

2023 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

State Experiment Stations and
USDA-ARS Cooperating

California

Colorado

Idaho

Oregon

Texas

Washington



2023 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

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Western Regional Potato Variety Trial Reports (1998-2023) can be accessed at the following website.

www.ars.usda.gov/main/docs.htm?docid=21888

Compiled by Brian Schneider

TABLE 1: 2023 Western Regional Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

No. Locations	Cooperators	Trial	Irrigation	Fertilizer N-P-K-S(lb/A)	Planting Date	Harvest Date	Days to Vine Kill	Days to Harvest	Herbicides	Pesticides Applied ¹		
										Insecticides	Fungicides	
1	Tulelake California (TUL)	R. Wilson D. Culp K. Nicholson	Late	Sprink.	120-0-300 Seed Spacing: In-Row 10" Rows 36"	19-May	26-Sep	102	130	Prowl H2O Outlook Matrix	Admire-Pro Vydate	Vellum Prime Quadris Luna Tranquility Manzate Max
2	San Luis Valley Colorado (SLV)	J. Chitwood- Brown C. Gray E. Niebaum	Late	Pivot	180-80-60 Seed Spacing: In-Row 12" Rows 34"	16-May	3-Oct	113	140	Metribuzin 75 Tuscany Boundary 6.5 EC Dual II Magnum	Sefina Inscalis Movento HL	Amistar Top Revus Top
3	Aberdeen	R. Spear R. Novy J. Whitworth C. Lowder	Late	Sprink.	305-140-130-60-5 Seed Spacing: In-Row 10" Rows 36"	2-May	19-Sep	122	140	TriCor 4F Matrix Eptam 7-E	Admire-Pro	
4	Kimberly Idaho (KIM)	R. Spear R. Novy J. Whitworth C. Lowder	Late	Sprink.	285-250-125-40 Seed Spacing: In-Row 10" Rows 36"	28-Apr	10-Oct	139	165	Sonalan Eptam Outlook	Luna Tranquility	Luna Tranquility Bravo Weather Stik
5	Parma Idaho (PAR)	M. Thornton O. Morgan R. Portenier	Early	Sprink.	177-211-200-0-5Mn-4B	17-Apr	10-Aug	105	115	Sonalan Boundry Eptam Matrix	Admire Pro	Quadris Bravo, Endura Luna T, Revus Top Quadris Top
6	Hermiston Oregon (HRM)	S. Sathuvalli M. Aguila	Early	Pivot	200-200-200138-84Ca-3C	28-Mar	3-Aug	115	128	Matrix Dual Magnum Prowl, Eptam	Admire Pro Vantacor	Ridomil Gold Quadris Omega
			Late	Pivot	200-200-200138-84Ca-3C	13-Apr	11-Sep	138	151			
					Seed Spacing: E & L In-Row 12" & 9.25" Rows 34"							
7	Dalhart (DAL)	I. Vales J. Koym	Early	Pivot	211-226-263	12-May	19-Sep	108	130	Eptam 7E, Matrix SG Gly Star 5 Extra he	Fulfill Reaper ClearForm	Aframe, Endura Fungicide Manzate Max, Minuet
	Springlake (SPR)	D. Scheuring	Early	Pivot	159-64.5-9	25-Mar	17-Jul	109	114	Tricor 4F, Trifluralin Volunteer, Regone	Silencer Transform WG	Provysol, Revus Top Xyler FC
	Texas	J. Pandey S. Toinga- Villafuerte			Seed Spacing: DAL / SPR In-Row 9.4" / 9.0" Rows 28" / 36"					Boundry 6.5 EC Eptam 7E Makaze	Eptam 7E, Movento Oberon 4 SC, SPE 120 Sivanto 200 SL, Velum Prime	Makaze, Headline, NUCOP Luna Tranquility, Scala SC Miravis Prime, Provysol
8	Othello (OTH)	M. Pavék	Early	Linear	250-150-250	6-Apr	9-Aug	106	125	Matrix, Prowl H2O	Admire	Bravo, Priaxor Zing
	Othello (OTH)	J. Blauer	Late	Pivot	380-250-400	4-Apr	11-Sep	150	160	Eptam		Luna Tranquility
	Washington				In-Row 12"&11" Rows 32"							

¹ Bold indicates use in both location's trials.

TABLE 2: 2023 Western Regional Potato Variety Trial - CLONE, PARENTAGE, FLOWER COLOR, ENTRY SUBMISSION, USE, TRIAL, YEARS IN TRIAL, SEED SOURCE, STAND, TUBER AND VINE CHARACTERISTICS

No.	Clone	Parents	Flower Entered		Use	Trial	Year in Trial	Seed Source	Stand ²	Tuber and Vine Descriptions from Trial Observations ²								
			Color ¹	by						Tuber Shape (1-5) ³	Tuber Skin (1-5) ⁴	Vine Size (1-5) ⁵	Vine Maturity (1-5) ⁶	Stems/Hill				
No.	Clone								(1-5(long))	(1-5(hvy russet))	(1-5(larger))	(1-5(latest))						
1	Clearwater Russet	Bannock Russet A89152-4	P	Ck	Dual	L	-	OR	94	Oblong	3.5	Med Russet	3.7	Med-Large	3.7	Med-Late	4.0	2.5
2	Ranger Russet	Butte A6595-3	RP	Ck	Dual	E/L	-	OR	93	Long	4.6	Med Russet	3.2	Med-Large	3.3	Med-Late	3.7	2.3
3	Russet Burbank	Early Rose ?	W	Ck	Dual	E/L	-	OR	91	Obl-Lng	3.9	Med Russet	3.3	Medium	3.0	Med Early	3.0	2.6
4	A09086-1LB	A97066-42LB AC96052-1RU	RP	ID	Dual	E/L	2	OR	97	Oblong	3.5	Light Russet	2.2	Med-Large	3.8	Med-Late	4.0	2.7
5	A10594-4sto	A96953-13 A98345-1	abort	ID	Dual	E/L	2	OR	94	Obl-Lng	3.6	Light Russet	2.8	Med-Large	3.4	Medium	3.1	1.9
6	A12169-5	Dakota Trailblazer A03082-4	W	ID	Dual	E/L	1	OR	96	Oblong	3.3	Light Russet	2.9	Med-Large	3.3	Med-Late	4.0	2.1
7	A12305-2adg	A96953-13 A02618-1	W	ID	Dual	E/L	2	OR	93	Obl-Lng	3.8	Med Russet	3.8	Med-Large	3.9	Late	4.3	2.2
8	A13036-12	A08014-9TE AO02183-2	W	ID	Dual	E/L	1	OR	95	Oblong	3.1	Med Russet	4.0	Med-Large	3.8	Medium	3.5	2.4
9	AC12090-3RU	A05214-3LB A06021-1T	W	CO	Dual	E/L	2	CO	93	Obl-Lng	4.0	Med Russet	4.0	Medium	2.7	Early	2.5	2.9
10	AFA5661-8	Blazer Russet AF4342-3	W	ID	Dual	E/L	2	OR	94	Oblong	3.3	Light Russet	2.7	Med-Large	3.1	Med-Late	3.8	2.0
11	AOR11217-3	A01010-3 NDA070929B-3	PP	OR	Dual	E/L	2	OR	95	Obl-Lng	3.8	Med Russet	3.9	Med-Large	3.6	Medium	3.4	2.2
12	AOR13064-2	A06029-4T AO02183-2	W	OR	Dual	E/L	1	OR	95	Obl-Lng	3.8	Med Russet	3.8	Med-Large	3.5	Medium	3.2	2.4
13	CO13003-1RU	Fortress Russet AC96052-1RU	W	CO	Dual	E/L	2	CO	95	Oblong	3.2	Med Hvy Rus	4.1	Med-Large	3.1	Medium	3.1	2.9
14	COTX08063-2Ru	Premier Russet A99073-1	W	TX	Dual	E/L	1	CO	96	Obl-Lng	3.8	Light Russet	2.4	Med-Large	3.1	Medium	3.1	2.9
15	Russet Norkotah	ND9687-5Rus ND9526-4Rus	W	Ck	Fresh	E/L	-	OR	96	Obl-Lng	3.7	Med Hvy Rus	4.1	Small	2.5	Med Early	2.6	2.4
16	Shepody	Bake-King F58050	W	Ck	Proc	E	-	OR	92	Obl-Lng	3.9	White	1.1	Med-Large	3.3	Med-Late	3.6	2.4
17	COTX10080-2Rusto	CO03364-5RU CO98067-7RU	.	TX	Fresh	E/L	1	CO	95	Obl-Lng	3.7	Med Russet	3.8	Med-Large	3.2	Medium	3.1	2.9

¹ P=Purple, R=Red, W=White

² Numerical values are means of all trial locations at 60 days.

