3	2.1	1	10.1	4.46	48.4	112	101.8	71	209	50
Aberdeen, ID	4850	AB6669	2	34.1	67.7	82	79.8	1.8	1	12.7	4.65	38.1	148	94.1	119	206	48
Aberdeen, ID	4851	Endeavor	2	35.8	79.4	79	79.2	2.0	1	12.4	4.50	37.6	159	91.8	324	201	42
Aberdeen, ID	4852	Charles	2	41.7	90.0	74	80.9	2.4	1	12.8	5.17	42.6	160	101.8	111	266	62
Aberdeen, ID	4853	Endeavor	2	36.1	80.8	78	81.0	1.8	1	10.0	4.12	43.4	118	97.8	188	159	36
Aberdeen, ID	4854	Endeavor	2	39.4	96.6	75	83.2	2.0	1	7.9	4.00	55.4	82	96.6	88	167	38
Aberdeen, ID	4855	AB6669	2	37.5	92.9	80	83.3	1.9	1	9.5	4.27	50.0	97	96.8	85	194	44
Aberdeen, ID	4856	Charles	2	40.3	93.3	66	82.0	2.2	1	12.3	5.09	44.1	160	101.1	221	241	62
Aberdeen, ID	4857	Endeavor	2	36.8	83.8	73	79.5	2.0	1	11.8	4.95	43.7	166	97.4	288	225	50
Aberdeen, ID	4858	Charles	2	39.2	92.6	73	80.3	2.1	1	12.5	4.86	42.1	153	91.8	350	226	57
Aberdeen, ID	4859	AB6669	2	34.7	81.7	80	80.4	1.9	1	11.2	4.72	43.5	150	102.0	134	195	53
Aberdeen, ID	4860	Endeavor	2	37.6	87.5	73	80.6	2.0	1	11.6	4.89	43.6	156	101.6	259	231	53
Aberdeen, ID	4861	Endeavor	2	37.5	86.3	75	80.0	2.0	1	13.0	4.90	39.6	162	104.2	354	223	48
Aberdeen, ID	4862	Endeavor	2	36.6	85.3	75	80.2	2.0	1	11.7	4.70	42.0	146	96.8	297	216	53
Aberdeen, ID	4863	Charles	2	39.6	94.9	76	83.8	2.1	1	8.9	4.23	52.2	97	96.1	117	186	40
Aberdeen, ID	4864	Endeavor	2	36.8	85.9	76	80.8	2.0	1	11.6	4.56	42.5	126	93.0	352	196	53
Aberdeen, ID	4865	Charles	2	37.3	88.3	75	80.4	2.0	1	13.1	4.89	38.6	150	92.3	262	215	43
Aberdeen, ID	4866	Charles	2	42.2	96.0	72	83.4	2.1	1	9.4	4.46	51.8	101	93.2	85	194	57
Aberdeen, ID	4867	Endeavor	2	36.0	81.0	74	81.0	2.2	1	10.8	4.57	45.5	121	90.5	328	192	45
Aberdeen, ID	4868	Endeavor	2	40.2	95.2	77	83.0	2.2	1	8.4	4.15	54.8	78	90.1	104	171	39
Aberdeen, ID	4869	Charles	2	42.6	96.7	69	84.4	2.3	1	8.3	4.32	58.4	79	97.8	73	190	49
Aberdeen, ID	4870	AB6669	2	36.9	79.9	77	81.6	2.0	1	10.9	4.74	45.3	123	101.7	153	201	48
Aberdeen, ID	4871	CONRAD MALT CHECK	2	40.7	97.5	55	82.3	2.2	1	12.3	5.10	42.8	137	100.4	228	224	62
Aberdeen, ID	4872	Endeavor	2	38.0	93.4	76	82.5	2.1	1	8.9	4.10	48.7	96	98.1	108	173	37
Aberdeen, ID	4873	Charles	2	40.2	90.4	76	82.0	2.1	1	11.7	5.04	45.2	146	101.8	273	232	62
Aberdeen, ID	4874	Endeavor	2	36.9	88.0	81	82.4	2.0	1	9.9	4.35	46.9	112	104.1	183	186	42
Aberdeen, ID	4875	AB6669	2	33.8	70.7	80	80.1	1.8	1	11.8	4.63	41.9	133	97.5	141	187	51
Aberdeen, ID	4876	Charles	2	37.6	89.0	66	81.1	2.2	1	11.8	4.90	43.0	151	102.2	259	217	56
Aberdeen, ID	4877	Charles	2	38.0	84.8	66	79.8	2.2	1	14.2	5.24	39.0	176	104.8	238	243	35
Aberdeen, ID	4878	Charles	2	44.7	98.5	74	84.4	2.4	1	8.4	4.28	53.6	84	105.0	77	199	49
Aberdeen, ID	4879	Endeavor	2	40.1	97.0	79	83.0	2.1	1	8.7	4.06	50.3	74	90.0	113	165	39
Aberdeen, ID	4880	AB6669	2	38.8	94.2	79	83.2	1.9	1	10.7	4.62	46.8	119	95.8	121	211	55
Aberdeen, ID	4881	AB6669	2	36.9	90.5	79	81.4	2.1	1	12.4	4.85	42.5	127	101.1	151	207	58
Aberdeen, ID	4882	Endeavor	2	39.5	93.5	76	82.6	1.9	1	9.1	4.12	47.3	97	93.8	281	185	37
Aberdeen, ID	4883	Endeavor	2	37.1	84.5	82	80.6	1.7	1	11.4	4.42	42.4	163	98.2	368	183	48
Aberdeen, ID	4884	Endeavor	2	39.0	91.5	78	82.2	2.0	1	10.8	4.58	46.0	148	105.7	283	198	55
Aberdeen, ID	4885	AB6669	2	36.5	89.8	81	84.1	1.9	1	8.9	4.17	50.6	105	104.7	107	187	40
Aberdeen, ID	4886	Endeavor	2	38.0	87.9	75	80.4	1.9	1	11.9	4.62	41.2	158	102.0	350	201	55
Aberdeen, ID	4887	Endeavor	2	38.2	89.9	81	81.6	2.0	1	10.4	4.41	45.8	125	97.2	301	202	53
Aberdeen, ID	4888	Charles	2	42.3	94.6	82	82.5	2.2	1	11.2	4.86	47.2	145	100.1	204	224	58
Aberdeen, ID	4889	AB6669	2	37.7	91.6	86	83.2	2.0	1	8.5	4.21	54.5	82	100.2	29	180	42
Aberdeen, ID	4890	Charles	2	40.6	94.5	78	81.7	2.0	1	10.4	4.55	47.9	122	92.3	208	211	52
Aberdeen, ID	4891	Endeavor	2	37.3	87.9	79	82.3	1.9	1	9.4	4.36	48.5	107	84.6	150	192	39
Aberdeen, ID	4892	Charles	2	40.1	94.6	84	82.9	2.0	1	9.9	4.50	48.8	122	96.4	121	197	55
Aberdeen, ID	4893	Endeavor	2	37.3	89.4	84	83.2	2.0	1	8.2	4.25	56.2	98	100.3	52	181	40
Aberdeen, ID	4894	AB6669	2	36.8	80.0	76	80.6	1.9	1	11.0	4.90	46.2	139	100.1	61	223	52
Aberdeen, ID	4895	Charles	2	41.4	93.6	75	83.2	1.8	1	10.1	4.61	49.8	140	103.5	53	203	59
Aberdeen, ID	4896	AB6669	2	34.9	69.4	69	79.3	1.9	1	13.7	5.30	40.5	202	107.7	77	227	44
Aberdeen, ID	4897	Charles	2	40.5	90.5	74	81.1	2.1	1	12.8	5.27	43.3	179	103.8	234	243	62
Aberdeen, ID	4898	AB6669	2	34.6	66.3	80	80.3	1.7	1	11.6	4.86	44.3	152	101.3	81	204	57
Aberdeen, ID	4899	Endeavor	2	35.3	77.4	81	79.7	1.7	1	12.0	4.71	39.9	170	94.8	278	197	45

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Aberdeen, ID	4900	AB6669	2	33.1	68.2	63	79.4	1.9	1	12.2	4.93	42.4	155	103.7	106	211	50
Aberdeen, ID	4901	Charles	2	36.9	85.6	58	80.7	1.9	1	13.9	5.14	39.3	181	99.3	127	225	41
	4902	CONRAD MALT CHECK	2	40.6	97.1	55	82.4	2.1	1	11.9	5.21	46.5	149	91.6	237	224	62
Aberdeen, ID	4903	Endeavor	2	40.2	96.4	80	82.4	2.0	1	8.5	4.15	52.3	88	94.3	61	174	43
Aberdeen, ID	4904	AB6669	2	39.2	94.4	76	81.9	1.9	1	10.3	4.57	47.4	119	97.3	51	187	52
Aberdeen, ID	4905	Endeavor	2	41.8	96.2	81	81.6	2.1	1	10.1	4.69	49.9	114	93.3	64	207	56
Aberdeen, ID	4906	AB6669	2	36.9	86.9	67	81.1	1.8	1	11.6	4.83	44.2	141	99.5	39	206	63
Aberdeen, ID	4907	Charles	2	43.6	96.2	72	81.2	2.0	1	12.4	5.41	47.1	194	103.7	137	258	61
Aberdeen, ID	4908	Endeavor	2	37.6	88.5	71	79.8	2.1	1	12.9	5.05	40.5	206	101.9	214	231	53
Aberdeen, ID	4909	Charles	2	42.1	95.6	72	81.9	2.0	1	11.6	5.16	46.6	176	100.1	114	244	66
Aberdeen, ID	4910	AB6669	2	35.4	80.6	78	80.4	1.8	1	12.1	4.88	42.3	165	100.4	87	215	57
Aberdeen, ID	4911	AB6669	2	34.9	69.4	87	79.4	1.7	1	12.0	4.90	44.1	171	95.6	91	203	57
Aberdeen, ID	4912	AB6669	2	36.3	84.0	87	80.5	1.8	1	10.8	4.72	47.2	134	95.9	63	201	47
Aberdeen, ID	4913	Charles	2	40.5	93.6	78	81.0	2.0	1	11.6	5.10	45.3	159	92.7	210	229	62
Aberdeen, ID	4914	Charles	2	40.6	92.9	76	81.5	1.9	1	11.6	4.84	45.5	152	86.3	162	219	62
Aberdeen, ID	4915	Charles	2	41.4	96.6	76	84.6	2.0	1	7.8	4.32	60.7	92	97.0	23	192	48
Aberdeen, ID	4916	AB6669	2	36.3	89.7	83	83.4	1.7	1	8.7	4.26	53.4	99	90.6	21	176	37
Aberdeen, ID	4917	AB6669	2	35.9	83.5	82	81.9	1.7	1	9.9	4.47	50.2	115	90.6	29	181	45
Aberdeen, ID	4918	AB6669	2	33.3	66.3	86	80.4	1.7	1	10.3	4.51	45.3	125	88.6	29	183	50
Aberdeen, ID	4919	Charles	2	39.2	88.0	79	81.0	1.8	1	11.9	4.79	43.9	171	91.2	182	209	58
Aberdeen, ID	4920	Charles	2	41.3	93.9	76	82.6	1.8	1	10.8	4.78	46.6	141	92.8	103	213	60
Aberdeen, ID	4921	Charles	2	40.2	89.1	77	80.5	2.1	1	12.4	5.05	42.6	171	93.4	186	235	57
Aberdeen, ID	4922	Charles	2	41.1	96.1	72	83.9	2.0	1	9.3	4.42	50.8	117	95.5	32	208	56
Aberdeen, ID	4923	AB6669	2	34.5	73.4	83	81.9	1.9	1	9.7	4.45	49.1	117	94.9	27	181	45
Aberdeen, ID	4924	Endeavor	2	35.4	77.2	76	78.6	1.9	1	13.3	4.82	39.0	161	89.5	317	212	37
Aberdeen, ID	4925	AB6669	2	36.0	79.3	76	80.7	1.9	1	13.1	4.97	40.3	158	95.7	69	220	52
Aberdeen, ID	4926	Endeavor	2	37.4	87.4	74	79.0	1.7	1	13.3	4.78	37.5	168	92.7	264	191	40
Aberdeen, ID	4927	Endeavor	2	41.2	96.6	71	81.5	1.9	1	10.5	4.56	44.5	118	92.1	183	199	54
Aberdeen, ID	4928	AB6669	2	40.7	98.4	77	83.7	2.1	1	9.0	4.24	51.9	87	92.5	26	180	46
Aberdeen, ID	4929	AB6669	2	41.6	98.1	75	83.9	2.1	1	8.1	4.16	55.9	72	91.2	24	172	43
Aberdeen, ID	4930	Endeavor	2	38.7	90.7	74	82.4	2.0	1	9.6	4.32	48.3	117	92.9	119	181	44
Aberdeen, ID	4931	Charles	2	43.5	97.4	68	83.3	2.1	1	10.8	4.74	48.3	144	103.1	69	231	60
Aberdeen, ID	4932	Charles	2	42.9	98.1	65	84.7	2.2	1	8.7	4.31	54.0	98	105.3	25	187	47
	4933	CONRAD MALT CHECK	2	40.3	97.0	54	82.0	2.3	1	12.3	5.20	44.6	144	88.8	180	229	62
Aberdeen, ID	4934	Charles	2	41.0	97.1	69	82.4	2.2	1	10.7	4.88	48.7	129	96.3	158	227	52
Aberdeen, ID	4935	Charles	2	42.3	96.8	73	83.0	2.2	1	9.8	4.75	49.6	126	100.2	83	224	60
Aberdeen, ID	4936	Endeavor	2	39.6	93.2	78	82.6	2.3	1	8.4	4.40	53.9	92	93.0	110	195	46
Aberdeen, ID	4937	Charles	2	39.1	92.5	82	80.3	2.3	1	12.0	4.99	44.8	145	90.5	166	215	57
Aberdeen, ID	4938	Charles	2	42.6	97.5	75	84.4	2.4	1	7.4	4.21	63.4	72	98.7	22	183	47
Aberdeen, ID	4939	Endeavor	2	38.2	89.8	80	80.7	2.3	1	11.2	4.78	45.5	138	93.8	296	205	55
Aberdeen, ID	4940	Endeavor	2	40.3	94.0	79	83.5	2.3	1	7.7	4.28	57.9	86	92.8	64	187	46
Aberdeen, ID	4941	Charles	2	42.7	98.1	78	85.0	2.4	1	7.5	4.10	60.9	69	91.5	22	175	44
Aberdeen, ID	4942	Endeavor	2	33.1	62.0	88	79.9	1.9	1	9.6	4.24	47.6	118	82.9	319	160	28
Aberdeen, ID	4943	Charles	2	40.2	97.1	85	84.3	2.0	1	7.8	4.21	58.2	94	95.7	38	183	46
Aberdeen, ID	4944	AB6669	2	37.6	93.7	88	83.9	2.1	1	7.2	4.12	62.2	77	95.2	19	168	39
Aberdeen, ID	4945	Endeavor	2	40.0	95.1	75	83.4	2.0	1	8.1	4.37	56.2	100	97.1	60	183	46
Aberdeen, ID	4946	Charles	2	43.9	96.7	73	83.6	2.1	1	9.7	4.77	52.5	125	98.1	53	223	60
Aberdeen, ID	4947	Endeavor	2	40.1	92.5	81	82.9	2.1	1	7.7	4.24	57.2	97	91.8	43	186	46
Aberdeen, ID	4948	AB6669	2	37.8	93.9	88	83.2	2.0	1	7.9	4.23	57.2	81	96.9	23	173	39
Aberdeen, ID	4949	Endeavor	2	36.0	83.6	80	80.0	1.9	1	11.3	4.72	44.1	150	95.2	204	210	50
Aberdeen, ID	4950	Charles	2	35.0	85.6	63	77.7	2.1	1	14.9	5.24	36.0	189	95.1	223	237	31
Aberdeen, ID	4951	Endeavor	2	37.5	90.4	71	80.5	2.0	1	12.5	4.86	42.0	145	89.3	250	216	55
Wooster, OH	4952	SLSN-001	2	39.4	92.0	36	80.1	2.4	1	13.1	4.67	38.6	100	70.8	256	180	35
Wooster, OH	4953	SLSN-007	2	30.8	85.7	40	76.0	1.8	1	16.1	4.67	29.6	136	47.4	343	167	23
Wooster, OH	4954	SLSN-012	2	35.5	85.8	48	79.0	2.6	1	14.0	5.30	39.2	99	94.0	537	231	28

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Wooster, OH	4955	SLSN-016	2	34.9	85.4	50	77.3	n.d.	3	12.8	4.21	33.7	102	54.5	773	139	27
Wooster, OH	4956	SLSN-017	2	33.0	83.8	31	76.3	2.2	1	15.7	4.56	30.7	118	46.7	565	158	17
Wooster, OH	4957	SLSN-018	2	36.6	88.9	39	76.7	2.3	1	14.0	4.46	32.1	100	51.1	558	151	23
Wooster, OH	4958	SLSN-020	2	37.9	94.1	39	77.6	n.d.	3	13.8	4.23	31.7	112	44.0	662	145	16
Wooster, OH	4959	SLSN-021	2	35.1	84.3	45	79.3	2.4	1	12.6	4.36	35.7	104	52.3	610	152	30
Wooster, OH	4960	SLSN-022	2	40.0	90.4	27	80.1	n.d.	3	13.5	5.03	37.9	116	59.2	260	183	42
Wooster, OH	4961	SLSN-023	2	31.6	71.2	43	76.0	n.d.	3	13.5	4.16	30.9	80	45.2	740	128	7
Wooster, OH	4962	SLSN-025	2	29.8	70.8	36	77.1	n.d.	3	13.7	4.47	33.6	83	46.7	649	170	11
Wooster, OH	4963	SLSN-026	2	32.8	79.9	30	76.6	2.9	2	15.2	4.80	32.0	115	45.2	501	171	16
	4964	CONRAD MALT CHECK	2	39.9	97.4	52	81.9	2.4	1	12.4	5.13	43.9	131	91.7	206	219	60
Wooster, OH	4965	SLSN-027	2	35.6	85.2	40	77.1	n.d.	3	14.5	4.78	33.6	88	64.1	574	193	22
Wooster, OH	4966	SLSN-028	2	41.6	89.4	32	78.7	2.8	2	13.2	4.68	36.5	83	66.4	401	174	31
Wooster, OH	4967	SLSN-029	2	43.0	86.6	29	76.0	2.7	1	17.0	5.33	32.7	130	71.6	557	209	36
Wooster, OH	4968	SLSN-031	2	36.3	86.6	36	76.9	3.4	2	14.0	4.32	31.3	89	38.1	707	148	7
Wooster, OH	4969	SLSN-034	2	37.2	78.8	33	77.9	2.3	1	13.9	4.56	33.6	109	52.0	630	176	20
Wooster, OH	4970	SLSN-038	2	37.5	88.1	48	74.7	n.d.	3	16.9	4.98	30.4	102	54.8	673	176	21
Wooster, OH	4971	Champion of Vermont (Ciho 1892)	2	36.2	94.6	12	80.3	5.5	1	12.3	5.87	47.9	71	87.2	185	289	39
Wooster, OH	4972	Childs (Ciho 2291)	2	27.0	58.1	33	73.8	3.0	1	13.1	4.75	38.1	101	53.1	530	182	28
Wooster, OH	4973	Erie (Ciho 8080)	2	25.6	49.4	37	73.5	2.9	1	12.7	4.57	36.3	96	51.6	475	173	26
Wooster, OH	4974	ND 4998 (PI 643231)	2	35.3	88.0	42	79.8	3.8	1	13.1	5.94	46.8	78	119.7	291	267	37
Wooster, OH	4975	ND 5021-3 (PI 643232)	2	27.1	53.8	36	74.1	2.8	1	11.9	4.52	39.4	102	59.6	492	172	30
Wooster, OH	4976	ND 5692 (PI 643234)	2	26.0	57.5	32	74.0	3.3	1	12.1	4.77	42.3	99	60.4	464	181	34
Wooster, OH	4977	ND 5976 (PI 643238)	2	32.2	78.7	25	79.0	8.6	2	12.8	6.68	53.3	72	102.5	53	314	34
Wooster, OH	4978	ND 7014 (PI 643239)	2	26.9	60.8	33	74.6	2.7	1	12.9	4.56	36.1	96	57.3	541	177	26
Wooster, OH	4979	ND 8763 (PI 643247)	2	27.3	54.7	34	74.1	2.4	1	13.6	4.60	35.4	128	57.7	536	180	26
Wooster, OH	4980	Otis (Ciho 7557)	2	28.1	53.5	32	71.0	2.4	1	18.1	5.25	29.9	67	66.0	576	194	21
Wooster, OH	4981	Spartan (Ciho 5027)	2	35.4	83.0	33	74.9	2.8	2	16.5	4.86	29.7	108	58.9	667	172	19
Wooster, OH	4982	Two Row Latvia (Ciho 5078)	2	40.0	87.3	33	72.7	2.6	1	17.0	5.31	31.9	178	64.7	634	199	33
Bozeman, MT	4983	2016 Training Plot: 1150	2	42.6	95.5	88	79.0	1.7	1	12.4	4.09	33.7	128	72.0	395	156	43
Bozeman, MT	4984	10WA-106.20	2	46.4	97.6	64	78.1	1.6	1	13.2	4.40	33.7	127	65.6	364	172	42
Pullman, WA	4985	10WA-105.33	2	43.9	98.5	64	75.7	1.5	1	14.9	3.96	27.8	111	56.4	595	129	23
Pullman, WA	4986	12WA-122.9	2	38.3	89.4	72	77.7	1.7	1	12.9	4.07	31.8	124	66.9	327	153	34
Pullman, WA	4987	11WA-105.13	2	41.9	93.4	80	77.2	1.4	1	13.2	3.82	30.3	103	59.6	361	127	27
Pullman, WA	4988	Lenetah	2	45.2	96.3	65	78.4	1.5	1	13.5	4.19	31.9	107	59.5	436	151	35
Pullman, WA	4989	11WA-101.28	2	44.0	94.6	71	77.0	1.9	2	12.6	3.84	31.4	77	59.5	333	124	28
Pullman, WA	4990	11WA-105.2	2	43.1	95.7	75	76.9	1.5	1	12.9	3.77	30.6	99	53.6	565	123	29
Pullman, WA	4991	11WA-102.23	2	41.3	94.8	70	76.2	1.7	2	13.6	3.71	28.8	114	52.2	407	111	21
Pullman, WA	4992	10WA-106.29	2	42.7	94.4	78	77.7	1.4	1	13.0	3.95	31.7	137	62.4	337	136	36
Pullman, WA	4993	12WA-104.13	2	41.4	94.5	76	76.9	1.6	1	13.2	3.79	29.0	77	51.2	463	129	23
Pullman, WA	4994	11WA-110.1	2	42.5	95.9	69	76.3	1.5	1	14.4	3.85	28.4	138	61.6	491	129	26
	4995	CONRAD MALT CHECK	2	40.6	97.9	56	81.5	2.3	1	12.5	4.92	41.6	158	101.4	163	218	62
Pullman, WA	4996	10WA-113.5	2	42.4	96.0	66	76.2	1.5	1	14.0	3.93	29.0	122	60.1	412	133	26
Pullman, WA	4997	10WA-102.2	2	43.8	97.6	73	76.7	1.3	1	13.2	3.77	29.2	107	55.5	517	122	28
Pullman, WA	4998	09WA-232.4	2	40.5	90.2	67	75.5	1.5	1	14.5	3.65	25.8	105	43.2	676	111	19
Pullman, WA	4999	11WA-103.32	2	40.4	92.6	75	77.3	1.5	1	13.4	3.76	28.9	115	56.5	311	124	27
Pullman, WA	5000	09WA-217.6	2	41.4	92.9	75	77.2	1.5	1	13.8	3.58	27.8	106	49.8	681	114	19
Pullman, WA	5001	09WA-228.13	2	45.8	97.6	71	77.4	1.4	1	13.3	3.90	29.4	113	61.3	507	126	28
Pullman, WA	5002	12WA-115.2	2	41.5	92.1	75	75.3	1.5	1	13.9	3.91	29.9	125	60.4	476	131	25
Pullman, WA	5003	10WA-104.A	2	41.8	96.7	63	74.8	1.8	1	13.5	3.70	28.9	117	55.6	345	115	27
Pullman, WA	5004	10WA-105.22	2	45.8	98.4	68	77.0	1.3	1	13.4	3.70	28.0	77	52.9	558	123	24
Pullman, WA	5005	12WA-125.2	2	45.1	95.7	58	75.4	1.4	1	14.0	4.35	32.6	116	65.3	488	150	26
Pullman, WA	5006	12WA-112.20	2	45.8	96.7	61	76.1	1.5	1	14.3	4.46	31.6	126	73.0	413	152	33
Pullman, WA	5007	12WA-103.6	2	45.0	97.4	69	77.0	2.0	1	13.9	4.56	34.1	108	62.3	556	164	30
Pullman, WA	5008	Lyon	2	43.1	94.4	67	75.8	1.4	1	14.0	4.34	33.0	132	58.9	515	143	29
Pullman, WA	5009	12WA-112.11	2	43.9	95.7	62	76.0	1.5	1	13.3	4.15	32.5	109	58.4	508	135	31

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Pullman, WA	5010	12WA-107.11	2	42.6	98.6	43	76.3	1.6	1	13.3	4.07	31.6	84	66.2	774	123	27
Pullman, WA	5011	12WA-104.11	2	46.2	98.3	59	77.7	1.6	1	12.5	4.09	34.8	61	54.5	591	134	32
Pullman, WA	5012	11WA-103.22	2	45.1	97.8	65	77.4	1.6	1	12.7	4.03	33.0	96	50.6	348	125	32
Pullman, WA	5013	11WA-113.10	2	42.2	98.4	77	77.1	1.4	1	13.0	4.30	35.1	117	69.0	250	149	36
Pullman, WA	5014	10WA-125.4	2	44.2	99.3	56	77.3	2.5	2	13.0	3.87	30.8	72	50.6	534	122	23
Pullman, WA	5015	11WA-107.20	2	44.0	97.6	67	77.4	1.5	1	13.3	4.15	32.0	111	61.2	535	145	31
Pullman, WA	5016	11WA-112.20	2	43.4	94.8	65	78.1	1.5	1	12.4	3.94	32.9	136	55.3	299	119	40
Pullman, WA	5017	10WA-114.1	2	41.1	94.4	55	78.2	1.5	1	13.6	3.84	28.8	76	47.9	798	110	19
Pullman, WA	5018	12WA-121.8	2	44.2	98.5	71	76.6	1.7	1	13.4	4.22	32.1	123	55.0	499	148	34
Pullman, WA	5019	10WA-106.16	2	44.2	97.3	58	77.2	1.4	1	13.1	4.09	31.2	120	59.2	427	138	34
Pullman, WA	5020	12WA-108.14	2	42.2	95.8	68	78.7	2.2	1	13.6	4.92	38.5	130	81.2	229	200	42
Pullman, WA	5021	11WA-102.21	2	42.1	96.7	63	77.2	n.d.	3	12.3	3.87	32.3	78	48.9	413	106	24
Pullman, WA	5022	11WA-112.15	2	40.3	93.4	64	76.6	1.5	1	13.6	4.20	31.7	143	67.3	434	129	28
Pullman, WA	5023	11WA-106.21	2	41.2	96.6	64	76.6	2.6	1	12.4	3.78	31.7	82	47.0	517	100	25
Pullman, WA	5024	Champion	2	47.7	98.4	69	78.2	1.7	1	13.6	4.25	32.5	94	62.1	508	144	26
Williston, ND	5025	ROBUST	6	33.6	92.9	40	80.5	2.1	1	13.3	5.36	41.1	178	79.8	165	218	61
	5026	LACEY MALT CHECK	6	33.1	89.0	42	80.8	3.1	1	13.3	5.95	45.6	163	92.2	44	254	66
Williston, ND	5027	LACEY	6	34.4	94.1	44	79.9	2.0	1	13.3	5.42	42.2	225	98.5	47	229	70
Williston, ND	5028	TRADITION	6	34.5	96.6	44	78.7	1.9	1	13.6	5.09	37.5	268	86.5	79	198	51
Williston, ND	5029	STELLAR-ND	6	34.1	95.3	40	80.5	2.2	1	12.6	5.29	45.3	227	95.1	44	225	70
Williston, ND	5030	QUEST	6	32.9	91.4	39	79.5	2.0	1	13.5	5.43	41.6	208	96.6	192	226	53
Williston, ND	5031	ND34012	6	31.1	88.7	48	80.0	2.3	1	12.1	4.98	42.7	187	90.8	58	206	65
Williston, ND	5032	ND34118	6	35.9	96.5	37	81.4	2.7	1	10.9	5.19	50.7	136	91.8	49	236	53
Williston, ND	5033	ND34141	6	32.7	96.4	36	79.9	2.5	1	12.5	5.40	44.6	195	90.3	53	232	70
Williston, ND	5034	ND34166	6	33.8	97.9	43	81.2	2.8	1	11.3	5.41	50.9	177	102.3	28	252	60
Williston, ND	5035	ND34167	6	32.5	98.2	41	80.9	2.4	1	12.4	5.31	46.0	177	90.7	74	225	70
Williston, ND	5036	ND34213	6	34.8	98.0	40	79.4	2.2	1	12.6	5.55	45.1	210	88.7	40	230	70
Williston, ND	5037	ND34306	6	34.5	95.3	45	80.4	2.2	1	11.6	5.03	46.3	176	88.1	52	222	66
Williston, ND	5038	ND34316	6	33.6	91.1	40	79.4	2.1	1	12.5	5.21	44.0	161	85.9	69	221	70
Williston, ND	5039	ND34317	6	34.2	93.4	37	79.0	1.9	1	13.1	5.29	42.0	218	92.3	65	234	70
Williston, ND	5040	ND34318	6	35.8	93.2	38	79.7	2.1	1	13.0	5.28	43.7	204	93.7	86	243	70
Williston, ND	5041	ND34351	6	32.7	94.2	32	78.7	2.0	1	12.8	5.38	42.9	202	94.9	45	234	67
Williston, ND	5042	ND34375	6	36.4	96.8	36	79.7	2.1	1	12.2	4.95	43.8	187	94.6	80	215	66
Williston, ND	5043	ND34377	6	35.8	96.8	41	80.4	2.1	1	12.2	5.23	44.9	183	95.9	67	235	70
Williston, ND	5044	ND34380	6	33.3	95.5	41	80.7	2.3	1	12.6	5.34	46.0	194	98.6	111	248	70
Mead, NB	5045	P-713	6	26.9	58.5	43	74.3	2.0	1	14.9	5.08	36.3	180	55.3	424	186	19
Mead, NB	5046	P-721	6	25.4	45.5	34	75.5	2.0	1	13.1	4.75	38.0	136	53.2	493	183	23
Mead, NB	5047	P-954	6	24.4	42.6	32	74.5	3.4	2	14.6	5.14	35.4	126	53.2	464	198	18
Mead, NB	5048	NB10444	6	25.3	39.0	50	72.0	2.4	2	14.1	4.26	31.2	128	37.7	693	129	5
Mead, NB	5049	NB99845	6	26.6	59.6	46	75.9	1.8	1	13.1	4.80	39.2	124	50.7	494	180	23
Mead, NB	5050	NB11414	6	25.6	47.9	44	73.4	2.3	2	13.5	4.50	34.3	130	40.7	557	138	14
Mead, NB	5051	NB11416	6	26.0	50.5	46	74.1	2.0	2	13.6	4.77	36.3	156	47.3	468	170	17
Mead, NB	5052	NB11430	6	28.1	77.7	38	75.6	2.0	1	12.8	4.46	36.8	123	46.3	517	178	25
Mead, NB	5053	NB12419	6	25.8	45.5	44	74.0	2.8	2	13.7	4.42	34.7	140	42.0	413	146	14
Mead, NB	5054	NB12425	6	28.3	54.1	47	73.7	2.1	2	14.7	4.36	31.6	105	38.4	686	142	3
Mead, NB	5055	NB12434	6	30.3	70.9	39	74.9	2.5	2	14.5	4.20	31.1	164	48.4	566	130	16
Mead, NB	5056	NB12437	6	24.8	28.1	34	72.5	2.9	2	13.7	4.87	35.7	127	43.4	491	170	17
	5057	LACEY MALT CHECK	6	32.7	90.8	43	80.1	2.9	2	13.5	5.93	45.9	175	87.6	78	267	65
Mead, NB	5058	NB13401	6	27.9	57.1	43	76.8	2.7	2	11.3	4.50	41.9	120	47.2	294	152	14
Mead, NB	5059	NB13435	6	25.5	49.4	46	72.9	2.5	2	14.1	4.65	34.5	158	46.8	547	163	12
Mead, NB	5060	NB14404	6	28.3	73.4	30	75.9	3.0	2	14.2	4.83	36.2	114	50.0	652	184	13
Mead, NB	5061	NB14405	6	28.4	60.8	53	75.7	2.8	2	12.5	4.65	39.1	139	57.6	508	162	24
Mead, NB	5062	NB14412	6	24.2	21.0	40	73.7	1.9	1	12.6	4.78	39.6	133	47.2	330	200	23
Mead, NB	5063	NB14428	6	26.0	58.3	37	73.6	1.8	1	13.5	4.66	35.5	170	41.1	463	187	23
Mead, NB	5064	NB14429	6	25.8	52.7	33	72.2	2.7	2	14.1	4.32	31.6	159	41.8	569	157	12

