

2015 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

State Experiment Stations and
USDA-ARS Cooperating

California

Colorado

Idaho

Oregon

Texas

Washington



2015 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

TABLE

- 1 Locations, Cooperators, and Cultural Information
- 2 Clone, Parentage, Flower Color, Seed and Trial Information, Stand, Tuber and Vine Characteristics
- 3 Total Yield (CWT/A) - Early & Late Harvest
- 4 Yield of U.S. No. 1's (CWT/A & %) - Early & Late Harvest
- 5 Yield of U.S. No. 1's over 10/12 oz. (CWT/A & %) - Early & Late Harvest
- 6 Yield of Tubers Under 4 oz. (CWT/A & %) - Early & Late Harvest
- 7 Specific Gravity - Early & Late Harvest
- 8 Average Tuber Size, and Tuber Shape
- 9 External Defects - Growth Cracks, 2nd Growth, Shatter Bruise, and Scab
- 10 Internal Defects - Hollow Heart/Brown Center, Internal Brown Spot, Vascular Discoloration, Blackspot
- 11 French Fry Color and Percent Sugar Ends
- 12 Disease Evaluations - Aberdeen, Klamath, Tulelake, Corvallis, and Prosser
- 13 Solids, Dextrose, Sucrose, Protein, Vitamin C, and Glycoalkaloids - Aberdeen
- 14 Merit Scores
- 15 Entry Summary
- 16 Three Year Summary of Graduating Entries
- 17 Entry Comments - Early Harvest
- 18 Entry Comments - Late Harvest

Western Regional Potato Variety Trial Reports (1998-2015) can be accessed at the following website.

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

Compiled by Brian Schneider

TABLE 1: 2015 Western Regional Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

No. Locations	Cooperators	Trial Irrigation		Fertilizer	Planting Date	Harvest Date	Days to Vine Kill	Days to Harvest	Herbicides	Pesticides Applied ¹		
				N-P-K-S(lb/A)						Insecticides	Fungicides	
1 Tulelake California (TUL)	R. Wilson, D. Culp	Late	Sprink.	205-104-100-36	14-May	30-Sep	111	139	Roundup PM Prowl H2O Outlook, Matrix	Admire Pro Vydate	Quadris, Endura, Manzate Omega 500, Curzate Bravo Wetherstick, Tanos	
2 San Luis Valley Colorado (SLV)	D. Holm, C. Gray K. Zavislan	Late	Pivot	120-60-40-25+2.5Zn	15-May	28-Sep	110	136	Dual Magnum Boundary	Leverage 360 Belay	Quadris Opti Luna Tranquility	
3 Aberdeen Idaho (AB)	J. Stark, R. Novy, J. Whitworth, P. Bain	Late	Sprink.	215-80-0-0+7Zn&Mg	4-May	21-Sep	121	140	TriCor 4F, Matrix Eptam 7-E Reglone	Admire	Gavel, Bravo	
4 Kimberly Idaho (KIM)	J. Stark, R. Novy, J. Whitworth, P. Bain	Late	Sprink.	305-250-120	22-Apr	7-Oct	136	168	Outlook, Makaze Class Act 20 Eptam	Rimon, Beleaf	Luna Tranquility Dithan F-45, Fullfill	
5 Parma Idaho (PAR)	M. Thornton, R. Portenier O. Adams	Early	Sprink.	177-80-100	8-Apr	7-Aug	117	121	Outlook Prowl, Eptam Reglone	Admire Pro Movento	Quadris, Gavel Endura, Luna T, Zing! Vapam 40 - Fall 2014	
6 Hermiston Oregon (HRM)	S. Sathuvalli	Early	Pivot	.5B-2.5mg, Starter: 50N-9i	25-Mar	13-Aug	119	141	Matrix, Dual Magnum Matrix	Admire, Coragen Agr-mek	Quadris, Ridomil	
		Late	Pivot	375-290-375-85+5Zn&Mg	7-Apr	22-Sep	145	168	Reglone/Mechanical			
7 Dalhart Texas (DAL)	J. C. Miller Jr., J. Koym, D. Schuering	Early	Pivot	171-136-13	21-May	19-Oct	110	151	Select Max, Brawl Chateau, Acumen Tricor, Marix SG	Beleaf, Fulfill Movento, Reaper Torac, Transform WG	Quadris, Penncozeb Bravo, Revus Top, Echo Scala SC, Luna Tranquility Curzate 60DF, Gavel	
8 Springlake Texas (SPR)	J. C. Miller Jr., J. Koym, D. Schuering	Early	Pivot	134-34-34	18-Apr	18-Aug	115	122	Sencor Roundup, Dual Matrix, Stealth	Movento, Agrimek Blackhawk, Transform Cruiser Maxx	Scala, Copper Nucop, Tanos	
9 Othello (OTH) Othello (OTH) Washington	M. Pavek, R. Knowles	Early	Linear	100-150-200-40	31-Mar	4-Aug	108	126	Outlook Prowl H2O Metribuzin Eptam, Matrix	Platinum	Luna Traquility Chlorinil 720 Priaxor	
		Late	Pivot	365-135-300-40+2B	7-Apr	16-Sep	155	162	Mechanical			