³ 1.0-2.0=Round, 2.1-2.5=Round-Oblong, 2.6-3.5=Oblong, 3.6-4.0=Oblong-Long, 4.1-5.0=Long

⁴ 1.0-2.0=White, 2.1-3.0=Light Russet, 3.1-4.0=Medium Russet, 4.1-4.5=Medium Heavy Russet, 4.6-5.0 Heavy Russet

⁵ 1.0-2.5=Small, 2.6-3.0=Medium, 3.1-4.0=Medium-Large, 4.1-4.5=Large, 4.6-5.0=Very Large

⁶ 1.0-2.5=Early, 2.6-3.0=Medium-Early, 3.1-3.5=Medium, 3.6-4.0=Medium-Late, 4.1-4.5=Late, 4.6-5.0=Very Late

TABLE 3: 2023 Western Regional Potato Variety Trial - TOTAL YIELD (CWT/A) - EARLY AND LATE HARVEST

No. Clone	Total Yield - Early Harvest (CWT/A)							Total Yield - Late Harvest (CWT/A)										
	ID	OR	TX		WA	Entry	CA	CO	ID		OR	WA	Entry					
	PAR	HRM	DAL	SPR	OTH	Mean/Rank	TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean/Rank				
1 CLEARWATER R.	.	.	386	281	.	.	.	434	384	455	433	612	715	790	546	6	cd	
2 RANGER R.	392	510	301	312	579	419	14	bc	395	238	369	508	617	629	862	517	9	cd
3 R. BURBANK	360	497	360	304	606	425	12	bc	383	355	275	376	546	510	822	467	15	de
4 A09086-1LB	323	551	409	438	670	478	2	ab	539	445	514	577	718	804	965	652	1	a
5 A10594-4sto	385	455	484	375	583	457	5	ab	412	387	224	474	636	590	918	520	8	cd
6 A12169-5	345	550	446	268	613	444	7	abc	475	343	502	615	.	651	808	566	4	bc
7 A12305-2adg	285	587	592	389	712	513	1	a	601	398	487	626	680	777	991	652	1	a
8 A13036-12	208	591	521	398	623	468	4	ab	257	436	524	832	626	754	988	631	3	ab
9 AC12090-3RU	324	483	493	295	505	420	13	bc	273	357	402	523	609	476	844	498	12	cde
10 AFA5661-8	394	441	475	336	627	455	6	ab	521	370	454	435	608	629	941	565	5	bc
11 AOR11217-3	253	460	395	237	561	381	16	c	546	323	292	554	567	573	845	528	7	cd
12 AOR13064-2	295	451	377	288	667	415	15	bc	414	342	413	507	522	608	768	511	10	cde
13 CO13003-1RU	282	476	488	395	541	437	8	bc	382	332	313	508	540	581	856	502	11	cde
14 COTX08063-2Ru	352	474	425	302	608	432	10	bc	367	334	208	369	499	528	732	434	16	e
15 R. NORKOTAH	421	517	481	399	536	471	3	ab	384	192	213	354	531	704	1022	486	13	cde
16 SHEPODY	325	498	.	.	485	436	9	bc	.	.	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	232	348	490	.	656	431	11	bc	387	295	.	389	546	300	905	470	14	de
Location Means	323	493	449	338	598	443			423	346	376	505	590	614	879	534		

Means followed by the same letter are not significantly different at the 5% level using Student's t test.

Indicates high or strength

Indicates low or weakness

TABLE 4: 2023 Western Regional Potato Variety Trial - YIELD OF U.S. #1'S [CWT/A (upper) and % (lower)] - EARLY AND LATE HARVEST

No. Clone	U.S. No. 1's - Early Harvest (CWT/A) and %							U.S. No. 1's - Late Harvest (CWT/A) and %										
	ID	OR	TX		WA	Entry		CA	CO	ID		OR	WA	Entry				
	PAR	HRM	DAL	SPR	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean/Rank			
1 CLEARWATER R.	.	.	266	98	.	.	.	364	328	325	316	559	615	747	465	5	cde	
	.	.	69	35	.	.	.	84	85	71	73	91	86	95	84	4		
2 RANGER R.	348	386	243	179	513	334	12	bc	338	155	255	313	562	500	710	405	11	def
	89	76	81	58	89	78	11		86	65	69	62	91	80	82	76	14	
3 R. BURBANK	272	313	223	139	488	287	16	c	285	238	162	151	460	409	671	339	15	f
	75	63	62	46	81	65	16		74	67	59	40	84	80	82	69	16	
4 A09086-1LB	288	449	305	258	654	391	4	ab	447	327	393	421	665	697	909	551	2	ab
	89	82	75	59	98	80	8		83	73	76	73	93	87	94	83	6	
5 A10594-4sto	356	403	402	283	495	388	5	ab	345	340	160	360	595	513	817	447	7	de
	92	89	83	75	85	85	2		84	88	72	76	94	87	89	84	4	
6 A12169-5	331	483	372	205	579	394	3	ab	413	282	426	473	.	566	608	461	6	cde
	96	88	83	76	94	88	1		87	82	85	77	.	87	75	82	8	
7 A12305-2adg	267	499	503	246	655	434	1	a	571	354	450	520	604	702	921	589	1	a
	94	85	85	63	92	84	3		95	89	92	83	89	90	93	90	1	
8 A13036-12	198	462	415	245	602	385	6	ab	223	391	496	704	600	498	880	542	3	abc
	95	78	80	62	97	82	6		87	90	95	85	96	66	89	87	2	
9 AC12090-3RU	284	388	392	176	459	340	11	bc	195	254	290	329	546	385	743	392	13	ef
	88	80	80	60	91	80	8		71	71	72	63	90	81	88	77	12	
10 AFA5661-8	371	411	358	173	532	369	7	ab	465	297	352	308	584	528	803	477	4	bcd
	94	93	75	52	85	80	8		89	80	77	71	96	84	85	83	6	
11 AOR11217-3	208	378	306	64	529	297	15	c	468	243	190	346	521	489	792	436	8	de
	82	82	77	27	94	73	13		86	75	65	62	92	85	94	80	9	
12 AOR13064-2	259	356	303	199	620	347	10	bc	353	288	333	380	483	534	679	436	8	de
	88	79	80	69	93	82	6		85	84	81	75	93	88	88	85	3	
13 CO13003-1RU	199	355	404	151	531	328	13	bc	314	268	222	331	436	511	804	412	10	def
	71	74	83	38	98	73	13		82	81	71	65	81	88	94	80	9	
14 COTX08063-2Ru	301	411	317	224	584	367	8	ab	316	226	95	205	419	425	673	337	16	f
	85	87	75	74	96	83	5		86	68	45	55	84	80	92	73	15	
15 R. NORKOTAH	372	425	376	305	499	396	2	ab	318	110	107	281	485	587	947	405	11	def
	88	82	78	76	93	84	3		83	57	50	79	91	83	93	77	12	
16 SHEPODY	249	387	.	.	301	312	14	c	.	.	.	.	.	.	.	.	.
	77	78	.	.	62	72	15		.	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	154	266	391	.	598	353	9	bc	324	239	.	188	491	234	826	384	14	ef
	66	77	80	.	91	78	11		84	81	.	48	90	78	91	79	11	
Location Means	279	398	363	208	540	358			359	271	284	352	534	512	783	442		
	86	81	80	61	90	79			84	77	72	68	90	83	89	81		

Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 5: 2023 Western Regional Potato Variety Trial - YIELD > 10 OZ [CWT/A (upper) & % (lower)] - EARLY AND LATE HARVEST

No. Clone	U.S. No. 1's > 10 OZ - Early Harvest (CWT/A) and %							U.S. No. 1's > 10 OZ - Late Harvest (CWT/A) and %										
	ID	OR	TX		WA	Entry		CA	CO	ID		OR	WA	Entry				
	PAR	HRM	DAL	SPR ¹	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean/Rank			
1 CLEARWATER R.	.	.	54	3	.	.	.	133	126	54	44	280	181	306	160	11	defg	
	.	.	14	1	.	.	.	31	33	12	10	46	25	39	28	11		
2 RANGER R.	123	132	82	47	203	117	9	abc	134	59	125	155	313	171	521	211	8	de
	31	26	27	15	35	27	8		34	25	34	31	51	27	60	37	7	
3 R. BURBANK	59	96	20	5	176	71	15	bc	50	60	25	0	226	167	419	135	14	efg
	16	19	6	2	29	14	15		13	17	9	0	41	33	51	23	14	
4 A09086-1LB	81	114	114	52	97	92	12	bc	128	77	215	111	390	236	408	223	7	d
	25	21	28	12	14	20	13		24	17	42	19	54	29	42	33	8	
5 A10594-4sto	195	129	158	96	270	170	4	ab	84	128	17	86	395	325	619	236	5	cd
	51	28	33	26	46	37	3		20	33	8	18	62	55	67	38	6	
6 A12169-5	249	256	136	50	401	219	2	b	243	100	328	349	.	317	604	324	3	b
	72	47	31	19	66	47	1		51	29	65	57	.	49	75	54	2	
7 A12305-2adg	121	169	218	12	176	139	7	abc	313	104	232	240	405	448	634	340	2	b
	42	29	37	3	25	27	8		52	26	48	38	60	58	64	49	3	
8 A13036-12	133	301	231	31	414	222	1	a	177	215	296	518	463	595	757	431	1	a
	64	51	44	8	67	47	1		69	49	56	62	74	79	77	67	1	
9 AC12090-3RU	131	113	113	30	188	115	10	abc	95	49	76	29	312	101	457	160	11	defg
	40	23	23	10	37	27	8		35	14	19	5	51	21	54	29	10	
10 AFA5661-8	169	185	92	16	289	150	5	abc	238	32	154	186	423	356	725	302	4	bc
	43	42	19	5	46	31	6		46	9	34	43	70	57	77	48	4	
11 AOR11217-3	120	65	86	11	201	97	11	bc	187	46	74	147	311	163	418	192	9	de
	48	14	22	5	36	25	11		34	14	25	27	55	28	49	33	8	
12 AOR13064-2	139	185	107	26	404	172	3	ab	130	107	230	136	288	249	440	226	6	cd
	47	41	28	9	61	37	3		31	31	56	27	55	41	57	43	5	
13 CO13003-1RU	37	31	175	12	29	57	16	c	76	51	15	58	151	142	274	110	15	fg
	13	6	36	3	5	13	16		20	15	5	11	28	24	32	19	15	
14 COTX08063-2Ru	69	153	68	52	118	92	12	bc	100	34	3	0	157	117	291	100	16	g
	20	32	16	17	19	21	12		27	10	1	0	31	22	40	19	15	
15 R. NORKOTAH	108	107	138	187	143	137	8	abc	80	3	8	54	242	190	680	180	10	def
	26	21	29	47	27	30	7		21	2	4	15	45	27	67	26	13	
16 SHEPODY	75	218	.	.	142	145	6	abc	.	.	.	.	.	.	.	.	.	.
	23	44	.	.	29	32	5		.	.	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	25	55	175	.	89	86	14	bc	77	93	.	30	287	44	375	151	13	efg
	11	16	36	.	14	19	14		20	32	.	8	53	15	41	28	11	
Location Means	115	144	128	45	209	130			140	80	123	134	309	238	496	218		
	36	29	28	13	35	28			33	22	28	23	52	37	56	36		

Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 6: 2023 Western Regional Potato Variety Trial - YIELD < 4 OZ [CWT/A (upper) & % (lower)] - EARLY AND LATE HARVEST

No. Clone	Yield < 4 OZ - Early Harvest (CWT/A) and %							Yield < 4 OZ - Late Harvest (CWT/A) and %										
	ID	OR	TX		WA	Entry		CA	CO	ID		OR	WA	Entry				
	PAR	HRM	DAL	SPR	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean/Rank			
1 CLEARWATER R.	.	.	97	177	.	.	.	47	47	80	85	42	71	88	66	5	abc	
	.	.	25	63	.	.	.	11	12	18	20	7	10	11	13	7		
2 RANGER R.	32	49	56	106	65	62	9	bcde	41	37	32	43	27	69	70	45	10	def
	8	10	19	34	11	16	8		10	16	9	8	4	11	8	9	10	
3 R. BURBANK	55	69	61	137	84	81	4	b	88	96	71	83	51	56	73	74	4	ab
	15	14	17	45	14	21	3		23	27	26	22	9	11	9	18	3	
4 A09086-1LB	35	68	58	168	115	89	2	ab	78	88	45	75	30	69	70	65	6	bc
	11	12	14	38	17	19	4		14	20	9	13	4	9	7	11	8	
5 A10594-4sto	13	35	57	66	30	40	15	de	54	27	49	53	9	26	42	37	11	efg
	3	8	12	18	5	9	14		13	7	22	11	1	4	5	9	10	
6 A12169-5	3	25	53	62	33	35	16	e	23	31	9	22	.	20	29	22	15	g
	1	5	12	23	5	9	14		5	9	2	4	.	3	4	4	14	
7 A12305-2adg	16	33	56	128	65	60	10	bcde	19	30	13	22	25	18	60	27	14	g
	6	6	9	33	9	13	10		3	8	3	3	4	2	6	4	14	
8 A13036-12	8	21	39	114	22	41	14	de	15	27	15	40	12	12	25	21	16	g
	4	3	7	29	4	9	14		6	6	3	5	2	2	3	4	14	
9 AC12090-3RU	31	58	83	118	70	72	7	bcd	26	89	86	129	50	67	77	75	3	ab
	10	12	17	40	14	19	4		9	25	21	25	8	14	9	16	5	
10 AFA5661-8	23	24	87	145	34	63	8	bcde	23	65	38	31	10	18	26	30	13	fg
	6	5	18	43	5	16	8		4	18	8	7	2	3	3	6	13	
11 AOR11217-3	31	65	78	171	71	83	3	b	52	67	44	47	27	49	69	51	9	cde
	12	14	20	72	13	26	2		10	21	15	8	5	8	8	11	8	
12 AOR13064-2	25	25	55	75	51	46	13	cde	44	33	21	35	21	39	41	33	12	efg
	8	6	15	26	8	12	12		11	10	5	7	4	6	5	7	12	
13 CO13003-1RU	66	93	52	243	144	119	1	a	63	57	80	115	67	63	97	78	2	ab
	23	19	11	62	27	28	1		17	17	26	23	12	11	11	17	4	
14 COTX08063-2Ru	44	43	95	77	108	73	6	bc	42	97	106	123	52	78	84	83	1	a
	12	9	22	26	18	17	7		11	29	51	33	10	15	11	23	1	
15 R. NORKOTAH	42	65	49	38	90	57	12	bcde	52	75	93	53	38	70	40	60	7	bcd
	10	12	10	10	17	12	12		13	39	43	15	7	10	4	19	2	
16 SHEPODY	38	27	.	.	108	58	11	bcde	.	.	.	.	.	.	.	.	.
	12	5	.	.	22	13	10		.	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	76	43	56	.	135	77	5	bc	58	40	.	68	30	56	110	60	7	bcd
	33	12	11	.	21	19	4		15	14	.	18	5	19	12	14	6	
Location Means	34	46	64	122	77	66			45	57	52	64	33	49	63	52		
	11	10	15	37	13	16			11	17	17	14	6	9	7	12		

Means followed by the same letter are not significantly different at the 5% level using Student's t test.

¹Springlake excluded from means.

TABLE 7: 2023 Western Regional Potato Variety Trial - SPECIFIC GRAVITY - EARLY AND LATE HARVEST

No. Clone	Specific Gravity - Early Harvest							Specific Gravity - Late Harvest										
	ID	OR	TX		WA	Entry		CA	CO	ID		OR	WA	Entry				
	PAR	HRM	DAL	SPR	OTH	Mean	Rank	TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean	Rank		
1 CLEARWATER R.	.	.	1.078	1.075	.	.	.	1.076	1.088	1.087	1.094	1.085	1.086	1.082	1.086	4	bcd	
2 RANGER R.	1.089	1.081	1.079	1.078	1.071	1.080	5	bc	1.078	1.088	1.082	1.086	1.072	1.083	1.080	1.081	10	def
3 R. BURBANK	1.079	1.081	1.059	1.073	1.067	1.072	14	d	1.070	1.077	1.069	1.077	1.066	1.075	1.073	1.072	14	g
4 A09086-1LB	1.088	1.087	1.079	1.086	1.076	1.083	2	b	1.082	1.102	1.089	1.095	1.084	1.088	1.087	1.089	2	b
5 A10594-4sto	1.089	1.086	1.074	1.087	1.074	1.082	3	b	1.072	1.091	1.079	1.087	1.085	1.085	1.078	1.082	9	de
6 A12169-5	1.087	1.078	1.081	1.081	1.070	1.079	7	bc	1.080	1.095	1.084	1.088	.	1.082	1.074	1.084	6	d
7 A12305-2adg	1.088	1.074	1.073	1.073	1.071	1.076	9	cd	1.078	1.092	1.082	1.094	1.071	1.084	1.079	1.083	8	de
8 A13036-12	1.080	1.080	1.073	1.077	1.068	1.076	9	cd	1.072	1.092	1.075	1.088	1.075	1.080	1.068	1.079	11	ef
9 AC12090-3RU	1.078	1.078	1.066	1.079	1.068	1.074	13	d	1.072	1.084	1.080	1.080	1.076	1.074	1.073	1.077	13	f
10 AFA5661-8	1.088	1.081	1.082	1.080	1.074	1.081	4	b	1.081	1.097	1.094	1.098	1.083	1.086	1.085	1.089	2	b
11 AOR11217-3	1.082	1.082	1.077	1.082	1.075	1.080	5	bc	1.082	1.090	1.075	1.086	1.084	1.087	1.082	1.084	6	d
12 AOR13064-2	1.090	1.077	1.078	1.082	1.071	1.079	7	bc	1.080	1.099	1.082	1.095	1.075	1.084	1.078	1.085	5	cd
13 CO13003-1RU	1.081	1.083	1.070	1.074	1.068	1.075	11	cd	1.078	1.086	1.078	1.087	1.074	1.079	1.074	1.079	11	ef
14 COTX08063-2Ru	1.109	1.098	1.098	1.097	1.085	1.097	1	a	1.091	1.111	1.107	1.106	1.099	1.096	1.097	1.101	1	a
15 R. NORKOTAH	1.079	1.075	1.060	1.076	1.070	1.072	14	d	1.067	1.065	1.072	1.074	1.070	1.087	1.071	1.072	14	g
16 SHEPODY	1.079	1.079	.	.	1.066	1.075	11	cd	.	.	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	1.074	1.072	1.058	.	1.064	1.067	16	d	1.063	1.075	.	1.080	1.066	1.070	1.066	1.070	16	g
Mean	1.085	1.081	1.074	1.080	1.071	1.078			1.076	1.090	1.082	1.088	1.078	1.083	1.078	1.082		

Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 8: 2023 Western Regional Potato Variety Trial - AVERAGE TUBER SIZE, AND TUBER SHAPE