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Mead, NB	5065	NB14430	6	25.2	62.7	18	73.6	2.7	2	13.5	4.39	33.0	180	38.4	630	156	18
Mead, NB	5066	NB14433	6	29.9	66.3	14	75.1	2.9	2	12.7	4.24	34.3	99	39.8	734	139	13
Mead, NB	5067	NB14422	6	24.1	17.4	47	73.5	1.8	1	12.9	4.73	37.0	121	42.3	536	190	23
Mead, NB	5068	NB15414	6	28.8	55.0	36	75.2	1.8	1	12.8	4.84	40.0	177	49.7	352	178	28
Mead, NB	5069	NB15439	6	27.0	43.5	50	75.1	2.2	1	13.9	5.19	39.7	154	50.7	345	216	29
Mead, NB	5070	NB15420	6	28.4	67.7	33	76.1	1.8	1	13.1	4.64	37.9	124	51.6	549	189	25
Mead, NB	5071	NB15442	6	27.8	57.9	33	75.5	1.9	1	11.8	4.70	41.4	135	54.7	511	193	26
Mead, NB	5072	NB15440	6	29.8	74.2	33	75.0	n.d.	3	13.4	5.16	38.8	140	43.6	689	183	29
Mead, NB	5073	NB15419	6	26.0	35.7	48	73.7	2.0	1	11.9	4.22	36.9	153	46.3	557	152	23
Mead, NB	5074	NB15441	6	29.4	65.0	37	75.7	2.3	1	11.9	4.74	43.5	124	54.0	412	204	35
Mead, NB	5075	NB15417	6	29.8	67.6	38	74.9	2.5	2	12.1	4.10	34.6	121	46.4	773	136	21
Mead, NB	5076	NB15443	6	27.4	59.6	40	73.5	2.8	2	14.0	4.49	33.3	172	49.9	680	159	17
Mead, NB	5077	NB15415	6	29.1	68.7	36	75.7	2.5	1	11.9	4.13	37.8	113	46.9	764	137	18
St. Paul, MN	5078	09AB-87	2	34.1	60.8	35	78.5	4.0	1	14.4	6.47	47.3	137	111.3	273	318	25
St. Paul, MN	5079	08WA-16	2	37.9	83.6	40	76.3	2.3	1	14.4	5.42	38.1	143	78.5	349	225	28
St. Paul, MN	5080	AAC_Synergy	2	39.4	92.5	42	81.2	3.1	1	13.1	6.48	50.4	125	119.8	215	300	43
St. Paul, MN	5081	08MT-73	2	33.6	79.1	40	79.4	2.7	1	13.3	5.81	45.6	159	84.0	336	247	41
St. Paul, MN	5082	2MS14_3307-008	2	38.0	83.8	48	79.9	2.7	1	13.3	5.97	45.6	171	130.2	316	275	41
St. Paul, MN	5083	09N2-65	2	37.1	82.5	41	79.2	2.9	1	13.7	5.94	45.6	139	94.1	383	258	33
St. Paul, MN	5084	2MS14_3317-006	2	39.1	95.4	38	79.6	2.1	1	13.6	5.21	40.7	134	65.6	455	201	47
St. Paul, MN	5085	06N2-67	2	43.9	93.8	40	81.0	2.9	1	14.8	6.36	44.1	90	103.5	480	291	36
St. Paul, MN	5086	2MS14_3336-002	2	44.1	89.6	50	76.4	2.1	1	15.5	5.54	36.5	134	70.6	590	210	36
St. Paul, MN	5087	2MS14_3316-020	2	43.2	87.9	32	81.9	3.7	1	14.6	6.89	47.3	133	106.2	432	326	39
	5088	CONRAD MALT CHECK	2	41.7	98.0	53	82.0	2.3	1	12.5	5.31	43.7	148	95.4	298	226	62
St. Paul, MN	5089	08MT-79	2	38.5	85.2	37	76.9	3.5	1	18.7	6.91	38.9	125	103.1	567	322	26
St. Paul, MN	5090	07WA-45	2	43.4	94.9	36	78.2	3.9	1	15.4	6.76	44.0	103	90.0	452	301	37
St. Paul, MN	5091	ND_Genesis	2	41.3	91.0	40	81.0	2.8	1	13.1	5.66	45.2	120	103.7	474	250	50
St. Paul, MN	5092	09N2-84	2	37.3	88.3	38	79.7	2.8	1	12.4	5.39	43.6	115	103.9	480	228	50
St. Paul, MN	5093	08AB-17	2	38.6	75.3	38	78.9	3.6	1	14.1	6.09	43.9	130	103.5	414	288	32
St. Paul, MN	5094	09N2-72	2	36.2	79.8	37	78.6	2.1	1	14.6	5.42	37.1	142	87.3	446	217	32
St. Paul, MN	5095	09N2-38	2	42.7	90.6	38	80.4	3.0	1	14.7	6.05	41.8	113	99.5	606	264	40
St. Paul, MN	5096	09N2-62	2	39.9	89.8	15	82.3	2.6	1	14.9	6.30	44.6	118	98.9	529	280	38
St. Paul, MN	5097	08N2-77	2	38.9	82.4	39	78.6	3.0	1	13.6	5.74	42.8	128	83.9	433	228	35
St. Paul, MN	5098	06WA-58	2	41.0	94.1	35	79.5	3.1	1	15.1	5.83	39.5	114	63.4	673	236	37
St. Paul, MN	5099	08AB-47	2	38.5	87.1	32	78.2	3.0	1	15.1	6.11	40.6	143	118.4	403	269	35
St. Paul, MN	5100	Pinnacle	2	40.0	90.8	32	80.3	2.4	1	12.6	5.12	40.7	103	81.3	542	206	56
St. Paul, MN	5101	06WA-90	2	38.0	82.9	37	78.3	2.4	1	14.8	5.22	35.4	131	79.2	617	195	34
St. Paul, MN	5102	06N2-56	2	40.8	92.0	54	81.7	2.4	1	13.3	5.68	45.6	112	90.0	599	253	50
St. Paul, MN	5103	08N2-42	2	43.6	92.4	45	80.9	2.0	1	13.0	5.34	43.4	98	73.8	588	236	48
St. Paul, MN	5104	08WA-53	2	40.8	86.0	36	80.0	3.3	1	14.3	6.36	45.7	130	93.8	426	292	40
St. Paul, MN	5105	09AB-27	2	40.6	82.2	43	79.7	3.5	1	15.5	7.09	45.8	166	110.9	194	338	37
St. Paul, MN	5106	2MS14_3301-016	2	41.6	89.0	29	80.8	4.4	1	13.5	6.08	45.8	45	99.7	569	269	38
St. Paul, MN	5107	ND_Genesis	2	40.5	90.4	42	80.4	2.9	1	12.2	5.66	46.4	107	92.8	464	245	52
St. Paul, MN	5108	07AB-93	2	38.3	86.9	48	78.5	2.2	1	15.9	5.83	36.7	198	65.2	368	229	33
St. Paul, MN	5109	06N2-81	2	42.9	92.8	43	79.8	2.1	1	14.1	5.40	38.8	138	80.9	471	218	45
St. Paul, MN	5110	07N2-01	2	44.9	98.0	49	81.7	3.5	1	15.1	7.17	48.3	82	87.3	392	344	34
St. Paul, MN	5111	09N2-21	2	39.1	92.8	52	79.9	2.2	1	12.5	5.49	45.1	102	98.3	331	250	54
St. Paul, MN	5112	2MS14_3318-006	2	39.0	90.3	37	78.3	2.7	1	16.6	6.43	39.7	164	111.0	429	288	32
St. Paul, MN	5113	Conlon	2	42.1	94.7	49	80.1	2.0	1	15.2	5.90	39.4	163	88.1	501	234	41
St. Paul, MN	5114	07N2-47	2	41.3	92.8	48	81.2	2.8	1	13.6	6.33	47.7	80	84.3	247	297	33
St. Paul, MN	5115	2MS14_3314-015	2	37.3	85.2	42	80.7	2.8	1	13.9	6.21	45.2	121	111.1	387	278	36
St. Paul, MN	5116	07N2-14	2	40.2	92.0	41	79.4	2.7	1	15.2	5.98	42.2	145	93.4	466	255	42
St. Paul, MN	5117	09N2-66	2	42.3	93.6	47	79.2	2.2	1	15.1	6.07	41.7	140	86.3	351	244	40
St. Paul, MN	5118	08N2-22	2	36.7	89.0	47	81.7	2.1	1	12.6	5.37	42.9	136	105.3	436	210	56
	5119	CONRAD MALT CHECK	2	39.9	97.3	55	82.1	2.2	1	12.3	5.44	46.4	129	87.9	250	223	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	5120	08N2-18	2	47.3	95.0	44	79.9	3.4	1	14.9	6.71	46.9	94	80.0	567	288	36
St. Paul, MN	5121	08N2-36	2	42.0	93.4	44	79.0	2.1	1	14.5	5.92	41.0	136	86.1	433	236	42
St. Paul, MN	5122	07N2-28	2	37.9	87.2	44	80.1	2.5	1	13.3	5.95	47.0	124	106.6	293	261	44
St. Paul, MN	5123	08WA-04	2	38.9	89.7	36	77.8	1.7	1	14.8	5.19	36.6	156	61.4	436	187	31
St. Paul, MN	5124	09AB-51	2	37.2	87.0	40	80.7	3.2	1	14.5	6.62	45.6	128	93.4	170	308	36
St. Paul, MN	5125	07N2-43	2	39.4	90.4	43	80.9	1.9	1	13.2	5.45	41.8	132	72.6	519	215	52
St. Paul, MN	5126	09N2-91	2	37.3	78.6	45	78.2	2.6	1	14.1	5.82	42.6	187	96.4	398	229	33
St. Paul, MN	5127	07MT-10	2	34.0	62.4	0	81.2	1.4	1	19.0	5.47	29.9	195	89.5	484	170	33
St. Paul, MN	5128	09N2-67	2	38.8	84.1	45	78.4	2.4	1	14.4	6.05	44.6	135	101.0	250	253	32
St. Paul, MN	5129	09N2-16	2	41.7	93.8	36	78.3	3.5	1	15.1	6.29	44.5	97	86.6	399	259	32
St. Paul, MN	5130	2MS14_3305-002	2	37.7	93.7	41	79.0	2.6	1	15.1	6.31	43.8	161	90.8	266	264	35
St. Paul, MN	5131	LCS_Genie	2	37.2	84.8	20	77.4	3.6	1	16.2	6.68	42.0	206	98.7	78	286	33
St. Paul, MN	5132	2MS14_3308-020	2	36.1	86.4	38	78.2	2.7	1	15.1	5.78	40.1	141	106.4	466	246	36
St. Paul, MN	5133	2MS14_3340-025	2	39.0	88.8	39	80.0	3.3	1	13.9	6.51	48.6	105	112.3	352	288	30
St. Paul, MN	5134	06N2-35	2	44.2	94.2	41	79.5	2.9	1	13.2	6.05	46.2	118	105.3	241	279	45
St. Paul, MN	5135	07N2-83	2	39.2	91.6	22	80.6	3.0	1	14.7	6.99	50.3	122	113.3	306	325	35
St. Paul, MN	5136	2MS14_3316-005	2	36.3	72.4	31	79.4	3.7	1	13.7	6.10	46.3	120	102.8	323	280	27
St. Paul, MN	5137	09N2-69	2	40.1	85.5	38	80.3	2.5	1	14.4	6.05	44.3	131	98.4	406	252	40
St. Paul, MN	5138	08WA-27	2	40.5	85.0	34	78.1	2.3	1	15.3	5.99	40.4	132	84.8	490	243	40
St. Paul, MN	5139	06N2-79	2	43.5	93.7	52	77.9	2.3	1	15.0	6.20	42.1	145	80.0	404	247	36
St. Paul, MN	5140	06WA-39	2	36.7	84.8	30	77.9	2.8	1	15.4	5.70	37.1	139	93.4	431	228	24
St. Paul, MN	5141	09N2-31	2	43.6	94.7	38	80.7	2.2	1	12.7	5.10	40.3	89	71.8	576	196	53
St. Paul, MN	5142	06N2-02	2	40.6	95.0	33	81.5	2.2	1	13.9	6.10	46.8	159	90.9	411	255	45
St. Paul, MN	5143	07WA-17	2	39.0	92.2	34	77.9	3.9	1	16.7	7.27	45.7	152	113.7	248	328	33
St. Paul, MN	5144	07AB-59	2	34.7	77.8	33	77.6	3.5	1	16.3	6.59	40.9	160	109.6	370	272	26
St. Paul, MN	5145	06N2-64	2	39.0	93.1	45	78.9	2.7	1	14.0	6.30	45.4	110	90.5	187	275	34
St. Paul, MN	5146	2MS14_3309-029	2	36.3	82.7	43	79.0	2.6	1	16.1	6.07	39.5	171	103.4	462	251	25
St. Paul, MN	5147	08AB-23	2	37.7	88.3	21	76.9	3.0	1	17.3	6.88	39.8	161	108.8	359	287	24
St. Paul, MN	5148	09AB-54	2	36.6	86.7	50	79.2	3.3	1	16.4	6.86	42.5	171	110.3	216	313	33
St. Paul, MN	5149	LCS_Genie	2	37.4	86.0	28	77.2	3.9	1	16.9	7.21	42.7	229	96.3	92	306	36
St. Paul, MN	5150	CONRAD MALT CHECK	2	41.1	97.5	53	81.5	2.0	1	12.4	5.39	44.6	159	80.9	247	215	62
St. Paul, MN	5151	06N2-51	2	37.3	81.2	45	78.3	2.3	1	14.8	5.91	40.4	122	85.4	408	250	33
St. Paul, MN	5152	08N2-64	2	39.5	90.2	32	79.2	2.6	1	14.4	6.08	43.2	148	77.5	306	256	37
St. Paul, MN	5153	08WA-15	2	36.9	71.3	45	77.7	3.2	1	15.0	6.40	43.8	104	81.2	313	281	23
St. Paul, MN	5154	07N2-68	2	38.9	86.5	40	79.2	2.9	1	13.0	5.94	46.2	110	96.7	400	260	40
St. Paul, MN	5155	2MS14_3342-004	2	42.3	86.2	30	80.0	2.7	1	14.2	6.19	44.6	154	95.3	466	250	41
St. Paul, MN	5156	07AB-85	2	39.6	88.9	14	79.0	3.1	1	15.6	6.55	42.1	157	108.6	301	270	35
St. Paul, MN	5157	06N2-47	2	39.5	92.5	49	80.4	2.3	1	14.2	5.43	40.4	115	91.2	704	210	44
St. Paul, MN	5158	06N2-53	2	40.3	96.4	48	81.6	2.2	1	12.8	5.76	47.5	117	85.8	507	236	50
St. Paul, MN	5159	2MS14_3342-013	2	35.8	80.9	40	79.9	2.5	1	14.8	6.15	43.7	153	120.3	534	255	33
St. Paul, MN	5160	2MS14_3301-021	2	41.7	93.5	30	80.4	2.9	1	14.0	6.14	45.5	100	116.9	608	261	35
St. Paul, MN	5161	2MS14_3328-025	2	35.3	80.9	33	79.8	3.6	1	15.8	6.99	46.4	167	108.3	253	307	33
St. Paul, MN	5162	08N2-93	2	46.7	94.9	23	79.5	3.3	1	14.1	6.47	46.4	146	82.2	353	266	43
St. Paul, MN	5163	Pinnacle	2	39.3	91.9	38	80.7	2.5	1	12.4	5.40	44.6	79	75.5	467	216	50
St. Paul, MN	5164	09N2-83	2	40.5	93.7	54	80.8	2.5	2	13.9	5.42	39.9	113	77.6	716	206	40
St. Paul, MN	5165	09N2-60	2	41.8	90.1	40	79.6	2.3	1	15.7	6.28	40.9	134	94.7	408	257	42
St. Paul, MN	5166	CDC_Copeland	2	38.3	83.9	48	79.9	3.1	1	14.6	6.51	47.0	137	95.3	270	265	35
St. Paul, MN	5167	07AB-84	2	38.6	89.3	46	76.7	3.9	1	18.9	7.80	41.4	182	91.8	343	332	31
St. Paul, MN	5168	2MS14_3310-017	2	42.1	91.3	50	79.6	3.6	1	14.5	6.48	47.5	98	96.3	392	282	31
St. Paul, MN	5169	08AB-08	2	38.0	82.4	49	79.6	3.7	1	14.1	6.24	46.4	118	86.7	255	263	30
St. Paul, MN	5170	08N2-51	2	36.8	85.5	53	79.0	2.1	1	14.2	5.56	42.0	119	88.4	506	220	37
St. Paul, MN	5171	07N2-56	2	43.1	93.1	54	79.3	2.5	1	14.7	5.94	41.6	106	89.1	448	233	40
St. Paul, MN	5172	Hockett	2	39.3	83.9	50	79.5	2.4	1	14.6	6.05	43.1	124	101.8	524	242	35
Pullman, WA	5173	12WA-102.3	2	41.2	98.0	60	76.8	1.7	1	13.4	3.96	29.8	106	58.7	257	112	27
Pullman, WA	5174	11WA-102.17	2	43.8	97.2	62	76.2	2.1	2	12.6	3.59	30.6	81	50.8	454	93	28

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Pullman, WA	5175	12WA-124.14	2	41.5	96.7	68	77.7	2.3	2	13.9	4.30	32.5	112	59.3	398	144	24
Pullman, WA	5176	12WA-112.5	2	43.0	95.3	70	76.6	1.5	1	13.3	4.08	31.5	100	50.9	478	120	31
Pullman, WA	5177	12WA-113.6	2	39.6	96.4	65	76.1	2.0	1	13.5	4.31	32.3	125	54.3	246	139	26
Pullman, WA	5178	12WA-117.13	2	42.4	96.6	66	76.5	1.9	1	14.1	4.13	30.4	108	48.1	546	122	23
Pullman, WA	5179	12WA-115.9	2	46.2	96.5	71	75.6	1.9	1	14.0	4.11	30.6	134	51.8	422	122	29
Pullman, WA	5180	13WA-109.4	2	38.9	92.9	75	74.5	2.4	2	13.6	3.93	30.2	98	45.3	481	107	12
	5181	CONRAD MALT CHECK	2	40.0	97.2	54	81.9	2.3	1	12.3	5.38	44.2	132	91.5	144	222	65
Pullman, WA	5182	11WA-102.21	2	41.3	94.2	64	76.2	2.7	2	13.7	3.69	28.3	93	47.3	495	97	14
Pullman, WA	5183	12WA-124.2	2	40.1	94.4	63	75.5	2.0	2	14.3	3.94	27.9	144	46.2	463	101	21
Pullman, WA	5184	12WA-104.8	2	43.9	96.6	64	76.1	2.1	2	14.3	4.13	29.4	112	60.2	431	123	25
Pullman, WA	5185	12WA-112.1	2	42.5	91.9	74	75.0	1.3	1	14.2	4.19	30.4	126	56.2	459	122	29
Pullman, WA	5186	13WA-109.2	2	40.2	91.6	78	75.9	2.4	2	12.7	3.76	29.6	102	48.4	336	99	28
Pullman, WA	5187	12WA-121.13	2	41.9	98.1	76	77.3	1.5	1	13.3	4.39	33.1	144	68.5	283	148	33
Pullman, WA	5188	12WA-112.15	2	43.9	95.2	66	76.0	1.8	1	13.7	4.14	31.7	105	57.0	431	125	26
Pullman, WA	5189	12WA-117.1	2	45.8	98.6	64	76.5	1.8	1	13.8	4.29	31.5	134	53.6	436	141	29
Pullman, WA	5190	12WA-106.14	2	40.3	97.9	55	75.1	2.5	2	14.3	4.16	30.0	141	47.6	173	130	24
Pullman, WA	5191	12WA-107.4	2	39.3	97.1	63	74.8	n.d.	3	15.0	3.67	25.1	82	48.6	877	89	11
Pullman, WA	5192	12WA-121.3	2	41.5	97.4	73	77.5	1.8	1	14.1	4.99	35.6	119	78.0	373	183	32
Pullman, WA	5193	11WA-103.1	2	44.0	98.8	59	77.6	2.0	2	13.0	3.90	31.3	90	57.5	372	108	28
Pullman, WA	5194	12WA-125.4	2	44.2	98.1	62	76.1	1.4	1	13.5	4.08	31.3	111	55.1	449	122	31
Pullman, WA	5195	12WA-104.15	2	46.6	96.1	60	77.1	1.4	1	13.0	3.95	31.7	113	52.8	396	119	33
Pullman, WA	5196	Lyon	2	40.9	94.2	64	76.0	1.4	1	13.3	3.96	31.4	117	50.6	470	120	27
Pullman, WA	5197	Champion	2	43.7	98.4	71	77.7	1.3	1	13.2	4.05	30.7	109	57.3	480	127	31
Pullman, WA	5198	12WA-108.3	2	38.2	91.7	79	76.6	1.5	1	13.5	4.15	31.2	150	57.6	394	126	31
Pullman, WA	5199	12WA-123.36	2	39.2	96.9	59	75.5	2.0	1	13.9	4.42	32.2	150	63.6	154	143	30
Pullman, WA	5200	13WA-109.5	2	39.4	91.8	71	74.4	2.2	2	13.8	3.87	28.8	112	48.5	489	105	16
Pullman, WA	5201	11WA-110.2	2	38.8	96.4	69	76.1	1.4	1	14.0	3.86	28.6	129	53.8	502	111	23
Pullman, WA	5202	13WA-105.6	2	43.5	94.2	68	75.7	1.4	1	13.6	4.07	30.3	99	59.9	408	121	22
Pullman, WA	5203	13WA-109.1	2	40.3	95.1	66	73.3	2.0	2	14.0	3.90	28.1	102	47.6	466	110	18
Ray, ND	5204	ROBUST	6	35.8	95.1	38	79.7	2.2	1	14.5	6.14	44.5	252	75.9	262	256	46
Ray, ND	5205	LACEY	6	36.4	96.3	29	79.7	2.4	1	14.0	5.83	43.3	235	83.6	56	231	56
Ray, ND	5206	TRADITION	6	35.5	96.5	41	79.4	2.2	1	14.2	5.68	42.0	271	80.0	159	223	51
Ray, ND	5207	STELLAR-ND	6	36.3	97.6	30	80.3	2.5	1	13.6	5.79	44.2	292	100.2	62	250	61
Ray, ND	5208	QUEST	6	34.8	94.2	40	79.8	2.3	1	13.9	5.89	43.9	239	94.8	236	243	54
Ray, ND	5209	ND34012	6	35.1	95.2	27	80.5	2.7	1	13.4	5.50	43.4	219	95.8	133	240	66
Ray, ND	5210	ND34118	6	35.6	93.3	21	81.5	3.0	1	11.8	5.27	47.8	170	92.1	86	222	65
Ray, ND	5211	ND34141	6	34.0	94.2	32	79.8	2.5	1	14.2	5.81	43.4	216	97.6	80	249	56
	5212	LACEY MALT CHECK	6	33.1	88.7	42	79.4	1.8	2	13.2	5.85	46.9	167	84.4	46	241	65
Ray, ND	5213	ND34166	6	32.5	95.2	28	80.1	1.4	1	12.3	5.72	48.4	213	92.0	35	250	61
Ray, ND	5214	ND34167	6	30.5	91.7	25	80.0	1.3	1	12.8	5.53	45.3	214	91.9	96	226	69
Ray, ND	5215	ND34213	6	33.7	94.8	43	78.5	1.2	1	13.8	5.71	42.4	230	89.7	38	231	58
Ray, ND	5216	ND34306	6	37.1	96.0	33	80.1	1.3	1	13.8	5.84	45.4	226	87.2	40	235	61
Ray, ND	5217	ND34316	6	36.4	95.8	42	80.2	1.3	1	13.5	5.98	45.6	200	89.5	82	228	61
Ray, ND	5218	ND34317	6	36.5	96.1	32	80.5	1.2	1	13.3	5.64	45.4	202	90.9	52	231	70
Ray, ND	5219	ND34318	6	38.5	96.2	32	80.8	1.1	1	13.1	5.91	46.0	226	97.0	65	255	66
Ray, ND	5220	ND34351	6	34.1	95.8	24	79.3	1.2	1	13.7	6.08	46.5	235	95.7	51	244	58
Ray, ND	5221	ND34375	6	36.7	95.3	31	81.1	1.2	1	12.7	5.65	47.5	222	92.1	70	224	65
Ray, ND	5222	ND34377	6	36.7	95.3	38	80.7	1.2	1	12.9	5.90	48.5	224	91.2	45	237	61
Ray, ND	5223	ND34380	6	34.6	94.1	32	80.1	1.2	1	13.3	5.95	46.4	236	99.3	59	245	66
Wooster, OH	5224	2014-2015-1046	2	37.5	87.3	47	77.4	n.d.	3	14.0	5.01	37.5	171	57.9	385	166	24
Pullman, WA	5225	13WA-126.1	2	40.1	86.8	45	81.9	0.9	2	15.4	4.30	28.7	102	51.1	804	115	32
Pullman, WA	5226	13WA-125.2	2	44.2	97.9	74	76.5	1.1	2	15.1	4.25	28.5	90	51.8	797	119	21
Pullman, WA	5227	13WA-114.7	2	41.0	94.0	85	77.5	0.8	1	13.6	4.53	35.1	116	82.4	611	141	29
Pullman, WA	5228	Lyon	2	42.2	92.8	70	76.5	0.7	1	12.8	4.10	32.2	115	55.1	419	123	36
Pullman, WA	5229	13WA-114.4	2	43.0	95.3	75	77.7	0.8	1	13.1	4.26	33.3	109	74.1	313	130	31