¹**Bold indicates use in both location's trials.**

TABLE 2: 2015 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 Color ¹	Entered by	Use	Trial	Year in Trial	Seed Source	Stand ²	Tuber and Vine Descriptions from Trial Observations ²					
										Tuber Shape (1-5) ³	Tuber Skin (1-5) ⁴	Vine Size (1-5) ⁵	Vine Maturity (1-5) ⁶	Stems/Hill	
1	Ranger Russet	Butte A6595-3	RP	Ck	Dual	E/L	-	OR	99	Obl-Lng 3.7	Med Russet 3.3	Med-Large 3.5	Medium 3.5	2.3	
2	Russet Burbank	Early Rose ?	W	Ck	Dual	E/L	-	OR	98	Obl-Lng 3.7	Med Russet 3.4	Med-Large 3.8	Med Early 3.0	2.4	
3	Russet Norkotah	ND9687-5Rus ND9526-4Rus	W	Ck	Fresh	E/L	-	OR	99	Obl-Lng 3.7	Med Russet 3.8	Medium 2.8	Early 1.8	2.4	
4	Shepody	Bake-King F58050	RP	Ck	Proc	E	-	OR	98	Oblong 3.4	White 1.7	Med-Large 3.9	Medium 3.3	2.4	
5	A03141-6	A098083-9 Premier Russet	W	ID	Dual	E/L	1	OR	98	Oblong 3.3	Light Russet 2.9	Large 4.2	Med-Late 3.6	2.4	
6	A03921-2	A96953-13 Alpine Russet	RP	ID	Dual	E/L	2	OR	96	Oblong 3.5	Light Russet 2.8	Med-Large 4.0	Medium 3.5	2.4	
7	A06021-1T	A99031-1TE A96013-2	W	ID	Dual	E/L	2	OR	98	Obl-Lng 3.6	Med Russet 3.5	Med-Large 3.3	Early 2.4	1.9	
8	A06084-1TE	A98345-1 A97267-1	W	ID	Dual	E/L	2	OR	99	Obl-Lng 3.8	Med Russet 3.6	Med-Large 3.5	Medium 3.1	2.4	
9	A06862-18VR	PA98V1-2 A98345-1	RP	ID	Dual	E/L	1	ID	98	Oblong 2.6	Light Russet 2.8	Very Large 5.2	Med-Late 3.8	2.2	
10	A06914-3CR	A00715-8 Alpine Russet	W	ID	Dual	E/L	1	OR	98	Oblong 3.2	Light Russet 2.4	Med-Large 3.6	Medium 3.2	2.6	