No. Clone	Average Tuber Size (oz)														Tuber Shape (1-5 length/width ratio:1=round,5=lo)										Length/Width Ratio Location Means ¹										Ave Rnk										
	Early Trial							Late Trial							Early Trial					Late Trial					CA		CO		TX		ID		OR			WA ²									
	ID	OR	TX	WA	CA	CO	Mean	ID	OR	WA	CA	CO	Mean	OR	TX	WA	Mean	CA	CO	ID	OR	WA	Mean	TUL	SLV	DAL	SPR	AB	KIM	PAR	HRM	OTH	Mean	TUL		SLV	DAL	SPR	AB	KIM	PAR	HRM	OTH	Mean	
	PAR	HRM	DAL	SPR	OTH	Mean	TUL	SLV	AB	KIM	PAR	HRM	OTH	Mean	HRM	DAL	SPR	OTH	Mean	TUL	SLV	AB	KIM	HRM	OTH	Mean	TUL	SLV	DAL	SPR	AB	KIM	PAR	HRM		OTH	Mean	TUL	SLV	DAL	SPR	AB	KIM	PAR	HRM
1	CLEARWATER R.	.	.	4.6	3.1	.	3.8	6.6	6.5	5.5	4.9	8.0	8.2	6.9	6.7	.	4.2	3.6	.	3.9	4.0	3.0	3.6	3.5	3.0	3.0	3.4	1.77	1.76	1.78	1.76	1.84	1.98	1.71	1.68	1.55	11								
2	RANGER R.	6.7	6.0	5.4	4.7	6.7	5.9	6.9	6.0	7.6	7.9	7.7	8.1	8.7	7.5	5.0	4.5	4.5	4.0	4.5	5.0	5.0	5.0	4.4	4.5	4.0	4.6	2.18	2.29	2.04	1.98	2.42	2.16	1.98	2.09	1.97	1								
3	R. BURBANK	5.9	5.8	4.7	3.3	6.2	5.2	5.1	4.4	4.6	4.6	7.5	8.5	7.9	6.1	3.8	4.5	4.3	3.3	4.0	4.0	5.0	2.9	3.6	4.0	4.0	3.9	1.93	2.06	2.23	1.85	2.09	2.16	1.87	1.87	1.65	2								
4	A09086-1LB	6.2	5.5	6.1	4.6	5.4	5.6	6.1	5.8	7.5	6.2	8.8	9.8	7.6	7.4	3.0	4.2	4.3	3.0	3.6	4.0	3.0	3.6	3.5	3.5	3.0	3.4	1.76	1.60	1.59	1.63	1.82	1.88	1.65	1.77	1.61	12								
5	A10594-4sto	9.0	6.7	6.6	6.2	8.1	7.3	6.2	7.9	5.0	6.3	10.6	11.1	10.0	8.1	2.8	4.2	4.5	3.3	3.7	4.0	4.0	3.8	3.4	3.5	3.0	3.6	1.69	1.95	1.80	1.71	2.14	2.10	1.62	1.68	1.67	10								
6	A12169-5	11.7	8.1	6.3	5.8	9.2	8.2	9.2	7.5	11.6	10.2	.	12.0	11.1	10.3	2.5	3.8	4.2	2.7	3.3	4.0	3.0	3.6	3.4	3.0	3.0	3.3	1.67	1.67	1.59	1.61	1.80	1.68	1.50	1.62	1.56	15								
7	A12305-2adg	7.7	6.7	7.0	3.8	6.6	6.4	9.0	7.0	8.7	8.3	9.6	11.3	8.9	9.0	2.8	4.5	3.9	2.7	3.5	4.0	5.0	4.0	3.6	4.0	3.8	4.1	1.80	2.06	1.80	1.83	2.02	1.79	1.88	1.88	1.71	5								
8	A13036-12	9.5	9.5	8.4	4.9	9.8	8.4	10.0	8.5	9.3	10.3	11.8	15.9	11.5	11.0	3.3	4.3	3.6	3.0	3.5	3.0	2.0	3.3	3.5	2.5	2.3	2.8	1.50	1.38	1.57	1.49	1.54	1.65	1.50	1.56	1.47	16								
9	AC12090-3RU	6.8	5.6	5.5	4.4	6.4	5.7	7.3	5.0	5.2	4.6	8.3	7.2	8.0	6.5	3.8	4.4	4.2	4.0	4.1	4.5	4.0	3.6	3.5	4.5	4.0	4.0	2.07	1.85	1.90	1.80	1.83	1.96	1.85	1.97	1.72	4								
10	AFA5661-8	8.1	7.5	5.5	4.4	8.2	6.7	8.5	5.3	7.7	7.9	11.0	12.6	11.4	9.2	3.5	3.8	3.8	2.7	3.4	4.0	3.0	3.4	3.3	3.0	3.0	3.3	1.69	1.69	1.64	1.60	1.74	1.80	1.56	1.65	1.55	14								
11	AOR11217-3	7.3	5.4	5.4	2.8	6.7	5.5	6.9	5.1	6.2	7.4	8.6	8.8	7.8	7.3	3.8	4.1	3.8	4.0	3.9	4.0	3.0	4.1	3.4	3.5	4.0	3.7	1.81	1.76	2.04	1.88	2.08	2.07	1.85	1.91	1.81	3								
12	AOR13064-2	8.0	8.0	5.9	5.1	8.7	7.1	6.6	6.8	9.7	7.2	9.2	9.6	8.8	8.3	3.3	4.2	4.2	4.0	3.9	3.5	4.0	3.9	3.6	3.8	3.0	3.6	1.53	1.84	1.81	1.96	1.90	2.08	1.81	1.88	1.85	7								
13	CO13003-1RU	5.1	4.7	6.7	3.7	4.6	5.0	5.7	5.6	4.6	4.7	6.4	7.7	6.6	5.9	2.5	4.2	3.6	2.3	3.2	4.0	3.0	3.6	3.3	2.5	3.0	3.2	1.66	1.59	1.58	1.65	1.77	1.99	1.61	1.64	1.55	13								
14	COTX08063-2Ru	6.0	6.3	5.1	5.4	5.5	5.7	6.5	4.7	3.4	4.2	6.8	7.6	7.1	5.8	4.0	4.2	4.3	3.7	4.1	4.5	4.0	3.3	3.3	3.5	3.0	3.6	1.88	1.85	1.92	1.91	1.79	1.95	1.64	1.81	1.71	8								
15	R. NORKOTAH	6.5	5.8	7.1	8.1	5.9	6.7	6.0	3.5	3.9	5.5	7.7	8.3	9.8	6.4	3.3	4.6	4.6	4.0	4.1	4.0	4.0	3.4	3.5	2.5	3.0	3.4	1.80	1.96	1.93	1.76	1.92	2.02	1.74	1.71	1.55	9								
16	SHEPODY	6.0	8.2	.	.	5.5	6.6	3.8	.	.	4.0	3.9	2.09	1.85	.	.							
17	COTX10080-2Rus	4.1	5.2	7.3	.	5.1	5.4	5.8	6.7	.	4.9	8.4	6.7	6.9	6.6	3.1	4.5	.	4.0	3.9	4.5	3.0	.	4.0	2.5	4.0	3.6	2.00	1.78	1.90	.	.	1.83	1.91	1.78	1.82	6								
	Mean	7.2	6.6	6.1	4.7	6.8	6.2	7.0	6.0	6.7	6.6	8.7	9.6	8.7	7.6	3.4	4.3	4.1	3.4	3.8	4.1	3.6	3.7	3.5	3.4	3.3	3.6	1.80	1.82	1.82	1.76	1.91	1.94	1.75	1.79	1.67									

¹Parma and Hermiston; combined means of Early Harvest and Later Harvest Trials.

²Washington reported means of 1.74 for Idaho samples and 1.69 for Oregon Late Harvest samples.

TABLE 9: 2023 Western Regional Potato Variety Trial - EXTERNAL DEFECTS MEANS OF LOCATIONS - GROWTH CRACKS, SECOND GROWTH, SHATTER BRUISE, SCAB AND GREENING¹

No. Clone	Growth Cracks		Second Growth		Shatter Bruise			Scab		Greening
	Early Trial	Late Trial	Early Trial	Late Trial	Early Trial	Late Trial	Ab ²	Early Trial	Late Trial	Late Trial
1 CLEARWATER R.	5.0	5.0	4.5	4.7	5.0	4.3 OTH 3.0	2.9	5.0	4.9	3.9
2 RANGER R.	4.8	4.3	4.8	4.4 SLV 3.0	5.0	4.9	2.7	4.8	4.8	3.6 SLV 2.0
3 R. BURBANK	4.7	4.7	3.4 OTH 3.0	3.9	4.9	4.3 OTH 3.0	2.5	4.9	4.7	4.3
4 A09086-1LB	5.0	4.9	4.8	4.6	4.7	3.9 OTH 2.0	2.6	4.8	4.6	4.0
5 A10594-4sto	4.8	4.5	4.4	.	4.9	.	2.7	4.9	.	4.1
6 A12169-5	4.7	3.6 KIM 3.0 OTH 3.0	4.8	4.6	4.9	4.5	3.2	4.9	4.8	4.0
7 A12305-2adg	4.9	4.6	4.7	4.7	4.9	4.3 OTH 3.0	2.7	4.9	4.6	4.5
8 A13036-12	4.9	4.7	4.8	4.6	4.5	3.5 OTH 2.0	2.3	5.0	4.8	4.2
9 AC12090-3RU	5.0	5.0	4.9	4.5 TUL 3.0	4.8	3.9 OTH 2.0	2.8	4.8	4.8	3.1 OTH 2.0
10 AFA5661-8	5.0	4.9	4.8	4.4	5.0	4.4	3.7	4.9	4.8	4.3
11 AOR11217-3	4.9	4.7	4.8	4.5	5.0	4.5	2.5	4.9	4.5	4.0
12 AOR13064-2	4.8	4.7	4.7	4.7	4.9	4.4	3.2	4.9	4.4 OTH 3.0	3.7
13 CO13003-1RU	4.5 PAR 3.7	4.4	4.9	4.8	4.9	4.5	2.1	4.9	4.7	4.3
14 COTX08063-2Ru	4.7	4.7	4.9	4.9	4.6	3.8 OTH 2.0	3.1	4.9	4.9	4.1
15 R. NORKOTAH	5.0	4.8	4.8	4.7	5.0	4.6	3.5	4.8	4.9	4.4
16 SHEPODY	4.7	.	3.3 OTH 2.7	.	5.0	.	.	4.8	.	.
17 COTX10080-2Rust	4.9	4.2	5.0	4.9	5.0	4.7	.	4.8	4.8	3.8
Mean	4.8	4.6	4.6	4.6	4.9	4.3	2.8	4.9	4.7	4.0

¹All scores [1-5(none)]. Individual trial sites with relatively extreme values are listed to the right of the entry means.

