2007 NRPN Intraregional Production Zone

Entry	Selection No.	Pedigree	Source
1	Kharkof	Kharkof	check
2	Harding	Harding	check
3	Nuplains	Nuplains	check
4	Wesley	Wesley	check
5	Jerry	Roughrider // Winoka / NB66425 /3/ Arapahoe	NDSU
6	98x0435-15	W95-091/W96-427	Agripro
7	BC98334-04-02	KS920709B-5-2/Stanof//KS920709B5-2	Agripro
8	BC98334-10W-8W	KS920709B-5-2/Stanof//KS920709B5-2	Agripro
9	HV9W98A-1002R	B1127/3/B1551//ROWDY/RWA 671 MONT	Westbred
10	HV9W02-846R	474S10-1/X87807-26//HBK0736-3	Westbred
11	Millennium-27, ALS-1	Selection from mutagenized Millennium	UNL
12	NE03458	NE95544 (=MCVEY 78015/NE88521)/W91-348 X MILLENNIUM (=ARAPAH	UNL
13	NE04490	NE95589/NE94632(=ABILENE/NORKAN//RAWHIDE) X NE95510(=ABILEN	UNL
14	NE04537	KS92H363-2/CULVER(=NE92419/ARAPAHOE) X NE96605(=ARAPAHOE/	UNL
15	NH03614	N95L164 X MILLENNIUM SIB//TXGH125888-120*4/FS2	UNL
16	NI05711	Wesley//NE88584/KSSB-369-7 X NE88584/KSSB-369-7	UNL
17	NI05714	KS87W822-2-1/NE88427//NE88584/KSSB-369-7 X NE88584/KSSB-369-7	UNL
18	NI05720W	KM 602-90/NE89657//Heyne X Heyne	UNL
19	NW03681	WI88-052/WI81-162-610W//N94L189	UNL
20	N98L20040-44	CS/PI467024//CS/3/SXLD/4/TAM202/5/SXLD	ARS-LNK
21	SD96240-3-1	NE87513/USSR#67	SDSU
22	SD98W175-1	KS84273BB-10/KSSB110-9//KS831374-141B/YE1110/3/KS82W418/SPN	SDSU
23	SD05W012	NW96S016/SD98W327	SDSU
24	SD05W018	SD98W302/SD98W175	SDSU
25	SD05W030	SD98W302/NW97S186	SDSU
26	SD05W138	SD98416/SD98W331	SDSU
27	SD05W140	SD98153/WENDY	SDSU
28	SD02804-1	Romania42/Tandem//SD94149	SDSU
29	SD05004	ERYT26221/SD94149//SD98208	SDSU
30	SD05118	Wesley/NE93613	SDSU
31	SD05179	SD98224/OK95548-26	SDSU
32	SD05210	SD98444/SD97060	SDSU
33	BZ9W02-2051	Meridian/Ike	Westbred
34	NX03Y2489	BaiHuo/Kanto107//Ike/3/KS91H184/3*RBL//N87V106	ARS-LNK
35	NWX03Y2459	BaiHuoMai/Ike//KS91H184/3*RBL//N87V106	ARS-LNK
36	MT0419	Erhardt/KS92H21-4//Pronghorn	MTSU
37	MTCL0477	MT9409*2/IMIBC303-9(TAM 110's'*4/FS2)//Neeley	MTSU
38	MT0495	MT9640/NB1133	MTSU

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		SKCS Average Kernel						Hardness			
		Moisture		Weight		Diameter		SKCS		Class	Distribution
LINE	Wt/Bu (lb)	(%)	(sd)	(mg)	(sd)	(mm)	(sd)		(sd)		
Kharkof	60.0	12.9	0.5	28.9	7.9	2.12	0.44	43	19	MIXED	030-033-017-020-03
Harding	59.3	12.6	0.4	29.0	9.1	2.17	0.49	67	18	HARD	005-006-020-069-01
Nuplains	57.8	12.6	0.4	24.0	7.8	1.89	0.44	66	19	HARD	006-010-019-065-02