11	AC05039-2RU	A99032-2TE COA00287-1	W	CO	Dual	E/L	1	CO	98	Oblong 3.4	Med Russet 3.3	Medium 2.7	Early 2.1	2.5	
12	AO01114-4	AO92017-6 A86102-6	W	OR	Dual	E	3	OR	99	Oblong 3.4	Med Russet 3.5	Med-Large 4.0	Medium 3.3	2.3	
13	AO03123-2	A98082-17 Premier Russet	W	OR	Dual	E/L	1	OR	98	Obl-Lng 3.6	Light Russet 2.9	Med-Large 3.6	Medium 3.3	2.7	
14	AOR06070-1KF	Premier Russet AO96164-1		OR	Proc	E/L	1	OR	98	Obl-Lng 3.8	Med Russet 3.4	Med-Large 3.6	Medium 3.4	2.7	
15	CO05068-1RU	AWN86514-2 CO98009-3RU	W	CO	Dual	E/L	2	CO	97	Oblong 3.3	Med Russet 3.3	Med-Large 3.8	Medium 3.3	2.2	
16	CO05110-6RU	COA96054-3 CO98009-3RU	RP	CO	Dual	E	1	CO	97	Oblong 3.1	Med Russet 3.6	Med-Large 3.2	Early 2.4	2.1	
17	CO05175-1RU	CO94035-15RU AC96052-1RU	W	CO	Dual	E/L	2	CO	98	Obl-Lng 3.8	Med Russet 3.3	Med-Large 3.5	Medium 3.3	2.8	
18	COTX09022-3RuRE/Y	A00286-3Y CO99100-1RU	W	TX	Dual	E/L	1	TX	97	Rnd-Obl 2.4	Med Russet 3.5	Med-Large 3.4	Med Early 2.7	3.0	
19	COTX09052-2Ru	CO03202-1RU CO98067-7RU	W	TX	Dual	E/L	1	TX	96	Oblong 3.5	Med Russet 3.5	Med-Large 3.3	Med Early 2.7	1.8	
20	OR05039-4	AO95245-2 PA00N29-3	W	OR	Proc	E/L	3	OR	98	Obl-Lng 3.9	Light Russet 2.6	Medium 3.0	Med Early 3.0	2.2	
21	POR06V12-3	PA00V6-4 PA01N22-1	W	OR	Dual	E/L	3	OR	97	Obl-Lng 3.7	Med Russet 3.9	Med-Large 3.5	Medium 3.2	2.2	
22	TX08352-5Ru	TXA549-1Ru AOTX98137-1RU	W	TX	Dual	E/L	1	TX	98	Oblong 3.5	Med Russet 3.5	Small 2.4	Early 2.0	2.3	