²Aberdeen shatter scores reflect dropping from shatter chamber [1-5(none)].

TABLE 10: 2023 Western Regional Potato Variety Trial - INTERNAL DEFECTS MEANS OF LOCATIONS - HOLLOW HEART/BROWN CENTER, INTERNAL BROWN SPOT, VASCULAR DISCOLORATION/NET NECROSIS, AND BLACKSPOT¹

No. Clone	Percent Hollow Heart Plus Brown Center		Percent Internal Brown Spot		Percent Net Necrosis/ Vascular Discoloration		Blackspot Bruise [(1-5(NONE))]			ID ²
	Early Trial	Late Trial	Early Trial	Late Trial	Early Trial	Late Trial	Early Trial	Late Trial		
1 CLEARWATER R.	0	1	0	1	8	1	5.0	4.5	3.5	
2 RANGER R.	2	0	1	2	7	3	4.8	4.4	1.4	
3 R. BURBANK	5	9 KIM 28	1	2	4	1	4.8	4.4	2.6	
4 A09086-1LB	2	0	0	1	9 HRM 33	2	4.8	4.3	1.5	
5 A10594-4sto	17	7	2	2	5	.	4.9	4.7	.	
6 A12169-5	2	0	1	1	14 SPR 20	4 TUL 17	4.9	4.5	3.9	
7 A12305-2adg	1	0	0	1	8 HRM 33	1	4.9	4.8	2.3	
8 A13036-12	9 DAL 33	4	3	1	10 SPR 20	2	4.8	4.3	3.2	
9 AC12090-3RU	3	1	0	1	6	0	4.6	4.6	2.6	
10 AFA5661-8	0	0	0	3 PAR 17	5 HRM 20	2	4.9	4.7	2.5	
11 AOR11217-3	4	4	1	1	6	2	4.8	4.7	3.7	
12 AOR13064-2	0	7 TUL 33	3	2	4	2	4.8	4.5	2.5	
13 CO13003-1RU	14 PAR 30	15 PAR 60 KIM 28	9 PAR 17 DAL 20	1	2	1	4.5	4.0 HRM 3.0	1.3	
14 COTX08063-2Ru	7 SPR 33	0	0	1	6	2	4.9	4.7	2.0	
15 R. NORKOTAH	1	1	0	1	9	1	4.9	4.6	2.4	
16 SHEPODY	5	.	0	.	8	.	4.0 HRM 3.0	.	.	
17 COTX10080-2Rus	3	3	1	1	0	2	4.7	4.9	2.7	
Entry Means	4	3	1	1	7	2	4.8	4.5	2.5	

¹All scores [1-5(none)]. Individual trial sites with relatively extreme values are listed to the right of the entry means.

²Aberdeen and Kimberly Idaho; blackspot scores reflect abrasive peel test [1-5(none)].

TABLE 11: 2023 Western Regional Potato Variety Trial - FRENCH FRY COLOR (00-4.0(darkest)) AND PERCENT SUGAR ENDS

No. Clone	Field Fry					Fry 45				Fry 40		% Sugar Ends ¹		
	CO	OR	OR	WA	Entry Mean	CO	OR	WA	Entry Mean	OTH	Entry Mean	OR		Entry Mean
	SLV	HRM	HRM	OTH		SLV	HRM	OTH				HRM	L	
L	E	L	L	L	L	L	L	L	L	E	L	L		
1 CLEARWATER R.	0	.	0.2	1	0.4	0	0.1	0	0.0	3.0	3.0	.	13	13
2 RANGER R.	1	0	0.2	0	0.4	2	0.7	0	0.9	3.0	3.0	0	29	15
3 R. BURBANK	1	0	0.4	1	0.7	2	0.6	1	1.2	4.0	4.0	4	17	11
4 A09086-1LB	0	0	0.0	1	0.3	0	1.0	2	1.0	4.0	4.0	4	25	15
5 A10594-4sto	1	0	0.3	0	0.3	1	0.5	0	0.5	2.0	.	21	4	12
6 A12169-5	1	0	0.0	0	0.3	0	0.4	0	0.1	3.0	3.0	8	0	4
7 A12305-2adg	0	0	0.0	1	0.3	1	0.8	2	1.3	4.0	4.0	21	8	14
8 A13036-12	0	0	0.0	0	0.0	0	0.4	0	0.1	1.0	1.0	4	8	6
9 AC12090-3RU	2	1	0.8	0	0.8	2	1.1	2	1.7	4.0	4.0	13	4	8
10 AFA5661-8	0	0	0.2	0	0.1	1	0.9	0	0.6	2.0	2.0	8	8	8
11 AOR11217-3	1	0	0.0	0	0.3	1	0.5	0	0.5	3.0	3.0	13	17	15
12 AOR13064-2	0	0	0.0	0	0.0	0	0.1	0	0.0	0.0	0.0	0	21	11
13 CO13003-1RU	0	0	0.4	0	0.2	1	1.0	4	1.8	4.0	4.0	33	4	19
14 COTX08063-2Ru	0	0	0.0	0	0.0	0	0.3	0	0.1	2.0	2.0	0	0	0
15 R. NORKOTAH	3	1	0.5	.	1.3	3	0.3	.	1.6	.	.	13	0	6
16 SHEPODY	.	0	.	.	0.0	.	.	.	.	.	.	0	.	0
17 COTX10080-2Rusto	1	0	0.0	.	0.4	1	0.8	.	0.9	.	.	0	4	1
Mean	0.6	0.2	0.2	0.3	0.3	0.9	0.6	0.8	0.8	2.8	2.8	9	10	9

¹ Evaluations from 45F.

Storage protocol prior to frying

Aberdeen - 1 week from 50F to 45F; 2 weeks from 50F to 40F; and 8 weeks @ 45F and 10 weeks @ 40F.

Hermiston - 2 weeks from 55F to 47 F, and 8 weeks @ 47F.

Kimberly - 1 week from 50F to 45F; 2 weeks from 50F to 40F; and 6 weeks @ 45F and 8 weeks @ 40F.

Othello - 3 weeks from 55F to 44F and 60 days @ 44F and 40F.

San Luis Valley - 4 weeks from 55F to 45F, and 7 weeks @ 45.

* Comprehensive post harvest evaluations of entries can be found in the 2023 Potato Cultivar Yield & Post Harvest Quality Evaluations - Washington State University. Contact: Jake Blauer www.potatoes.wsu.edu

TABLE 12: 2023 Western Regional Potato Variety Trial - Washington State University Postharvest Storage Trials - FRENCH FRY COLOR

No. Clone	PRIOR TO STORAGE*				48°F, 60 days*				44°F, 45 days*				40°F, 60 days*				RECONDITIONED*				BLANCHED				
	WA	ID	OR	Mean	WA	ID	OR	Mean	WA	ID	OR	Mean	WA	ID	OR	Mean	WA	ID	OR	Mean	WA	ID	OR	Mean	
1 CLEARWATER R.	1	0	0	0.3	0	0	0	0.0	0	1	0	0.3	3	2	0	1.7	1	2	0	1.0	1	0	0	0.3	
2 RANGER R.	0	0	0	0.0	0	0	0	0.0	0	1	0	0.3	3	3	2	2.7	2	2	2	2.0	2	1	1	1.3	
3 R. BURBANK	1	1	0	0.7	1	1	0	0.7	2	3	1	2.0	4	4	3	3.7	3	3	3	3.0	3	3	1	2.3	
4 A09086-1LB	1	2	0	1.0	1	1	0	0.7	2	2	2	2.0	4	3	3	3.3	3	3	2	2.7	3	2	2	2.3	
5 A10594-4sto	0	0	0	0.0	0	0	0	0.0	1	0	0	0.3	2	3	1	2.0	1	2	1	1.3	0	1	0	0.3	
6 A12169-5	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0	3	0	0	1.0	1	0	0	0.3	1	0	0	0.3	
7 A12305-2adg	1	1	0	0.7	1	2	0	1.0	2	2	1	1.7	4	3	3	3.3	3	4	3	3.3	2	2	1	1.7	
8 A13036-12	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0	1	0	0	0.3	0	0	0	0.0	0	0	0	0.0	
9 AC12090-3RU	0	1	0	0.3	1	1	0	0.7	2	2	0	1.3	4	3	2	3.0	3	4	2	3.0	3	3	1	2.3	
10 AFA5661-8	0	1	0	0.3	0	0	0	0.0	0	1	0	0.3	2	2	1	1.7	1	2	0	1.0	1	1	0	0.7	
11 AOR11217-3	0	0	0	0.0	0	0	0	0.0	0	1	0	0.3	3	3	1	2.3	1	2	0	1.0	1	1	0	0.7	
12 AOR13064-2	0	0	0	0.0	0	0	0	0.0	0	0	0	0.0	0	1	0	0.3	0	0	0	0.0	0	0	0	0.0	
13 CO13003-1RU	0	2	0	0.7	3	2	0	1.7	4	3	2	3.0	4	4	4	4.0	4	3	3	3.3	4	3	2	3.0	
14 COTX08063-2Ru	0	.	0	0.0	0	.	0	0.0	0	.	0	0.0	2	.	1	1.5	1	.	0	0.5	1	.	0	0.5	
15 R. NORKOTAH
16 SHEPODY
14 COTX10080-2Rusto	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Mean	0.3	0.6	0.0	0.3	0.5	0.5	0.0	0.3	0.9	1.2	0.4	0.8	2.8	2.4	1.5	2.2	1.7	2.1	1.1	1.6	1.6	1.3	0.6	1.1	