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Pullman, WA	5230	13WA-118.4	2	39.8	96.2	70	77.0	0.7	1	14.1	4.22	31.4	140	61.2	236	123	26
Pullman, WA	5231	13WA-125.3	2	40.9	97.0	70	76.9	0.9	1	14.2	4.22	31.8	105	47.7	670	123	22
Pullman, WA	5232	13WA-126.5	2	41.3	95.5	68	74.6	0.7	1	13.3	3.96	30.9	100	50.6	403	107	27
Pullman, WA	5233	13WA-112.8	2	40.2	96.3	68	79.0	1.0	1	14.1	5.16	36.9	174	99.1	69	188	46
Pullman, WA	5234	13WA-110.10	2	43.2	98.9	77	77.4	0.8	1	13.5	3.88	30.2	137	44.8	475	98	23
Pullman, WA	5235	13WA-127.5	2	39.0	97.4	60	74.9	1.2	2	14.0	4.20	30.7	148	48.9	124	124	25
Pullman, WA	5236	13WA-126.6	2	45.8	97.4	63	75.0	0.9	2	13.9	3.85	28.2	102	43.2	428	102	19
Pullman, WA	5237	13WA-127.7	2	39.6	95.1	69	75.2	n.d.	3	13.2	4.08	31.5	128	47.1	298	115	26
Pullman, WA	5238	13WA-129.10	2	44.3	96.5	73	76.8	0.7	1	13.8	4.15	30.5	134	44.9	526	121	26
Pullman, WA	5239	13WA-118.10	2	38.5	94.5	66	76.7	0.8	1	13.9	4.40	33.2	146	61.3	292	131	30
Pullman, WA	5240	13WA-125.4	2	44.5	98.3	75	75.7	0.8	1	14.2	4.25	31.2	110	45.0	717	122	23
Pullman, WA	5241	13WA-118.7	2	41.7	97.0	79	78.0	0.8	1	13.5	4.51	33.8	136	65.8	278	143	32
Pullman, WA	5242	13WA-129.1	2	44.1	96.4	66	75.7	0.7	1	14.9	4.21	29.4	150	52.6	361	120	29
	5243	CONRAD MALT CHECK	2	39.9	97.9	54	81.9	1.1	2	12.5	5.38	45.2	160	93.7	123	209	62
Pullman, WA	5244	13WA-112.13	2	40.9	95.5	69	78.6	0.8	1	15.2	5.18	35.6	194	97.4	82	190	48
Pullman, WA	5245	13WA-127.8	2	40.4	98.3	49	74.4	1.1	2	14.5	4.53	32.1	155	64.2	183	147	31
Pullman, WA	5246	13WA-118.9	2	40.7	98.3	58	76.7	0.8	1	14.5	4.66	32.4	158	70.2	255	149	32
Pullman, WA	5247	13WA-126.3	2	43.6	95.9	66	74.7	0.7	1	14.2	3.96	28.8	106	51.9	501	104	23
Pullman, WA	5248	Champion	2	45.7	97.6	74	77.7	0.7	1	13.7	4.08	31.8	112	56.5	493	117	26
Pullman, WA	5249	13WA-125.6	2	37.7	82.4	74	73.6	0.8	1	15.1	4.26	28.2	114	48.0	593	119	13
Pullman, WA	5250	13WA-118.6	2	40.6	97.0	72	77.4	0.8	1	13.4	4.34	33.3	107	71.8	256	137	30
Pullman, WA	5251	13WA-118.2	2	41.4	97.1	73	75.6	n.d.	3	14.3	4.25	31.0	128	55.5	387	112	26
Pullman, WA	5252	13WA-112.1	2	41.9	97.0	81	80.4	0.9	1	13.7	5.28	40.9	165	100.5	70	189	54
Pullman, WA	5253	13WA-127.9	2	42.7	98.8	52	75.3	1.2	2	14.4	4.22	29.4	129	53.5	225	128	28
Pullman, WA	5254	13WA-119.3	2	40.3	97.5	71	77.2	0.9	1	13.9	4.25	30.8	89	64.5	375	118	21
Pullman, WA	5255	13WA-127.3	2	44.1	99.0	58	75.0	1.1	2	14.1	4.22	30.6	143	53.9	402	120	28
St. Paul, MN	5256	09MT-62	2	38.6	86.0	40	77.7	1.5	1	14.3	5.95	43.0	181	102.7	261	222	34
St. Paul, MN	5257	2MS14_3306-007	2	41.9	93.1	46	79.1	1.4	1	14.5	6.13	44.9	92	93.2	347	229	32
St. Paul, MN	5258	08N2-17	2	49.6	98.3	39	82.3	2.2	1	12.3	6.47	54.1	57	103.7	281	307	44
St. Paul, MN	5259	Conlon	2	42.0	96.0	51	78.9	1.1	1	15.8	5.94	38.5	168	98.2	469	221	37
St. Paul, MN	5260	09N2-61	2	38.1	84.1	48	78.5	1.2	1	15.1	6.25	41.8	155	108.1	252	236	32
St. Paul, MN	5261	07WA-12	2	40.1	88.6	34	77.3	1.6	1	16.6	6.59	40.9	139	100.7	371	269	33
St. Paul, MN	5262	07N2-16	2	41.4	96.1	44	80.4	1.2	2	14.0	5.71	42.4	128	84.9	440	218	44
St. Paul, MN	5263	AAC_Synergy	2	41.1	91.4	44	81.5	1.6	1	14.3	6.71	47.8	128	130.9	191	273	40
St. Paul, MN	5264	08AB-05	2	37.3	82.9	46	80.3	1.9	1	13.3	6.22	48.0	124	142.7	244	266	33
St. Paul, MN	5265	08WA-21	2	34.4	83.2	39	79.0	1.5	1	15.0	6.43	45.5	161	130.6	413	250	30
St. Paul, MN	5266	08N2-69	2	40.8	94.3	29	80.0	1.3	1	13.3	5.85	45.2	106	94.6	402	247	47
St. Paul, MN	5267	09N2-29	2	39.2	83.2	41	79.6	1.1	1	14.0	5.65	41.8	108	84.5	573	222	35
St. Paul, MN	5268	Conrad	2	37.4	92.5	38	79.6	1.8	1	14.6	6.76	47.2	152	117.0	346	287	33
St. Paul, MN	5269	06N2-14	2	42.3	92.6	37	80.9	1.1	1	14.4	5.54	41.3	92	72.2	496	202	43
St. Paul, MN	5270	2MS14_3342-010	2	41.4	87.5	55	78.9	1.3	1	15.2	6.38	42.5	158	100.1	523	247	37
St. Paul, MN	5271	2MS14_3302-011	2	41.2	97.8	57	80.4	1.2	1	14.9	6.44	43.4	166	135.2	435	258	42
St. Paul, MN	5272	08N2-21	2	43.2	96.1	47	81.2	1.9	2	12.4	6.22	50.6	98	120.3	443	254	43
St. Paul, MN	5273	2MS14_3340-022	2	34.3	77.1	40	79.9	1.3	1	13.7	5.95	44.4	124	119.2	378	224	36
	5274	CONRAD MALT CHECK	2	40.9	97.5	55	82.3	1.1	1	12.0	5.49	46.2	130	93.9	236	202	62
St. Paul, MN	5275	09N2-48	2	42.6	95.3	44	79.9	1.3	1	14.9	6.16	42.8	108	84.8	513	245	40
St. Paul, MN	5276	2MS14_3332-029	2	40.3	92.8	44	78.4	1.0	1	15.0	5.79	39.1	147	75.7	449	204	37
St. Paul, MN	5277	2MS14_3310-009	2	39.4	89.0	47	80.2	1.6	1	12.6	5.87	47.2	67	101.4	501	231	39
St. Paul, MN	5278	09AB-29	2	33.0	82.8	43	78.4	1.1	1	13.5	5.47	42.2	151	105.0	364	196	42
St. Paul, MN	5279	08WA-46	2	40.7	92.4	37	78.5	1.2	1	15.3	6.08	41.3	104	117.5	396	233	36
St. Paul, MN	5280	08AB-09	2	41.1	94.1	36	78.1	1.4	1	14.3	5.69	40.6	52	80.1	496	229	35
St. Paul, MN	5281	07N2-19	2	37.2	93.1	41	80.1	1.1	1	13.9	5.90	43.2	130	98.4	549	242	41
St. Paul, MN	5282	09N2-93	2	39.3	90.6	47	80.0	1.4	1	14.3	6.39	45.5	130	110.7	347	265	40
St. Paul, MN	5283	08N2-54	2	39.9	93.6	40	79.0	1.0	1	12.9	5.28	41.4	123	79.8	481	189	52
St. Paul, MN	5284	2MS14_3306-017	2	42.2	92.9	38	80.6	2.2	1	13.3	6.82	51.8	85	90.4	356	296	36

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
St. Paul, MN	5285	2MS14_3317-014	2	37.4	85.2	58	79.9	1.5	1	13.7	6.14	47.6	81	79.6	373	251	24
St. Paul, MN	5286	08MT-60	2	41.7	93.3	40	77.7	1.4	1	15.9	6.54	42.9	88	93.7	300	264	28
St. Paul, MN	5287	07AB-56	2	35.6	85.9	37	78.2	1.9	1	15.0	6.38	43.7	119	87.5	453	263	30
St. Paul, MN	5288	08N2-68	2	37.8	87.3	49	79.2	1.0	1	14.4	5.70	40.8	117	85.0	523	220	33
St. Paul, MN	5289	Conrad	2	39.8	96.4	41	78.8	1.6	1	15.6	6.88	44.2	149	110.8	351	299	37
St. Paul, MN	5290	09MT-37	2	43.9	96.0	48	81.2	1.3	1	12.0	5.98	50.6	78	96.4	583	263	47
St. Paul, MN	5291	08MT-31	2	35.3	75.2	47	78.9	1.7	1	14.1	6.99	52.7	160	119.9	380	313	25
St. Paul, MN	5292	07N2-21	2	40.3	95.7	47	80.4	1.2	1	13.2	6.11	47.5	106	89.1	375	262	39
St. Paul, MN	5293	09WA-10	2	34.6	78.9	36	76.2	1.2	1	17.4	6.42	37.6	211	78.9	425	265	21
St. Paul, MN	5294	07N2-36	2	40.0	93.4	49	78.8	1.6	1	14.5	6.82	50.2	110	86.3	585	324	31
St. Paul, MN	5295	07N2-25	2	36.0	82.9	51	78.8	1.1	1	13.7	5.96	45.1	148	87.5	423	250	33
St. Paul, MN	5296	07AB-51	2	41.0	85.2	54	76.5	1.1	1	15.9	5.97	38.1	195	85.0	428	224	31
St. Paul, MN	5297	08N2-70	2	39.5	92.1	43	79.2	1.3	1	12.9	5.86	46.7	115	90.5	463	253	47
St. Paul, MN	5298	06N2-15	2	44.5	94.9	54	81.8	1.6	1	12.5	6.16	51.2	85	108.1	602	259	44
St. Paul, MN	5299	08WA-23	2	40.0	85.8	30	78.3	1.8	1	15.3	6.79	45.5	87	92.6	345	293	30
St. Paul, MN	5300	2MS14_3335-007	2	36.6	76.2	49	78.2	1.0	1	13.6	5.23	38.9	89	72.5	576	200	25
St. Paul, MN	5301	08AB-46	2	38.0	89.6	47	78.5	1.6	1	16.0	6.52	41.8	120	92.0	385	266	32
St. Paul, MN	5302	09MT-93	2	39.3	95.2	38	81.0	1.4	1	12.2	5.94	50.2	84	111.6	490	277	44
St. Paul, MN	5303	07AB-91	2	33.2	77.9	49	77.5	1.1	1	16.6	5.92	37.4	184	79.4	413	248	24
St. Paul, MN	5304	08MT-03	2	38.2	84.3	39	77.9	1.1	1	16.4	5.70	36.6	136	75.8	342	220	26
St. Paul, MN	5305	CONRAD MALT CHECK	2	40.3	97.2	55	82.2	1.0	1	12.5	5.44	45.4	145	96.3	221	217	62
	5306	08N2-78	2	40.7	91.5	44	80.0	1.1	1	13.1	5.79	44.5	148	86.3	456	237	50
	5307	08WA-58	2	34.5	76.3	39	78.0	1.6	1	17.1	6.91	42.5	106	119.4	434	307	23
St. Paul, MN	5308	07AB-92	2	35.4	74.2	51	77.5	1.2	1	16.5	6.30	38.6	178	107.7	318	249	21
St. Paul, MN	5309	AAC_Synergy	2	38.3	83.3	49	79.8	1.5	1	14.7	6.96	47.9	160	123.6	304	304	30
St. Paul, MN	5310	AC_Metcalfe	2	38.3	87.0	47	78.6	1.7	1	16.3	7.41	45.8	181	115.2	326	326	35
St. Paul, MN	5311	09N2-18	2	44.4	94.0	47	80.4	1.8	1	13.7	6.90	51.4	90	105.3	291	316	31
St. Paul, MN	5312	08N2-48	2	35.8	86.2	45	79.4	1.1	1	13.6	5.50	41.8	114	92.2	502	216	40
St. Paul, MN	5313	08N2-49	2	41.5	89.7	48	79.0	1.1	1	14.5	5.65	40.1	130	82.0	545	221	40
St. Paul, MN	5314	2MS14_3340-013	2	43.3	89.6	40	76.1	1.2	1	16.1	6.12	39.3	140	96.1	411	234	29
St. Paul, MN	5315	06AB-32	2	42.4	90.3	40	78.2	2.0	1	17.8	7.27	41.7	95	80.1	431	326	33
St. Paul, MN	5316	09N2-64	2	39.6	90.3	44	79.8	1.4	1	15.1	6.39	43.3	168	105.5	251	293	40
St. Paul, MN	5317	2MS14_3310-019	2	42.9	91.1	42	78.7	1.3	1	15.7	6.07	40.3	130	111.9	477	297	40
St. Paul, MN	5318	09N2-58	2	41.0	83.9	43	78.8	1.2	1	16.6	6.48	39.9	159	104.5	445	295	29
St. Paul, MN	5319	07N2-41	2	33.0	69.9	45	75.8	0.9	1	16.3	5.59	34.5	182	85.8	525	223	28
St. Paul, MN	5320	06N2-23	2	41.8	94.0	39	78.8	1.3	1	15.9	6.15	41.1	122	94.2	479	287	39
St. Paul, MN	5321	2MS14_3317-016	2	41.6	95.1	41	78.5	1.6	1	15.8	6.76	43.7	118	105.9	521	317	36
St. Paul, MN	5322	08AB-31	2	37.9	93.0	40	76.5	1.6	1	17.2	6.61	39.5	218	144.9	317	308	26
St. Paul, MN	5323	2MS14_3342-009	2	39.2	87.0	47	77.5	1.3	1	16.1	6.33	42.0	172	116.2	478	285	31
St. Paul, MN	5324	07BA-94	2	38.9	84.5	47	77.6	1.9	1	16.5	6.98	42.6	164	130.3	355	338	28
St. Paul, MN	5325	09N2-51	2	39.4	82.5	34	77.8	1.5	1	15.5	6.70	44.0	148	117.4	262	304	28
St. Paul, MN	5326	08WA-34	2	40.8	92.8	34	78.3	1.6	1	16.8	7.00	43.4	190	113.3	385	326	39
St. Paul, MN	5327	08N2-71	2	43.6	88.6	45	80.4	1.3	1	13.3	5.72	44.2	91	106.7	434	261	42
St. Paul, MN	5328	2MS14_3317-018	2	38.9	86.9	45	79.6	1.2	1	13.9	5.72	42.7	101	97.7	393	248	38
St. Paul, MN	5329	08AB-34	2	37.2	90.1	37	77.1	1.6	1	17.4	6.93	40.9	187	128.2	328	305	31
St. Paul, MN	5330	2MS14_3315-005	2	43.8	88.3	44	76.3	2.1	1	18.7	7.76	42.2	144	123.9	259	380	34
St. Paul, MN	5331	08WA-24	2	40.1	91.0	38	78.1	1.8	1	16.0	6.77	43.1	131	115.0	292	350	39
St. Paul, MN	5332	Conlon	2	39.0	92.1	48	78.5	1.0	1	15.7	5.87	37.6	171	100.6	467	251	35
St. Paul, MN	5333	09N2-90	2	39.0	90.2	50	79.7	1.5	1	15.5	6.66	43.1	170	116.7	283	316	40
St. Paul, MN	5334	09N2-68	2	42.8	93.7	42	77.8	1.6	1	15.8	6.26	41.9	134	93.3	273	282	36
St. Paul, MN	5335	2MS14_3304-022	2	37.2	87.0	40	75.2	1.7	1	18.8	6.71	37.7	143	88.7	377	308	24
St. Paul, MN	5336	CONRAD MALT CHECK	2	40.3	97.5	55	82.4	1.2	1	12.2	5.57	48.5	133	94.1	135	247	60
	5337	07N2-23	2	38.5	92.3	41	79.8	1.4	1	13.7	6.02	44.8	127	107.4	260	270	40
	5338	08MT-36	2	39.8	80.8	34	78.5	1.9	1	16.0	6.57	42.7	132	107.2	256	321	32
St. Paul, MN	5339	2MS14_3346-002	2	39.6	86.7	42	78.2	1.5	1	14.5	6.07	42.0	131	129.2	436	282	35

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
St. Paul, MN	5340	09N2-96	2	37.1	90.0	49	80.3	1.6	1	13.0	6.30	49.2	147	128.3	209	309	43
Fargo, ND	5341	CONLON	2	44.7	98.6	22	83.0	2.4	1	14.2	6.89	52.1	121	115.4	179	321	41
Fargo, ND	5342	PINNACLE	2	39.4	93.0	7	82.5	1.7	1	12.1	5.52	48.3	104	113.8	142	247	55
Fargo, ND	5343	ND GENESIS	2	44.1	98.1	12	83.3	2.8	1	11.8	6.05	53.9	79	109.7	63	278	51
Fargo, ND	5344	LACEY	6	36.7	97.6	23	80.9	1.8	1	13.8	6.34	47.5	183	110.4	63	286	53
Fargo, ND	5345	2ND33669	2	40.1	96.9	16	84.1	2.7	1	13.2	6.94	53.7	126	111.9	37	337	52
Fargo, ND	5346	2ND33685	2	40.4	95.6	12	82.4	2.8	1	14.1	6.97	50.6	119	106.2	61	332	44
Fargo, ND	5347	2ND33686	2	39.3	96.0	7	81.9	1.8	1	13.6	6.07	45.8	134	97.4	105	262	46
Fargo, ND	5348	2ND33690	2	40.5	97.2	23	81.3	2.6	1	13.9	7.13	51.6	111	103.9	93	309	44
Fargo, ND	5349	2ND33699	2	39.2	97.4	26	81.0	2.8	1	13.6	7.11	52.7	102	107.9	56	310	39
Fargo, ND	5350	2ND33710	2	40.1	96.4	16	81.6	1.8	1	13.2	6.48	51.7	118	96.0	119	300	45
Fargo, ND	5351	2ND33729	2	43.3	96.8	22	81.0	2.4	1	13.6	6.92	55.1	115	108.6	68	322	45
Fargo, ND	5352	2ND33738	2	42.9	95.7	14	81.9	2.7	1	13.0	6.98	55.3	110	105.7	39	329	55
Fargo, ND	5353	2ND33751	2	42.6	95.0	18	82.8	2.7	1	12.8	7.01	55.6	96	103.1	35	332	51
Fargo, ND	5354	2ND33757	2	43.5	96.5	20	83.2	2.7	1	12.6	6.51	53.1	88	103.1	46	305	51
Fargo, ND	5355	2ND33760	2	42.3	95.0	15	82.4	2.6	1	13.3	6.76	52.3	111	102.0	49	336	50
Fargo, ND	5356	2ND33763	2	42.6	95.3	17	82.0	2.8	1	13.4	6.97	52.9	92	98.9	55	329	46
Fargo, ND	5357	2ND33821	2	46.2	98.6	19	83.0	1.9	1	12.6	6.25	50.1	81	94.1	120	293	47
Fargo, ND	5358	2ND33930	2	42.3	97.5	17	82.3	1.8	1	11.7	6.11	55.9	91	115.9	117	299	47
Fargo, ND	5359	2ND33996	2	44.4	97.0	7	80.6	1.7	1	12.7	5.70	46.3	149	108.3	111	238	59
Pullman, WA	5360	13WA-141.9	2	37.5	96.5	72	75.6	0.9	1	14.7	4.21	29.5	112	43.2	610	136	18
Pullman, WA	5361	13WA-132.8	2	41.9	94.9	62	74.9	0.7	1	14.4	3.99	27.7	117	56.4	446	129	22
Pullman, WA	5362	13WA-129.9	2	45.3	98.6	58	74.7	0.8	1	14.8	4.13	29.3	129	50.1	533	122	29
Pullman, WA	5363	Lyon	2	42.1	93.2	65	75.8	0.7	1	13.6	3.97	29.3	121	51.6	485	128	26
Pullman, WA	5364	13WA-129.8	2	44.6	96.8	62	76.3	0.7	1	14.5	4.38	31.6	140	58.6	432	150	29
Pullman, WA	5365	13WA-130.5	2	40.3	97.7	58	76.3	n.d.	3	13.8	4.03	29.6	136	52.9	395	111	26
Pullman, WA	5366	13WA-134.1	2	43.7	97.8	62	76.1	0.8	1	14.3	4.16	30.1	120	52.5	487	135	26
	5367	CONRAD MALT CHECK	2	39.8	97.6	53	81.5	1.1	1	12.3	5.21	45.9	137	91.2	216	224	60
Pullman, WA	5368	13WA-145.11	2	42.9	97.7	68	77.1	0.8	1	12.9	4.18	34.0	93	54.0	433	134	32
Pullman, WA	5369	13WA-129.7	2	44.5	97.7	60	74.9	n.d.	3	14.5	4.18	28.8	132	48.2	420	128	24
Pullman, WA	5370	13WA-129.11	2	42.8	97.3	65	76.0	0.8	1	14.1	4.08	29.5	115	49.6	491	127	23
Pullman, WA	5371	13WA-146.3	2	44.0	96.7	73	77.8	0.9	1	13.5	4.49	35.1	135	64.9	273	149	33
Pullman, WA	5372	13WA-145.13	2	43.0	98.9	72	77.9	0.8	1	12.7	4.18	33.3	91	54.8	304	127	32
Pullman, WA	5373	13WA-152.1	2	42.1	97.9	64	77.7	1.0	2	13.2	4.05	31.1	110	53.6	328	117	30
Pullman, WA	5374	13WA-164.9	2	39.5	95.1	75	79.9	0.9	1	13.1	4.76	37.7	131	101.9	114	185	48
Pullman, WA	5375	13WA-130.12	2	41.6	96.6	56	74.6	0.7	1	14.1	4.05	29.1	115	62.4	355	121	25
Pullman, WA	5376	13WA-134.4	2	44.1	97.7	55	75.7	0.8	1	14.3	4.14	30.3	116	53.6	512	117	26
Pullman, WA	5377	13WA-130.9	2	39.8	96.6	56	75.7	1.0	2	13.5	3.89	29.3	81	47.8	744	101	17
Pullman, WA	5378	13WA-160.12	2	41.5	98.4	70	78.6	0.9	1	14.5	4.83	35.3	130	91.0	344	185	39
Pullman, WA	5379	13WA-129.6	2	43.3	94.9	69	77.4	0.8	1	14.2	4.30	31.5	136	66.7	426	144	29
Pullman, WA	5380	13WA-158.5	2	45.1	97.8	68	77.7	1.0	1	13.6	4.70	35.6	104	77.6	308	182	33
Pullman, WA	5381	13WA-132.4	2	39.6	90.3	68	75.7	0.7	1	13.9	4.20	30.6	116	50.6	446	135	23
Pullman, WA	5382	13WA-145.10	2	42.0	95.4	74	77.8	0.9	1	12.6	4.48	35.5	116	79.3	305	168	39
Pullman, WA	5383	Champion	2	43.4	95.8	78	78.3	0.8	1	13.2	4.29	34.0	108	57.5	495	144	35
Pullman, WA	5384	13WA-141.10	2	39.3	93.4	75	75.4	0.9	1	14.9	4.13	28.5	105	49.7	802	129	20
Pullman, WA	5385	13WA-130.7	2	42.6	96.7	72	75.9	n.d.	3	13.7	3.78	28.7	100	45.7	830	104	14
Pullman, WA	5386	13WA-130.4	2	39.9	95.6	69	75.6	0.9	2	13.5	3.87	29.5	88	43.5	764	108	12
Pullman, WA	5387	13WA-129.4	2	41.9	94.4	72	76.8	0.7	1	14.1	4.32	30.7	140	50.8	541	134	28
Pullman, WA	5388	13WA-160.10	2	41.4	96.5	74	77.7	0.8	1	13.8	4.58	34.2	146	69.0	482	157	32
Pullman, WA	5389	13WA-132.6	2	41.3	93.2	66	77.3	0.7	1	12.5	4.35	35.4	117	57.8	405	143	35
Pullman, WA	5390	13WA-145.14	2	40.6	92.0	86	76.5	0.7	1	13.4	4.56	34.3	139	76.1	424	163	37
Buffalo Cty, Wisconsin	5391	CMAR 101	2	36.5	87.2	6	80.9	2.5	2	11.7	5.81	52.1	63	89.0	366	262	36
Buffalo Cty, Wisconsin	5392	CMAR 102	2	39.2	97.9	10	83.2	n.d.	3	9.5	5.37	58.4	49	83.6	212	236	41
Buffalo Cty, Wisconsin	5393	CMAR 103	2	38.6	92.7	4	82.8	2.5	2	10.3	5.60	59.1	58	89.0	275	255	38
Buffalo Cty, Wisconsin	5394	CMAR 104	2	37.0	91.3	5	80.8	2.3	1	11.4	5.65	51.8	60	82.6	373	248	39

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Buffalo Cty, Wisconsin	5395	CMAR 105	2	37.9	93.2	2	82.1	2.7	2	10.2	5.50	57.2	51	86.9	275	240	40
Buffalo Cty, Wisconsin	5396	CMAR 201	2	39.1	97.5	7	82.1	n.d.	3	9.6	5.24	60.1	43	84.1	158	224	41
Buffalo Cty, Wisconsin	5397	CMAR 202	2	34.9	87.0	3	80.1	2.3	1	11.7	5.78	49.6	58	81.4	431	261	37
	5398	CONRAD MALT CHECK	2	40.9	98.1	54	81.8	1.2	1	12.1	5.40	46.0	136	100.8	177	230	62
Buffalo Cty, Wisconsin	5399	CMAR 203	2	37.3	94.1	5	82.6	2.5	2	9.4	5.26	56.5	62	94.2	235	238	40
Buffalo Cty, Wisconsin	5400	CMAR 204	2	37.0	89.0	3	81.7	2.1	1	11.6	5.71	52.3	66	92.1	395	253	40
Buffalo Cty, Wisconsin	5401	CMAR 205	2	37.2	90.1	5	82.2	2.4	1	10.7	5.49	52.8	57	92.8	345	248	41
Buffalo Cty, Wisconsin	5402	CMAR 301	2	41.6	95.3	7	83.6	2.5	2	10.2	5.45	58.4	52	92.5	203	249	44
Buffalo Cty, Wisconsin	5403	CMAR 302	2	39.0	96.0	8	82.9	n.d.	3	9.6	5.39	58.5	55	92.2	209	240	41
Buffalo Cty, Wisconsin	5404	CMAR 303	2	41.1	98.4	18	83.5	n.d.	3	9.3	5.24	62.4	49	84.3	183	235	43
Buffalo Cty, Wisconsin	5405	CMAR 304	2	37.1	89.9	6	80.8	2.3	1	12.1	5.69	49.8	62	90.9	374	262	37
Buffalo Cty, Wisconsin	5406	CMAR 305	2	42.3	97.9	14	83.1	n.d.	3	9.4	5.20	61.2	45	78.2	224	234	44
Buffalo Cty, Wisconsin	5407	CMAR 401	2	40.1	98.1	12	83.0	n.d.	3	9.4	5.06	57.7	39	79.3	199	225	43
Buffalo Cty, Wisconsin	5408	CMAR 402	2	39.1	91.8	7	82.6	2.7	2	10.8	5.60	55.5	54	87.4	243	250	38
Buffalo Cty, Wisconsin	5409	CMAR 403	2	35.5	87.1	4	80.8	2.5	2	11.9	5.66	48.7	58	85.5	358	257	36
Buffalo Cty, Wisconsin	5410	CMAR 404	2	35.3	88.1	8	80.8	2.4	1	12.1	5.78	50.9	60	90.5	351	253	37
Buffalo Cty, Wisconsin	5411	CMAR 405	2	35.8	87.4	4	80.9	2.2	1	11.2	5.58	49.8	68	92.7	430	253	41
Buffalo Cty, Wisconsin	5412	BFT 101	2	40.8	96.0	12	81.8	2.9	3	11.1	5.57	50.4	70	73.6	231	230	48
Buffalo Cty, Wisconsin	5413	BFT 102	2	40.9	97.6	16	82.7	1.9	2	10.3	5.39	53.6	62	80.1	267	227	44
Buffalo Cty, Wisconsin	5414	BFT 103	2	41.1	97.0	23	83.5	n.d.	3	9.4	5.27	59.1	47	77.0	213	229	43
Buffalo Cty, Wisconsin	5415	BFT 104	2	40.7	94.1	17	82.4	1.9	2	10.6	5.25	51.8	78	80.4	310	215	44
Buffalo Cty, Wisconsin	5416	BFT 105	2	41.7	95.7	11	82.7	1.8	2	9.8	4.99	54.7	69	79.8	315	201	44
Buffalo Cty, Wisconsin	5417	BFT 106	2	39.7	94.7	12	81.9	2.1	2	11.8	5.72	51.7	80	92.4	230	234	43
Buffalo Cty, Wisconsin	5418	BFT 106	2	41.7	97.3	15	82.5	n.d.	3	10.0	5.16	56.7	52	84.4	215	214	43
Buffalo Cty, Wisconsin	5419	BFT 107	2	41.2	95.0	11	81.4	n.d.	3	11.8	5.67	51.9	68	77.2	260	231	44
Buffalo Cty, Wisconsin	5420	BFT 109	2	40.9	93.9	7	82.3	n.d.	3	11.9	5.69	49.7	77	76.7	169	237	44
Buffalo Cty, Wisconsin	5421	BFT 110	2	41.6	98.2	20	82.4	n.d.	3	9.7	5.15	53.7	45	78.4	195	240	43
Buffalo Cty, Wisconsin	5422	BFT 201	2	40.7	96.9	18	83.0	n.d.	3	10.1	5.34	56.0	54	79.2	140	259	46
Buffalo Cty, Wisconsin	5423	BFT 202	2	38.7	94.9	13	83.3	n.d.	3	10.1	5.15	53.7	68	86.2	200	231	41
Buffalo Cty, Wisconsin	5424	BFT 203	2	39.4	95.4	12	83.1	n.d.	3	10.4	5.29	51.5	68	81.3	224	236	41
Buffalo Cty, Wisconsin	5425	BFT 204	2	39.0	98.2	20	83.7	n.d.	3	9.0	4.96	57.9	33	69.9	146	228	44
Buffalo Cty, Wisconsin	5426	BFT 205	2	40.9	97.7	19	83.4	3.6	2	9.7	5.25	55.5	49	78.2	138	235	47
Buffalo Cty, Wisconsin	5427	BFT 206	2	38.3	93.2	10	81.8	n.d.	3	12.1	5.84	48.5	80	89.0	174	261	42
Buffalo Cty, Wisconsin	5428	BFT 207	2	40.3	94.9	13	82.1	n.d.	3	12.0	5.50	48.3	67	76.8	209	235	48
	5429	LACEY MALT CHECK	2	33.5	88.5	43	80.0	1.6	1	13.4	5.66	44.1	163	93.3	36	259	51
Buffalo Cty, Wisconsin	5430	BFT 208	2	39.4	96.6	17	82.9	3.4	2	11.1	5.42	49.0	63	80.9	153	249	47
Buffalo Cty, Wisconsin	5431	BFT 209	2	40.1	98.1	24	83.1	n.d.	3	9.0	5.10	57.4	36	70.7	129	235	46
Buffalo Cty, Wisconsin	5432	BFT 210	2	39.6	94.3	18	82.8	n.d.	3	10.7	5.22	53.4	63	82.4	218	229	41
Buffalo Cty, Wisconsin	5433	BFT 301	2	42.9	96.3	17	81.7	n.d.	3	11.1	5.36	52.4	56	80.9	181	235	49
Buffalo Cty, Wisconsin	5434	BFT 302	2	39.9	95.4	16	82.1	n.d.	3	11.1	5.58	51.2	75	86.6	158	259	46
Buffalo Cty, Wisconsin	5435	BFT 303	2	41.9	97.1	19	83.0	n.d.	3	11.2	5.40	52.8	75	87.6	164	243	48
Buffalo Cty, Wisconsin	5436	BFT 304	2	39.4	91.7	11	81.3	1.6	1	12.1	5.41	46.3	104	89.5	240	224	57
Buffalo Cty, Wisconsin	5437	BFT 305	2	41.7	97.3	14	82.5	n.d.	3	10.4	5.13	53.0	45	70.1	193	223	43
Buffalo Cty, Wisconsin	5438	BFT 306	2	42.0	96.5	17	83.2	3.5	2	10.3	5.32	54.3	56	83.9	204	229	45
Buffalo Cty, Wisconsin	5439	BFT 307	2	41.1	96.7	20	83.1	3.1	2	11.4	5.57	53.4	57	80.6	186	250	49
Buffalo Cty, Wisconsin	5440	BFT 308	2	41.1	96.4	16	81.7	n.d.	3	11.1	5.46	51.8	52	73.6	176	208	48
Buffalo Cty, Wisconsin	5441	BFT 309	2	41.6	95.6	20	82.4	n.d.	3	11.1	5.42	52.0	56	75.3	213	231	48
Buffalo Cty, Wisconsin	5442	BFT 310	2	39.6	94.3	15	82.3	n.d.	3	11.3	5.60	51.2	66	81.2	140	240	49
Buffalo Cty, Wisconsin	5443	BFT 401	2	41.3	96.5	19	82.7	n.d.	3	10.4	5.37	53.6	52	78.3	201	268	43
Buffalo Cty, Wisconsin	5444	BFT 402	2	39.8	94.7	15	82.4	2.2	2	10.8	5.49	51.9	58	82.9	191	244	42
Buffalo Cty, Wisconsin	5445	BFT 403	2	39.9	94.7	17	83.0	2.2	2	10.8	5.26	55.3	56	80.7	195	232	42
Buffalo Cty, Wisconsin	5446	BFT 404	2	41.0	98.3	21	80.9	n.d.	3	9.3	5.22	57.4	37	73.6	115	239	43
Buffalo Cty, Wisconsin	5447	BFT 405	2	40.2	95.0	20	82.6	2.3	2	11.1	5.37	51.0	68	83.6	203	242	49
Buffalo Cty, Wisconsin	5448	BFT 406	2	41.2	94.0	20	83.7	2.0	2	11.8	5.57	48.9	78	84.4	171	234	49
Buffalo Cty, Wisconsin	5449	BFT 408	2	41.8	95.7	19	82.3	2.0	2	11.2	5.45	51.3	60	74.5	222	224	49