Wesley	57.1	12.4	0.4	29.6	10.2	2.17	0.55	57	19	MIXED	011-018-023-048-03
Jerry	57.8	12.4	0.4	29.9	8.7	2.10	0.45	52	17	MIXED	012-024-027-037-03
98x0435-15	58.9	12.3	0.5	28.2	8.5	2.17	0.52	62	15	HARD	002-016-026-056-01
BC98334-04-02	58.3	12.1	0.4	29.3	8.8	2.11	0.48	53	18	MIXED	013-023-032-032-03
BC98334-10W-8W	57.9	12.0	0.4	28.7	8.8	2.08	0.48	53	17	HARD	009-026-032-033-02
HV9W98A-1002R	59.2	12.0	0.4	24.4	8.0	1.85	0.45	58	19	HARD	009-015-026-050-02
HV9W02-846R	60.3	11.6	0.6	31.0	8.7	2.21	0.48	60	16	HARD	006-014-024-056-02
Millennium-27, ALS-1	60.2	11.6	0.5	28.3	8.2	2.08	0.46	65	17	HARD	003-010-023-064-01
NE03458	56.1	11.7	0.5	25.2	8.7	2.02	0.51	61	18	HARD	007-011-027-055-02
NE04490	58.2	11.4	0.5	30.1	9.2	2.20	0.53	56	17	HARD	010-015-032-043-02
NE04537	58.8	11.2	0.5	27.2	7.6	2.07	0.44	70	16	HARD	002-007-015-076-01
NH03614	58.9	11.5	0.5	31.0	9.0	2.19	0.51	59	17	HARD	007-015-027-051-02
NI05711	55.3	11.2	0.5	31.1	10.1	2.21	0.56	54	15	HARD	006-024-030-040-02
NI05714	58.1	11.3	0.5	27.9	9.2	2.12	0.49	73	18	HARD	003-005-011-081-01
NI05720W	55.4	11.0	0.6	25.7	8.5	2.01	0.47	57	19	MIXED	011-016-028-045-03
NW03681	60.8	11.0	0.4	31.0	9.4	2.31	0.53	67	15	HARD	001-007-018-074-01
N98L20040-44	53.2	11.2	0.5	29.6	9.8	2.16	0.56	54	19	MIXED	012-022-025-041-03
SD96240-3-1	56.3	11.0	0.5	28.8	9.0	2.15	0.49	62	17	HARD	006-012-024-058-02
SD98W175-1	59.2	11.4	0.5	30.3	9.9	2.26	0.52	67	17	HARD	002-008-022-068-01
SD05W012	57.0	11.8	0.5	32.2	9.4	2.17	0.46	50	17	MIXED	016-026-031-027-03
SD05W018	57.4	11.7	0.5	29.3	8.6	2.05	0.49	55	18	MIXED	012-019-027-042-03
SD05W030	58.6	11.2	0.5	26.8	7.3	2.00	0.45	65	18	HARD	003-010-025-062-01
SD05W138	59.1	11.5	0.5	27.5	9.2	2.10	0.46	62	17	HARD	005-012-022-061-01
SD05W140	60.1	11.3	0.5	30.1	8.4	2.25	0.46	60	16	HARD	004-016-030-050-01
SD02804-1	57.0	11.6	0.5	26.7	8.8	1.97	0.57	72	17	HARD	001-004-018-077-01
SD05004	58.8	11.5	0.5	28.0	9.4	2.05	0.47	62	16	HARD	005-010-030-055-01
SD05118	59.0	11.5	0.6	31.7	9.1	2.34	0.53	66	16	HARD	003-006-023-068-01
SD05179	59.2	11.7	0.6	31.8	9.7	2.23	0.56	65	16	HARD	002-010-025-063-01
SD05210	58.6	11.4	0.6	27.6	8.4	2.01	0.48	65	16	HARD	003-009-024-064-01
BZ9W02-2051	55.5	11.5	0.5	25.6	8.2	2.00	0.45	67	17	HARD	003-007-021-069-01
NX03Y2489	55.4	11.5	0.5	29.3	9.5	2.15	0.52	62	18	HARD	007-013-021-059-02