*Reconditioned - 21 days at 60 F following 60 days at 40 F; Samples from all states stored together at WSU

*USDA values - 0 (light) to 4 (dark); 12 tubers per sample

TABLE 13: 2023 Western Regional Potato Variety Trial - DISEASE EVALUATION AND METRIBUZIN REACTION

No.	Clone	Vert. Wilt/ Early Dying			Early Blight AB ¹		Late Blight Corvallis ⁴			Common Scab AB ¹			Pectobacterium Prosser			Fusarium	Soft	Metribuz. C. Root			
		AB ¹		HRM ²	TUL ³	Foliar		Foliar	Tuber	HRM	% Serious	Corky Ringspot		Dry Rot ¹ (0-5)	Rot ¹	React. ⁶	Knot				
		(0-9)	AUDPC	(0-9)AUDPC	AUDPC	(0-9)	AUDPC	(1-9)	AUDPC	%	%PVY	Incid.	Defect	% Incid	DSI ⁵	F(sam)	(0-5)	AB	Nem. ⁷		
1	CLEARWATER R.	4.0	72	2.7	98	184	4.0	78	6.7	1406	40	95	0	0	65	54	S	5.0	2.0	R	S
2	RANGER R.	5.7	297	4.7	212	321	5.7	242	9.0	1982	35	95	12	10	54	41	S	2.9	1.7	R	S
3	R. BURBANK	6.7	363	5.0	254	1281	5.7	230	9.0	1975	28	75	0	0	60	44	S	2.7	1.1	R	S
4	A09086-1LB	4.3	148	3.3	336	645	4.0	85	5.0	620	5	62	22	43	61	49	S	4.4	2.2	MR	S
5	A10594-4sto	8.0	788	5.5	308	1610	7.0	389	6.0	1064	23	0	16	12	50	35	S	4.1	2.2	MS	S
6	A12169-5	3.0	48	3.5	114	315	3.0	47	6.0	1121	18	50	18	10	na	na	na	4.3	1.3	R	S
7	A12305-2adg	5.0	192	4.5	223	321	5.0	201	5.2	732	15	0	30	11	53	35	S	4.4	2.1	MR	S
8	A13036-12	4.3	92	5.0	305	532	5.0	157	6.0	1269	28	50	21	8	na	na	na	4.6	1.5	R	S
9	AC12090-3RU	6.0	235	7.7	534	285	6.3	376	na	ND	ND	50	10	11	45	36	S	4.7	2.9	MS	S
10	AFA5661-8	4.7	198	4.7	572	195	4.7	220	4.5	517	13	50	14	10	73	63	S	4.0	1.3	MR	S
11	AOR11217-3	4.7	151	4.0	153	640	5.0	183	9.0	1987	35	50	3	0	68	52	S	4.3	1.8	MR	S
12	AOR13064-2	5.7	297	5.3	455	915	5.3	128	6.5	1195	33	50	5	10	69	58	S	3.7	1.5	MS	S
13	CO13003-1RU	5.3	205	3.7	142	485	4.7	158	na	ND	ND	50	24	10	64	53	S	4.7	2.9	MS	S
14	COTX08063-2Ru	8.0	834	3.5	107	670	7.3	350	8.3	1641	28	50	40	5	77	63	S	4.7	2.7	VS	S
15	R. NORKOTAH	9.0	525	na	na	2032	9.0	722	9.0	1653	25	na	11	4	43	32	S	3.1	1.7	MR	na
16	SHEPODY	6.7	525	na	na	.	6.3	408	na	na	na	na	20	7	na	na	na	4.1	2.1	VS	na
17	COTX10080-2Rustc	3.0	24	3.7	133	480	4.3	73	8.0	1653	25	5	0	0	63	60	S	4.5	1.1	VS	S
Entry Means		5.5	294	4.4	263	682	5.4	238	7.0	1344	25	49	15	9	60	48		4.1	1.9		
LSD (.05)		1.2					1.4		0.9	306	18							1.1	1.2		

¹ Evaluations made at Aberdeen, Idaho by Jonathan Whitworth; scale as indicated with highest number being most severe. For 0 to 9: 0=no symptoms; 1= trace; 2=1-5%; 3=5-10%; 4=10-20%; 5=25-40%; 6=40-60%; 7=60-70%; 8=75-90%; 9=90-100% dead or dying with typical disease symptoms.

AUDPC: Area Under the Disease Progress curve based on foliar readings taken 104, 111, and 117 days after planting.

Common Scab and Net Necrosis serious defects are number of tubers with a 3 rating (0-5 scale) or higher, divided by total number of tubers examined.

For 0 to 5: 0=0%/none; 5=100%/severe as a combination of tuber area and degree impacted by Fusarium and Pectobacterium inoculations.

² Evaluations made at Hermiston, Oregon; scale as indicated with highest number being most severe. Readings 120 days after planting. AUDPC based on foliar readings taken 91, 106, and 121 days after planting.

⁴ Evaluations made at Corvallis, Oregon by Solomon Ratings are averages for 4 reps: 1 = no foliar injury; 2 = 1-5% injury; 3 = 5-10% injury; 4 = 10-20%; 5 = 25-40%; 6 = 40-60%; 7 = 60-75%; 8 = 75-90%; 9 = 90-100% injury. Percent of late blight infected tubers at harvest based on 10 randomly selected tubers per replication.

⁵ Visual readings made at Prosser, Washington by Rich Quick and Launa Cimrhakl: tubers cut lengthwise, quartered and scored (0-8) based on the number of wedge sides affected. Disease Severity Index (DSI) was calculated for each replication by summing the scores (S) of each tuber evaluated (T) and dividing that number by the number of tubers evaluated multiplied by the worst possible score (8) and multiplying by 100. $DSI = (\sum S)/(T*8)*100$

TRV Disease Rating Based on %DSI:R=Extreme Resistance (0-1%);MR=Moderate Resistance (1.1-5%);MS=Moderately Susceptible (5.1-10%);S=Susceptible (10.1+%)

⁶ Evaluations made at Aberdeen, Idaho; R=Resistant, MR=Moderately Resistant, S=Susceptible, MS=Moderately Susceptible, VS=Very Susceptible

⁷ Columbia root knot nematode ratings from Hermiston, OR provided by Sagar Suthavalli; S= over 50 dots; MS less than 20 and 40 dots; MR 5 and 20

TABLE 14: 2023 Western Regional Potato Variety Trial - SOLIDS, DEXTROSE, SUCROSE, PROTEIN, VITAMIN C,
AND GLYCOALKALOIDS - ABERDEEN

No. Clone	Solids Oven Dry %	Sugars		Protein (%DWB) ¹	Vitamin C (mg/100g FWB) ¹	Texas ²		Glycoalkaloids ⁵ (mg/100g FWB) ¹
		Dextrose (%FWB) ¹	Sucrose (%FWB) ¹			µg Trolox equivalents/gfw ³	AOA Levels ⁴	
1 CLEARWATER R.	21.2	0.05	0.12	4.9	27.5	169.8	M	2.1
2 RANGER R.	20.5	0.11	0.18	5.1	35.0	225.1	M	3.6
3 R. BURBANK	18.1	0.08	0.13	4.3	18.6	160.3	M	2.1
4 A09086-1LB	21.0	0.04	0.11	5.6	26.4	151.9	M	2.4
5 A10594-4sto	20.8	0.05	0.06	5.2	21.9	144.7	M	3.8
6 A12169-5	19.4	0.09	0.11	6.8	18.2	72.4	L	7.6
7 A12305-2adg	21.0	0.05	0.17	7.2	23.9	116.0	L	2.9
8 A13036-12	18.9	0.02	0.12	7.1	21.3	131.6	M	5.4
9 AC12090-3RU	19.8	0.10	0.08	4.9	27.1	180.4	M	3.4
10 AFA5661-8	21.7	0.09	0.17	6.4	29.8	105.1	L	6.0
11 AOR11217-3	19.6	0.04	0.09	6.2	25.5	147.9	M	2.5
12 AOR13064-2	21.4	0.03	0.13	6.3	21.5	94.9	L	6.5
13 CO13003-1RU	19.8	0.02	0.08	4.7	19.7	147.6	M	1.5
14 COTX08063-2Ru	24.8	0.03	0.14	5.9	30.1	167.2	M	3.4
15 R. NORKOTAH	19.2	0.06	0.07	4.5	22.3	302.4	H	3.1
16 SHEPODY	.	.	.	.	.	.	.	.
17 COTX10080-2Rusto	.	.	.	.	.	155.5	M	.
Mean	20.5	0.06	0.12	5.7	24.6	154.5		3.7

¹ DWB = Dry Weight Basis; FWB = Fresh Weight Basis

² The assay used at Texas A&M University was based on "Use of a Free Radical Method to Evaluate Antioxidant Activity" by Brand-Williams, et al. 1995, Levensm. Wiss. Technol. 28:25-30. Antioxidants soluble in methonal were extracted and allowed to react with the stable radical, 2,2,-Diphenyl-1-picrylhydrazyl (DPPH). This provided a rapid evaluation of the antioxidant properties of the potato extracts based on absorbance.