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Buffalo Cty, Wisconsin	5450	BFT 409	2	40.0	95.3	18	82.7	n.d.	3	11.3	5.50	48.8	63	82.1	209	234	46
Buffalo Cty, Wisconsin	5451	BFT 410	2	42.7	96.6	18	82.2	n.d.	3	9.9	5.26	54.7	51	81.0	177	232	44
Buffalo Cty, Wisconsin	5452	BFT 407	2	43.9	98.1	19	83.0	n.d.	3	10.2	5.19	54.7	43	76.1	190	221	44
Buffalo Cty, Wisconsin	5453	BU Quest	2	33.4	91.3	36	80.5	1.3	1	11.9	5.71	50.7	143	104.8	165	263	46
Buffalo Cty, Wisconsin	5454	BU Pinnacle	2	40.0	97.8	21	82.5	3.1	2	10.2	5.26	53.2	44	74.1	198	241	44
Buffalo Cty, Wisconsin	5455	BU Full Pint	2	37.1	90.5	26	80.9	2.5	1	12.7	5.70	45.4	112	102.2	173	278	48
Buffalo Cty, Wisconsin	5456	BU Rasmussen	2	34.5	96.3	32	80.8	1.5	1	12.7	6.15	48.5	151	96.2	239	267	43
Buffalo Cty, Wisconsin	5457	BU Lacey	2	35.3	97.1	39	80.4	1.3	1	13.0	5.90	48.2	162	92.5	184	239	41
Buffalo Cty, Wisconsin	5458	BU Genesis	2	38.9	96.2	26	82.7	1.4	1	9.9	5.14	55.5	82	107.1	169	199	43
Buffalo Cty, Wisconsin	5459	BU Spartan	2	35.1	88.5	23	75.3	1.0	1	16.3	5.04	30.6	77	53.2	656	173	19
	5460	LACEY MALT CHECK	6	33.6	88.7	43	79.4	1.4	1	12.9	5.84	47.5	185	100.9	63	233	61
McVile, ND	5461	CONLON	2	40.9	95.6	18	81.1	1.3	1	13.5	5.53	42.6	148	99.9	242	207	57
McVile, ND	5462	PINNACLE	2	41.6	96.8	16	82.3	1.1	1	11.5	5.14	47.1	137	88.5	132	189	58
McVile, ND	5463	ND GENESIS	2	37.9	95.4	20	82.3	1.7	1	11.5	5.68	49.5	124	112.6	82	223	56
McVile, ND	5464	LACEY	6	34.9	95.4	20	79.2	1.5	1	13.9	5.95	43.2	216	87.2	37	228	61
McVile, ND	5465	2ND33669	2	40.2	95.5	19	82.5	2.0	1	12.5	6.32	52.9	140	85.5	37	266	57
McVile, ND	5466	2ND33685	2	37.0	92.5	16	81.7	1.9	1	13.6	6.32	48.8	139	83.9	76	252	43
McVile, ND	5467	2ND33686	2	40.2	92.5	15	81.3	1.1	1	12.5	5.47	45.0	150	80.9	81	200	69
McVile, ND	5468	2ND33690	2	39.0	93.9	20	81.5	1.5	1	13.1	5.89	46.3	135	95.9	130	218	54
McVile, ND	5469	2ND33699	2	38.3	95.1	24	81.1	1.2	1	13.1	5.67	45.5	150	108.1	64	202	58
McVile, ND	5470	2ND33710	2	39.2	92.5	17	82.1	1.2	1	13.1	5.64	43.8	142	87.7	82	215	58
McVile, ND	5471	2ND33729	2	40.5	94.2	21	82.1	2.1	1	12.9	6.50	51.5	117	92.1	62	278	54
McVile, ND	5472	2ND33738	2	39.3	92.3	19	82.5	1.9	1	13.4	6.19	47.5	119	91.0	78	257	47
McVile, ND	5473	2ND33751	2	39.1	86.6	19	81.3	2.5	1	13.2	6.66	54.2	101	88.6	43	277	45
McVile, ND	5474	2ND33757	2	40.4	91.7	24	82.3	2.2	1	12.5	6.15	51.8	92	89.0	36	255	50
McVile, ND	5475	2ND33760	2	40.1	91.6	24	81.8	2.5	1	13.2	6.65	53.7	124	87.5	36	278	52
McVile, ND	5476	2ND33763	2	39.5	92.2	18	81.3	2.3	1	13.2	6.48	50.4	96	78.8	41	275	43
McVile, ND	5477	2ND33821	2	46.0	98.1	20	82.5	1.4	1	11.9	5.62	49.0	93	81.4	80	238	54
McVile, ND	5478	2ND33930	2	40.2	95.2	9	82.1	1.4	1	12.1	5.50	48.5	107	107.9	40	218	61
McVile, ND	5479	2ND33996	2	43.0	96.6	14	80.7	1.4	1	12.1	4.89	42.1	152	95.8	102	179	58
Williston, ND	5480	CONLON	2	44.6	99.1	25	80.9	1.0	1	13.2	5.23	39.9	148	105.2	168	192	50
Williston, ND	5481	PINNACLE	2	42.2	96.7	29	81.6	1.0	1	12.1	4.89	43.8	152	87.0	118	172	61
Williston, ND	5482	ND GENESIS	2	40.9	98.5	18	81.7	1.0	1	11.7	5.06	44.6	138	117.9	84	186	67
Williston, ND	5483	LACEY	6	34.7	93.5	30	79.4	1.0	1	13.5	5.35	41.0	234	102.3	42	204	60
Williston, ND	5484	2ND33669	2	42.7	98.0	25	81.4	1.1	1	13.0	5.73	45.1	196	104.7	39	232	66
Williston, ND	5485	2ND33685	2	41.3	97.9	25	81.0	1.0	1	13.0	5.38	41.5	147	94.6	96	206	61
Williston, ND	5486	2ND33686	2	40.4	98.3	19	80.2	0.9	1	12.8	4.94	39.2	169	75.7	80	166	56
Williston, ND	5487	2ND33690	2	42.6	99.1	25	79.7	1.0	1	13.6	5.21	39.7	191	105.8	80	180	47
Williston, ND	5488	2ND33699	2	39.8	98.3	32	80.1	1.0	1	13.1	5.12	39.2	162	117.5	69	187	52
Williston, ND	5489	2ND33710	2	41.1	97.8	26	81.3	0.8	1	13.3	4.93	37.0	162	87.6	89	179	54
Williston, ND	5490	2ND33729	2	45.1	99.7	34	81.3	1.2	1	12.5	5.51	46.3	136	97.7	52	223	70
	5491	CONRAD MALT CHECK	2	40.7	97.7	54	81.6	1.2	1	12.6	5.31	42.1	120	102.5	220	226	59
Williston, ND	5492	2ND33738	2	43.6	98.2	27	81.5	1.3	1	13.1	5.61	45.6	125	102.8	64	257	61
Williston, ND	5493	2ND33751	2	44.6	96.9	36	82.4	1.2	1	11.9	5.70	48.9	112	94.7	41	262	58
Williston, ND	5494	2ND33757	2	44.7	98.5	33	82.0	1.2	1	12.3	5.32	44.8	116	92.1	61	230	67
Williston, ND	5495	2ND33760	2	45.1	98.0	38	82.2	1.1	1	12.5	5.22	43.8	151	98.2	37	239	70
Williston, ND	5496	2ND33763	2	43.8	98.8	25	81.0	1.1	1	13.5	5.43	41.2	142	101.6	60	236	60
Williston, ND	5497	2ND33821	2	47.6	99.2	30	82.6	1.0	1	12.9	5.05	41.7	141	80.5	47	218	70
Williston, ND	5498	2ND33930	2	45.3	99.0	30	81.6	1.1	1	12.6	5.20	43.0	116	111.6	47	232	67
Williston, ND	5499	2ND33996	2	46.7	99.4	22	80.5	1.2	2	11.5	4.41	39.8	186	95.0	48	169	56
Morris, MN	5500	AC Metcalfe	2	37.4	95.4	35	81.1	1.7	2	13.4	6.06	47.2	136	87.1	42	272	47
Morris, MN	5501	LCS Odyssey	2	33.3	76.5	25	82.1	1.1	2	15.2	4.69	33.1	165	58.8	434	170	32
Morris, MN	5502	S6M166	6	34.2	98.2	44	80.3	1.4	1	12.7	5.59	44.7	167	74.5	93	241	70
Morris, MN	5503	MS13_5521-022	6	33.0	90.9	33	78.5	1.0	1	15.0	5.85	40.1	189	87.9	330	248	41
Morris, MN	5504	S6M169	6	33.8	94.8	40	77.0	1.2	2	14.9	5.61	40.3	158	82.3	251	245	37

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20'DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Morris, MN	5505	MS13_5533-011	6	40.9	94.8	23	80.4	1.3	1	13.9	5.87	42.4	119	100.3	32	262	54
Morris, MN	5506	AAC Synergy	2	33.0	97.5	46	76.4	1.1	1	14.8	5.86	41.9	237	77.3	168	256	34
Morris, MN	5507	S6M167	6	35.0	89.5	48	78.5	1.0	1	14.0	5.44	39.5	224	84.6	234	245	50
Morris, MN	5508	Conlon	2	43.3	97.3	28	80.1	1.0	1	13.1	5.23	42.5	136	88.7	231	206	55
Morris, MN	5509	S6M170	6	35.4	98.3	33	76.6	0.8	1	15.9	5.63	37.4	203	77.6	165	222	41
Morris, MN	5510	Innovation	6	31.3	77.4	30	76.9	1.1	1	15.6	5.88	39.2	208	89.7	314	243	31
Morris, MN	5511	M160	6	32.1	92.6	41	78.9	1.3	2	13.6	5.40	41.7	176	89.9	259	214	49
Morris, MN	5512	S6M164	6	34.7	98.8	43	78.6	0.9	1	14.2	5.46	41.2	223	83.2	230	210	45
Morris, MN	5513	Pinnacle	2	43.1	98.3	21	81.0	1.3	2	12.7	5.44	45.7	107	73.3	274	206	59
Morris, MN	5514	Robust	6	34.1	95.6	40	78.4	0.9	1	13.6	5.40	40.6	198	69.1	314	219	50
Morris, MN	5515	S6M168	6	36.4	96.3	40	78.7	0.9	1	13.8	5.49	41.2	188	80.8	228	215	50
Morris, MN	5516	LCS Genie	2	39.4	94.5	7	79.2	0.9	1	14.5	4.89	34.0	161	72.5	56	174	41
Morris, MN	5517	MS13_5524-023	6	33.2	93.2	39	78.5	1.1	1	14.1	6.01	43.5	165	84.9	203	264	43
Morris, MN	5518	Quest	6	33.7	86.0	20	78.0	0.9	1	15.0	5.49	38.1	204	85.2	318	231	42
Morris, MN	5519	Celebration	6	31.2	96.6	30	77.7	1.3	1	15.5	6.16	41.1	213	81.4	47	294	41
Morris, MN	5520	MS13_5554-021	6	33.7	94.8	35	78.9	0.9	1	14.0	5.67	42.0	223	85.1	131	260	48
Morris, MN	5521	Lacey	6	33.2	91.4	30	78.2	1.1	2	14.7	5.29	37.2	204	79.1	217	211	41
	5522	LACEY MALT CHECK	6	32.7	89.3	43	79.8	1.2	1	13.4	5.82	45.3	179	99.8	56	264	66
Morris, MN	5523	MS10S4111-01	6	37.2	88.0	20	81.9	0.9	1	13.5	4.60	35.1	157	69.8	186	169	41
Morris, MN	5524	ABI Balster	2	38.6	91.1	31	79.8	1.5	1	14.9	6.10	41.9	142	91.1	51	264	47
Morris, MN	5525	MS13_5545-015	6	36.2	99.0	45	78.1	1.1	1	13.8	5.39	40.5	185	78.4	306	225	47
Morris, MN	5526	MS10S4115-03	6	32.3	85.1	30	83.6	1.2	2	14.2	5.26	37.4	175	68.3	319	191	45
Morris, MN	5527	MS13_5554-002	6	33.7	92.3	47	78.8	1.0	2	12.9	5.34	42.4	161	76.9	229	223	59
Morris, MN	5528	MS13_5525-017	6	33.4	87.1	47	77.4	1.2	1	15.5	5.89	39.9	163	76.0	271	232	34
Morris, MN	5529	ABI Growler	2	38.5	96.0	39	81.4	1.9	2	12.9	5.95	48.4	131	103.2	45	255	57
Morris, MN	5530	2ND28065	2	41.2	98.1	20	80.1	0.9	1	13.2	5.10	40.4	128	76.7	226	198	54
Morris, MN	5531	MS13_5564-013	6	35.9	96.1	24	78.6	1.0	1	13.9	5.33	40.7	197	83.6	127	205	53
Morris, MN	5532	Tradition	6	32.6	90.4	40	77.5	0.9	1	15.2	5.77	39.1	239	77.2	232	245	34
Morris, MN	5533	MS13_5545-005	6	32.9	89.5	32	77.6	1.1	1	15.6	6.01	40.3	242	83.2	285	238	31
Morris, MN	5534	MS13_5529-023	6	33.4	98.4	46	78.9	1.0	1	14.6	6.06	42.8	236	82.4	341	228	43
Morris, MN	5535	MS12_4145-016	6	32.5	96.9	53	78.6	1.0	1	14.4	5.82	43.1	177	89.0	242	240	46
Morris, MN	5536	ND Genesis	2	42.2	98.5	29	81.9	n.d.	3	11.2	5.19	49.5	113	97.4	115	202	56
Morris, MN	5537	Rasmusson	6	34.2	94.3	38	80.4	1.4	2	12.2	5.32	45.3	196	91.5	107	226	69
Bozeman, MT	5538	10-11 Dry 100	6	27.9	42.3	98	74.9	0.9	1	16.3	4.85	30.3	256	67.4	360	148	19
Bozeman, MT	5539	10-11 Irr 100	6	32.0	68.5	91	76.5	1.1	1	15.2	5.04	34.5	205	60.9	418	154	24
Bozeman, MT	5540	21-7 Dry 150	2	34.8	77.7	94	77.1	0.9	1	15.0	4.93	34.1	165	94.8	495	147	23
Bozeman, MT	5541	21-7 Dry 100	2	32.2	68.0	93	76.7	0.9	1	14.8	4.75	32.6	167	92.8	485	138	23
Bozeman, MT	5542	21-7 Irr 150	2	30.1	63.0	99	77.5	1.0	1	13.9	4.73	36.3	151	87.9	408	150	23
Bozeman, MT	5543	21-7 Irr 100	2	31.9	69.3	99	78.7	0.9	1	13.1	4.49	35.4	152	91.3	405	128	32
Bozeman, MT	5544	Amst Dry 150	2	33.9	76.1	82	76.3	1.1	2	16.7	5.21	32.6	228	66.8	422	162	22
Bozeman, MT	5545	Amst Dry 100	2	38.3	91.1	82	77.3	1.2	2	15.5	5.09	33.1	186	58.6	447	158	29
Bozeman, MT	5546	Amst Irr 150	2	36.1	86.7	84	79.1	1.1	2	14.1	4.87	35.1	184	57.6	424	135	29
Bozeman, MT	5547	Amst Irr 100	2	41.0	94.4	70	79.6	n.d.	3	14.0	5.05	37.9	194	65.8	413	158	37
Bozeman, MT	5548	Craft Dry 150	2	36.8	85.1	90	75.9	0.8	1	15.2	4.62	30.6	174	62.1	459	111	26
Bozeman, MT	5549	Craft Dry 100	2	38.5	91.0	90	76.7	0.9	2	15.3	4.64	31.6	161	63.4	448	122	29
Bozeman, MT	5550	Craft Irr 150	2	35.7	77.4	99	77.3	0.8	1	13.9	4.44	32.9	146	56.1	412	111	23
Bozeman, MT	5551	Craft Irr 100	2	38.4	88.9	96	77.5	0.9	1	14.1	4.58	33.0	141	59.3	374	129	28
	5552	CONRAD MALT CHECK	2	40.3	97.2	54	81.4	1.2	1	12.3	5.54	45.5	136	91.9	163	232	62
Bozeman, MT	5553	Eslick Dry 150	2	34.0	64.4	96	75.0	1.0	1	15.8	5.24	34.6	169	90.3	422	198	28
Bozeman, MT	5554	Eslick Dry 100	2	36.0	75.5	98	75.4	1.0	1	15.2	5.11	34.8	164	94.1	377	207	28
Bozeman, MT	5555	Eslick Irr 150	2	34.9	63.9	99	76.6	0.9	1	14.2	5.01	36.7	180	93.2	325	186	26
Bozeman, MT	5556	Eslick Irr 100	2	35.6	73.4	99	78.2	1.0	1	12.6	4.83	41.2	152	96.5	290	186	45
Bozeman, MT	5557	Hock Dry 150	2	34.9	81.3	98	78.2	1.1	2	15.0	4.98	33.4	195	81.4	358	169	26
Bozeman, MT	5558	Hock Dry 100	2	36.9	90.5	99	78.7	1.0	2	14.4	4.89	35.0	165	79.4	350	146	31
Bozeman, MT	5559	Hock Irr 150	2	35.4	81.5	97	78.8	0.9	1	13.6	4.68	34.7	166	73.2	337	152	27

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Bozeman, MT	5560	Hock Irr 100	2	33.3	80.5	99	79.1	0.9	2	13.3	4.69	35.9	181	82.4	339	151	31
Bozeman, MT	5561	Karl Dry 100	6	27.8	45.1	93	78.6	0.9	1	13.2	4.77	38.8	168	65.7	277	163	33
Bozeman, MT	5562	Karl Irr 100	6	31.8	66.6	87	79.8	0.9	1	11.7	4.76	42.6	145	66.3	265	193	48
Bozeman, MT	5563	Lewis Dry 150	2	34.5	82.0	99	75.6	1.0	1	16.7	5.33	33.2	203	82.3	551	196	28
Bozeman, MT	5564	Lewis Dry 100	2	37.0	84.5	95	76.3	0.9	1	16.0	5.20	34.2	183	79.8	581	176	23
Bozeman, MT	5565	Lewis Irr 150	2	31.7	67.0	99	76.3	0.9	1	14.9	5.05	35.6	182	77.2	505	170	23
Bozeman, MT	5566	Lewis Irr 100	2	32.3	72.0	100	76.2	1.0	1	15.4	5.13	34.5	190	80.3	461	164	23
Bozeman, MT	5567	90182 Dry 150	2	34.9	80.7	93	75.9	0.8	1	15.0	4.47	30.8	222	57.0	552	122	23
Bozeman, MT	5568	90182 Dry 100	2	35.6	81.8	93	76.0	0.8	1	13.7	4.22	30.7	204	53.1	555	108	19
Bozeman, MT	5569	90182 Irr 150	2	36.2	81.8	100	77.6	0.8	1	13.2	4.16	33.2	176	53.9	519	109	24
Bozeman, MT	5570	90182 Irr 100	2	37.0	87.5	87	78.6	0.9	1	12.8	4.51	37.4	171	71.2	495	136	40
Bozeman, MT	5571	90190 Dry 150	2	34.1	79.0	91	76.8	1.1	1	14.4	4.89	34.6	219	65.8	417	146	23
Bozeman, MT	5572	90190 Dry 100	2	37.9	90.3	88	77.3	0.9	1	13.4	4.51	36.0	195	65.6	338	148	33
Bozeman, MT	5573	90190 Irr 150	2	34.6	80.9	94	78.4	0.9	2	13.0	4.47	36.7	185	56.5	414	129	36
Bozeman, MT	5574	90190 Irr 100	2	35.0	83.8	96	77.9	0.9	1	12.1	4.33	37.6	161	60.8	388	125	29
Bozeman, MT	5575	100120 Dry 150	2	35.6	87.0	98	76.8	0.9	1	14.2	4.60	32.8	203	62.4	473	129	26
Bozeman, MT	5576	100120 Irr 150	2	36.9	86.7	95	78.1	0.8	1	12.8	4.37	34.9	190	57.4	476	117	36
Bozeman, MT	5577	124027 Dry 150	2	34.8	83.5	83	77.4	1.0	1	15.4	5.20	34.9	146	72.2	360	179	23
Bozeman, MT	5578	124027 Dry 100	2	36.2	87.8	84	77.6	0.9	1	13.9	5.07	37.7	138	77.7	352	164	26
Bozeman, MT	5579	124027 Irr 150	2	33.2	82.0	85	78.1	0.9	1	13.2	4.96	39.3	157	84.0	319	156	32
Bozeman, MT	5580	124027 Irr 100	2	35.2	83.0	94	77.9	1.0	1	13.7	4.87	37.9	140	82.1	324	157	23
Bozeman, MT	5581	124071 Dry 150	2	38.1	87.1	82	78.5	1.1	1	14.1	5.07	37.1	191	88.1	275	160	32
Bozeman, MT	5582	124071 Dry 100	2	39.3	89.7	79	79.4	1.3	1	13.8	5.11	38.5	177	85.3	291	161	32
	5583	CONRAD MALT CHECK	2	40.1	97.7	54	81.3	1.1	1	12.4	5.35	46.2	135	94.8	196	207	62
Bozeman, MT	5584	124071 Irr 150	2	37.1	80.8	82	79.4	1.1	1	13.0	4.84	37.9	174	81.7	254	144	37
Bozeman, MT	5585	124071 Irr 100	2	38.9	87.5	86	80.2	1.1	2	12.8	4.80	39.1	166	82.9	270	142	44
Bozeman, MT	5586	124128 Dry 150	2	40.7	95.8	87	80.1	1.4	2	14.1	5.55	40.3	159	109.3	194	191	48
Bozeman, MT	5587	124128 Dry 100	2	41.0	95.3	87	80.2	1.6	2	14.0	5.46	41.1	118	94.9	322	192	45
Bozeman, MT	5588	124128 Irr 150	2	43.2	95.4	90	80.5	1.3	1	12.8	5.41	44.3	129	104.8	239	193	60
Bozeman, MT	5589	124128 Irr 100	2	44.8	97.0	89	81.1	1.3	2	13.0	5.32	41.7	124	103.9	231	189	55
Bozeman, MT	5590	124148 Dry 150	2	34.1	77.0	84	72.8	1.0	2	16.4	4.47	28.8	122	51.3	552	118	22
Bozeman, MT	5591	124148 Dry 100	2	33.8	78.5	89	73.4	0.9	2	14.7	4.31	30.1	130	55.1	497	115	18
Bozeman, MT	5592	124148 Irr 150	2	35.0	75.6	87	74.1	0.8	1	13.5	3.98	30.1	110	50.0	505	102	18
Bozeman, MT	5593	124148 Irr 100	2	34.9	82.0	92	74.3	1.0	2	13.9	4.18	30.5	107	48.1	494	108	12
Bozeman, MT	5594	124555 Dry 150	2	37.2	94.0	76	77.0	n.d.	3	14.5	4.64	32.6	88	53.5	501	119	19
Bozeman, MT	5595	124555 Irr 150	2	34.7	91.1	83	77.9	n.d.	3	13.6	4.56	35.9	85	52.9	483	120	19
Bozeman, MT	5596	124601 Dry 150	2	35.6	89.5	84	76.2	1.0	2	14.9	4.73	31.9	163	57.7	569	121	25
Bozeman, MT	5597	124601 Dry 100	2	38.4	93.1	91	76.7	1.0	2	14.1	4.45	32.7	148	54.8	578	115	29
Bozeman, MT	5598	124601 Irr 150	2	35.7	83.8	94	77.9	1.1	2	13.4	4.41	33.2	150	52.7	550	117	27
Bozeman, MT	5599	124601 Irr 100	2	39.6	91.9	89	79.0	1.0	2	13.1	4.40	35.8	137	60.6	486	123	38
Bozeman, MT	5600	124673 Dry 150	2	38.8	92.1	82	79.0	1.3	2	14.2	5.44	39.6	121	94.4	379	191	38
Bozeman, MT	5601	124673 Dry 100	2	41.2	94.3	83	79.3	1.2	2	13.7	5.27	41.0	135	107.4	346	186	43
Bozeman, MT	5602	124673 Irr 150	2	44.2	95.4	82	79.8	1.1	1	12.7	5.22	41.8	123	99.5	299	185	58
Bozeman, MT	5603	124673 Irr 100	2	44.1	96.9	86	80.6	1.2	2	12.3	4.89	42.3	117	107.7	286	175	51
Ray, ND	5604	CONLON	2	45.5	97.8	22	81.9	1.3	1	14.9	6.09	42.2	189	96.4	319	238	46
Ray, ND	5605	PINNACLE	2	42.6	96.3	19	82.4	1.2	1	12.5	5.48	46.3	149	79.8	150	205	63
Ray, ND	5606	ND GENESIS	2	40.5	95.7	23	83.5	1.2	1	12.0	5.40	46.8	134	99.9	118	207	65
Ray, ND	5607	LACEY	6	36.6	95.9	26	81.0	1.2	1	13.7	6.06	46.6	230	86.7	54	233	58
Ray, ND	5608	2ND33669	2	40.4	89.8	32	83.0	1.2	1	12.6	5.78	48.0	162	92.9	85	252	58
Ray, ND	5609	2ND33685	2	38.7	91.9	24	82.9	1.1	1	12.6	5.75	47.3	136	85.0	130	222	54
Ray, ND	5610	2ND33686	2	38.8	91.2	31	81.2	1.0	1	12.7	5.38	43.0	143	69.3	137	190	61
Ray, ND	5611	2ND33690	2	38.4	92.6	40	81.7	1.1	1	13.0	5.71	46.1	142	83.8	142	234	59
Ray, ND	5612	2ND33699	2	36.9	92.7	30	81.1	1.0	1	13.9	5.66	43.2	161	102.9	120	208	47
Ray, ND	5613	2ND33710	2	38.3	91.6	34	82.5	0.9	1	12.8	5.28	43.7	156	73.8	98	195	67
	5614	CONRAD MALT CHECK	2	39.9	98.0	56	81.8	1.1	1	12.2	5.38	44.7	130	87.7	165	206	60

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Ray, ND	5615	2ND33729	2	41.2	93.0	28	82.6	1.2	1	12.6	5.91	50.4	140	94.9	84	253	60
Ray, ND	5616	2ND33738	2	40.0	91.3	22	82.7	1.1	1	12.8	5.88	48.5	140	97.4	110	249	56
Ray, ND	5617	2ND33751	2	41.4	90.0	32	83.1	1.1	1	12.6	5.90	48.8	119	91.2	88	283	57
Ray, ND	5618	2ND33757	2	40.4	92.0	31	82.0	1.1	1	12.8	5.51	46.4	126	85.9	96	245	69
Ray, ND	5619	2ND33760	2	40.7	90.2	40	82.2	1.1	1	13.1	5.86	47.0	147	88.9	85	277	60
Ray, ND	5620	2ND33763	2	40.0	93.1	32	81.7	1.1	1	13.0	5.73	45.7	133	88.1	158	246	51
Ray, ND	5621	2ND33821	2	44.5	95.7	33	82.6	1.1	1	12.3	5.64	47.3	117	77.5	134	234	54
Ray, ND	5622	2ND33930	2	41.5	96.1	29	82.5	1.1	1	12.5	5.67	47.9	122	97.0	88	234	60
Ray, ND	5623	2ND33996	2	44.7	96.8	29	81.8	1.1	1	11.9	5.10	44.4	185	83.2	120	189	64
Lamberton, MN	5624	Charles-1	2	32.5	87.7	42	77.1	1.3	1	14.3	5.42	39.0	116	112.7	198	224	28
Lamberton, MN	5625	Maja-1	6	25.2	40.2	63	74.6	1.1	1	14.2	4.72	34.0	156	72.5	99	192	26
Lamberton, MN	5626	McGregor-1	6	33.1	72.4	35	73.6	1.4	2	14.3	4.04	28.8	64	40.7	621	102	10
Lamberton, MN	5627	Charles-2	2	32.6	81.6	49	77.7	1.2	1	14.8	5.48	37.9	128	104.1	221	214	28
Lamberton, MN	5628	Maja-2	6	27.7	53.1	60	74.9	n.d.	3	13.2	4.54	34.7	149	60.0	367	146	24
Lamberton, MN	5629	McGregor-2	6	31.8	68.9	38	74.1	n.d.	3	14.5	4.30	31.2	83	41.1	596	115	8
Lamberton, MN	5630	Charles-3	2	32.9	80.2	49	77.0	1.2	1	15.3	5.53	38.1	120	91.1	151	200	28
Lamberton, MN	5631	Maja-3	6	27.7	56.7	60	74.6	n.d.	3	14.1	4.70	35.1	148	58.7	327	150	14
Lamberton, MN	5632	McGregor-3	6	31.9	59.6	40	73.7	1.4	2	14.3	4.23	30.5	75	42.3	570	107	9
Lamberton, MN	5633	Charles-4	2	31.4	72.7	35	78.1	1.6	1	15.5	6.36	42.0	150	94.6	120	264	33
Lamberton, MN	5634	Maja-4	6	25.2	43.5	46	75.8	1.5	2	13.6	5.15	38.3	166	70.8	148	191	29
Lamberton, MN	5635	McGregor-4	6	31.3	56.4	26	73.7	1.3	2	15.3	4.57	31.4	73	50.3	491	131	12
Crookston and St. Paul, MN	5636	Gen10-002	6	33.3	91.6	33	78.0	1.5	1	14.3	6.03	42.1	158	64.1	94	232	47
Crookston and St. Paul, MN	5637	Gen10-047	6	36.7	97.8	27	79.5	1.6	2	12.4	5.49	44.6	141	64.0	91	207	69
Crookston and St. Paul, MN	5638	Gen10-064	6	32.5	91.1	41	78.2	1.0	1	16.7	6.55	40.3	253	91.0	236	264	38
Crookston and St. Paul, MN	5639	Gen10-098	6	34.2	97.0	52	76.6	1.3	1	19.8	7.54	39.9	314	94.2	105	317	38
Crookston and St. Paul, MN	5640	Gen10-125	6	38.0	98.1	46	78.2	1.5	1	17.2	7.20	43.0	236	98.1	213	314	40
Crookston and St. Paul, MN	5641	Lacey	6	34.1	93.3	42	79.5	1.2	1	15.1	6.28	43.8	193	76.2	353	260	46
Crookston and St. Paul, MN	5642	Gen10-193	6	34.4	94.0	49	79.0	1.2	1	15.3	6.53	43.9	209	85.7	290	268	46
Crookston and St. Paul, MN	5643	Gen10-203	6	37.1	98.2	30	79.7	1.2	1	12.8	5.05	42.3	159	73.0	97	177	61
Crookston and St. Paul, MN	5644	Gen2-129	6	35.2	94.5	51	78.9	1.1	1	16.0	6.27	40.4	199	81.7	253	248	38
	5645	LACEY MALT CHECK	6	33.3	89.4	42	79.4	2.1	2	13.2	5.94	45.7	136	81.2	46	233	62
Crookston and St. Paul, MN	5646	S6M175 (Gen10-144)	6	35.8	97.1	30	79.3	1.5	2	12.4	5.17	44.5	150	69.2	124	176	56
Crookston and St. Paul, MN	5647	KLBC4-130i-KK	6	36.9	98.1	16	80.3	1.4	1	11.1	4.91	45.9	108	71.4	223	167	42
Crookston and St. Paul, MN	5648	Gen10-002	6	35.1	95.0	49	77.9	1.3	1	17.7	6.98	41.0	244	85.1	149	278	38
Crookston and St. Paul, MN	5649	Gen10-047	6	35.2	94.2	54	80.0	1.3	1	14.6	6.49	45.9	157	86.9	335	276	46
Crookston and St. Paul, MN	5650	Gen10-064	6	33.2	90.7	45	78.4	1.1	1	16.8	6.59	39.6	238	91.5	264	257	38
Crookston and St. Paul, MN	5651	Gen10-098	6	33.9	96.6	54	76.3	1.4	1	19.6	7.52	39.1	298	92.9	150	308	34
Crookston and St. Paul, MN	5652	Gen10-125	6	38.6	97.9	52	78.1	1.5	1	17.3	7.34	43.8	232	96.9	193	319	40
Crookston and St. Paul, MN	5653	Lacey	6	36.7	97.0	50	79.2	1.1	1	15.1	6.42	42.9	211	88.2	316	287	46
Crookston and St. Paul, MN	5654	Gen10-193	6	35.0	95.0	49	78.5	1.1	1	15.8	6.27	41.4	226	91.6	319	252	38
Crookston and St. Paul, MN	5655	Gen10-203	6	36.9	96.3	48	80.4	1.1	1	14.9	6.25	43.6	221	90.2	266	249	46
Crookston and St. Paul, MN	5656	Gen2-129	6	34.7	94.4	52	79.2	1.1	1	15.6	6.36	42.5	229	86.2	223	252	46
Crookston and St. Paul, MN	5657	S6M175 (Gen10-144)	6	35.5	93.0	49	79.3	1.1	1	15.4	6.21	42.2	208	91.5	421	257	46
Crookston and St. Paul, MN	5658	KLBC4-130i-KK	6	35.1	95.5	36	81.2	1.2	1	12.4	5.54	47.3	136	81.5	470	235	55
McVillie, ND	5659	ROBUST	6	33.0	91.7	23	79.1	1.4	1	14.1	6.14	45.2	199	70.7	219	255	46
McVillie, ND	5660	LACEY	6	34.6	94.3	20	79.5	1.7	1	14.1	6.25	47.2	183	81.8	51	260	48
McVillie, ND	5661	TRADITION	6	34.4	96.1	24	79.6	1.4	1	13.3	5.88	45.2	219	94.1	140	236	62
McVillie, ND	5662	STELLAR-ND	6	35.6	96.2	25	80.3	2.1	1	13.1	6.53	52.4	195	90.4	39	287	58
McVillie, ND	5663	CELEBRATION	6	32.2	94.1	23	79.9	1.9	1	14.7	6.90	50.2	227	93.3	76	304	48
McVillie, ND	5664	QUEST	6	34.3	88.5	23	79.3	1.3	1	13.9	6.17	46.1	210	102.8	237	259	51
McVillie, ND	5665	INNOVATION	6	32.9	94.8	22	80.0	2.2	1	13.9	6.63	48.6	169	77.8	159	277	49
McVillie, ND	5666	ND29196	6	35.9	96.2	24	79.8	1.6	1	13.3	6.33	49.5	191	100.3	84	269	58
McVillie, ND	5667	ND31040	6	35.8	97.3	28	79.3	1.5	1	13.1	6.07	48.5	158	91.1	95	258	58
McVillie, ND	5668	ND31091	6	35.0	95.9	18	80.1	1.4	1	12.2	6.00	52.0	175	87.6	43	248	58
McVillie, ND	5669	ND31721	6	32.2	89.8	20	78.3	1.5	1	13.3	6.21	49.0	194	100.6	76	239	55