NWX03Y2459	56.9	11.6	0.5	27.7	9.2	2.12	0.51	55	17	HARD	008-024-030-038-02
MT0419	57.4	11.5	0.5	26.2	9.0	1.98	0.47	68	18	HARD	003-008-019-070-01
MTCL0477	55.1	11.4	0.5	25.4	8.2	1.98	0.45	62	18	HARD	006-012-024-058-02
MT0495	52.0	11.6	0.6	24.4	7.5	1.95	0.45	68	17	HARD	003-010-018-069-01

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	Wheat		Flour			Noodle Color					
LINE	Protein (%)	Milling Yield (%)	Ash (%)	Protein (%)	PPO	L @ 0	a @ 0	b @ 0	Delta L 24 hrs	Delta a 24 hrs	Delta b 24 hrs
Kharkof	14.0	70.6	0.52	12.8	0.539	79.23	-2.03	23.62	-11.56	1.31	1.40
Harding	13.5	71.3	0.51	12.7	0.621	78.02	-1.63	24.26	-12.21	1.28	1.05
Nuplains	13.0	72.3	0.54	12.0	0.606	79.90	-2.11	24.34	-13.00	1.47	1.72
Wesley	13.5	73.2	0.49	12.6	0.757	79.10	-1.85	23.49	-11.71	1.46	0.88
Jerry	13.4	72.3	0.48	12.4	0.651	79.75	-1.91	24.36	-11.47	1.28	2.52
98x0435-15	13.7	71.3	0.45	12.6	0.607	80.11	-1.72	22.29	-11.07	1.10	3.99
BC98334-04-02	12.7	71.2	0.44	11.6	0.777	79.88	-1.79	23.52	-10.68	1.27	1.84
BC98334-10W-8W	13.4	70.5	0.48	12.3	0.776	80.19	-1.49	22.87	-12.16	1.26	2.36
HV9W98A-1002R	12.8	73.0	0.48	11.8	0.754	80.35	-1.84	23.46	-10.14	1.03	2.11
HV9W02-846R	13.3	72.8	0.44	11.8	0.526	79.29	-1.69	24.06	-10.90	1.17	2.29
Millennium-27, ALS-1	12.9	72.5	0.47	11.6	0.616	80.10	-1.85	21.47	-11.23	1.04	3.67
NE03458	12.2	71.8	0.49	11.4	0.622	78.59	-1.71	20.61	-14.58	1.50	5.72
NE04490	13.2	69.6	0.46	11.8	0.813	79.35	-1.87	23.45	-12.62	1.50	1.89
NE04537	13.0	72.1	0.47	11.9	0.665	81.30	-1.89	20.95	-12.98	1.28	4.56
NH03614	12.6	72.3	0.47	11.4	0.712	79.61	-1.81	20.98	-13.22	1.44	4.02
NI05711	13.2	71.4	0.46	12.3	0.674	80.13	-1.68	21.68	-13.06	0.94	3.91
NI05714	12.9	68.5	0.59	12.0	0.673	80.79	-2.37	24.29	-11.91	1.37	2.80
NI05720W	13.4	67.1	0.49	12.9	0.631	81.44	-2.40	24.79	-11.96	1.14	2.62
NW03681	13.6	73.0	0.50	12.4	0.627	80.62	-2.09	23.05	-11.94	1.12	1.84
N98L20040-44	13.0	69.8	0.47	11.9	0.675	79.29	-1.66	22.35	-14.82	1.49	2.98
SD96240-3-1	13.2	68.6	0.44	12.2	0.627	80.61	-1.73	21.38	-13.58	0.87	4.34
SD98W175-1	14.0	71.0	0.53	13.1	0.541	80.91	-2.06	23.19	-12.06	1.09	3.56
SD05W012	12.9	69.5	0.52	12.0	0.501	83.61	-2.02	20.37	-13.46	1.08	6.85
SD05W018	13.3	70.0	0.49	11.9	0.624	81.03	-2.27	24.94	-11.83	1.11	3.15
SD05W030	12.8	69.2	0.49	11.6	0.396	81.98	-2.45	25.23	-10.81	0.88	4.25
SD05W138	13.1	71.2	0.54	12.2	0.689	81.68	-2.51	25.79	-11.91	0.86	3.26