³ µg Trolox equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: $y = -.282*(x)+309.72$

⁴ VH=very high (>417), H=high (416-302), M=medium (301-127), L=low (127-67), VL=very low (<66) n=70 including fourteen check varieties

⁵ Glycoalkaloids: The 2023 Lenape check grown at Aberdeen was 57.6 mg/100g

TABLE 15: 2023 Western Regional Potato Variety Trial - MERIT SCORES [1-5(best)]

No. Clone	Post-Harvest																							
	Process Merit								Process		Fresh Merit													
	CO	OR		WA		Early	Late	WA ¹	CA	CO	ID		OR		TX		WA		Early	Late				
	SLV	HRM		OTH		Trial	Trial			3 State	TUL	SLV	AB	KIM	HRM		DAL	SPR	OTH		Trial	Trial		
L	E	L	E	L	Mean(Rnk)	Mean(Rnk)	Mean	L	L	L	L	E	L	E	E	E	L	Mean(Rnk)	Mean(Rnk)					
1 CLEARWATER R.	4.5	.	3.2	.	3.0	.	.	3.6	3	3.4	3.5	2.6	3.1	3.5	.	2.5	3.9	3.7	.	3.0	.	.	3.0	4
2 RANGER R.	3.5	2.0	3.0	2.1	3.2	2.1	12	3.2	9	3.5	3.0	1.3	2.1	2.0	3.0	2.0	3.7	3.9	2.1	3.2	3.2	4	2.3	15
3 R. BURBANK	3.0	2.5	2.5	1.4	1.9	2.0	14	2.5	14	2.3	3.0	2.0	1.4	1.6	2.5	2.0	3.4	3.6	1.4	1.9	2.7	15	2.0	16
4 A09086-1LB	4.5	2.0	3.5	1.8	2.7	1.9	16	3.6	3	2.7	2.5	2.9	2.4	2.5	3.0	3.0	3.8	4.4	1.8	2.7	3.2	4	2.7	11
5 A10594-4sto	4.0	2.5	3.0	1.6	3.6	2.1	12	3.5	6	3.8	3.0	3.0	3.4	3.4	3.0	3.0	3.9	4.2	1.6	3.6	3.2	4	3.2	2
6 A12169-5	3.5	2.5	3.0	2.0	3.2	2.3	8	3.2	9	3.9	3.0	2.4	2.5	2.6	3.0	2.5	3.6	3.7	2.0	3.2	3.1	9	2.7	11
7 A12305-2adg	4.0	3.0	3.5	3.5	1.8	3.3	1	3.1	11	2.6	4.0	3.0	3.0	3.4	2.5	3.5	4.1	3.7	3.5	1.8	3.5	2	3.1	3
8 A13036-12	4.5	2.5	3.5	2.3	3.3	2.4	7	3.8	2	3.9	2.5	3.3	2.8	2.5	2.5	2.5	3.5	3.6	2.3	3.3	3.0	12	2.8	9
9 AC12090-3RU	3.0	3.0	2.0	1.6	2.4	2.3	8	2.5	14	2.8	2.5	3.6	3.9	4.1	2.0	3.0	3.8	4.3	1.6	2.4	2.9	14	3.3	1
10 AFA5661-8	4.0	2.5	3.0	2.2	3.3	2.3	8	3.4	7	3.3	3.0	2.4	3.1	2.5	3.0	2.5	3.6	4.0	2.2	3.3	3.2	4	2.8	9
11 AOR11217-3	3.6	3.0	3.0	3.1	3.6	3.0	3	3.4	7	3.7	3.5	2.9	2.4	2.3	3.0	3.0	3.7	3.6	3.1	3.6	3.4	3	2.9	7
12 AOR13064-2	4.5	3.0	3.5	3.7	3.9	3.3	1	4.0	1	4.4	3.0	2.1	3.0	2.9	3.0	3.0	3.6	4.0	3.7	3.9	3.6	1	3.0	4
13 CO13003-1RU	4.5	3.0	2.5	2.1	0.9	2.6	5	2.6	13	1.8	4.0	3.3	3.4	3.4	2.5	3.0	4.1	3.8	2.1	0.9	3.1	9	3.0	4
14 COTX08063-2Ru	5.0	3.0	3.0	1.4	2.9	2.2	11	3.6	3	3.5	2.5	2.6	2.9	2.4	3.0	3.0	4.1	4.0	1.4	2.9	3.1	9	2.7	11
15 R. NORKOTAH	2.0	3.0	3.0	2.6	.	2.8	4	2.5	14	.	3.5	2.5	2.9	3.5	1.5	2.0	4.2	4.6	2.6	.	3.2	4	2.9	7
16 SHEPODY	.	2.0	.	.	.	2.0	.	.	.	.	.	.	.	.	2.5	.	.	.	.	.	2.5	.	.	.
17 COTX10080-2Rustc	3.6	2.5	2.0	.	.	2.5	6	2.8	12	.	3.5	3.0	.	1.8	1.5	2.0	4.5	.	.	.	3.0	12	2.6	14
Mean	3.9	2.6	3.0	2.2	2.8	2.4	8	3.2			3.1	2.7	2.8	2.8	2.6	2.7	3.8	3.9	2.2	2.8	3.1	7.1	2.8	

¹ Score based upon Idaho, Oregon, and Washington Late Trial samples evaluated postharvest at Washington State University. (www.potatoes.wsu.edu) Scale [1-5(best)]

TABLE 16: 2023 Western Regional Potato Variety Trial - ENTRY SUMMARY1

Entry No.Clone	Year In Use Trial	US Total Yield ²	US #1's Yield ²	US % #1's ²	Tuber Size (oz)		Specific Gravity ²	Combine(E&L) Merit Score ³			Observations	Disp. 2023
					Early	Late		Fry45	Color	Process			Fresh
1 CLEARWATER R.	- Dual	546	465	84	3.8	6.7	1.086	0.0	3.6	3.2		Check
2 RANGER R.	- Dual	517	405	76	5.9	7.5	1.081	0.9	2.8	2.6		Check
3 R. BURBANK	- Fresh	467	339	69	5.2	6.1	1.072	1.2	2.3	2.2		Check
4 A09086-1LB	2 Dual	652	551	83	5.6	7.4	1.089	1.0	2.9	2.9	High total yields (E&L); Vert/early die, early blight, and late blight resistant; common scab susceptible with higher % of serious defect; high process merit (L).	Check
5 A10594-4sto	2 Proc	457	388	85	7.3	8.1	1.082	0.5	2.9	3.2	Hollow heart (E); Good fry colors from 40 & 45F and from 40 & 44F @ WSU; PVY resistant; Vert/early die, and early blight susceptible; high fresh merit (L).	Check
6 A12169-5	1 Dual	566	461	82	8.2	10.3	1.084	0.1	2.8	2.8	High yield and % of >10 oz (E&L) and also reflected in large average tuber size (E&L); more rounded tuber with lower shape rating & L:W; Growth cracks(L)-Kimberly & Othello; Net Necrosis/Vasc. Discolor (E); Good fry colors from 40 & 44F @ WSU; Vert/early die, early blight, and soft rot resistant	
7 A12305-2adg	2 Dual	652	589	90	6.4	9.0	1.083	1.3	3.2	3.2	High total (E&L) & US No. 1 (E&L) yields; high % US No. 1's (E&L); high yield and % > 10 oz (L); Vert/early die, late blight, and PVY resistant; common scab higher % of incidence; higher protein; High process and fresh merit (E) and fresh merit (L).	
8 A13036-12	1 Dual	631	542	87	8.4	11.0	1.079	0.1	3.2	2.9	High total (E&L) and US No. 1 yields (L); High yield and % of >10 oz (E&L) and also reflected in large average tuber size (E&L); more rounded tuber with lower shape rating & L:W; Good fry colors from 40 & 45F and from 40 & 44F @ WSU; early blight and soft rot resistant; higher protein; high process merit (L).	
9 AC12090-3RU	2 Dual	498	392	77	5.7	6.5	1.077	1.7	2.4	3.2	soft rot susceptible; high fresh merit (L)	
10 AFA5661-8	2 Fresh	565	477	83	6.7	9.2	1.089	0.6	3.0	2.9	More rounded tuber with lower shape rating & L:W; Good fry colors from 40 & 45F and from 40 & 44F @ WSU; Vert/early die, late blight, and soft rot resistant; higher Vit. C;	
11 AOR11217-3	2 Proc	528	436	80	5.5	7.3	1.084	0.5	3.3	3.1	Vert/early die, and common scab resistant; high process and fresh merit (E).	
12 AOR13064-2	1 Dual	511	436	85	7.1	8.3	1.085	0.0	3.7	3.2	Excellent fry colors from 40 & 45F and from 40 & 44F @ WSU; early blight and common scab resistant; Vert/early die susceptible; High process & fresh merit (E) and process (L); High post-harvest processing rating-WSU.	
13 CO13003-1RU	2 Dual	502	412	80	5.0	5.9	1.079	1.8	2.6	2.9	Low yield and percentage of >10 oz (E&L); also reflected in high % and yield of <4 oz with small average tuber size (E&L); more rounded tuber with lower shape rating & L:W; Hollow Heart (E&L); Internal brown spot (E)-Parma & Dalhart; Blackspot bruise-Hermiston & Aberdeen; Poor Fry color from 44F-WSU; Vert/early die and early blight resistant; soft rot susceptible; Poor post-harvest processing rating-WSU.	
14 COTX08063-2Ru	1 Dual	434	337	73	5.7	5.8	1.101	0.1	3.1	2.9	Low yield and percentage of >10 oz (L); also reflected in high % and yield of <4 oz (E&L) with small average tuber size (L); High SG (E&L); Good fry colors from 40 & 45F and from 40 & 44F @ WSU; early blight and metribuzin susceptible; higher incidence of common scab; higher Vit. C.	
15 R. NORKOTAH	- Dual	486	405	77	6.7	6.4	1.072	1.6	2.7	3.0		Check
16 SHEPODY	- Dual	436	312	72	6.6	.	1.075	.	2.0	2.5		Check
17 COTX10080-2Rust	1 Dual	470	384	79	5.4	6.6	1.070	0.9	2.7	2.5	Low yield and percentage of >10 oz (E) and high % and yield of < 4 oz (E); low SG (E&L); Vert/early die, early blight, common scab, and soft rot resistant; Lower fresh merit (E & L).	
Mean		524	431	80	6.2	7.6	1.082	0.8	2.9	2.9		