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
McVile, ND	5670	ND32889	6	34.5	92.9	23	79.7	2.1	1	13.4	6.62	51.1	167	81.9	58	247	58
McVile, ND	5671	ND32898	6	33.9	93.4	22	79.9	2.0	1	12.9	6.51	53.5	194	81.7	44	266	58
McVile, ND	5672	ND32920	6	34.4	95.9	22	79.2	2.0	1	13.6	6.44	50.5	164	76.4	172	233	46
McVile, ND	5673	ND33325	6	34.4	94.0	17	78.8	1.5	1	14.0	6.02	44.6	170	92.4	99	229	55
McVile, ND	5674	ND33413	6	34.6	94.7	17	78.9	1.8	1	14.8	6.66	46.1	179	88.5	207	254	43
McVile, ND	5675	CONLON	2	40.5	95.6	16	80.5	1.5	1	13.9	6.13	45.3	158	113.1	254	222	42
	5676	LACEY MALT CHECK	6	33.6	88.8	42	79.4	2.0	2	13.4	6.18	48.0	165	93.1	47	236	57
McVile, ND	5677	PINNACLE	2	41.3	97.0	17	81.5	1.1	1	12.0	5.40	48.4	138	95.1	169	219	57
McVile, ND	5678	ND GENESIS	2	38.0	95.1	16	82.0	1.7	1	11.3	5.96	54.4	119	113.2	88	224	53
McVile, ND	5679	AC METCALFE	2	35.6	93.0	21	80.3	4.8	1	15.1	8.38	57.5	109	93.2	22	303	37
McVile, ND	5680	CDC COPELAND	2	38.3	94.5	21	80.0	4.5	2	13.1	7.54	57.8	82	71.6	28	276	39
McVile, ND	5681	CDC MEREDITH	2	38.3	93.9	17	81.1	4.9	2	13.2	7.94	60.7	85	81.8	26	275	42
McVile, ND	5682	CONRAD	2	36.8	96.6	17	80.3	6.1	1	14.0	8.66	64.1	76	70.3	29	314	33
McVile, ND	5683	HOCKETT	2	40.7	93.7	20	82.3	2.8	1	13.0	7.00	56.2	136	105.3	57	285	52
McVile, ND	5684	AAC SYNERGY	2	39.9	95.9	18	82.6	4.2	1	13.0	7.88	61.2	113	96.8	21	316	47
McVile, ND	5685	SY SIRISH	2	38.9	96.7	14	81.1	1.6	1	12.8	5.94	48.8	152	90.4	27	225	58
McVile, ND	5686	2ND28065	2	37.5	90.3	20	81.8	1.6	1	12.4	6.21	51.7	138	83.9	44	245	53
McVile, ND	5687	2ND30837	2	39.6	94.7	8	81.8	2.5	1	12.6	6.66	55.2	166	93.8	31	292	55
McVile, ND	5688	2ND31914	2	41.6	95.9	15	80.6	1.7	1	12.4	6.15	50.9	207	100.0	30	255	54
McVile, ND	5689	2ND32184	2	41.9	96.8	14	81.7	1.3	1	12.0	5.80	49.4	133	114.0	29	232	60
McVile, ND	5690	2ND32322	2	39.8	96.0	19	81.6	2.0	1	12.4	6.44	54.8	133	122.4	31	280	55
McVile, ND	5691	2ND32529	2	40.3	97.0	22	81.8	1.7	1	11.7	6.14	55.5	142	111.5	54	237	57
McVile, ND	5692	2ND32657	2	40.2	95.1	25	82.1	1.9	1	11.8	6.07	56.0	139	113.6	27	227	57
McVile, ND	5693	2ND32658	2	37.7	93.6	18	81.4	2.6	1	11.6	6.47	56.4	145	125.2	27	302	53
McVile, ND	5694	2ND32829	2	40.1	92.9	14	81.2	2.4	1	11.8	6.28	56.8	107	101.6	23	291	54
McVile, ND	5695	ABI BALSTER	2	38.3	94.7	17	80.9	5.6	2	13.8	7.93	58.9	92	66.2	27	359	34
McVile, ND	5696	ABI GROWLER	2	36.6	95.6	18	79.4	5.1	2	14.0	7.75	56.1	107	72.3	14	345	33
McVile, ND	5697	LCS GENIE	2	35.1	93.1	13	80.7	2.0	1	12.6	6.03	50.2	162	103.6	14	272	50
McVile, ND	5698	LCS ODYSSEY	2	34.5	95.3	14	80.9	1.6	1	12.6	5.68	47.4	142	107.8	26	244	53
McVile, ND	5699	EXPLORER	2	40.8	95.2	7	79.6	1.4	1	13.2	5.82	44.8	162	145.8	14	266	57
McVile, ND	5700	PIONEER	2	39.2	96.3	14	80.3	1.5	1	13.3	5.98	48.7	142	154.1	21	274	50
Aberdeen, Idaho	5701	ARS10-65 2015	2	39.0	96.2	49	81.9	2.1	1	10.7	4.57	44.0	126	81.4	111	236	58
Aberdeen, Idaho	5702	ARS10-65 2016	2	41.7	94.1	76	79.9	1.5	1	12.1	4.30	36.3	153	71.0	268	207	50
Ab Stress, ID	5914	Harrington	2	39.7	95.1	81	78.9	0.9	1	12.7	5.09	41.0	142	88.7	363	184	52
Ab Stress, ID	5915	ACMetcalfe	2	36.8	92.7	91	78.5	1.0	1	13.6	5.32	40.1	180	104.4	126	197	45
Ab Stress, ID	5916	CDC Copeland	2	36.6	86.8	92	77.0	1.0	1	14.7	5.53	38.7	210	96.0	74	195	38
Ab Stress, ID	5917	Conrad	2	38.5	96.0	84	79.4	1.2	2	12.3	5.06	42.4	136	85.8	250	199	53
Ab Stress, ID	5918	Voyager	2	41.0	95.0	87	79.9	1.2	1	12.4	5.47	45.6	160	102.9	144	223	62
Ab Stress, ID	5919	Merit57	2	34.5	84.0	95	79.0	0.9	1	13.9	5.15	39.6	169	107.3	318	186	30
	5920	CONRAD MALT CHECK	2	40.0	97.3	54	81.9	1.1	1	12.2	5.51	47.9	133	96.9	254	234	55
Ab Stress, ID	5921	M69	2	39.3	91.6	87	77.8	1.2	1	12.4	5.07	41.0	114	78.2	98	204	54
Ab Stress, ID	5922	2Ab04-X01084-27	2	37.2	91.7	88	78.4	0.9	1	12.3	4.69	39.4	134	75.7	310	161	42
Ab Stress, ID	5923	2Ab07-X031098-31	2	37.7	84.4	95	79.9	1.1	1	13.0	5.55	44.6	169	90.2	61	224	57
Ab Stress, ID	5924	2Ab08-X05M010-65	2	39.4	94.5	86	81.3	0.9	1	10.6	4.56	46.8	121	80.9	215	175	50
Ab Stress, ID	5925	2Ab08-X05M010-82	2	36.9	85.4	86	78.8	1.1	1	12.4	5.08	43.2	138	98.9	130	190	51
Ab Stress, ID	5926	05ARS023-16	2	39.4	88.2	90	79.7	1.0	1	11.0	4.98	47.5	136	86.1	139	193	53
Ab Stress, ID	5927	08ARS012-79	2	39.6	92.2	86	79.9	1.2	1	12.6	5.27	43.4	144	95.7	286	206	57
Ab Stress, ID	5928	08ARS028-20	2	37.5	86.5	94	77.2	1.1	1	12.9	5.02	40.4	153	88.7	271	166	41
Ab Stress, ID	5929	08ARS035-47	2	41.2	96.4	96	79.7	0.9	1	13.0	5.10	41.1	154	87.9	280	192	59
Ab Stress, ID	5930	08ARS112-75	2	41.3	92.2	82	80.2	1.1	1	11.9	5.07	44.6	124	90.6	411	202	59
Ab Stress, ID	5931	08ARS116-91	2	40.4	95.8	83	81.3	1.4	2	11.4	5.29	49.1	125	69.0	179	218	56
Ab Stress, ID	5932	08ARS001-75	2	38.4	93.6	95	80.5	1.1	1	11.1	5.04	46.1	98	86.6	152	190	50
Ab Stress, ID	5933	10ARS041-1	2	40.8	91.8	99	79.8	1.4	2	11.3	5.15	46.9	105	92.2	230	193	55
Ab Stress, ID	5934	10ARS043-1	2	39.8	90.6	98	79.9	1.4	1	12.4	5.54	46.9	113	95.5	151	235	54
Ashton, ID	5935	Harrington	2	42.5	98.2	75	81.4	0.9	1	12.2	5.11	42.1	135	79.8	344	190	63

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha- amylase	Beta- glucan	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Ashton, ID	5936	ACMetcalfe	2	43.4	98.7	79	82.7	1.0	1	11.5	5.37	47.0	172	108.5	62	217	70
Ashton, ID	5937	CDC Copeland	2	44.2	99.2	79	81.7	1.4	2	11.8	5.60	51.2	162	97.3	68	211	64
Ashton, ID	5938	Conrad	2	41.4	98.5	77	80.1	1.2	2	12.6	5.06	41.6	174	88.0	231	181	56
Ashton, ID	5939	Voyager	2	44.1	98.5	84	82.6	1.5	1	11.3	5.71	53.1	146	105.5	75	242	61
Ashton, ID	5940	Merit57	2	39.6	95.8	87	81.4	1.1	1	11.5	5.01	47.6	137	113.8	71	192	62
Ashton, ID	5941	M69	2	44.7	98.6	71	81.5	1.1	1	12.0	4.95	42.6	143	79.2	21	199	70
Ashton, ID	5942	2Ab04-X01084-27	2	40.9	95.9	80	81.6	0.9	1	11.3	4.41	42.6	143	74.7	111	149	60
Ashton, ID	5943	2Ab07-X031098-31	2	42.4	96.0	80	82.5	1.1	1	12.6	5.24	44.8	182	82.9	20	207	70
Ashton, ID	5944	2Ab08-X05M010-65	2	40.3	95.6	81	81.2	0.9	1	11.5	4.55	41.5	139	81.7	176	164	57
Ashton, ID	5945	2Ab08-X05M010-82	2	40.0	95.3	83	81.0	1.1	1	11.8	4.77	41.9	149	91.4	45	172	61
Ashton, ID	5946	05ARS023-16	2	40.3	95.0	84	81.9	1.0	1	10.4	4.84	47.2	142	85.5	40	183	57
Ashton, ID	5947	08ARS012-79	2	43.4	97.0	81	82.7	1.3	1	10.6	5.15	51.3	107	97.1	126	203	53
Ashton, ID	5948	08ARS028-20	2	42.4	97.1	81	81.0	0.9	1	12.0	4.70	42.0	179	90.0	74	163	65
Ashton, ID	5949	08ARS035-47	2	42.8	98.4	85	82.5	1.0	1	11.0	4.66	44.3	149	89.7	65	167	60
Ashton, ID	5950	08ARS112-75	2	44.7	98.5	77	82.3	1.0	1	11.0	4.77	45.3	130	97.4	119	174	61
Ashton, ID	5951	CONRAD MALT CHECK	2	40.5	97.8	54	81.4	1.1	1	12.2	5.26	45.0	136	103.5	83	214	69
	5952	08ARS116-91	2	40.6	98.1	77	81.8	1.0	1	12.3	4.95	43.8	154	70.8	76	187	67
	5953	08ARS001-75	2	42.1	97.6	86	81.7	1.1	1	10.4	4.63	44.7	108	79.6	47	160	57
	5954	10ARS041-1	2	43.9	97.0	95	82.0	1.1	1	11.1	4.69	44.5	124	90.5	37	166	65
	5955	10ARS043-1	2	43.0	95.5	90	82.5	1.1	1	11.3	4.99	45.7	114	95.5	55	208	67
Filer, ID	5956	Harrington	2	35.1	76.9	82	79.9	0.8	1	13.1	4.99	38.6	127	80.3	235	188	38
Filer, ID	5957	ACMetcalfe	2	35.8	80.2	87	80.6	0.9	1	12.6	5.06	42.0	150	98.1	55	190	57
Filer, ID	5958	CDC Copeland	2	39.7	88.8	84	78.9	0.8	1	12.9	4.73	39.2	144	88.2	39	163	49
Filer, ID	5959	Conrad	2	37.7	91.9	81	79.1	0.9	1	13.3	4.90	39.4	153	93.6	81	175	44
Filer, ID	5960	Voyager	2	39.0	90.6	86	81.3	0.9	1	11.9	5.10	45.4	151	110.0	82	205	67
Filer, ID	5961	Merit57	2	34.4	73.8	88	79.2	0.8	1	12.8	4.89	39.0	167	100.9	219	173	37
Filer, ID	5962	M69	2	33.6	70.1	90	77.8	0.8	1	13.4	4.73	35.4	131	80.7	99	170	35
Filer, ID	5963	2Ab04-X01084-27	2	34.1	73.4	88	77.8	0.8	1	13.0	4.80	37.2	126	81.1	209	166	28
Filer, ID	5964	2Ab07-X031098-31	2	37.8	83.4	81	81.7	1.0	1	12.2	5.34	46.2	145	90.0	39	214	60
Filer, ID	5965	2Ab08-X05M010-65	2	34.2	74.1	85	78.8	0.8	1	12.7	4.74	39.7	116	77.7	243	175	34
Filer, ID	5966	2Ab08-X05M010-82	2	35.6	75.5	80	78.7	0.9	1	12.1	4.74	42.0	121	86.4	92	170	49
Filer, ID	5967	05ARS023-16	2	35.9	63.3	89	77.8	0.8	1	13.0	5.09	39.7	159	85.2	57	189	38
Filer, ID	5968	08ARS012-79	2	40.0	86.9	74	81.4	0.9	1	12.2	5.09	43.9	150	102.3	127	204	61
Filer, ID	5969	08ARS028-20	2	38.6	85.5	80	78.9	0.8	1	11.9	4.52	38.9	130	77.4	102	150	45
Filer, ID	5970	08ARS035-47	2	39.8	89.1	84	79.3	0.8	1	13.0	4.86	38.2	131	85.3	172	167	42
Filer, ID	5971	08ARS112-75	2	37.5	78.4	84	79.1	0.8	1	12.8	4.87	39.1	139	89.3	235	170	37
Filer, ID	5972	08ARS116-91	2	38.9	89.8	86	80.5	0.9	1	12.2	5.03	43.1	137	72.6	83	194	62
Filer, ID	5973	08ARS001-75	2	36.6	84.5	86	78.5	1.0	1	12.8	4.97	41.0	120	81.4	128	170	42
Filer, ID	5974	10ARS041-1	2	38.2	82.6	90	79.8	0.9	1	11.8	4.77	42.2	109	92.8	120	172	47
Filer, ID	5975	10ARS043-1	2	37.7	76.0	98	80.3	1.0	1	11.7	4.94	44.4	101	88.7	98	199	54
Tetonia, ID	5976	Harrington	2	38.7	95.4	85	79.0	0.7	1	12.5	4.79	39.1	159	77.1	136	171	47
Tetonia, ID	5977	ACMetcalfe	2	39.4	96.6	90	80.7	0.9	1	12.2	4.83	40.7	154	91.7	27	176	59
Tetonia, ID	5978	CDC Copeland	2	39.6	96.0	90	78.1	0.9	1	13.1	4.76	38.5	180	82.3	28	146	46
Tetonia, ID	5979	Conrad	2	38.5	98.4	81	79.3	1.0	2	12.1	4.71	39.7	151	84.5	41	169	50
Tetonia, ID	5980	Voyager	2	41.0	98.5	85	79.8	1.0	1	12.4	5.19	44.3	143	97.7	21	202	66
Tetonia, ID	5981	Merit57	2	34.0	85.8	97	79.5	0.8	1	12.6	4.68	39.5	166	98.0	73	153	50
Tetonia, ID	5982	CONRAD MALT CHECK	2	40.4	97.4	53	81.3	1.1	1	12.3	5.50	45.7	126	95.4	90	222	69
	5983	M69	2	41.0	96.4	84	79.7	1.0	1	10.1	4.48	45.5	109	75.7	28	160	53
	5984	2Ab04-X01084-27	2	39.2	93.5	91	80.2	0.9	1	10.4	4.39	42.6	135	79.5	58	151	50
	5985	2Ab07-X031098-31	2	39.1	92.6	94	80.6	0.8	1	12.8	5.09	42.7	200	80.8	14	188	62
	5986	2Ab08-X05M010-65	2	36.5	90.5	83	78.6	0.7	1	12.9	4.74	39.5	182	80.9	53	167	49
Tetonia, ID	5987	2Ab08-X05M010-82	2	37.0	86.6	87	78.3	0.9	1	12.9	4.85	37.7	194	88.1	31	168	47
Tetonia, ID	5988	05ARS023-16	2	38.3	88.2	87	78.5	0.8	1	12.9	4.96	39.7	179	86.9	23	188	52
Tetonia, ID	5989	08ARS012-79	2	39.9	94.6	87	81.0	1.0	2	12.1	4.97	44.5	147	96.1	37	200	63
Tetonia, ID	5990	08ARS028-20	2	39.5	94.2	91	78.8	0.9	1	12.2	4.47	38.5	160	76.1	43	147	51

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha- amylase	Beta- glucan	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Tetonia, ID	5991	08ARS035-47	2	39.8	97.9	94	80.8	0.8	1	10.9	4.65	44.5	145	83.8	23	169	54
Tetonia, ID	5992	08ARS112-75	2	38.5	96.5	87	80.9	1.0	1	12.9	5.12	41.5	153	70.7	28	201	64
Tetonia, ID	5993	08ARS116-91	2	39.9	95.6	89	79.9	0.8	1	11.6	4.71	42.5	150	95.0	77	172	59
Tetonia, ID	5994	08ARS001-75	2	37.1	92.5	87	79.2	0.9	1	11.9	4.60	41.8	126	77.2	56	151	54
Tetonia, ID	5995	10ARS041-1	2	38.1	86.1	99	79.0	0.9	1	12.4	4.69	39.8	154	83.7	31	158	49
Tetonia, ID	5996	10ARS043-1	2	38.4	80.5	99	79.5	0.9	1	11.6	4.93	42.5	136	86.6	33	195	59
Tet Dry, ID	5997	Harrington	2	32.5	70.5	83	75.9	0.7	1	16.6	5.14	31.7	209	76.5	245	188	26
Tet Dry, ID	5998	ACMetcalfe	2	31.2	62.2	94	76.1	0.9	1	17.3	5.68	33.2	250	108.8	66	226	31
Tet Dry, ID	5999	CDC Copeland	2	33.5	76.4	86	74.0	1.0	1	17.8	5.71	33.6	284	99.0	69	194	31
Tet Dry, ID	6000	Conrad	2	32.7	75.3	81	75.8	0.8	1	17.2	5.40	32.6	245	94.9	124	209	31
Tet Dry, ID	6001	Voyager	2	33.9	79.1	90	76.4	1.1	1	16.4	5.79	35.5	258	112.9	96	232	31
Tet Dry, ID	6002	Merit57	2	30.4	60.0	96	76.3	0.9	1	17.5	5.63	32.8	257	118.6	178	208	24
Tet Dry, ID	6003	M69	2	34.5	75.1	90	75.5	0.9	1	15.8	5.25	35.1	218	85.1	32	208	35
Tet Dry, ID	6004	2Ab04-X01084-27	2	32.7	53.7	87	75.6	0.9	1	16.4	5.26	32.4	255	90.5	180	189	26
Tet Dry, ID	6005	2Ab07-X031098-31	2	34.3	75.2	96	77.0	1.0	1	17.1	5.86	35.2	249	92.7	29	235	31
Tet Dry, ID	6006	2Ab08-X05M010-65	2	32.4	65.4	89	75.9	0.8	1	15.5	5.18	33.8	236	84.9	221	194	28
Tet Dry, ID	6007	2Ab08-X05M010-82	2	31.5	63.5	86	75.7	0.8	1	15.8	5.37	34.6	262	95.6	128	203	31
Tet Dry, ID	6008	05ARS023-16	2	31.6	52.1	90	75.1	0.9	1	16.7	5.62	35.6	264	90.4	75	216	31
Tet Dry, ID	6009	08ARS012-79	2	35.3	78.4	88	77.1	0.8	1	15.3	5.36	35.3	242	101.4	131	200	31
Tet Dry, ID	6010	08ARS028-20	2	33.9	73.9	92	75.5	0.9	1	16.4	5.20	32.8	225	91.0	213	180	26
Tet Dry, ID	6011	08ARS035-47	2	32.7	82.4	93	76.3	0.8	1	16.6	5.62	34.5	281	101.5	57	202	31
Tet Dry, ID	6012	08ARS112-75	2	34.3	76.4	89	77.2	0.7	1	14.7	5.03	36.1	215	97.6	187	189	26
	6013	CONRAD MALT CHECK	2	41.0	97.5	55	81.5	1.2	2	12.3	5.52	46.0	128	92.6	96	239	68
Tet Dry, ID	6014	08ARS116-91	2	32.2	75.2	85	78.4	1.1	1	16.4	5.78	36.7	212	73.8	84	248	35
Tet Dry, ID	6015	08ARS001-75	2	33.4	69.5	86	75.8	0.9	1	16.6	5.32	33.4	213	82.1	212	191	28
Tet Dry, ID	6016	10ARS041-1	2	33.2	67.9	95	76.3	0.9	1	16.0	5.45	34.5	248	94.2	153	208	28
Tet Dry, ID	6017	10ARS043-1	2	35.0	66.9	92	76.6	1.2	1	16.7	6.03	38.2	213	90.7	103	249	24
Williston, ND	6018	ROBUST	6	32.9	91.5	36	79.4	1.0	1	14.0	5.58	41.6	196	82.9	65	234	55
Williston, ND	6019	LACEY	6	33.4	93.0	40	78.7	1.0	1	13.5	5.59	41.7	211	94.6	32	227	57
Williston, ND	6020	TRADITION	6	34.8	94.7	39	78.1	0.9	1	14.3	5.43	40.1	265	98.6	28	219	49
Williston, ND	6021	STELLAR-ND	6	33.7	94.3	37	79.2	1.1	1	13.2	5.42	43.3	222	94.0	14	232	70
Williston, ND	6022	CELEBRATION	6	32.4	92.9	38	79.3	1.1	1	14.0	5.71	42.4	249	112.7	23	256	56
Williston, ND	6023	QUEST	6	33.0	93.7	36	79.0	1.0	1	13.9	5.66	42.2	209	99.6	68	232	62
Williston, ND	6024	INNOVATION	6	33.7	95.6	40	79.6	1.0	1	12.9	5.72	45.6	206	95.3	34	284	66
Williston, ND	6025	ND29196	6	31.4	92.6	39	78.5	1.1	1	13.6	5.61	43.7	200	101.5	52	233	61
Williston, ND	6026	ND31040	6	32.6	88.8	38	77.8	1.0	1	13.6	5.41	40.8	191	92.0	23	224	54
Williston, ND	6027	ND31091	6	32.7	92.9	36	79.0	1.0	1	12.9	5.49	44.6	204	92.8	15	211	70
Williston, ND	6028	ND31721	6	32.4	92.7	32	79.0	1.1	1	13.5	5.63	43.5	203	99.0	19	226	62
Williston, ND	6029	ND32889	6	34.5	93.6	37	79.5	1.1	1	12.8	5.93	47.0	207	101.3	13	267	66
Williston, ND	6030	ND32898	6	32.5	88.1	33	79.7	1.0	1	13.0	5.55	46.1	223	94.5	15	241	70
Williston, ND	6031	ND32920	6	33.3	95.1	38	79.4	1.1	1	12.7	5.67	46.2	212	93.4	18	250	70
Williston, ND	6032	ND33325	6	34.2	95.6	30	78.1	1.1	2	13.7	5.10	39.1	210	85.5	32	195	47
Williston, ND	6033	ND33413	6	32.7	93.7	36	78.7	0.9	1	14.1	5.67	40.5	232	93.6	70	236	52
Williston, ND	6034	CONLON	2	42.9	98.5	26	79.6	0.8	1	13.8	5.28	38.9	184	100.1	172	200	45
Williston, ND	6035	PINNACLE	2	42.5	97.0	29	81.0	0.9	1	12.5	4.93	41.1	176	86.4	122	187	64
Williston, ND	6036	ND GENESIS	2	40.1	97.4	28	80.3	0.9	1	12.8	5.20	43.6	157	108.8	57	202	66
Williston, ND	6037	AC METCALFE	2	37.9	94.9	43	80.2	1.1	1	14.4	5.88	41.6	183	109.1	30	248	48
Williston, ND	6038	CDC COPELAND	2	38.2	93.8	54	79.7	1.1	1	13.8	5.84	42.8	171	97.1	50	238	50
Williston, ND	6039	CDC MEREDITH	2	40.3	92.4	43	80.4	1.3	1	13.6	6.10	45.1	168	99.1	61	258	49
Williston, ND	6040	CONRAD	2	38.0	95.2	37	79.0	1.3	1	14.7	5.81	40.8	182	111.3	44	242	45
Williston, ND	6041	HOCKETT	2	42.0	96.2	36	80.8	1.1	1	13.6	5.68	44.8	180	109.9	100	232	52
Williston, ND	6042	AAC SYNERGY	2	40.9	96.3	37	80.8	1.3	1	13.2	6.27	51.0	161	114.3	16	263	49
Williston, ND	6043	SY SIRISH	2	38.4	97.2	26	79.3	0.9	1	13.7	5.21	40.3	181	76.6	18	199	51
	6044	LACEY MALT CHECK	6	33.1	89.3	42	79.5	1.7	1	13.4	5.96	47.3	185	87.7	23	265	61
Williston, ND	6045	2ND28065	2	39.1	96.3	29	80.9	0.8	1	12.9	5.32	44.2	164	85.3	86	208	64