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: 2015 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 ¹ (CWT/A)							
	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 RANGER R.	455	451	358	172	479	436 8 ab	481	434	420	679	682	701	851	607 4 bcde
2 R. BURBANK	517	463	434	189	460	468 3 ab	415	440	398	666	732	914	677	606 6 bcde
3 R. NORKOTAH	377	340	513	168	468	424 13 ab	402	334	295	457	505	582	602	454 16 ijk
4 SHEPODY	409	526	455	156	487	469 2 ab	.	375	.	.	.	.	.	.
5 A03141-6	373	645	360	206	456	459 4 ab	496	523	486	732	794	1020	790	691 2 ab
6 A03921-2	381	567	241	103	335	381 20 b	458	430	470	679	703	800	590	590 8 cdef
7 A06021-1T	453	407	350	227	353	391 17 ab	423	383	446	411	614	622	639	505 15 hij
8 A06084-1TE	420	440	455	145	441	439 7 ab	412	.	395	452	598	628	657	524 13 ghi
9 A06862-18VR	387	574	307	151	396	416 14 ab	447	.	386	747	740	1032	1001	725 1 a
10 A06914-3CR	495	507	480	152	444	482 1 a	466	441	451	755	651	764	720	607 4 bcde
11 AC05039-2RU	333	388	372	148	408	375 22 b	342	271	306	398	472	474	575	406 19 jk
12 AO01114-4	371	524	354	82	296	386 18 ab	.	327	.	.	.	.	.	.
13 AO03123-2	399	536	376	188	389	425 12 ab	355	420	450	494	602	740	693	536 11 efghi
14 AOR06070-1KF	397	472	420	187	426	429 9 ab	453	479	544	746	813	778	789	657 3 abc
15 CO05068-1RU	393	559	341	190	419	428 10 ab	464	430	350	598	678	941	781	606 6 bcde
16 CO05110-6RU	378	405	499	203	431	428 10 ab	.	353	.	.	.	.	.	.
17 CO05175-1RU	394	452	373	141	389	402 16 ab	390	451	465	546	704	732	666	565 10 cdefg
18 COTX09022-3RuRE/Y	346	384	427	164	367	381 20 b	312	.	.	335	459	375	641	424 18 jk
19 COTX09052-2Ru	331	509	364	215	418	406 15 ab	429	.	403	429	585	575	624	507 14 hij
20 OR05039-4	285	449	355	133	439	382 19 b	384	403	382	536	644	718	677	535 12 efghi
21 POR06V12-3	364	512	489	134	421	446 6 ab	431	382	403	649	585	867	652	567 9 cdefg
22 TX08352-5Ru	304	441	628	140	414	447 5 ab	299	.	.	389	444	562	573	453 17 jk
Location Means	389	479	407	163	415	423	414	405	415	563	632	728	695	556

¹Springlake excluded from location means and statistical analyses. SLV and AB excluded from Late Harvest statistical analyses; missing entries.