SD05W140	14.1	70.5	0.50	13.1	0.692	81.02	-2.13	22.97	-12.67	1.09	1.90
SD02804-1	13.8	71.2	0.55	12.4	0.278	80.54	-2.30	24.00	-10.48	0.92	3.62
SD05004	13.8	71.1	0.48	12.8	0.718	80.65	-2.47	25.79	-11.11	1.11	2.04
SD05118	13.5	72.9	0.50	12.3	0.715	79.78	-1.73	23.36	-11.44	1.09	3.31
SD05179	12.8	71.1	0.48	11.8	0.700	79.92	-2.29	26.22	-11.45	1.22	2.64
SD05210	13.6	72.7	0.44	12.7	0.751	79.32	-1.73	22.48	-12.79	1.14	3.07
BZ9W02-2051	12.9	70.0	0.52	11.7	0.657	79.57	-1.85	23.14	-13.90	1.50	3.10
NX03Y2489	13.4	67.0	0.52	12.4	0.391	83.94	-1.76	18.36	-12.83	1.11	4.63
NWX03Y2459	14.0	69.2	0.51	13.0	0.636	83.56	-1.87	19.75	-14.84	1.28	5.24
MT0419	13.9	70.6	0.50	12.8	0.774	79.28	-1.59	24.04	-13.11	1.18	1.50
MTCL0477	14.6	70.2	0.49	12.6	0.678	80.15	-1.34	21.74	-13.96	1.09	5.15
MT0495	13.6	66.5	0.52	13.6	0.231	77.82	-1.36	26.28	-11.80	1.12	3.22

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		Mixograph			
	Flour Protein	Absorption	As-Is	Corrected	Tolerance
Line	(%)	(%)	(min)	(min)	
Kharkof	12.8	64.3	3.63	3.63	4
Harding	12.7	64.1	3.50	3.50	4
Nuplains	12.0	62.9	3.25	3.24	3
Wesley	12.6	62.9	5.13	5.13	5
Jerry	12.4	63.7	4.38	4.38	4
98x0435-15	12.6	63.0	7.50	7.50	6
BC98334-04-02	11.6	62.2	3.00	2.85	2
BC98334-10W-8W	12.3	63.5	3.38	3.38	3
HV9W98A-1002R	11.8	62.6	4.38	4.26	4
HV9W02-846R	11.8	62.6	4.38	4.26	4
Millennium-27, ALS-1	11.6	62.3	3.75	3.58	4
NE03458	11.4	61.9	3.63	3.37	4
NE04490	11.8	62.6	3.88	3.78	4
NE04537	11.9	62.7	5.13	5.04	5
NH03614	11.4	61.0	5.00	4.66	5
NI05711	12.3	63.5	5.13	5.13	5
NI05714	12.0	62.9	5.00	5.00	5
NI05720W	12.9	63.4	4.88	4.88	5
NW03681	12.4	63.6	4.50	4.50	5
N98L20040-44	11.9	62.8	4.00	3.97	4
SD96240-3-1	12.2	63.2	3.50	3.50	2
SD98W175-1	13.1	64.8	4.63	4.63	5
SD05W012	12.0	62.9	2.63	2.62	1
SD05W018	11.9	61.3	3.63	3.59	2
SD05W030	11.6	62.2	3.50	3.31	2
SD05W138	12.2	61.3	4.25	4.25	3
SD05W140	13.1	61.7	4.00	4.00	1
SD02804-1	12.4	63.7	4.00	4.00	4
SD05004	12.8	63.3	1.78	1.78	0
SD05118	12.3	63.4	5.00	5.00	5
SD05179	11.8	62.6	3.63	3.54	4
SD05210	12.7	63.2	6.00	6.00	6
BZ9W02-2051	11.7	62.4	4.13	3.97	4
NX03Y2489	12.4	65.1	3.00	3.00	1
NWX03Y2459	13.0	64.6	1.38	1.38	1
MT0419	12.8	64.2	4.00	4.00	4
MTCL0477	12.6	63.9	4.25	4.25	4
MT0495	13.6	65.7	4.50	4.50	5

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	RVA							