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract		Clarity	Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color		(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Williston, ND	6046	2ND30837	2	41.9	97.9	17	80.6	1.2	1	14.4	5.90	43.3	185	113.4	31	253	52
Williston, ND	6047	2ND31914	2	46.1	98.9	29	80.1	1.1	1	13.0	5.69	44.2	211	100.1	35	219	63
Williston, ND	6048	2ND32184	2	41.2	98.0	22	80.5	1.0	1	13.1	5.37	42.1	148	103.8	24	195	61
Williston, ND	6049	2ND32322	2	41.6	96.6	27	81.7	1.4	1	12.7	6.04	50.8	157	119.0	37	248	57
Williston, ND	6050	2ND32529	2	39.9	95.1	37	81.8	1.1	1	12.6	5.80	48.5	180	107.9	14	231	58
Williston, ND	6051	2ND32657	2	43.1	97.8	38	82.3	1.2	1	11.8	5.75	50.1	158	112.8	25	244	61
Williston, ND	6052	2ND32658	2	41.5	97.9	30	82.4	1.2	1	11.9	5.79	48.6	155	114.3	31	249	60
Williston, ND	6053	2ND32829	2	45.6	97.5	26	82.3	1.2	1	12.0	5.85	49.7	123	98.9	12	244	61
Williston, ND	6054	ABI BALSTER	2	36.9	91.3	34	80.8	1.2	1	13.7	6.01	46.2	179	116.3	74	233	45
Williston, ND	6055	ABI GROWLER	2	40.1	95.0	44	80.0	1.3	1	13.7	6.06	45.5	204	98.7	52	235	49
Williston, ND	6056	LCS GENIE	2	38.9	95.7	29	81.3	1.0	1	13.5	5.45	43.0	216	73.1	21	195	62
Williston, ND	6057	LCS ODYSSEY	2	38.5	97.8	28	80.8	0.9	1	12.6	5.07	41.0	168	73.2	21	171	59
Williston, ND	6058	EXPLORER	2	44.2	97.8	18	79.5	1.1	1	14.0	5.80	43.4	171	104.2	15	220	53
Williston, ND	6059	PIONEER	2	43.0	99.1	24	79.6	1.2	1	13.2	5.78	44.5	169	105.9	13	215	58
Wooster, OH	6060	TPS001	2	41.3	89.7	39	78.1	1.0	1	13.3	5.28	41.1	128	64.1	480	182	47
Wooster, OH	6061	TPS002	2	42.7	97.7	42	78.3	0.8	1	13.6	4.88	37.3	119	48.0	554	157	31
Wooster, OH	6062	TPS003	2	38.6	94.7	53	76.7	1.1	1	14.6	4.97	36.6	109	57.0	570	164	27
Wooster, OH	6063	TPS004	2	46.9	95.6	42	76.8	1.4	2	14.9	5.91	40.3	120	50.9	262	202	38
Wooster, OH	6064	TPS005	2	43.6	95.4	51	77.9	1.0	1	13.9	5.45	41.5	137	55.9	444	186	41
Wooster, OH	6065	TPS006	2	41.3	92.8	43	76.5	0.9	1	15.2	5.10	33.9	128	46.9	506	168	29
Wooster, OH	6066	TPS007	2	45.6	93.9	33	76.5	1.2	1	16.0	5.60	35.7	131	48.3	484	189	29
Wooster, OH	6067	TPS008	2	40.6	92.3	32	77.3	0.9	1	13.9	5.23	38.8	131	59.0	447	175	32
Wooster, OH	6068	TPS009	2	43.0	95.9	52	77.9	0.8	1	14.1	5.00	36.5	140	56.9	425	152	33
Wooster, OH	6069	TPS010	2	33.0	77.5	44	75.4	0.8	1	15.0	5.05	35.3	130	57.5	460	160	23
Wooster, OH	6070	TPS011	2	40.1	91.8	34	75.1	1.0	1	16.2	5.33	33.8	145	64.0	543	177	32
Wooster, OH	6071	TPS012	2	43.2	95.7	34	77.2	0.9	1	15.1	5.17	34.6	150	63.8	438	156	33
Wooster, OH	6072	TPS013	2	42.6	93.0	28	76.1	0.9	1	14.9	5.28	36.9	145	54.2	486	158	33
Wooster, OH	6073	TPS014	2	49.6	98.9	45	78.1	1.5	2	13.5	5.59	43.2	83	51.6	455	182	37
Wooster, OH	6074	TPS015	2	35.6	87.2	32	78.0	1.0	1	13.5	5.09	39.0	119	64.1	408	160	28
	6075	CONRAD MALT CHECK	2	40.1	97.3	54	81.8	1.1	1	12.2	5.70	49.5	134	86.5	104	216	56
Wooster, OH	6076	TPS016	2	34.1	88.7	49	78.4	0.9	1	13.6	4.89	37.8	88	46.1	411	139	20
Wooster, OH	6077	TPS017	2	42.8	95.5	27	76.5	0.8	1	13.8	4.80	35.1	126	55.0	581	135	33
Wooster, OH	6078	TPS018	2	32.5	77.8	45	77.5	0.9	1	11.9	4.43	38.5	94	49.0	571	120	23
Wooster, OH	6079	TPS019	2	47.1	98.5	38	78.1	1.1	1	14.1	5.77	43.6	135	64.3	250	205	43
Wooster, OH	6080	TPS020	2	40.2	93.4	45	77.8	0.9	1	14.7	5.47	39.7	137	65.8	407	174	32
Wooster, OH	6081	TPS021	2	42.3	95.4	42	79.4	1.0	1	13.2	5.15	39.5	98	51.3	443	158	35
Wooster, OH	6082	TPS022	2	43.9	96.9	45	79.5	1.0	1	13.4	5.52	42.4	108	65.3	277	188	50
Wooster, OH	6083	TPS023	2	36.6	90.9	49	77.4	1.1	1	13.5	4.70	36.6	98	47.7	562	144	18
Wooster, OH	6084	TPS024	2	41.2	92.9	47	76.2	1.2	1	15.3	5.29	36.2	104	57.6	429	182	32
Wooster, OH	6085	TPS025	2	40.6	91.8	31	78.2	1.1	1	13.8	4.62	35.7	120	52.2	481	153	33
Wooster, OH	6086	TPS026	2	45.0	97.8	46	79.3	1.4	1	13.3	5.27	41.4	116	66.7	152	180	47
Wooster, OH	6087	TPS027	2	34.7	78.7	34	75.9	1.6	1	13.3	4.80	36.3	112	59.2	440	140	25
Wooster, OH	6088	TPS028	2	39.6	94.0	34	76.3	1.3	1	14.5	5.17	37.5	112	69.1	489	168	27
Wooster, OH	6089	TPS029	2	41.1	94.7	32	76.9	1.3	1	15.1	5.08	34.1	106	52.0	513	161	29
Wooster, OH	6090	TPS030	2	38.4	85.8	38	75.1	1.5	1	15.6	5.16	34.7	129	60.1	501	164	28
Wooster, OH	6091	TPS031	2	44.0	95.8	39	77.0	1.2	1	14.1	4.94	37.2	108	53.9	468	150	30
Wooster, OH	6092	TPS032	2	48.1	97.9	45	78.5	1.1	1	13.6	4.86	38.0	147	63.4	513	156	37
Wooster, OH	6093	TPS033	2	37.7	85.5	34	77.2	1.1	1	14.4	4.89	35.3	143	67.5	495	151	26
Wooster, OH	6094	TPS034	2	37.9	91.0	32	77.4	1.2	1	14.2	4.68	35.2	114	52.2	523	147	25
Wooster, OH	6095	TPS035	2	41.0	94.5	45	76.9	1.1	1	15.2	5.18	35.4	128	53.2	568	166	32
Wooster, OH	6096	TPS036	2	40.6	93.2	44	78.3	1.2	1	12.7	5.06	42.7	109	65.6	468	165	48
Wooster, OH	6097	TPS037	2	34.7	79.0	43	78.6	n.d.	3	12.5	4.63	40.1	97	60.2	380	135	33
Wooster, OH	6098	TPS038	2	37.0	85.0	41	77.4	1.8	2	14.8	5.55	39.4	149	67.2	216	196	30
Wooster, OH	6099	TPS039	2	33.4	77.6	39	77.5	n.d.	3	13.0	4.50	36.2	97	52.3	507	127	24
Wooster, OH	6100	TPS040	2	36.5	92.4	51	79.7	n.d.	3	12.2	5.34	47.6	124	60.5	247	181	46

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wooster, OH	6101	TPS041	2	39.5	85.8	42	77.3	1.4	1	15.6	4.94	32.7	114	56.7	474	157	25
Wooster, OH	6102	TPS042	2	40.7	90.9	38	77.7	n.d.	3	14.9	5.03	34.6	123	58.1	506	148	30
Wooster, OH	6103	TPS043	2	35.6	78.5	40	76.2	1.7	2	14.2	4.80	35.2	121	54.7	531	148	22
Wooster, OH	6104	TPS044	2	32.1	64.3	45	75.6	n.d.	3	13.7	5.08	39.6	132	68.5	369	153	21
Wooster, OH	6105	TPS045	2	35.2	83.4	29	76.1	1.9	2	14.1	4.48	33.8	114	54.2	567	128	19
	6106	CONRAD MALT CHECK	2	40.7	97.3	54	81.2	1.5	1	12.1	5.46	46.3	142	96.7	122	209	65
Wooster, OH	6107	TPS046	2	38.7	94.3	46	78.6	1.5	1	12.8	4.75	39.4	99	61.5	502	141	37
Wooster, OH	6108	TPS047	2	38.8	87.5	42	76.9	1.7	1	15.5	5.52	37.4	157	79.0	295	186	31
Wooster, OH	6109	TPS048	2	31.6	53.8	38	75.0	n.d.	3	14.4	4.90	36.1	130	61.4	438	147	21
Wooster, OH	6110	TPS049	2	40.3	93.7	46	78.6	n.d.	3	13.3	5.17	40.9	113	69.2	335	173	41
Wooster, OH	6111	TPS050	2	35.3	83.3	34	77.6	n.d.	3	13.1	5.02	39.5	103	55.8	340	164	23
Wooster, OH	6112	TPS051	2	34.3	77.8	32	76.4	1.9	2	14.6	4.66	31.9	116	60.8	549	146	19
Wooster, OH	6113	TPS052	2	37.0	93.2	44	76.4	1.4	1	15.5	4.82	32.7	130	56.5	561	148	28
Wooster, OH	6114	TPS053	2	34.7	69.2	47	74.6	n.d.	3	15.1	4.92	33.0	107	56.2	501	137	18
Wooster, OH	6115	TPS054	2	37.1	85.8	43	77.2	1.7	2	14.1	4.68	34.9	102	54.7	464	143	22
Wooster, OH	6116	TPS055	2	34.9	74.1	44	76.7	1.6	1	13.6	4.52	34.6	112	52.8	517	130	20
Wooster, OH	6117	TPS056	2	39.2	88.2	38	77.2	1.8	1	14.3	5.08	37.9	121	69.6	322	171	28
Wooster, OH	6118	TPS057	2	34.5	85.4	43	78.5	1.7	2	12.1	4.50	37.3	94	58.6	551	130	32
Wooster, OH	6119	TPS058	2	37.2	87.0	40	77.2	n.d.	3	12.8	4.84	39.3	87	69.3	508	155	27
Wooster, OH	6120	TPS059	2	42.0	89.6	49	74.9	n.d.	3	15.1	5.02	34.6	106	67.1	565	156	26
Wooster, OH	6121	TPS060	2	39.0	87.7	28	77.0	n.d.	3	14.0	4.90	35.4	99	60.4	293	158	19
Wooster, OH	6122	TPS061	2	35.3	81.3	36	76.4	1.5	2	14.0	4.48	33.9	93	50.1	536	132	15
Wooster, OH	6123	TPS062	2	40.6	95.2	42	76.6	n.d.	3	14.9	5.14	36.4	131	56.0	480	174	30
Wooster, OH	6124	TPS063	2	32.9	74.0	36	74.8	1.9	1	14.7	5.16	36.3	100	61.2	409	171	16
Wooster, OH	6125	TPS064	2	37.8	83.3	40	76.4	1.4	1	13.4	4.79	36.9	100	52.5	388	152	21
Wooster, OH	6126	TPS065	2	36.8	83.6	35	76.9	n.d.	3	14.0	4.80	35.1	95	67.4	461	155	14
Wooster, OH	6127	TPS066	2	38.9	85.8	42	76.7	1.4	1	13.7	4.82	35.3	88	56.3	533	158	21
Wooster, OH	6128	TPS067	2	33.2	75.6	35	76.7	1.7	1	12.6	4.87	41.2	91	60.0	396	158	31
Wooster, OH	6129	TPS068	2	35.8	91.2	43	77.7	1.6	1	13.6	4.85	38.1	121	60.4	424	162	28
Wooster, OH	6130	TPS069	2	43.0	91.9	36	77.2	1.5	1	14.6	4.91	35.5	129	58.9	330	156	33
Wooster, OH	6131	TPS070	2	37.1	83.2	48	77.5	1.3	1	14.8	5.08	35.0	104	60.3	523	171	20
Wooster, OH	6132	TPS071	2	37.0	86.5	48	78.6	2.1	2	13.6	5.02	38.9	112	78.3	294	178	26
Wooster, OH	6133	TPS072	2	38.7	86.8	49	78.0	n.d.	3	12.7	4.44	37.1	109	59.6	578	133	37
Wooster, OH	6134	TPS073	2	30.8	53.7	38	75.7	n.d.	3	13.5	4.56	34.5	105	65.1	519	127	18
Wooster, OH	6135	TPS074	2	36.0	85.8	41	77.9	n.d.	3	12.3	4.64	39.0	99	66.9	278	144	27
Wooster, OH	6136	TPS075	2	35.6	68.6	45	76.7	1.9	2	13.4	5.14	38.9	96	58.9	338	177	20
	6137	CONRAD MALT CHECK	2	40.4	97.1	52	81.3	1.5	1	12.8	5.24	44.1	125	90.7	152	211	62
Wooster, OH	6138	TPS076	2	32.6	69.8	47	76.5	n.d.	3	12.7	4.42	36.4	85	60.6	546	122	24
Wooster, OH	6139	TPS077	2	36.7	92.1	42	78.0	n.d.	3	13.4	4.96	37.1	89	54.5	507	162	28
Wooster, OH	6140	TPS078	2	33.3	60.3	33	75.4	2.0	2	14.3	4.42	31.7	121	51.1	518	130	22
Wooster, OH	6141	TPS079	2	35.9	79.5	43	77.6	n.d.	3	13.2	4.87	38.5	101	69.7	534	157	23
Wooster, OH	6142	TPS080	2	37.0	87.0	51	77.7	n.d.	3	12.0	4.16	34.7	98	46.5	581	118	20
Wooster, OH	6143	TPS081	2	31.9	79.7	45	77.6	n.d.	3	12.4	4.80	39.4	126	70.1	278	164	31
Wooster, OH	6144	TPS082	2	39.2	83.1	44	76.3	n.d.	3	14.1	4.89	36.4	126	72.3	317	157	23
Wooster, OH	6145	TPS083	2	38.0	89.4	26	76.5	n.d.	3	14.1	5.25	38.7	156	64.6	181	182	29
Wooster, OH	6146	TPS084	2	34.5	82.4	42	76.4	n.d.	3	13.5	4.78	37.9	90	55.5	410	155	19
Wooster, OH	6147	TPS085	2	35.8	80.7	48	77.9	n.d.	3	13.2	4.94	40.0	118	66.9	360	171	28
Wooster, OH	6148	TPS086	2	29.8	48.3	43	75.7	n.d.	3	12.9	4.69	36.8	112	67.1	491	142	28
Wooster, OH	6149	TPS087	2	35.3	88.8	36	77.9	n.d.	3	12.7	4.84	40.2	123	73.9	287	159	39
Wooster, OH	6150	TPS088	2	32.4	54.5	39	75.6	n.d.	3	13.0	4.79	38.0	127	65.9	413	158	26
Wooster, OH	6151	TPS089	2	35.2	84.1	45	76.6	n.d.	3	13.9	4.91	37.6	104	66.6	482	155	18
Wooster, OH	6152	TPS090	2	38.9	92.5	39	78.4	n.d.	3	11.5	4.86	44.0	94	71.0	345	154	40
Wooster, OH	6153	TPS091	2	38.6	85.7	34	78.0	n.d.	3	13.5	4.82	36.4	123	73.5	282	162	31
Wooster, OH	6154	TPS092	2	34.6	67.1	51	76.0	1.8	2	13.1	4.52	35.5	85	53.2	479	136	20
Wooster, OH	6155	TPS093	2	37.6	80.8	41	76.7	2.0	2	13.1	4.73	37.0	100	54.4	604	135	20

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha- amylase	Beta- glucan	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Wooster, OH	6156	TPS094	2	43.8	88.7	42	77.3	1.4	1	14.1	5.03	37.0	101	57.3	573	161	28
Wooster, OH	6157	TPS095	2	40.2	94.0	50	77.7	n.d.	3	14.1	4.90	35.5	108	44.2	559	156	24
Wooster, OH	6158	TPS096	2	34.0	77.5	35	75.6	1.9	2	14.8	4.51	31.5	99	48.2	615	135	12
Fargo, ND	6159	CONLON	2	41.6	95.9	27	80.0	2.5	1	13.9	5.89	44.6	131	108.2	310	230	45
Fargo, ND	6160	PINNACLE	2	36.7	87.2	18	78.7	2.5	1	12.0	5.66	47.9	109	105.9	114	222	41
Fargo, ND	6161	ND GENESIS	2	43.4	96.8	31	81.5	2.4	1	11.4	5.64	53.0	94	114.0	119	224	50
Fargo, ND	6162	LACEY	6	35.8	94.8	33	80.0	2.2	1	13.0	6.09	49.6	168	100.8	84	254	58
Fargo, ND	6163	TRADITION	6	33.8	88.0	36	78.8	2.0	1	13.6	5.83	44.8	225	99.7	156	243	54
Fargo, ND	6164	STELLAR-ND	6	33.9	90.5	39	79.8	2.4	1	12.7	6.24	50.3	200	112.7	91	282	58
Fargo, ND	6165	QUEST	6	33.0	91.5	37	79.7	2.2	1	13.7	6.27	48.5	184	101.5	183	261	46
Fargo, ND	6166	SCARLETT	2	33.2	86.1	25	80.0	2.5	1	14.2	5.57	39.6	124	106.4	164	215	38
Fargo, ND	6167	CDC COPELAND	2	37.1	85.6	35	80.1	2.8	1	13.0	6.48	52.1	119	108.6	87	271	45
	6168	LACEY MALT CHECK	6	33.1	89.6	42	79.2	2.5	1	13.4	5.91	45.8	148	84.4	71	253	66
Fargo, ND	6169	2ND28065	2	40.1	93.7	30	80.7	1.8	1	12.6	5.53	44.9	99	86.0	298	215	52
Fargo, ND	6170	04/506/42/8	2	38.4	93.0	12	80.2	2.4	1	12.8	5.74	45.5	116	96.6	90	230	57
Fargo, ND	6171	04/566/70/8	2	37.5	92.6	10	80.0	2.6	1	13.3	5.95	48.5	126	107.2	83	244	48
Fargo, ND	6172	10/508/24	2	43.0	94.1	16	81.0	2.7	1	12.7	6.45	52.6	124	99.6	64	280	58
Fargo, ND	6173	10/619/38	2	40.9	94.3	27	79.5	2.7	1	13.8	5.99	44.6	98	124.5	194	250	38
Fargo, ND	6174	10/619/56	2	38.7	93.9	31	79.8	2.6	1	14.4	6.13	44.4	95	116.2	159	241	33
Fargo, ND	6175	11/523/14	2	37.7	90.1	25	79.6	2.3	1	12.7	5.74	46.8	116	96.1	38	261	55
Fargo, ND	6176	11/524/19	2	38.7	91.1	20	79.4	2.5	1	12.9	5.78	46.4	124	96.5	83	250	60
Fargo, ND	6177	12/689/53	2	37.6	91.5	22	80.0	2.7	1	13.1	6.17	47.5	115	90.6	71	261	42
Fargo, ND	6178	12/689/19	2	40.1	96.0	20	81.0	2.8	1	12.2	5.93	51.1	92	102.2	68	270	50
Fargo, ND	6179	12/667/9	2	40.4	95.7	15	81.4	2.8	1	12.6	6.08	49.5	107	96.3	70	245	54
Fargo, ND	6180	12/689/39	2	38.6	92.3	18	80.6	3.0	1	12.0	5.76	49.7	116	96.7	72	255	52
Fargo, ND	6181	12/687/138	2	37.8	92.2	19	79.8	2.6	1	12.0	5.52	47.0	94	94.2	71	232	50
Fargo, ND	6182	12/688/45	2	38.5	94.2	26	80.2	2.7	1	12.3	6.05	51.7	99	113.6	66	267	45
Fargo, ND	6183	STEFFI	2	38.9	93.7	25	77.6	2.1	1	14.6	5.28	36.7	88	78.3	245	197	28
Fargo, ND	6184	ACORN	2	36.0	92.9	17	81.3	2.4	1	13.2	5.84	44.3	125	105.6	93	237	56
Fargo, ND	6185	KWS AMADORA	2	38.0	91.1	25	81.2	3.0	1	12.6	6.26	51.4	111	106.7	53	282	52
Fargo, ND	6186	KWS BECKIE	2	40.6	97.3	22	80.4	3.0	1	12.1	5.54	46.1	108	86.9	57	231	63
Fargo, ND	6187	KWS FANTEX	2	37.7	94.9	30	80.9	2.6	1	12.2	5.57	48.8	106	92.9	77	242	54
Fargo, ND	6188	KWS IRINA	2	38.6	93.7	18	80.1	2.9	1	12.7	5.94	47.3	122	92.1	88	271	55
Fargo, ND	6189	KWS THESSA	2	38.0	87.6	24	79.8	2.8	1	13.0	5.96	46.9	124	101.6	112	260	54
Fargo, ND	6190	KWS TINKA	2	40.5	93.6	25	79.8	2.2	1	13.8	5.98	44.8	114	99.4	52	248	49
Fargo, ND	6191	TRAVELLER	2	40.3	90.2	20	80.7	2.5	1	13.4	6.35	49.9	130	99.1	27	283	49
Fargo, ND	6192	EXPLORER	2	42.7	94.9	15	80.6	2.1	1	12.4	5.71	47.1	113	110.7	37	245	55
Fargo, ND	6193	PIONEER	2	41.3	91.9	17	79.6	2.3	1	12.3	5.70	47.5	107	117.2	34	239	54
Fargo, ND	6194	CRESCENDO	2	37.9	97.6	19	82.0	2.6	1	12.5	6.31	53.9	112	119.3	33	286	50
Fargo, ND	6195	SC 14129 O2	2	41.3	91.9	29	79.7	2.3	1	13.1	6.15	47.2	131	120.1	35	240	49
Fargo, ND	6196	SC 55623 O6	2	38.4	93.8	26	80.1	2.1	1	12.5	5.58	44.8	110	107.9	40	230	61
Fargo, ND	6197	SC 32753 P4	2	38.9	92.2	17	80.6	2.4	1	12.9	5.71	47.3	96	84.2	45	251	48
Fargo, ND	6198	SC 101-12A	2	39.4	93.4	25	80.7	2.1	1	12.7	5.73	48.6	85	82.0	31	234	48
	6199	CONRAD MALT CHECK	2	40.2	97.5	54	81.8	1.7	2	12.6	5.57	47.3	111	90.7	226	221	53
Fargo, ND	6200	SC 101-12E	2	38.5	87.9	25	81.1	2.1	1	12.9	5.92	48.1	108	86.9	29	243	53
Fargo, ND	6201	SC 195-18A	2	43.0	98.4	22	80.2	2.7	1	12.4	6.22	52.2	130	123.8	58	259	55
Fargo, ND	6202	SC 195-18H	2	41.8	97.4	28	80.7	2.3	1	12.7	6.19	51.7	133	124.8	31	265	54
Fargo, ND	6203	AAC SYNERGY	2	41.5	95.0	32	82.0	2.3	1	13.3	6.55	51.4	136	129.6	34	286	52
Fargo, ND	6204	SY SIRISH	2	39.3	96.4	25	81.0	1.9	1	12.7	5.69	45.0	144	92.6	28	230	60
Fargo, ND	6205	CDC MEREDITH	2	37.1	85.4	26	79.4	3.5	1	14.4	7.13	50.6	139	124.1	190	329	31
Fargo, ND	6206	ABI BALSTER	2	35.7	85.6	29	80.3	2.5	1	13.9	6.06	44.3	141	137.8	323	261	36
Fargo, ND	6207	ABI GROWLER	2	33.7	85.6	30	78.7	2.7	1	14.2	6.49	47.4	167	149.4	172	284	28
Fargo, ND	6208	LCS GENIE	2	37.5	89.9	16	80.5	2.4	1	13.7	6.33	46.7	184	109.9	27	265	43
Fargo, ND	6209	LCS ODYSSEY	2	36.1	95.4	19	80.2	2.5	1	13.0	5.86	47.5	121	114.0	42	236	48
Mount Vernon, WA	6210	Alba	6	36.0	86.2	35	77.2	1.8	2	11.6	4.48	39.2	96	51.9	778	132	28

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Mount Vernon, WA	6211	Wintmalt	2	43.3	94.4	15	77.6	2.0	2	13.1	5.06	40.0	148	42.8	432	163	39
Mount Vernon, WA	6212	Buck	6	28.0	54.1	0	82.1	1.5	2	15.2	4.91	34.3	102	56.9	823	140	21
Mount Vernon, WA	6213	#STRKR	6	30.4	61.3	0	83.1	1.5	2	13.1	4.54	36.0	113	47.9	806	121	29
Mount Vernon, WA	6214	10.1151	6	33.6	82.9	5	81.8	1.2	2	15.8	4.92	32.3	152	53.8	798	156	38
Mount Vernon, WA	6215	10.1986	6	37.5	87.7	1	81.1	1.4	2	12.9	4.60	36.5	110	45.0	988	143	35
Mount Vernon, WA	6216	10.1934	6	38.3	93.6	1	79.3	1.4	1	15.3	4.72	32.9	176	48.5	921	147	33
Mount Vernon, WA	6217	4-Jan	2	44.0	83.3	0	83.4	1.4	1	13.3	4.96	40.0	100	64.7	856	153	41
Mount Vernon, WA	6218	4-Apr	2	42.0	79.2	0	83.3	1.3	1	14.0	4.94	37.5	107	55.9	842	150	35
Mount Vernon, WA	6219	6-Jan	2	43.6	75.4	0	83.3	1.3	1	13.6	4.93	38.7	97	59.4	901	146	31
Mount Vernon, WA	6220	1-Jan	2	43.3	82.6	0	82.7	1.2	1	13.4	4.70	37.2	81	47.3	1049	127	33
Mount Vernon, WA	6221	DH133783	6	35.9	84.9	9	82.4	1.1	1	14.8	5.07	35.2	110	56.1	977	159	32
Mount Vernon, WA	6222	10.115	6	35.6	82.1	1	82.9	1.3	1	14.6	4.80	33.8	112	49.6	880	142	29
Mount Vernon, WA	6223	DH133394	6	31.4	48.9	5	84.3	1.3	1	12.6	4.82	39.8	83	57.0	905	140	36
Mount Vernon, WA	6224	10.1332	6	32.4	84.7	0	80.5	1.2	1	14.0	4.46	33.0	115	43.1	813	131	26
Mount Vernon, WA	6225	10.1154	6	32.8	79.5	9	83.2	1.5	2	13.0	4.68	36.7	130	50.2	719	136	40
Mount Vernon, WA	6226	Violetta	2	47.5	97.6	19	78.9	1.3	1	14.4	5.68	41.2	235	46.7	367	205	40
Mount Vernon, WA	6227	Glacier	2	44.3	89.0	14	78.4	1.7	2	11.9	4.36	37.4	107	43.2	771	123	34
Mount Vernon, WA	6228	DH130910	2	53.7	98.6	22	78.8	1.5	2	13.7	5.42	41.6	186	36.5	380	186	37
Mount Vernon, WA	6229	Talisman	2	45.0	89.9	12	79.5	1.3	1	11.7	4.94	42.8	155	45.1	372	165	50
	6230	LACEY MALT CHECK	6	32.8	88.8	42	79.9	2.2	1	13.2	6.03	47.6	165	93.5	56	280	58
Mount Vernon, WA	6231	Venture	2	43.0	89.3	19	79.0	1.2	1	12.3	4.60	38.9	121	61.0	380	160	45
Mount Vernon, WA	6232	DH120479	2	52.3	97.9	23	77.6	1.4	1	15.1	5.55	37.4	226	45.2	326	195	35
Mount Vernon, WA	6233	DH131038	2	44.6	94.6	16	77.7	1.7	2	14.5	5.65	40.5	191	54.3	344	204	38
Mount Vernon, WA	6234	DH131127	2	41.7	94.9	14	77.0	1.5	1	14.7	5.06	35.8	166	40.0	353	167	29
Mount Vernon, WA	6235	10.0925	2	41.8	94.9	23	76.5	n.d.	3	13.7	4.22	31.4	89	31.0	779	126	12
Mount Vernon, WA	6236	DH140184	2	46.1	94.5	29	79.3	1.2	1	13.1	5.04	41.1	157	47.6	409	154	44
Mount Vernon, WA	6237	10.1044	2	44.0	96.3	19	77.4	n.d.	3	13.5	4.64	34.7	190	31.6	651	137	24
Mount Vernon, WA	6238	DH130939	2	43.1	93.1	28	79.6	2.3	2	14.4	6.23	43.3	111	62.9	500	226	39
Mount Vernon, WA	6239	Copeland	2	36.7	86.1	52	81.8	1.4	1	10.4	5.20	52.6	119	91.3	130	216	46
Mount Vernon, WA	6240	Richard	2	43.8	93.1	30	81.0	1.3	1	11.4	4.88	43.3	132	70.4	332	168	58
Mount Vernon, WA	6241	Krona	2	41.0	96.4	29	80.8	1.8	2	11.7	4.88	44.7	117	72.2	322	187	53
Mount Vernon, WA	6242	Glassel	2	39.9	94.1	29	82.6	1.3	1	10.5	4.72	49.0	138	85.8	28	170	52
Mount Vernon, WA	6243	Belgravina	2	42.4	96.2	29	83.1	1.2	1	9.5	4.55	48.6	138	98.3	50	177	55
Mount Vernon, WA	6244	Chronicle	2	41.3	96.4	30	83.2	1.2	1	10.7	4.68	47.6	134	73.3	30	200	59
Mount Vernon, WA	6245	Propino	2	44.6	98.2	32	81.9	1.2	1	11.0	4.69	44.6	155	79.0	38	171	60
Mount Vernon, WA	6246	Tipple	2	41.9	95.2	37	81.4	1.2	1	10.2	4.33	44.9	136	67.1	81	156	55
Mount Vernon, WA	6247	Alexis	2	38.5	91.0	38	79.8	1.3	1	11.1	4.28	41.2	130	61.2	125	138	51
Mount Vernon, WA	6248	Cellar	2	43.8	97.2	34	81.9	1.2	1	11.2	4.65	44.0	157	67.2	154	174	58
Mount Vernon, WA	6249	Defra	2	40.3	97.3	27	81.7	1.0	1	10.7	4.28	43.8	101	53.3	106	148	48
Mount Vernon, WA	6250	Oxbridge	2	42.4	97.0	34	82.4	1.1	1	9.9	4.23	46.3	68	56.6	140	160	45
Mount Vernon, WA	6251	Quench	2	41.1	94.7	32	81.9	1.1	1	9.8	4.35	45.6	112	56.8	30	147	52
Mount Vernon, WA	6252	Amulet	2	43.7	96.5	20	80.3	1.1	1	11.0	4.42	41.0	130	49.3	235	153	47
Mount Vernon, WA	6253	Cocktail	2	42.9	93.9	33	81.8	1.1	1	10.5	4.42	44.0	120	59.5	137	155	53
Mount Vernon, WA	6254	Chalice	2	39.8	92.3	30	80.1	1.1	1	11.7	4.27	39.3	104	54.8	183	126	40
Mount Vernon, WA	6255	Chariot	2	39.9	95.1	28	80.4	1.2	1	11.8	4.37	39.8	125	51.8	191	144	43
Mount Vernon, WA	6256	Decanter	2	38.7	90.4	23	81.9	1.2	1	10.9	4.87	45.6	138	90.8	333	180	53
Mount Vernon, WA	6257	Optic	2	44.4	94.6	20	79.2	1.7	2	11.8	4.33	39.6	70	57.5	597	139	35
Mount Vernon, WA	6258	FullPint	2	36.8	84.5	31	77.5	1.5	1	12.5	5.42	45.0	173	139.1	261	219	43
Mount Vernon, WA	6259	Baronesse	2	40.6	89.1	18	75.1	1.5	2	13.9	4.73	34.8	115	51.0	495	142	26
Mount Vernon, WA	6260	Richard	2	42.2	87.1	32	78.9	1.4	1	13.7	5.16	38.2	157	68.2	352	193	40
	6261	CONRAD MALT CHECK	2	40.3	97.3	55	81.1	1.6	1	12.3	5.24	44.9	144	100.0	189	231	62
Mount Vernon, WA	6262	Copeland	2	37.3	83.4	50	80.9	1.4	1	11.3	5.26	50.2	132	92.0	173	217	45
Mount Vernon, WA	6263	FullPint	2	40.0	91.0	36	79.8	1.6	1	11.1	5.09	46.4	150	127.3	336	225	59
Mount Vernon, WA	6264	Pilot	2	43.6	95.5	31	82.6	1.4	1	10.5	4.79	48.4	124	84.5	78	199	60
Mount Vernon, WA	6265	Genie	2	42.9	95.6	21	82.7	1.3	1	12.0	4.91	44.5	169	69.2	37	199	70