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: 2015 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 ¹ (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 RANGER R.	357	307	219	86	401	321	12	abcd	389	363	313	480	511	438	688	454	8	cd
	79	68	61	50	84	73	15		81	84	75	71	75	62	81	75	16	
2 R. BURBANK	360	238	157	55	322	269	21	cd	315	289	195	384	537	461	514	385	14	defg
	70	51	36	29	70	57	22		76	66	49	58	73	50	76	64	19	
3 R. NORKOTAH	330	223	287	110	368	302	18	abcd	331	282	232	395	447	458	525	382	15	defg
	87	66	56	66	79	72	17		82	85	79	86	88	79	87	84	6	
4 SHEPODY	304	396	222	54	413	334	8	abcd	.	247	.	.	.	.	.	.	.
	74	75	49	35	85	71	18		.	66	.	.	.	.	.	.	.
5 A03141-6	336	576	204	120	421	384	1	a	402	464	359	653	754	846	697	596	2	a
	90	89	57	58	93	82	3		81	89	74	89	95	83	88	86	2	
6 A03921-2	347	483	137	65	259	307	17	abcd	311	351	347	574	672	676	490	489	5	bc
	91	85	57	63	77	78	10		68	82	74	84	96	85	83	82	8	
7 A06021-1T	413	321	235	148	308	320	13	abcd	357	344	402	352	585	543	570	451	10	cde
	91	79	67	66	87	81	4		85	90	90	86	95	87	89	89	1	
8 A06084-1TE	378	355	234	64	366	333	9	abcd	263	.	261	413	558	525	574	432	13	cdef
	90	81	51	44	83	76	14		64	.	66	91	93	84	87	81	13	
9 A06862-18VR	332	467	207	62	339	336	7	abcd	339	.	253	647	650	873	929	615	1	a
	86	81	68	41	86	80	7		76	.	66	87	88	85	93	82	8	
10 A06914-3CR	312	379	292	68	351	333	9	abcd	372	345	357	622	451	534	566	464	7	cd
	63	75	61	45	79	69	20		80	78	79	82	69	70	79	77	15	
11 AC05039-2RU	295	271	237	62	346	287	20	bcd	257	243	252	328	421	335	476	330	18	gh
	88	70	64	42	85	77	12		75	90	82	82	89	71	83	82	8	
12 AO01114-4	322	421	260	60	229	308	16	abcd	.	267	.	.	.	.	.	.	.
	87	80	73	73	78	80	7		.	82	.	.	.	.	.	.	.
13 AO03123-2	358	422	230	115	309	330	11	abcd	267	323	346	412	563	573	625	444	12	cde
	90	79	61	62	79	77	12		75	77	77	83	94	78	90	82	8	
14 AOR06070-1KF	351	383	291	95	360	346	3	abc	361	386	444	633	761	621	723	561	3	ab
	88	81	69	51	84	81	4		80	81	82	85	94	80	92	85	3	
15 CO05068-1RU	314	432	258	68	367	342	5	abc	395	357	273	554	588	788	691	521	4	ab
	80	77	75	36	88	80	7		85	83	78	93	87	84	88	85	3	
16 CO05110-6RU	344	294	369	115	368	344	4	abc	.	310	.	.	.	.	.	.	.
	91	73	74	56	85	81	4		.	88	.	.	.	.	.	.	.
17 CO05175-1RU	333	343	241	75	344	315	14	abcd	307	370	387	480	532	490	565	447	11	cde
	84	76	65	53	88	78	10		79	82	83	88	77	67	85	80	14	
18 COTX09022-3RuRE/Y	274	210	269	76	210	241	22	d	215	.	.	217	384	243	413	295	19	h
	79	55	63	46	57	63	21		69	.	.	65	84	65	64	69	18	
19 COTX09052-2Ru	259	343	268	52	300	293	19	abcd	313	.	309	337	464	392	439	376	17	fgh
	78	67	74	24	72	73	15		73	.	77	79	79	68	70	74	17	
20 OR05039-4	258	387	303	89	400	337	6	abc	327	363	315	473	545	566	575	452	9	cd
	91	86	85	67	91	88	1		85	90	82	88	84	79	85	85	3	
21 POR06V12-3	295	410	215	59	319	310	15	abcd	275	298	331	569	545	727	578	475	6	bc
	81	80	44	44	76	70	19		64	78	82	88	93	84	89	82	8	
22 TX08352-5Ru	252	376	495	60	344	367	2	ab	214	.	.	341	408	498	436	379	16	fgh
	83	85	79	43	83	83	2		72	.	.	87	92	89	76	83	7	
Location Means	324	365	256	80	338	321			316	330	316	467	546	557	583	450		
	84	75	63	50	81	76			76	82	76	83	87	76	83	80		

¹Springlake excluded from location means and statistical analyses. SLV and AB excluded from Late Harvest statistical analyses; missing entries. Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 5: 2015 Western Regional Potato Variety Trial - YIELD > 10/12 OZ [CWT/A (upper) & % (lower)] - EARLY AND LATE HARVEST