¹ Numeric values represent means across all trial locations.

² Data shown from late trial results unless early trial entry only. (Entry 16)

³ Data shown from combined early & late trial results.

TABLE 18: 2023 Western Regional Potato Variety Trial - ENTRY COMMENTS - EARLY HARVEST

		Entry Comments - Early Harvest			
No Clone	ID PAR	TX DAL	TX SPR	OR' HRM	WA OTH
1	Clearwater Russet				
2	Ranger Russet	curved, typical			
3	Russet Burbank	smooth, typical			
4	A09086-1LB	blocky			
5	A10594-4sto	round, irregular			
6	A12169-5	alligator hyde			
7	A12305-2adg	blocky, pointed			
8	A13036-12	pear shape			
9	AC12090-3RU	bulgy eyes, pink eyes			
10	AFA5661-8	curved, typical, bulging			
11	AOR11217-3	folded ends			
12	AOR13064-2	alligator hyde			
13	CO13003-1RU	blocky			
14	COTX08063-2Ru	bulging eyes			
15	Russet Norkotah	blocky			
16	Shepody	typical			
17	COTX10080-2Rus	pear shape			

TABLE 19: 2023 Western Regional Potato Variety Trial - ENTRY COMMENTS - LATE HARVEST

No. Clone	CA TUL	CO SLV	ID ¹			OR ¹ HRM	WA OTH
			AB	KIM	PAR		
1 Clearwater Russe	Check	-	Typy (3); uniform, points (2)	Small, typy, uniform (4)	blocky	doty-pixel x4, typy x4, pty x3, lenticels x2, chain x2, sticky, flakey, flat, nipple , P.S, rhizoc	Typey, flat, nice skin, smaller, medium russet.
2 Ranger Russet	Check	-	Misshapen (4); curves (3); points, few flat (2)	Curves, misshapen (4); points, few flat (2)	curved	curvy x4, bottle x3, pty x3, rot x3, pixel,sticky, db, deep eyes	Good length, a bit flat, deep eyes, a bit mishapen.
3 Russet Burbank	Check	-	Points (3); some misshapen (2)	Bad knobs (4); misshapen, points (3)	blocky	pty x4, bottle x3, irregular x3, nipple x2, deep eyes x2, patchy russet x2, rot, knobs, curvy, deep eyes,	Some typy, lots of irregular shapes.
4 A09086-1LB	Light russeting, patchy heavier russetina,	rough	Patchy/ugly skin (4); big, typy (3); lumpv (2)	Patchy skin (4); lumpy (3); deeper eyes, points (2)	blocky	typy x4, flakey x4, rot x3 deep eyes x2 , sticky x2, spr x2, nice, short	Variable shapes and bad skin.
5 A10594-4sto	Nice shape, uniform	pointed	Typy (4); good length, uniform, smaller (2)	Points, blocky, typy (2)	patchy russet, bulging eyes	pear x3, blocky x2, lenticels x2 ,sticky x2, bottle x2, , pty x2, XL x2, chain, stripey, flakev, folded, knobs, areenina, FBE, spr, pty x4, bottle x4, folded x2, deep eyes x2, triangle x2, irregular x2|pear x2, P.S, FBE, XL, rot, spr, bruised, pink, rhizoc ,	Larger, shape irregular, feathery skin, spotty skin.
6 A12169-5	Irr shaped, poor uniformity	GC*, vas. ring dark-Fry45, dry rot, Good size,	Typy, deep eyes, points (3); lumpy (2)	Big (4); blocky, slight shatter, nice skin (2)	.	pty x4, bottle x4, folded x2, deep eyes x2, triangle x2, irregular x2|pear x2, P.S, FBE, XL, rot, spr, bruised, pink, rhizoc ,	Shape highly irregular, large, deep eyes, discard.
7 A12305-2adg	fresh market appeal	Good size, typey	Points (4); nice russet, typy (3); uniform (2)	Typy (3); uniform, few points (2)	curved, pointed	pty x4, curvy x4, rot x4, bottle x3, typy x2, sticky x2, skinny , SB, tip ac	Good length, shape a bit irregular, bad skin set.
8 A13036-12	pink eyes	skinned, pink inside, blocky	Deep eyes (4); nice russet (3); shorter (2)	Deep eyes, blocky (3); nice skin (2)	blocky, alligator hyde	XXL x4, sticky x4, deep eyes x4, SB x3, rhizoc x2, ugly x2, short, irregular, P.S.,blockv, lenticels	Deep eyes, lumpy and bumpy, variable shapes.
9 AC12090-3RU	very lumpy, pink eyes, pink discoloration	pink undertone	Typy, uniform (4); nice russet (3)	Uniform (4); small, nice skin (3)	red skin	pink skin X4, pty x3, typy x3, pear, bottle, thin, rot, rhizoc, irregular, SB,	Typy, ok russeting, lenticils, greening issue.
10 AFA5661-8	light russeting, nice shape, slightly lumpy	GC*, blocky, deep eyes	Uniform, typy (3); few misshapen (2)	Blocky (3); few bulging eyes, misshapen (2)	bulgingeyes	blocky x3, XL x2,pty x2, pear x3, bottle x2, lenticels x2, sticky x2, short x2, spr x2, rhizoc, db, irregular, knobs, PS	Purple/pink pigmented eyes, somewhat typy, bad skin.
11 AOR11217-3	Good appearance	soft rot, scurf, small	Typy, nice russet (3); few points, lumpv (2)	Few misshapen, bumps, typy, variable size (2)	pear shape	pixel x3, typy x3, pty x3, bottle x2, sticky x2, SB, skinning, triangle, FBE, lenticels, ualv, P.S. nice	Shape a bit irregular, longer, spotty skin, ok length.
12 AOR13064-2		dry rot, pink undertone	Typy, uniform, few points (3)	Typy (3); nice russet, uniform, misshapen, knobs	blocky, alligator hyde	pty x4, bottle x2, cracky skin x2, rot x2,, rhizoc, greening skin, pixel, scab, SB|stripey, deep eyes, curvy, lenticels	Variable shapes, points and pears, scab.
13 CO13003-1RU	very heavy russeting	sugar ends-Fry45	Nice type, smaller, nice skin (4); uniform (2)	Typy, points, uniform, nice russet (3); few misshapen	alligator hyde	typy x4,doty-pixel x4, short x3, flakey x3, rot x2, short x2, sticky x2, pty, FM , flat, nipple, chain, rhizoc	Flat, typy, smaller. Medium russet, skin cracks.
14 COTX08063-2Ru	pink eyes/dyscoloration	scurf	Very small (4); nice type, uniform (3)	Points, typy (4); few misshapen (2)	non-uniform	SB x3, pty x4, typy x4, , FM x2, nice x2, nipple, spr, rhizoc, lenticels, sticky, bottle,flakey|	Light russet, spotty skin, some pear shapes.
15 Russet Norkotah	check	pointed	Typy, small (4); low yield, nice skin (2)	Typy, nice russet (3); uniform, points (2)	blocky	pixel x3, ,pty x4, lenticels x2 ,typy x2, flakey x2, not, norkotah x2 mix-look like C.W x2, chain, stickv, flakev, short,	Larger, typy, deep eyes, dark russet.
16 Shepody	-	-	-	-	-	-	-
17 COTX10080-2Ru	nice fresh market potato	Rough, GC, Large	-	Low yield, typy, nice skin (3); bad gc, few points (2)	blocky	spr x4, pty x3,pixel x2, rot++ x2, short x2, typy x2, nipple, ugly, rhizoc, lenticels, flakey, lowset,	Shape a bit irregular, some points and pears, bad scab.