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Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract			Protein	Protein			amylase	glucan		
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(°ASBC)	(20°DU)	(ppm)	(ppm)	Score
Mount Vernon, WA	6266	Overture	2	42.8	96.5	25	83.3	1.4	1	11.0	4.86	46.5	147	91.3	34	221	65
Mount Vernon, WA	6267	Odyssey	2	46.5	97.9	29	82.5	1.3	1	11.0	4.54	43.4	118	67.7	51	178	57
Mount Vernon, WA	6268	Explorer	2	47.9	86.8	14	80.4	1.5	1	12.6	5.23	43.4	139	96.6	29	210	65
Mount Vernon, WA	6269	UC1323	2	43.8	97.4	28	80.3	2.0	1	14.5	6.16	44.1	127	86.3	430	312	43
Mount Vernon, WA	6270	UCMV2	2	46.2	98.0	33	79.5	1.4	1	12.1	4.77	39.6	119	67.4	533	178	47
Mount Vernon, WA	6271	UCMV3	2	50.5	98.4	37	81.6	1.5	1	10.3	4.88	49.0	123	64.8	365	195	53
Mount Vernon, WA	6272	UCMV4	2	47.0	95.8	35	80.5	1.2	1	11.4	4.92	46.7	87	82.5	464	184	51
Mount Vernon, WA	6273	UCMV5	2	50.8	98.0	30	79.3	1.3	1	11.7	4.90	42.6	88	77.5	261	186	48
Mount Vernon, WA	6274	UCMV6	2	58.1	99.0	25	79.4	1.3	1	12.7	4.87	38.6	108	58.3	509	170	44
Mount Vernon, WA	6275	UCMV7	2	46.3	95.3	30	77.9	1.7	2	12.3	4.73	39.9	126	58.4	670	172	42
Mount Vernon, WA	6276	UCMV8	2	54.2	99.2	23	76.8	1.4	2	14.5	4.80	33.9	72	41.2	843	151	22
Mount Vernon, WA	6277	UCMV9	2	53.4	92.1	31	78.3	1.4	1	11.8	4.61	40.0	150	59.0	517	155	47
Mount Vernon, WA	6278	UCMV10	2	50.7	97.2	34	79.3	1.3	1	11.8	4.57	41.8	100	70.3	439	148	45
Mount Vernon, WA	6279	UCMV11	2	53.2	97.2	39	79.3	1.7	1	10.7	4.46	44.5	96	52.5	481	150	40
Mount Vernon, WA	6280	UCMV12	2	45.6	92.1	35	79.2	1.4	1	11.5	4.92	45.8	74	83.8	266	174	45
Mount Vernon, WA	6281	UCMV13	2	49.1	95.0	30	78.9	1.4	2	11.0	4.53	41.6	60	63.3	492	152	39
Mount Vernon, WA	6282	UCMV15	2	51.3	96.2	26	79.7	1.6	2	10.9	4.76	45.0	58	75.9	512	200	47
Mount Vernon, WA	6283	UCMV17	2	44.1	96.9	30	83.4	1.9	1	11.8	5.91	50.4	110	107.0	291	285	51
Mount Vernon, WA	6284	Jet	2	37.0	55.0	0	77.9	1.4	1	16.0	4.69	30.3	95	41.4	671	140	13
Mount Vernon, WA	6285	Meresse	2	34.6	75.9	27	83.7	1.3	2	10.8	4.29	41.4	60	47.9	816	138	28
Mount Vernon, WA	6286	Oscar	2	38.8	74.5	0	81.6	1.3	2	14.1	4.46	34.0	108	29.1	664	129	24
Mount Vernon, WA	6287	Purple Prairie	2	33.1	65.6	0	80.0	1.2	1	15.3	5.05	34.6	96	42.2	735	153	20
Mount Vernon, WA	6288	Purple Egyptian	6	27.4	54.1	0	73.8	1.8	1	15.7	5.38	35.2	168	51.6	616	163	23
Mount Vernon, WA	6289	XO5013-TI	2	37.8	88.4	24	86.5	1.2	2	11.6	4.38	41.2	57	51.8	828	133	39
Mount Vernon, WA	6290	BB5	6	33.7	83.6	0	79.6	1.6	1	12.7	4.17	33.1	101	35.8	747	117	32
Mount Vernon, WA	6291	BB6	6	34.0	83.8	0	81.5	1.5	1	12.3	4.31	35.1	93	37.1	743	120	32
Mount Vernon, WA	6292	CONRAD MALT CHECK	2	40.1	97.3	55	81.8	1.7	1	12.2	5.68	48.3	127	97.9	248	239	53
Mount Vernon, WA	6293	BB8	6	29.7	71.9	0	80.1	1.5	1	14.5	4.73	34.1	123	46.7	692	149	22
Mount Vernon, WA	6294	BB14	6	35.0	84.3	0	81.5	1.6	1	11.7	4.23	36.6	101	40.5	756	117	36
Mount Vernon, WA	6295	BB17	6	33.9	81.1	0	77.9	1.5	1	14.6	4.33	31.0	106	36.7	743	118	16
Mount Vernon, WA	6296	BB19	6	32.0	67.0	0	77.8	1.3	1	15.0	4.13	28.3	114	31.9	794	92	10
Mount Vernon, WA	6297	BB20	6	36.9	83.2	0	81.1	1.1	1	12.0	3.72	31.2	73	25.3	823	85	32
Mount Vernon, WA	6298	Tamalpais	6	33.2	87.2	35	78.0	1.2	1	12.4	4.33	36.8	121	57.6	682	119	37
Mount Vernon, WA	6299	DH133904	6	36.4	90.3	7	83.9	1.5	2	11.9	4.40	39.0	103	46.9	744	128	35
Mount Vernon, WA	6300	DH133476	6	30.9	70.5	31	87.7	1.7	2	10.9	5.15	50.4	88	108.3	817	193	33
Mount Vernon, WA	6301	DH133529	6	36.9	67.6	0	85.7	1.4	2	13.4	4.73	37.7	117	66.7	699	144	33
Mount Vernon, WA	6302	DH133532	6	34.2	55.7	5	84.5	0.9	1	13.1	4.38	34.8	109	51.0	749	125	34
Mount Vernon, WA	6303	DH133535	6	34.3	60.4	13	86.3	1.4	1	12.3	5.17	45.6	109	87.5	536	178	42
Mount Vernon, WA	6304	DH133556	6	38.2	84.8	0	83.6	1.5	2	13.9	4.42	33.4	74	47.9	712	122	30
Mount Vernon, WA	6305	10.0662	2	47.7	94.3	7	82.0	0.8	1	14.5	4.28	30.3	68	33.4	833	101	25
Mount Vernon, WA	6306	10.0655	2	46.2	94.1	14	82.4	0.8	1	14.9	4.05	28.2	46	34.2	835	95	25
Mount Vernon, WA	6307	10.0883	2	46.2	89.7	0	83.7	1.8	2	14.4	4.81	34.9	74	40.6	780	122	30
Mount Vernon, WA	6308	DH120058	2	32.1	65.7	42	76.6	1.4	1	13.1	5.39	42.4	219	82.9	224	193	38
Mount Vernon, WA	6309	DH120145	2	31.6	65.5	35	76.4	1.4	1	11.4	4.82	43.9	144	64.0	253	172	38
Mount Vernon, WA	6310	DH120031	2	41.3	91.3	32	78.4	1.4	1	12.7	5.48	45.1	175	91.3	359	230	56
Mount Vernon, WA	6311	DH120090	2	38.6	92.8	43	77.9	1.1	1	13.0	4.62	37.7	156	75.1	200	159	35
Mount Vernon, WA	6312	DH120285	2	37.8	89.0	35	79.7	1.6	1	11.7	5.42	47.1	172	110.1	199	237	48
Mount Vernon, WA	6313	120314	2	38.0	86.7	32	78.8	1.4	1	12.1	5.23	46.4	121	115.5	380	219	52
Mount Vernon, WA	6314	120331	2	38.8	91.0	36	78.4	1.0	1	11.7	4.31	38.3	127	61.4	380	145	40
Mount Vernon, WA	6315	120341	2	35.7	82.2	39	80.8	1.4	1	10.3	4.85	49.1	127	99.5	360	187	38
Mount Vernon, WA	6316	120365	2	37.6	89.4	14	78.2	1.3	1	12.7	4.98	42.3	159	74.1	411	198	50
Mount Vernon, WA	6317	120374	2	33.6	80.3	43	78.8	1.5	1	11.8	5.07	45.9	160	103.4	405	198	47
Mount Vernon, WA	6318	120510	2	43.5	94.1	27	77.6	1.2	1	12.5	4.76	39.5	152	54.3	477	165	43
Mount Vernon, WA	6319	120516	2	34.8	80.7	47	77.5	1.4	1	12.3	4.76	41.0	192	75.8	346	167	38
Mount Vernon, WA	6320	120520	2	35.7	88.7	33	79.1	1.5	1	11.1	4.92	47.4	172	90.1	258	203	45

2016 Crop Year Breeders' Submissions

Location	Lab No.	Variety or Selection	Rowed	Kernel	on	Barley	Malt	Wort	Wort	Barley	Wort	S/T	DP	Alpha-	Beta-	FAN	Quality
				Weight	6/64"	Color	Extract										
				(mg)	(%)	(Agtron)	(%)	Color	Clarity	(%)	(%)	(%)	(*ASBC)	(20°DU)	(ppm)	(ppm)	Score
Mount Vernon, WA	6321	120536	2	41.6	95.6	41	79.5	1.3	1	11.2	4.50	41.7	159	70.2	333	147	54
Mount Vernon, WA	6322	120657	2	33.4	81.7	45	79.4	1.7	1	11.6	5.03	46.8	130	93.1	247	227	47
	6323	LACEY MALT CHECK	6	33.2	90.4	40	79.1	2.4	2	13.4	5.76	43.9	157	88.4	102	277	65
Mount Vernon, WA	6324	120661	2	33.6	81.5	37	77.6	1.4	1	11.3	4.25	37.6	132	58.7	494	132	29
Mount Vernon, WA	6325	120671	2	38.7	91.7	38	77.9	1.3	1	12.3	4.48	39.5	152	65.7	243	179	40
Mount Vernon, WA	6326	120691	2	40.4	91.5	40	79.0	1.5	1	11.3	4.74	44.2	113	81.4	524	209	53
Mount Vernon, WA	6327	120731	2	32.8	82.5	33	78.5	1.3	1	11.1	4.19	39.3	108	50.7	346	138	30
Mount Vernon, WA	6328	120322	2	40.8	88.4	25	76.2	1.2	1	13.8	4.79	36.6	181	62.9	530	157	30
Mount Vernon, WA	6329	120359	2	25.4	19.9	35	74.9	1.5	1	12.2	4.12	34.8	120	55.3	451	119	26
Mount Vernon, WA	6330	120373	2	30.9	68.4	40	78.6	1.7	1	11.1	4.90	44.5	94	110.1	214	194	40
Mount Vernon, WA	6331	120744	2	30.6	69.7	29	78.9	1.8	1	11.5	4.96	47.0	96	113.0	332	206	40
Mount Vernon, WA	6332	120329	2	37.1	85.2	25	79.2	1.3	1	9.6	4.11	43.9	120	55.7	431	142	36
Mount Vernon, WA	6333	Golden Promise	2	32.9	79.0	41	78.1	1.4	1	10.7	3.97	38.4	107	49.1	470	126	19
Mount Vernon, WA	6334	Full Pint	2	37.6	88.7	39	79.4	1.6	1	11.7	5.09	45.6	157	126.4	369	208	53
Mount Vernon, WA	6335	Copeland	2	39.6	95.1	45	82.1	1.5	1	9.3	4.72	54.0	91	100.0	150	183	44
Pullman, WA	6336	15WA-118.33	2	41.1	91.8	40	84.2	1.4	1	15.1	4.93	34.4	140	85.0	586	165	42
Pullman, WA	6337	15WA-106.7	2	40.0	86.5	48	81.7	1.2	1	13.7	4.21	31.4	110	61.5	744	129	31
Pullman, WA	6338	15WA-117.2	2	41.8	91.1	68	79.1	1.4	2	14.1	4.01	29.3	70	52.2	808	114	24
Pullman, WA	6339	15WA-117.17	2	43.4	94.5	41	82.6	n.d.	3	15.3	4.22	28.6	85	54.9	797	119	30
Pullman, WA	6340	15WA-122.6	2	37.8	91.7	68	76.4	1.3	1	14.7	4.26	29.2	98	55.8	813	123	17
Pullman, WA	6341	15WA-117.12	2	43.7	96.6	67	77.7	1.2	2	14.8	4.12	28.2	94	49.2	832	113	18
Pullman, WA	6342	15WA-120.8	2	42.7	96.8	67	80.9	1.4	1	14.5	4.62	33.1	117	73.0	790	158	37
Pullman, WA	6343	15WA-122.3	2	38.5	92.8	52	76.4	1.2	1	14.8	4.25	29.3	92	61.7	805	114	19
Pullman, WA	6344	15WA-117.14	2	43.0	92.4	53	80.2	1.1	2	14.9	3.99	28.0	90	50.6	827	107	25
Pullman, WA	6345	15WA-122.14	2	39.7	91.5	49	77.4	1.3	1	15.4	4.10	27.1	96	55.2	827	106	19
Pullman, WA	6346	15WA-121.16	2	40.6	93.7	69	77.7	1.3	1	15.3	4.13	27.0	108	55.8	829	108	25
Pullman, WA	6347	15WA-118.25	2	40.9	94.4	63	78.0	n.d.	3	13.8	4.23	31.2	143	60.4	510	115	30
Pullman, WA	6348	15WA-118.32	2	40.3	95.3	48	82.9	1.0	1	13.9	3.83	29.1	71	52.0	804	99	28
Pullman, WA	6349	15WA-121.4	2	41.0	91.4	41	79.9	0.9	1	16.7	4.01	25.3	131	47.0	836	100	32
Pullman, WA	6350	15WA-120.2	2	37.3	92.9	46	83.8	1.2	1	14.6	4.08	29.6	107	58.0	776	108	31
Pullman, WA	6351	15WA-118.24	2	45.3	97.2	57	78.2	1.4	1	14.2	4.86	35.6	115	88.0	614	174	34
Pullman, WA	6352	15WA-121.7	2	36.9	80.4	51	80.4	n.d.	3	14.6	3.79	27.3	100	52.4	820	94	18
Pullman, WA	6353	15WA-121.14	2	39.7	89.2	80	78.0	n.d.	3	14.1	4.29	31.4	117	57.6	616	126	19
Pullman, WA	6355	15WA-121.12	2	38.8	90.2	77	79.7	1.4	1	14.2	4.77	35.7	143	72.5	727	160	37
Pullman, WA	6356	15WA-106.5	2	40.8	96.7	53	78.5	1.4	1	14.0	4.31	31.0	137	67.6	827	135	32
Pullman, WA	6357	15WA-118.31	2	38.8	91.5	48	82.1	1.3	2	15.4	4.21	27.5	88	59.5	888	113	28
Pullman, WA	6358	15WA-117.4	2	45.7	95.9	67	77.9	1.6	1	13.7	4.30	31.7	90	54.4	890	124	22
Pullman, WA	6359	15WA-118.34	2	41.2	93.3	47	83.6	1.0	1	14.6	4.24	29.9	89	56.9	878	119	31
Pullman, WA	6360	15WA-106.24	2	41.8	96.8	55	79.2	1.3	1	13.9	4.39	32.5	137	57.9	669	140	32
Pullman, WA	6361	15WA-118.29	2	42.9	96.0	62	78.8	1.5	1	14.2	4.43	31.5	78	64.2	882	140	30
Pullman, WA	6362	15WA-122.11	2	41.2	92.0	55	80.4	1.3	1	14.0	4.05	30.9	76	50.1	886	102	28
Pullman, WA	6363	15WA-114.7	2	40.4	84.7	50	83.5	1.7	2	13.2	4.14	31.8	142	51.0	679	109	37
Pullman, WA	6364	15Wa-118.22	2	42.5	94.7	62	81.1	1.2	1	13.9	4.09	30.7	82	53.1	864	111	32
Pullman, WA	6365	15WA-117.7	2	42.4	91.7	49	84.0	1.4	2	14.6	4.02	28.9	58	50.9	893	106	31
Pullman, WA	6366	15WA-114.6	2	44.2	92.7	59	81.4	1.2	1	13.9	3.92	28.5	109	42.3	831	106	30
Pullman, WA	6367	15WA-106.2	2	38.7	86.7	40	82.1	1.3	1	15.0	4.50	31.9	146	68.3	674	132	38
Pullman, WA	6368	15WA-114.10	2	42.7	93.2	75	77.2	1.4	2	13.2	4.18	31.6	131	51.6	730	117	33
Pullman, WA	6369	15WA-117.9	2	42.4	94.6	52	82.5	1.9	2	15.5	4.21	27.2	106	55.6	844	114	35
Pullman, WA	6370	15WA-122.4	2	41.0	94.5	70	78.6	1.5	1	13.8	4.00	29.1	76	45.0	893	97	19
Pullman, WA	6371	15WA-122.16	2	41.5	94.8	63	79.0	1.6	2	14.2	4.18	30.6	91	53.2	873	112	24
Pullman, WA	6372	15WA-121.11	2	41.4	94.4	58	79.2	1.3	1	14.5	4.55	32.5	174	66.6	608	134	36
Pullman, WA	6373	15WA-117.16	2	42.3	97.2	54	83.0	n.d.	3	15.6	4.13	27.9	108	60.0	858	114	34
Pullman, WA	6374	15WA-114.12	2	41.8	93.2	62	80.7	n.d.	3	14.8	4.23	30.4	92	52.8	885	119	26
Pullman, WA	6375	15WA-122.3	2	40.4	96.4	69	77.4	1.7	2	14.2	4.31	30.7	105	63.0	860	123	24
Pullman, WA	6376	15WA-120.11	2	43.3	97.4	61	78.6	1.9	2	13.1	4.10	31.9	91	58.7	863	119	30

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha-amylase (20°DU)	Beta-glucan (ppm)	FAN (ppm)	Quality Score
Pullman, WA	6377	15WA-118.20	2	42.1	98.6	73	80.4	2.0	2	14.7	4.29	29.2	81	55.9	880	113	28
Pullman, WA	6378	15WA-117.6	2	42.3	95.0	51	82.7	n.d.	3	15.6	4.32	28.9	69	55.9	856	120	30
Pullman, WA	6379	15WA-106.3	2	38.8	87.8	58	79.6	1.2	1	15.2	4.67	32.0	192	66.2	534	156	35
Pullman, WA	6380	15WA-117.13	2	41.2	94.1	45	82.0	n.d.	3	16.3	4.28	26.3	100	50.1	877	111	29
Pullman, WA	6381	15WA-106.8	2	38.9	94.1	59	81.3	1.4	1	14.1	4.40	32.2	123	59.0	780	134	40
Pullman, WA	6382	15WA-118.21	2	42.7	96.5	68	79.6	2.0	2	13.3	4.64	34.9	120	64.0	644	141	44
Pullman, WA	6383	15WA-117.10	2	44.4	96.8	71	79.1	1.6	2	14.4	4.05	28.9	82	47.1	895	108	22
Pullman, WA	6384	15WA-122.17	2	38.7	93.7	68	77.4	1.8	2	15.2	4.07	27.2	81	52.3	860	104	18
Pullman, WA	6386	15WA-120.14	2	41.7	95.4	55	79.7	1.3	1	15.5	4.23	28.6	130	55.6	873	116	35
Pullman, WA	6387	15WA-114.3	2	40.6	88.7	58	79.8	n.d.	3	13.7	4.45	32.9	137	60.2	525	134	35
Pullman, WA	6388	15WA-122.2	2	38.4	89.0	58	80.0	1.6	2	15.8	3.97	26.0	92	53.2	879	102	20
Pullman, WA	6389	15WA-117.8	2	41.6	94.8	43	81.5	n.d.	3	16.3	4.01	24.6	102	54.1	872	103	33
Pullman, WA	6390	15WA-117.11	2	39.9	89.5	48	83.2	n.d.	3	15.0	4.14	28.3	84	53.4	864	109	25
Pullman, WA	6391	15WA-120.9	2	41.2	94.2	61	79.7	n.d.	3	14.0	4.65	35.5	82	67.4	782	155	30
Pullman, WA	6392	15WA-121.21	2	39.1	83.8	48	81.6	1.7	2	15.3	4.34	29.7	198	54.1	603	112	30
Pullman, WA	6393	15WA-106.10	2	40.2	93.3	52	79.3	1.5	1	15.2	4.84	33.4	155	69.9	379	157	36
Pullman, WA	6394	15WA-118.28	2	40.2	90.7	50	82.7	1.8	2	16.1	4.27	28.2	90	57.7	771	116	30
Pullman, WA	6395	15WA-118.30	2	42.6	96.7	73	78.5	1.5	1	14.1	4.45	32.5	80	63.9	787	142	30
Pullman, WA	6396	15WA-117.5	2	43.2	96.4	58	79.9	n.d.	3	15.7	4.31	27.6	101	51.5	789	112	31
Pullman, WA	6397	15WA-105.4	2	40.8	91.1	54	81.9	1.7	2	14.1	4.38	31.6	60	54.9	786	120	30
Pullman, WA	6398	15WA-114.8	2	43.7	96.5	67	79.1	1.3	1	14.0	4.09	30.8	91	47.1	663	115	23
Pullman, WA	6399	15WA-120.10	2	40.3	95.3	51	83.2	1.3	1	15.4	4.35	29.8	132	63.7	669	122	38
Pullman, WA	6400	15WA-120.7	2	41.2	96.6	53	81.1	n.d.	3	15.4	4.64	31.2	106	77.6	768	147	37
Pullman, WA	6401	15WA-121.9	2	38.6	85.6	49	79.7	n.d.	3	17.0	4.15	25.1	131	50.4	822	102	29
Pullman, WA	6402	15WA-111.4	2	38.8	90.3	49	82.4	1.7	2	16.0	4.08	26.2	68	49.4	779	107	25
Pullman, WA	6403	15WA-122.13	2	39.2	90.7	58	77.0	1.3	1	15.3	4.11	27.7	92	54.6	787	108	19
Pullman, WA	6404	15WA-114.2	2	41.4	89.2	46	79.1	1.7	2	15.0	4.17	28.0	158	58.4	531	114	29
Pullman, WA	6405	15WA-121.20	2	39.5	82.9	43	81.2	1.0	1	15.8	4.05	26.6	151	53.4	757	111	31
Pullman, WA	6406	15WA-106.21	2	36.7	76.6	33	83.8	1.1	1	15.2	4.23	28.7	150	61.8	429	116	29
Pullman, WA	6407	15WA-121.19	2	37.8	76.0	63	84.0	n.d.	3	12.8	4.01	31.9	144	52.4	523	104	37
Pullman, WA	6408	15WA-121.10	2	38.6	86.9	45	80.7	n.d.	3	16.4	4.08	25.8	140	42.3	823	101	26
Pullman, WA	6409	10WA-121.7	2	42.1	93.7	46	81.1	1.5	1	16.5	4.63	29.5	129	52.3	789	138	43
Pullman, WA	6410	X07G26-T35	2	37.3	78.3	49	81.8	1.2	2	15.0	3.79	26.4	86	37.4	833	89	11
Pullman, WA	6411	10WA-109.2	2	38.3	93.0	51	80.8	1.4	1	15.7	4.45	28.8	106	52.4	762	133	34
Pullman, WA	6412	10WA-109.19	2	38.1	94.2	50	84.2	1.5	1	14.3	4.52	32.9	119	83.3	754	128	37
Pullman, WA	6413	10WA-118.13	2	37.8	87.1	67	83.5	1.2	1	14.6	4.22	29.7	122	70.7	803	108	32
Pullman, WA	6414	10WA-130.5	2	40.0	93.9	55	79.9	0.8	1	15.2	3.88	27.1	92	32.3	843	84	16
Pullman, WA	6415	12WA-107.2	2	39.3	92.4	55	80.6	1.3	2	14.9	3.79	26.7	89	33.0	792	77	15
Pullman, WA	6416	CONRAD MALT CHECK	2	40.4	97.3	54	82.5	2.0	1	12.6	5.54	46.6	159	102.8	272	218	62
	6417	10WA-118.9	2	35.9	80.2	50	84.6	2.0	1	15.2	5.07	36.7	124	92.7	671	170	33
Pullman, WA	6418	10WA-130.4	2	40.6	91.0	45	81.9	1.2	2	15.7	4.14	27.5	109	51.6	776	100	34
Pullman, WA	6419	10WA-121.5	2	38.2	86.7	57	84.2	1.8	1	15.2	4.87	33.8	134	97.3	740	146	38
Pullman, WA	6420	X07G31-T120	2	37.1	87.1	56	82.6	1.6	1	15.1	4.03	27.3	122	56.8	755	107	32
Pullman, WA	6421	10WA-122.12	2	38.4	86.4	45	83.0	1.9	2	15.5	4.43	29.6	93	58.0	702	126	30
Pullman, WA	6422	10WA-129.6	2	38.0	89.0	29	81.4	n.d.	3	15.2	4.41	29.5	143	41.5	620	110	33
Pullman, WA	6423	10WA-127.5	2	37.4	89.3	44	81.8	1.6	2	14.2	4.38	31.0	107	60.1	658	130	28
Pullman, WA	6424	12WA-106.12	2	41.3	94.4	42	83.0	2.0	2	13.8	4.45	33.9	131	64.8	484	139	41
Pullman, WA	6425	10WA-124.9	2	41.9	94.5	56	83.3	1.7	1	14.1	4.43	31.6	147	62.5	297	121	42
Pullman, WA	6426	10WA-107.9	2	42.6	96.3	48	82.9	1.5	2	15.1	4.40	29.6	95	44.4	742	116	28
Pullman, WA	6427	10WA-109.21	2	39.8	90.7	65	84.0	1.4	1	13.5	4.48	33.6	98	52.9	723	119	33
Pullman, WA	6428	10WA-118.D	2	39.7	92.5	53	80.1	1.4	1	14.8	4.65	31.9	139	59.5	687	130	37
Buffalo Cty, WI	6429	CFT 101		40.3	97.1	11	83.3	n.d.	3	9.0	5.35	61.8	44	81.1	233	212	
Buffalo Cty, WI	6430	CFT 102		42.5	97.0	7	83.2	5.1	2	9.6	5.61	60.6	45	88.1	255	234	
Buffalo Cty, WI	6431	CFT 103		41.1	97.0	7	83.8	5.1	2	9.9	5.80	64.1	44	88.1	263	240	
Buffalo Cty, WI	6432	CU 103		33.0	95.7	28	80.9	3.3	1	12.2	6.50	54.0	97	103.4	155	274	

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Buffalo Cty, WI	6433	CFT 104		42.2	98.0	6	84.0	4.7	2	10.6	5.95	58.7	57	96.0	227	245	
Buffalo Cty, WI	6434	CU 104		39.8	93.0	3	83.4	5.8	2	10.4	6.12	61.1	45	93.3	287	254	
Buffalo Cty, WI	6435	CFT 105		39.2	96.8	10	83.4	5.4	2	9.2	5.67	66.7	43	95.7	115	233	
Buffalo Cty, WI	6436	CFT 106		40.2	95.3	9	83.2	4.8	2	11.2	6.05	57.8	56	97.0	266	246	
Buffalo Cty, WI	6437	CFT 107		40.4	97.1	17	83.6	4.8	2	9.3	5.57	66.3	39	83.9	183	223	
Buffalo Cty, WI	6438	CFT 108		41.5	97.8	13	83.9	n.d.	3	9.6	5.41	61.3	41	90.1	150	224	
Buffalo Cty, WI	6439	CFT 109		42.0	97.7	2	83.1	4.9	1	10.1	5.66	56.1	41	84.3	541	228	
Buffalo Cty, WI	6440	CFT 110		40.8	97.6	13	83.7	n.d.	3	9.3	5.29	63.1	34	86.8	386	230	
Buffalo Cty, WI	6441	CFT 201		42.6	97.6	10	82.9	n.d.	3	8.8	5.33	61.9	39	92.1	409	231	
Buffalo Cty, WI	6442	CFT 202		41.8	97.7	10	82.9	n.d.	3	10.0	5.42	58.8	46	97.9	430	239	
Buffalo Cty, WI	6443	CFT 203		39.4	97.8	2	82.3	n.d.	3	8.8	5.13	60.5	26	65.9	154	226	
Buffalo Cty, WI	6444	CFT 204		40.8	98.1	6	83.9	n.d.	3	8.7	5.12	60.6	35	83.9	349	218	
Buffalo Cty, WI	6445	CFT 205		39.4	94.9	5	82.7	4.5	1	10.6	5.35	55.5	49	95.7	702	228	
Buffalo Cty, WI	6446	CFT 206		41.2	98.2	13	83.3	n.d.	3	9.0	5.14	58.0	41	92.3	378	228	
	6447	CONRAD MALT CHECK	2	40.4	97.5	54	81.9	2.2	1	11.7	5.06	45.0	134	104.8	415	188	60
Buffalo Cty, WI	6448	CFT 207		41.2	97.7	10	83.9	n.d.	3	9.6	5.32	56.6	42	91.5	462	230	
Buffalo Cty, WI	6449	CFT 208		41.2	97.6	10	83.9	n.d.	3	8.6	5.08	62.6	35	83.6	417	210	
Buffalo Cty, WI	6450	CFT 209		41.6	97.8	15	83.1	n.d.	3	9.1	5.19	63.0	41	87.2	482	220	
Buffalo Cty, WI	6451	CFT 210		40.9	98.3	11	84.1	n.d.	3	8.7	5.21	59.9	33	83.1	484	216	
Buffalo Cty, WI	6452	CFT 301		42.3	96.8	2	82.3	4.1	2	11.6	5.64	52.9	68	102.3	679	235	
Buffalo Cty, WI	6453	CFT 302		40.4	95.6	7	83.0	n.d.	3	9.3	5.30	59.9	53	91.7	589	219	
Buffalo Cty, WI	6454	CFT 303		41.2	95.6	3	82.2	n.d.	3	10.2	5.46	57.4	59	80.9	704	227	
Buffalo Cty, WI	6455	CFT 304		41.0	97.5	14	83.6	n.d.	3	8.8	5.08	61.2	42	77.6	558	207	
Buffalo Cty, WI	6456	CFT 305		39.5	96.3	7	83.4	4.3	2	11.2	5.53	53.5	57	92.0	800	246	
Buffalo Cty, WI	6457	CFT 306		37.1	92.4	4	82.5	4.4	1	11.4	5.77	51.6	79	96.7	677	242	
Buffalo Cty, WI	6458	CFT 307		39.2	95.4	9	82.6	4.9	2	10.8	5.82	56.8	72	99.3	635	241	
Buffalo Cty, WI	6459	CFT 308		40.4	97.7	9	83.7	n.d.	3	9.3	5.23	59.9	47	87.0	338	224	
Buffalo Cty, WI	6460	CFT 309		40.8	98.2	8	82.9	n.d.	3	9.9	5.29	55.8	50	86.7	605	222	
Buffalo Cty, WI	6461	CFT 310		41.2	98.3	8	83.2	n.d.	3	10.1	5.47	58.5	56	83.1	640	228	
Buffalo Cty, WI	6462	CFT 401		42.2	97.0	7	82.1	4.1	2	10.9	5.59	52.4	56	83.8	827	225	
Buffalo Cty, WI	6463	CFT 402		40.7	97.4	1	82.4	5.5	2	11.1	6.11	56.9	63	87.4	267	241	
Buffalo Cty, WI	6464	CFT 403		40.2	97.7	12	84.2	n.d.	3	8.8	5.30	66.8	45	79.4	321	219	
Buffalo Cty, WI	6465	CFT 404		40.6	96.5	5	83.2	n.d.	3	9.3	5.29	60.4	49	74.8	334	217	
Buffalo Cty, WI	6466	CFT 405		39.8	97.3	14	82.8	n.d.	3	9.4	5.26	60.1	45	67.5	342	212	
Buffalo Cty, WI	6467	CFT 406		40.2	97.1	8	84.5	n.d.	3	9.9	5.53	57.8	56	74.3	370	219	
Buffalo Cty, WI	6468	CFT 407		39.4	96.0	9	83.0	n.d.	3	9.7	5.56	58.6	56	74.5	341	232	
Buffalo Cty, WI	6469	CFT 408		40.5	96.5	6	83.5	n.d.	3	9.2	5.25	57.8	45	67.5	320	207	
Buffalo Cty, WI	6470	CFT 409		38.9	96.1	11	83.5	n.d.	3	9.1	5.15	61.6	43	71.6	319	200	
Buffalo Cty, WI	6471	CFT 410		39.9	96.8	9	84.3	4.5	2	9.0	5.26	59.7	44	69.7	384	209	
Buffalo Cty, WI	6472	CFT 501		38.8	97.2	16	83.7	5.4	2	9.4	5.40	59.6	49	72.0	292	207	
Buffalo Cty, WI	6473	CFT 502		38.6	97.2	12	83.9	6.6	2	10.4	5.83	57.6	52	80.6	338	216	
Buffalo Cty, WI	6474	CFT 503		38.9	97.3	16	83.7	n.d.	3	9.1	5.51	61.2	47	80.0	260	224	
Buffalo Cty, WI	6475	CFT 504		37.3	95.5	13	84.3	n.d.	3	10.6	5.86	57.4	57	79.0	300	235	
Buffalo Cty, WI	6476	CFT 505		38.8	96.9	16	84.8	n.d.	3	10.2	5.96	58.9	75	94.1	225	241	
Buffalo Cty, WI	6477	CFT 506		36.7	93.2	9	84.1	5.5	2	10.8	6.22	59.6	76	90.3	304	242	
Buffalo Cty, WI	6479	CFT 507		38.0	97.3	20	84.3	5.9	2	10.0	5.62	58.9	64	81.4	280	221	
Buffalo Cty, WI	6480	CFT 508		38.6	97.4	14	84.9	n.d.	3	9.5	5.55	59.3	61	90.8	243	230	
Buffalo Cty, WI	6481	CFT 509		38.0	96.1	15	84.8	5.9	2	9.6	5.67	61.3	56	83.1	277	223	
Buffalo Cty, WI	6482	CFT 510		36.2	96.9	10	84.9	6.3	3	9.1	5.45	66.3	45	84.5	250	219	
Buffalo Cty, WI	6483	CFT 601		39.0	96.3	14	84.1	6.2	2	9.5	5.68	60.7	57	83.0	237	225	
Buffalo Cty, WI	6484	CFT 602		37.7	95.3	15	83.9	n.d.	3	9.8	5.72	59.1	62	82.7	282	226	
Buffalo Cty, WI	6485	CFT 603		37.6	96.9	16	84.5	n.d.	3	9.1	5.52	61.4	46	83.2	248	230	
Buffalo Cty, WI	6486	CFT 604		37.5	96.2	14	84.4	n.d.	3	9.2	5.37	62.2	48	77.8	308	225	
Buffalo Cty, WI	6487	CFT 605		37.2	96.4	14	84.7	n.d.	3	10.5	5.95	60.5	53	79.3	279	277	
Buffalo Cty, WI	6488	CFT 606		36.9	97.3	17	84.6	n.d.	3	9.5	5.51	58.8	59	88.6	226	257	