No. Clone	U.S. No. 1's > 10/12 OZ - Early Harvest (CWT/A) and %								U.S. No. 1's > 10/12 OZ - Late Harvest ¹ (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 RANGER R.	111	109	38	1	124	95	13	bcd	139	158	211	329	206	194	368	229	8	ef
	24	24	11	1	26	21	15		29	36	50	48	30	28	43	38	10	
2 R. BURBANK	156	29	26	3	87	75	19	bcd	86	43	86	222	280	223	232	167	14	efg
	30	6	6	2	19	15	21		21	10	22	33	38	24	34	26	17	
3 R. NORKOTAH	109	73	78	17	92	88	16	bcd	177	98	66	217	164	195	165	154	15	fgh
	29	21	15	10	20	21	15		44	29	22	47	32	33	27	34	13	
4 SHEPODY	115	194	62	0	191	141	2	b	.	64	.	.	.	.	.	.	.
	28	37	14	0	39	29	5		.	17	.	.	.	.	.	.	.
5 A03141-6	212	408	72	9	235	232	1	a	288	210	236	551	632	738	569	461	1	a
	57	63	20	4	51	48	1		58	40	49	75	80	72	72	64	1	
6 A03921-2	194	211	46	8	106	139	3	bc	130	101	174	462	502	505	256	304	4	cd
	51	37	19	8	32	35	2		29	23	37	68	71	63	43	48	4	
7 A06021-1T	127	111	82	23	121	110	9	bcd	166	70	199	137	343	252	292	208	12	ef
	28	27	23	10	34	28	6		39	18	45	33	56	40	46	40	9	
8 A06084-1TE	162	102	60	1	82	101	12	bcd	90	.	127	233	377	232	308	228	10	ef
	39	23	13	1	19	23	10		22	.	32	52	63	37	47	42	7	
9 A06862-18VR	135	202	46	3	104	122	7	bcd	150	.	114	525	474	570	688	420	2	ab
	35	35	15	2	26	28	6		34	.	30	70	64	55	69	54	2	
10 A06914-3CR	82	179	82	5	110	113	8	bcd	126	27	145	390	185	267	285	204	13	ef
	17	35	17	3	25	23	10		27	6	32	52	28	35	40	31	14	
11 AC05039-2RU	124	43	46	1	84	75	19	bcd	65	74	96	131	115	56	125	95	18	h
	37	11	12	1	21	20	17		19	27	31	33	24	12	22	24	18	
12 AO01114-4	90	162	70	6	50	93	14	bcd	.	48	.	.	.	.	.	.	.
	24	31	20	8	17	23	10		.	15	.	.	.	.	.	.	.
13 AO03123-2	129	182	73	12	32	104	11	bcd	80	36	202	231	296	347	304	214	11	ef
	32	34	19	6	8	23	10		23	9	45	47	49	47	44	38	10	
14 AOR06070-1KF	104	152	90	10	165	128	4	bcd	178	113	312	509	525	382	427	349	3	bc
	26	32	21	5	39	30	4		39	24	57	68	65	49	54	51	3	
15 CO05068-1RU	80	64	48	0	116	77	18	bcd	137	87	148	305	198	327	404	229	8	ef
	20	11	14	0	28	18	19		30	20	42	51	29	35	52	37	12	
16 CO05110-6RU	134	57	149	6	83	106	10	bcd	.	64	.	.	.	.	.	.	.
	36	14	30	3	19	25	9		.	18	.	.	.	.	.	.	.
17 CO05175-1RU	148	134	51	2	173	126	5	bcd	141	153	240	344	363	314	353	273	5	de
	38	30	14	2	44	31	3		36	34	52	63	51	43	53	47	5	
18 COTX09022-3RuRE/Y	76	53	64	0	76	67	21	cd	78	.	.	68	202	78	247	135	16	gh
	22	14	15	0	21	18	19		25	.	.	20	44	21	39	30	15	
19 COTX09052-2Ru	53	45	90	0	42	57	22	d	83	.	55	92	154	76	90	91	19	h
	16	9	25	0	10	15	21		19	.	14	21	26	13	14	18	19	
20 OR05039-4	81	128	59	5	61	82	17	bcd	80	112	193	296	326	355	297	237	7	ef
	28	28	17	4	14	22	14		21	28	50	55	51	49	44	43	6	
21 POR06V12-3	107	163	43	5	49	90	15	bcd	68	70	219	379	359	369	302	252	6	de
	29	32	9	4	12	20	17		16	18	54	58	61	43	46	42	7	
22 TX08352-5Ru	58	118	237	0	82	124	6	bcd	52	.	.	175	164	208	62	132	17	gh
	19	27	38	0	20	26	8		17	.	.	45	37	37	11	29	16	
Location Means	118	133	73	5	103	107			122	90	166	294	309	299	304	231		
	30	27	18	3	25	25			29	22	39	50	47	39	42	39		