Line	Stirring Number (RVU)	Peak Viscosity (RVU)	Trough Viscosity (RVU)	Breakdown (RVU)	Final Viscosity (RVU)	Set back (RVU)	Peak Time (min)	Pasting Temp (Deg. C)
Kharkof	140.17	240.42	154.25	86.17	274.67	120.42	6.33	
Harding	130.83	236.83	161.17	75.67	285.67	124.50	6.40	
Nuplains	124.67	219.75	144.08	75.67	281.83	137.75	6.13	
Wesley	123.50	215.58	134.83	80.75	264.17	129.33	6.13	
Jerry	127.17	217.58	145.25	72.33	274.08	128.83	6.20	
98x0435-15	122.33	217.75	145.58	72.17	275.83	130.25	6.20	
BC98334-04-02	108.50	240.08	151.25	88.83	281.58	130.33	6.20	
BC98334-10W-8W	110.42	181.33	95.42	85.92	196.83	101.42	5.87	
HV9W98A-1002R	115.33	204.33	110.75	93.58	217.58	106.83	6.00	
HV9W02-846R	154.75	241.25	168.42	72.83	293.17	124.75	6.40	
Millennium-27, ALS-1	127.75	218.33	142.67	75.67	271.33	128.67	6.13	
NE03458	128.42	250.00	158.75	91.25	293.75	135.00	6.20	
NE04490	107.00	220.83	151.75	69.08	290.83	139.08	6.20	
NE04537	122.25	186.17	119.17	67.00	239.75	120.58	6.00	
NH03614	123.08	212.75	140.08	72.67	273.42	133.33	6.13	
NI05711	96.92	202.75	121.75	81.00	238.58	116.83	6.00	
NI05714	134.42	199.25	116.92	82.33	226.58	109.67	6.20	
NI05720W	114.08	200.67	121.75	78.92	238.08	116.33	6.07	
NW03681	116.33	248.75	137.25	111.50	241.08	103.83	6.13	
N98L20040-44	96.42	207.17	124.33	82.83	239.17	114.83	6.07	
SD96240-3-1	125.75	224.42	145.42	79.00	271.00	125.58	6.20	
SD98W175-1	119.50	224.50	143.17	81.33	268.75	125.58	6.20	
SD05W012	117.92	196.42	119.75	76.67	236.83	117.08	6.13	
SD05W018	133.92	222.08	149.00	73.08	282.17	133.17	6.27	
SD05W030	136.08	219.67	149.83	69.83	283.92	134.08	6.27	
SD05W138	121.92	227.83	149.83	78.00	272.50	122.67	6.33	
SD05W140	116.92	212.50	137.75	74.75	255.58	117.83	6.27	
SD02804-1	129.25	224.92	153.00	71.92	284.33	131.33	6.27	
SD05004	147.08	216.58	154.08	62.50	269.75	115.67	6.47	
SD05118	127.67	223.50	150.67	72.83	277.83	127.17	6.27	
SD05179	124.83	229.17	142.42	86.75	267.08	124.67	6.27	
SD05210	118.25	214.67	140.33	74.33	261.67	121.33	6.20	
BZ9W02-2051	114.83	241.33	150.17	91.17	273.00	122.83	6.27	
NX03Y2489	46.33	53.25	7.25	46.00	12.00	4.75	3.13	
NWX03Y2459	98.25	128.67	32.50	96.17	45.25	12.75	3.60	
MT0419	96.75	212.92	131.00	81.92	247.58	116.58	6.13	
MTCL0477	127.50	209.42	149.08	60.33	280.58	131.50	6.20	
MT0495	111.75	195.00	120.33	74.67	247.25	126.92	6.07	