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Buffalo Cty, WI	6489	CFT 607		36.3	95.9	18	84.2	n.d.	3	9.2	5.54	62.0	68	94.7	207	265	
Buffalo Cty, WI	6490	CFT 608		38.6	97.2	15	85.0	n.d.	3	9.6	5.69	59.4	70	92.6	254	243	
Buffalo Cty, WI	6491	CFT 609		38.4	98.6	16	83.8	n.d.	3	9.6	5.58	59.1	61	83.3	277	255	
Buffalo Cty, WI	6492	CFT 610		36.4	96.0	16	84.4	n.d.	3	9.2	5.36	64.1	48	83.8	242	234	
Buffalo Cty, WI	6493	CFT 701		37.6	93.6	8	83.8	4.3	1	11.1	6.07	58.0	81	90.7	284	265	
Buffalo Cty, WI	6494	CFT 702		38.2	97.3	16	83.7	n.d.	3	10.7	5.86	56.8	63	85.0	262	255	
Buffalo Cty, WI	6495	CFT 703		35.4	95.9	19	84.1	n.d.	3	9.4	5.60	60.5	56	80.6	257	259	
Buffalo Cty, WI	6496	CFT 704		37.2	95.9	19	84.5	n.d.	3	9.5	5.68	61.1	57	82.9	218	267	
Buffalo Cty, WI	6497	CFT 705		34.9	88.9	23	85.1	4.9	1	9.6	5.67	60.5	60	89.3	292	245	
Buffalo Cty, WI	6498	CFT 706		36.4	93.8	17	84.3	n.d.	3	11.2	6.02	58.3	73	87.6	264	250	
Buffalo Cty, WI	6499	CFT 707		36.9	96.5	22	84.5	n.d.	3	9.7	5.83	61.5	58	87.3	222	244	
Buffalo Cty, WI	6500	CFT 708		37.0	96.4	12	85.5	n.d.	3	10.1	5.91	62.2	71	99.2	130	282	
Buffalo Cty, WI	6501	CFT 709		38.0	96.6	12	85.1	n.d.	3	10.3	5.94	63.2	57	87.1	173	266	
Buffalo Cty, WI	6502	CFT 710		36.5	96.8	15	84.7	n.d.	3	9.4	5.66	63.5	53	86.6	165	249	
Buffalo Cty, WI	6503	CFT 801		39.9	97.7	12	83.9	5.0	1	10.7	6.07	57.9	59	91.0	304	265	
Buffalo Cty, WI	6504	CFT 807		38.2	97.2	21	84.7	n.d.	3	9.7	5.78	63.0	54	96.0	172	265	
Buffalo Cty, WI	6505	CFT 802		37.5	97.2	21	85.8	n.d.	3	9.8	5.69	62.7	48	87.4	238	245	
Buffalo Cty, WI	6506	CFT 803		32.0	93.0	25	84.2	n.d.	3	9.5	5.76	63.9	56	91.0	171	276	
Buffalo Cty, WI	6507	CFT 804		34.1	94.1	24	84.3	n.d.	3	9.0	5.62	63.9	57	94.5	154	266	
Buffalo Cty, WI	6508	CFT 805		33.0	94.2	23	84.9	n.d.	3	10.1	5.88	60.6	54	86.1	189	259	
	6509	LACEY MALT CHECK	6	33.2	89.0	41	81.5	3.6	2	13.3	6.27	48.0	141	78.1	58	269	48
Buffalo Cty, WI	6510	CFT 806		36.3	95.7	21	84.4	n.d.	3	9.6	5.71	60.1	53	85.3	211	260	
Buffalo Cty, WI	6511	CFT 808		37.3	97.2	20	85.0	n.d.	3	9.7	5.68	58.9	51	84.1	216	225	
Buffalo Cty, WI	6512	CFT 809		38.0	97.5	17	85.1	n.d.	3	9.5	5.71	60.7	52	86.2	245	296	
Buffalo Cty, WI	6513	CFT 810		37.8	96.9	14	85.0	5.4	2	9.6	5.73	62.9	52	89.7	249	258	
Buffalo Cty, WI	6514	CU 101		32.6	93.5	27	82.0	2.7	1	12.2	6.08	51.6	114	95.3	313	300	
Buffalo Cty, WI	6515	CU 102		33.1	92.2	13	82.4	3.4	2	11.8	6.16	53.7	98	94.4	329	344	
Buffalo Cty, WI	6516	CU 201		35.0	99.4	25	82.4	n.d.	3	12.1	7.73	64.0	49	58.7	35	356	
Buffalo Cty, WI	6517	CU 202		31.4	94.0	25	82.3	3.1	1	11.0	6.23	57.1	102	99.0	319	296	
Buffalo Cty, WI	6518	CU 204		37.9	94.3	3	84.8	5.1	1	10.6	5.76	55.8	49	81.4	305	284	
Buffalo Cty, WI	6519	CU 205		32.1	95.8	29	80.9	4.4	1	12.6	6.56	52.5	90	83.5	221	316	
Buffalo Cty, WI	6520	CU 206		33.0	95.9	27	82.3	4.3	1	12.5	6.43	54.9	87	88.4	304	327	
Buffalo Cty, WI	6521	CU 301		39.3	95.8	4	85.3	4.4	1	10.0	5.49	57.0	48	76.4	381	243	
Buffalo Cty, WI	6522	CU 302		36.0	92.8	17	81.1	n.d.	3	13.4	7.82	60.8	47	62.4	57	403	
Buffalo Cty, WI	6523	CU 303		30.9	94.2	25	82.4	3.4	1	12.0	6.39	55.7	112	108.7	307	345	
Buffalo Cty, WI	6524	CU 305		32.7	97.0	27	82.5	3.5	2	13.0	6.61	52.5	119	103.7	215	351	
Buffalo Cty, WI	6525	CU 307		33.3	95.6	21	82.9	n.d.	3	12.4	6.63	55.1	87	110.7	280	363	
Crookston, MN	6526	Quest	6	35.9	98.6	27	83.1	1.8	1	11.7	5.66	50.0	176	115.3	245	279	58
Crookston, MN	6527	Tradition	6	34.5	95.1	24	80.6	1.9	1	13.4	5.61	43.5	212	92.4	249	249	63
Crookston, MN	6528	Lacey	6	34.7	96.4	25	81.1	1.8	1	12.5	5.36	44.6	185	91.5	154	240	66
Crookston, MN	6529	MW14_5380-031	6	30.1	79.1	30	79.4	2.3	1	12.5	5.19	42.8	119	78.7	363	218	49
Crookston, MN	6530	MW14_5380-044	6	29.0	68.2	27	79.5	2.0	1	12.2	5.12	43.6	134	91.3	132	236	51
Crookston, MN	6531	MW14A5138-000	6	33.2	90.4	29	81.6	2.9	1	13.0	6.05	48.6	193	110.4	217	316	51
Crookston, MN	6532	MW14A5162-000	6	36.7	98.6	36	82.7	2.1	1	12.3	5.44	45.0	130	76.2	216	249	60
Crookston, MN	6533	MW14A5170-000	6	33.2	91.4	31	79.0	2.2	2	12.9	5.16	41.8	155	65.0	396	222	53
Crookston, MN	6534	MW14A5189-000	6	33.7	93.5	31	81.2	2.3	1	13.0	5.75	44.1	144	76.2	435	276	59
Crookston, MN	6535	MW14B5127-000	6	29.4	80.2	33	81.1	2.3	1	12.1	5.39	45.9	127	91.6	300	256	57
Crookston, MN	6536	MW14C5127-000	6	29.5	70.4	40	80.7	2.1	1	11.8	5.07	44.3	132	90.9	200	250	48
Crookston, MN	6537	MW14C5158-000	6	33.7	79.0	28	80.4	2.9	1	12.3	5.53	47.2	162	107.4	298	278	56
Crookston, MN	6538	MW14D5131-000	6	36.1	97.8	56	80.0	1.6	1	14.9	5.74	38.7	162	79.9	463	306	44
Crookston, MN	6539	MW14D5134-000	6	34.7	99.5	32	79.0	2.1	1	12.5	4.90	40.5	108	65.2	405	191	42
	6540	LACEY MALT CHECK	6	33.8	88.7	42	80.9	2.5	2	13.5	5.84	43.7	171	98.0	39	308	60
Crookston, MN	6541	MW14G5116-000	6	34.0	95.3	36	80.8	2.2	1	11.8	5.08	44.4	129	92.8	273	223	56
Crookston, MN	6542	MW14G5119-000	6	32.5	88.6	30	78.1	2.8	1	14.0	5.75	43.0	159	89.5	81	294	50
Crookston, MN	6543	MW14G5134-000	6	34.2	92.5	32	80.1	2.5	2	12.5	5.12	42.1	112	81.0	307	244	51

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Crookston, MN	6544	MW14G5162-000	6	37.4	96.9	35	81.6	2.4	2	12.7	5.41	42.8	120	61.6	171	246	55
Crookston, MN	6545	MW14H5114-000	6	35.3	91.0	24	81.1	2.9	1	12.7	5.40	43.5	100	83.2	155	259	59
Crookston, MN	6546	MW14H5183-000	6	30.8	86.0	19	79.2	2.3	1	13.2	5.38	41.6	142	63.6	146	272	60
Crookston, MN	6547	MW14H5188-000	6	32.2	90.3	25	80.6	2.8	1	13.9	6.05	43.8	140	65.0	157	289	51
Crookston, MN	6548	MW14I5117-000	6	28.2	60.4	23	79.8	2.2	1	12.9	5.15	40.0	145	84.9	220	243	46
Crookston, MN	6549	MW14I5151-000	6	33.6	97.5	19	80.6	2.1	1	13.5	5.17	39.5	143	74.9	121	252	57
Crookston, MN	6550	MW14I5169-000	6	39.3	97.5	25	79.7	2.4	2	12.6	4.95	40.2	145	67.3	437	225	53
Crookston, MN	6551	MW14K5103-000	6	34.5	94.0	32	79.3	2.5	1	13.8	5.45	41.7	138	64.0	275	266	50
Crookston, MN	6552	MW14K5117-000	6	26.6	64.3	34	79.0	2.1	1	12.3	4.97	40.5	132	62.6	197	206	38
Crookston, MN	6553	MW14L5136-000	6	35.3	93.5	32	80.8	n.d.	3	12.9	5.00	38.8	158	58.7	358	201	52
Crookston, MN	6554	6MS14_5353-002	6	31.6	84.3	32	79.2	2.9	1	14.0	5.75	41.9	151	82.9	281	289	48
Crookston, MN	6555	6MS14_5353-005	6	31.8	83.3	28	80.4	2.8	1	13.5	5.66	43.8	164	90.4	146	273	65
Crookston, MN	6556	6MS14_5353-011	6	33.0	90.9	34	81.6	3.2	1	13.6	6.16	47.9	160	98.9	144	349	49
Crookston, MN	6557	ASR518-31_09	6	34.4	84.8	31	79.4	n.d.	3	12.4	5.11	43.0	120	72.7	378	230	54
Crookston, MN	6558	ASR520-11_08	6	30.3	86.7	25	78.8	3.1	1	13.8	5.92	45.1	131	90.9	184	295	47
Crookston, MN	6559	ASR520-11_31	6	26.6	61.5	28	80.6	3.9	1	13.5	6.38	48.1	107	96.8	54	293	36
Crookston, MN	6560	Lacey	6	33.3	86.3	28	79.7	2.4	1	14.0	5.80	42.2	184	92.2	99	226	56
Crookston, MN	6561	M152	6	35.6	94.0	33	79.6	2.3	1	13.6	5.76	44.0	171	78.8	156	250	57
Crookston, MN	6562	M158	6	30.6	74.7	32	78.6	2.4	1	13.7	5.97	43.7	173	88.8	315	246	48
Crookston, MN	6563	Quest	6	31.4	84.2	34	79.5	2.3	1	13.4	5.91	44.1	172	86.7	251	244	58
Crookston, MN	6564	Quest	6	31.1	85.1	54	79.6	1.9	1	14.7	5.93	41.7	149	77.4	200	264	43
Crookston, MN	6565	Tradition	6	33.2	90.2	62	80.5	1.8	1	14.7	6.37	45.9	221	88.3	212	281	46
Crookston, MN	6566	Lacey	6	35.6	97.8	54	81.3	1.6	1	13.7	6.10	45.6	198	100.8	171	257	51
Crookston, MN	6567	MW14_5380-031	6	31.6	95.0	55	78.6	1.6	1	13.8	5.35	39.6	147	84.2	325	202	49
Crookston, MN	6568	MW14_5380-044	6	30.8	84.3	58	79.3	1.9	1	13.5	5.86	44.3	181	80.8	235	256	53
Crookston, MN	6569	MW14A5138-000	6	30.2	69.5	58	79.4	2.7	1	13.8	6.43	48.3	233	103.5	225	289	40
Crookston, MN	6570	MW14A5162-000	6	33.5	94.4	70	79.9	1.9	1	14.1	5.86	42.8	155	84.3	323	246	49
Crookston, MN	6571	LACEY MALT CHECK	6	33.3	89.9	43	80.0	3.3	2	13.7	6.00	45.9	157	85.6	31	248	60
Crookston, MN	6572	MW14A5170-000	6	31.1	90.0	60	78.0	1.8	1	14.9	6.17	43.4	195	64.0	401	268	39
Crookston, MN	6573	MW14A5189-000	6	33.6	91.2	52	81.5	1.7	1	15.3	6.39	42.3	208	73.4	446	277	46
Crookston, MN	6574	MW14B5127-000	6	29.6	77.6	51	80.0	1.9	1	14.3	5.78	41.2	142	83.6	361	242	39
Crookston, MN	6575	MW14C5127-000	6	31.5	83.2	59	80.9	1.7	1	14.9	5.98	42.6	150	81.8	365	264	48
Crookston, MN	6576	MW14C5158-000	6	34.3	86.9	56	80.0	2.0	1	14.4	5.98	43.7	173	97.7	543	256	49
Crookston, MN	6577	MW14D5131-000	6	34.2	90.4	23	78.8	2.0	1	13.9	5.49	40.1	138	63.6	344	220	47
Crookston, MN	6578	MW14D5134-000	6	36.2	97.2	43	79.6	1.8	1	15.2	5.67	39.0	117	63.0	501	247	41
Crookston, MN	6579	MW14F5186-000	6	34.4	91.5	52	80.0	1.8	1	14.6	5.99	41.4	116	72.6	438	271	37
Crookston, MN	6580	MW14G5116-000	6	27.5	72.0	55	79.0	2.2	1	14.7	6.28	43.8	170	88.2	242	281	36
Crookston, MN	6581	MW14G5119-000	6	33.5	90.2	55	78.4	2.5	1	15.3	6.44	43.4	125	79.7	220	312	40
Crookston, MN	6582	MW14G5134-000	6	33.5	90.4	42	79.2	2.6	2	15.3	6.21	42.8	129	78.3	456	277	42
Crookston, MN	6583	MW14G5162-000	6	35.3	94.6	64	80.6	2.6	1	15.3	6.37	43.8	141	61.5	425	290	46
Crookston, MN	6584	MW14H5114-000	6	34.6	94.1	58	81.0	2.1	1	14.6	6.13	42.5	145	95.7	366	294	46
Crookston, MN	6585	MW14H5183-000	6	32.0	87.7	55	80.0	2.5	1	15.0	6.76	47.6	141	71.7	546	332	41
Crookston, MN	6586	MW14H5188-000	6	33.8	91.3	61	80.1	3.0	1	14.9	6.62	45.2	132	84.0	366	329	43
Crookston, MN	6587	MW14I5117-000	6	27.5	58.1	44	79.6	2.3	1	14.6	6.14	42.4	168	91.7	307	287	36
Crookston, MN	6588	MW14I5151-000	6	31.5	91.6	45	80.3	2.0	1	15.4	6.37	42.2	207	91.8	217	301	45
Crookston, MN	6589	MW14I5169-000	6	38.3	92.6	52	79.0	2.6	2	14.8	5.96	40.4	155	73.9	576	264	40
Crookston, MN	6590	MW14I5184-000	6	32.2	92.0	43	80.8	2.0	1	14.1	5.93	42.7	189	69.4	381	276	49
Crookston, MN	6591	MW14K5103-000	6	29.0	73.1	58	77.8	2.4	1	15.7	6.51	42.4	178	80.6	300	284	35
Crookston, MN	6592	MW14K5117-000	6	30.8	55.7	42	77.6	2.3	1	14.3	6.22	43.9	218	81.1	201	281	30
Crookston, MN	6593	MW14K5134-000	6	34.1	94.2	56	79.8	2.1	1	15.7	6.23	40.1	202	74.9	307	275	41
Crookston, MN	6594	MW14L5136-000	6	34.8	97.7	49	80.8	n.d.	3	15.5	5.87	39.0	191	68.5	429	226	42
Wooster, OH	6595	Charles	2	28.7	85.0	42	79.1	2.3	1	12.8	5.24	41.3	133	80.6	358	217	47
Wooster, OH	6596	Strider	6	26.6	52.7	60	78.0	n.d.	3	11.1	4.35	40.0	61	44.0	529	128	13
Wooster, OH	6597	McGregor	6	32.1	82.5	44	78.6	n.d.	3	11.1	4.17	39.3	64	44.1	583	117	26
Wooster, OH	6598	Thoroughbred	6	31.8	88.6	52	79.2	n.d.	3	10.7	4.20	39.9	117	48.7	458	131	28

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Location	Lab No.	Variety or Selection	Rowed	Kernel Weight (mg)	on 6/64" (%)	Barley Color (Agtron)	Malt Extract (%)	Wort Color	Wort Clarity	Barley Protein (%)	Wort Protein (%)	S/T (%)	DP (*ASBC)	Alpha- amylase (20°DU)	Beta- glucan (ppm)	FAN (ppm)	Quality Score
Wooster, OH	6599	Endeavor	2	29.4	67.6	46	80.5	2.4	1	12.4	5.38	46.7	141	104.4	339	218	50
Wooster, OH	6600	Wintmalt	2	35.2	90.6	56	80.5	1.7	1	12.0	4.69	40.4	121	60.3	331	157	50
Wooster, OH	6601	05ARS561-208	2	26.5	65.8	52	81.3	2.4	1	10.8	5.25	49.6	126	99.5	203	211	43
	6602	CONRAD MALT CHECK	2	40.4	97.8	55	82.7	2.1	1	12.8	5.69	47.5	135	87.1	120	238	56
Wooster, OH	6603	06ARS633-10	2	30.0	80.3	51	79.6	2.3	1	12.1	5.23	43.4	96	62.9	444	216	43
Wooster, OH	6604	02Ab669	2	29.3	77.8	52	82.7	2.4	1	11.4	5.48	50.5	110	102.6	168	240	45
Wooster, OH	6605	04ARS640-1	2	30.2	83.4	43	81.0	2.4	1	12.4	5.61	46.5	119	84.1	167	235	43
Wooster, OH	6606	SU-Mateo	2	36.7	96.1	60	79.5	n.d.	3	11.3	4.34	39.3	108	37.8	541	123	29
Wooster, OH	6607	Hirondella (08/258/17)	6	31.0	81.9	52	77.1	2.0	1	12.0	4.36	38.9	119	41.0	477	130	25
Wooster, OH	6608	Vincenta	2	37.0	91.6	47	79.5	1.6	1	11.5	4.65	41.0	137	47.3	237	158	47
Wooster, OH	6609	10/069/1	6	34.6	88.1	53	78.5	n.d.	3	11.4	4.55	41.4	122	42.7	315	152	30
Wooster, OH	6610	Puffin	2	34.6	92.7	53	80.6	1.6	1	12.0	4.83	42.4	112	42.3	373	150	44
Wooster, OH	6611	DH10.0777	2	30.3	80.1	48	81.1	2.4	1	12.4	5.55	45.9	161	104.5	129	235	56
Wooster, OH	6612	DH10.086	2	32.9	89.7	40	79.5	2.1	1	14.8	5.35	37.8	116	62.5	558	204	35
Wooster, OH	6613	DH130004	2	39.5	96.2	39	80.9	2.4	1	13.5	5.62	43.9	184	80.5	208	241	48
Wooster, OH	6614	DH130718	2	37.0	93.5	32	77.9	2.6	1	14.1	5.72	43.4	166	99.4	106	261	37
Wooster, OH	6615	MW11S4024-004	6	29.4	73.9	62	79.7	2.1	1	13.3	4.96	39.0	142	73.4	287	196	47
Wooster, OH	6616	MW11S4029-002	6	26.5	61.0	52	80.2	n.d.	3	11.4	4.67	43.5	180	68.3	240	185	34
Wooster, OH	6617	MW12_4007-008	6	28.4	80.0	57	78.6	2.6	1	12.9	5.39	44.9	141	88.6	220	244	55
Wooster, OH	6618	MW12_4042-002	6	26.1	65.5	57	78.7	2.1	1	12.6	5.12	41.2	156	83.5	315	218	41
Wooster, OH	6619	6W11-0003	6	26.6	51.1	67	77.6	1.7	1	11.5	4.41	38.5	168	73.5	238	174	26
Wooster, OH	6620	6W11-0064	6	24.5	44.4	52	77.3	2.6	2	11.7	4.60	40.3	191	71.7	128	183	28
Wooster, OH	6621	6W13-7041	6	30.3	77.1	67	78.1	1.9	2	12.7	4.27	35.1	118	54.9	558	132	29
Wooster, OH	6622	6W13-7145	6	26.8	48.0	61	81.6	2.0	1	11.8	4.77	43.0	155	79.5	260	190	44
Wooster, OH	6623	Calypso	2	41.3	96.3	55	80.0	2.3	2	11.7	4.16	38.3	144	47.8	243	135	41
Wooster, OH	6624	Puffin	2	34.5	91.1	51	76.9	1.6	1	12.1	4.39	37.1	108	46.1	429	148	28
Wooster, OH	6625	2011-725-002	2	40.3	95.9	52	74.9	2.5	2	14.7	4.71	32.7	155	63.6	538	161	31
Wooster, OH	6626	MO B2549	2	39.3	90.6	55	77.9	2.6	2	16.7	5.26	33.3	204	56.8	537	187	32
Wooster, OH	6627	MO B2190	2	36.2	88.2	54	76.7	2.4	2	13.2	4.41	35.7	127	54.6	577	158	30
Wooster, OH	6628	2011-829-003	6	31.2	71.7	65	76.6	2.6	1	13.4	4.74	36.1	131	59.8	456	187	27
Wooster, OH	6629	OH No. 1	6	33.8	80.6	48	76.7	2.7	2	14.6	4.89	34.3	142	57.7	534	182	28
Wooster, OH	6630	Dayton	6	30.6	60.1	40	77.4	3.3	2	14.3	5.10	37.2	145	68.4	450	209	27
Wooster, OH	6631	Ray	6	29.1	41.9	49	81.5	2.8	2	12.7	4.23	35.2	104	65.2	577	145	30
Logan, UT	6632	Charles	2	40.4	94.1	73	80.2	1.8	1	11.7	4.83	43.9	146	105.6	78	226	66
	6633	LACEY MALT CHECK	6	34.0	88.8	42	78.6	3.1	2	13.4	5.84	45.1	165	97.3	38	269	62
Logan, UT	6634	Endeavor	6	36.8	85.6	75	79.1	1.7	1	13.4	4.73	37.9	158	99.6	192	199	49
Logan, UT	6635	Wintmalt	2	44.6	97.4	81	78.0	1.6	1	13.2	4.46	35.2	159	63.4	39	166	45
Logan, UT	6636	10.086	2	42.9	97.2	74	81.3	2.0	1	12.2	5.14	43.9	123	82.1	30	235	70
Logan, UT	6637	10.0777	2	42.1	97.2	74	81.2	2.1	1	12.3	5.27	45.9	146	114.8	16	246	70
Logan, UT	6638	DH120228	2	41.1	92.9	72	79.8	2.0	1	14.1	5.87	42.1	213	116.2	25	259	52
Logan, UT	6639	DH130004	2	42.3	95.6	76	78.2	2.0	1	14.5	5.36	39.6	160	73.0	65	248	49
Logan, UT	6640	DH120412	2	47.0	95.9	54	77.7	2.3	1	15.3	5.71	38.4	178	83.8	132	267	37
Logan, UT	6641	DH130939	2	46.3	94.7	63	78.8	2.4	1	14.4	5.51	39.0	155	94.4	193	242	42
Logan, UT	6642	DH130718	2	44.6	97.3	47	78.7	2.9	1	14.8	5.81	40.5	140	80.5	55	231	50
Logan, UT	6643	DH130765	2	45.9	96.2	52	78.8	3.2	1	15.7	6.29	40.2	185	80.0	25	285	47
Logan, UT	6644	DH130910	6	49.2	96.2	78	77.5	1.7	2	14.4	4.89	33.9	224	48.8	78	182	32
Logan, UT	6645	DH120203	6	39.2	87.6	69	76.4	1.9	1	15.4	5.79	38.2	285	92.1	26	240	41
Logan, UT	6646	DH130735	2	42.3	89.9	73	77.1	1.8	1	14.6	5.30	36.7	277	98.1	40	222	43
Logan, UT	6647	DH140088	2	45.7	98.5	62	77.6	2.0	1	15.6	5.56	37.1	163	90.9	174	245	38
Logan, UT	6648	DH140189	2	45.0	95.4	61	77.8	2.1	1	16.2	5.80	37.5	218	98.7	66	259	41
Logan, UT	6649	DH120304	2	47.7	96.9	58	79.2	2.2	1	15.2	6.16	42.1	242	81.9	37	297	47
Logan, UT	6650	DH131055	2	50.6	97.3	62	76.1	n.d.	3	15.5	4.63	30.9	148	52.7	291	181	34
Logan, UT	6651	DH131143	2	42.5	93.8	64	77.8	2.0	1	13.4	5.38	41.0	175	98.7	39	223	55
Logan, UT	6652	DH131191	2	49.9	97.3	54	79.5	2.3	1	13.2	5.38	40.9	108	75.0	67	249	59
Logan, UT	6653	DH131198	2	44.9	96.6	69	77.0	1.9	1	16.2	5.68	37.3	187	100.5	63	243	41

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Logan, UT	6654	DH131207	2	40.6	93.5	65	80.3	2.3	1	13.9	5.69	41.0	189	110.9	22	252	52
Logan, UT	6655	DH131406	2	43.6	95.6	65	77.9	1.5	1	14.1	4.72	34.3	194	61.2	111	184	39
Logan, UT	6656	DH131679	2	44.4	92.5	72	79.9	2.3	1	13.7	6.06	46.9	273	101.7	21	285	50
Logan, UT	6657	DH131738	2	45.0	95.6	59	77.9	1.9	1	14.3	4.44	31.3	153	53.9	170	153	33
Logan, UT	6658	DH131742	2	45.5	93.5	67	77.7	2.0	1	15.0	5.35	36.3	197	101.4	259	219	38
Logan, UT	6659	DH131892	2	48.0	96.8	69	79.7	1.8	1	13.6	5.42	40.5	213	84.3	39	236	57
Logan, UT	6660	DH140185	2	45.0	96.1	63	78.5	1.8	1	15.1	4.99	35.3	230	53.3	37	176	44
Logan, UT	6661	UTWB10201-15	6	29.9	75.6	72	78.5	n.d.	3	11.1	4.22	39.1	145	53.4	301	146	31
Logan, UT	6662	UTWB10406-9	6	36.3	88.2	78	77.0	n.d.	3	12.4	4.23	36.7	94	48.2	450	159	24
Logan, UT	6663	UT10830-1	6	34.9	84.0	85	75.7	1.7	1	11.3	3.76	34.8	103	51.7	516	131	24
	6664	CONRAD MALT CHECK	2	40.1	97.4	54	82.1	2.2	1	12.5	5.45	45.9	137	91.6	154	241	62
Logan, UT	6665	UTWB10934-2	2	47.4	96.8	69	76.2	1.6	1	14.1	4.38	32.2	138	58.8	458	159	29
Logan, UT	6666	UTWB10940-2	2	38.1	92.7	69	74.5	2.4	2	13.4	3.98	30.7	89	39.3	666	130	13