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	Flour		Mix Time		Dough					
Line	Protein (%)	Water Abs. (%)	As-is (min)	Corrected (min)	Weight (g)	Proof Height (cm)	Crumb Grain	As-Rec'd. (cc)	Specific Volume (cc/g)	Loaf Volume Potential (cc/%)
Kharkof	12.8	62.4	5.00	5.00	171.8	7.8	4.5	940	6.3	65
Harding	12.7	63.6	5.25	5.25	172.4	8.0	4.2	1055	7.1	78
Nuplains	12.0	61.5	3.75	3.74	170.8	7.6	4.5	900	6.1	67
Wesley	12.6	62.4	7.50	7.50	171.2	7.4	5.0	920	6.2	65
Jerry	12.4	63.0	6.13	6.13	172.4	7.5	5.0	925	6.2	66
98x0435-15	12.6	61.5	10.00	10.00	171.0	7.3	4.5	920	6.2	64
BC98334-04-02	11.6	60.6	3.63	3.45	170.6	7.1	4.5	835	5.7	62
BC98334-10W-8W	12.3	61.4	4.13	4.13	171.6	7.4	4.5	895	6.0	64
HV9W98A-1002R	11.8	60.4	6.00	5.83	170.4	7.5	5.0	975	6.6	77
HV9W02-846R	11.8	61.5	5.75	5.59	170.6	7.2	4.0	860	5.8	64
Millennium-27, ALS-1	11.6	62.2	5.13	4.89	171.5	7.4	5.0	895	6.0	69
NE03458	11.4	62.2	6.50	6.03	171.1	7.3	3.8	855	5.8	66
NE04490	11.8	62.1	4.38	4.27	171.4	7.7	3.2	915	6.2	70
NE04537	11.9	61.9	7.00	6.88	170.9	7.5	3.5	865	5.8	64
NH03614	11.4	62.1	7.50	6.99	171.5	7.4	4.0	865	5.8	67
NI05711	12.3	63.6	8.50	8.50	172.9	7.6	5.0	925	6.1	67
NI05714	12.0	62.5	6.88	6.87	171.6	7.6	2.8	895	6.0	66
NI05720W	12.9	63.3	6.63	6.63	171.9	7.8	5.0	1015	6.8	73
NW03681	12.4	63.6	7.25	7.25	173.8	7.5	4.0	930	6.1	67
N98L20040-44	11.9	62.9	5.50	5.46	171.7	7.9	4.5	945	6.3	72
SD96240-3-1	12.2	60.1	4.50	4.50	169.7	7.5	3.0	880	5.9	63
SD98W175-1	13.1	62.8	7.25	7.25	170.8	7.3	5.0	960	6.4	65
SD05W012	12.0	58.6	3.75	3.74	168.1	7.3	3.5	875	5.9	64
SD05W018	11.9	59.7	4.50	4.45	168.4	7.5	4.0	885	6.0	66
SD05W030	11.6	60.0	4.50	4.26	168.9	7.3	3.5	860	5.8	65
SD05W138	12.2	61.1	5.25	5.25	171.2	7.8	4.5	945	6.4	70
SD05W140	13.1	59.0	3.75	3.75	168.1	8.0	4.8	965	6.7	66
SD02804-1	12.4	62.3	5.00	5.00	171.1	7.6	5.0	930	6.3	67
SD05004	12.8	58.1	2.50	2.50	167.0	7.6	3.0	900	6.2	61
SD05118	12.3	62.2	6.75	6.75	170.3	7.4	4.5	900	6.1	65
SD05179	11.8	62.2	5.13	5.00	170.6	7.7	4.0	950	6.4	74
SD05210	12.7	62.3	7.50	7.50	169.5	7.5	4.0	985	6.7	70
BZ9W02-2051	11.7	62.5	5.13	4.93	171.1	7.5	4.8	905	6.1	70
NX03Y2489	12.4	63.8	4.38	4.38	172.4	7.9	0.0	1050	7.1	80
NWX03Y2459	13.0	63.0	2.75	2.75	172.6	7.7	0.0	920	6.2	62
MT0419	12.8	64.0	5.50	5.50	172.8	7.8	4.8	1015	6.9	73
MTCL0477	12.6	63.8	6.38	6.38	172.1	7.9	3.8	955	6.4	69
MT0495	13.6	64.6	5.88	5.88	173.2	8.3	5.0	1055	7.1	71