¹Springlake excluded from location means and statistical analyses. SLV and AB excluded from Late Harvest statistical analyses; missing entries. Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 6: 2015 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 ¹ (CWT/A) and %									
	ID	OR	TX		WA	Entry		Mean/Rank	CA	CO	ID		OR	WA	Entry		Mean/Rank	
	PAR	HRM	DAL	SPR ¹	OTH				TUL	SLV	AB	KIM	PAR	HRM	OTH			
1 RANGER R.	40	54	51	68	45	48	14	cdef	66	37	20	23	91	61	62	51	7	bc
	9	12	14	40	9	11	14		14	8	5	3	13	9	7	9	9	
2 R. BURBANK	58	91	29	84	66	61	6	cde	58	118	39	24	62	64	80	64	2	b
	11	20	7	44	14	13	7		14	27	10	4	8	7	12	12	4	
3 R. NORKOTAH	47	41	48	57	58	49	12	cdef	41	39	46	23	57	47	67	46	9	bcd
	13	12	9	34	12	12	11		10	12	16	5	11	8	11	10	6	
4 SHEPODY	33	49	75	81	53	53	9	cdef	.	66	.	.	.	.	.	.	.
	8	9	16	52	11	11	14		.	18	.	.	.	.	.	.	.
5 A03141-6	21	25	32	60	28	27	22	f	15	29	26	10	17	14	15	18	19	e
	6	4	9	29	6	6	22		3	5	5	1	2	1	2	3	19	
6 A03921-2	31	39	29	36	40	35	20	def	58	58	46	12	22	20	38	36	17	de
	8	7	12	35	12	10	20		13	13	10	2	3	2	6	7	15	
7 A06021-1T	40	53	50	73	27	43	19	cdef	44	33	23	43	28	43	45	37	16	cde
	9	13	14	32	8	11	14		10	9	5	10	4	7	7	8	12	
8 A06084-1TE	39	48	59	66	67	53	9	cdef	56	.	61	22	29	49	58	46	9	bcd
	9	11	13	46	15	12	11		14	.	15	5	5	8	9	9	9	
9 A06862-18VR	48	80	64	77	56	62	5	cde	44	.	49	23	51	78	45	48	8	bcd
	13	14	21	51	14	15	4		10	.	13	3	7	8	4	7	15	
10 A06914-3CR	83	54	73	47	58	67	4	bcd	42	72	29	25	71	64	64	53	5	bc
	17	11	15	31	13	14	6		9	16	6	3	11	8	9	9	9	
11 AC05039-2RU	38	60	49	83	48	49	12	cdef	68	19	32	28	50	69	52	45	12	bcd
	12	16	13	56	12	13	7		20	7	10	7	11	15	9	11	5	
12 AO01114-4	48	41	45	22	50	46	17	cdef	.	27	.	.	.	.	.	.	.
	13	8	13	27	17	13	7		.	8	.	.	.	.	.	.	.
13 AO03123-2	36	65	47	66	74	56	8	cdef	56	86	40	17	39	44	40	46	9	bcd
	9	12	13	35	19	13	7		16	20	9	3	7	6	6	10	6	
14 AOR06070-1KF	42	50	54	75	45	48	14	cdef	41	69	28	18	31	54	37	40	15	cde
	11	11	13	40	11	11	14		9	14	5	2	4	7	5	7	15	
15 CO05068-1RU	67	115	50	85	47	70	3	bc	49	42	28	20	63	63	39	43	13	cde
	17	21	15	45	11	16	3		11	10	8	3	9	7	5	8	12	
16 CO05110-6RU	32	71	43	86	55	50	11	cdef	.	32	.	.	.	.	.	.	.
	9	18	9	42	13	12	11		.	9	.	.	.	.	.	.	.
17 CO05175-1RU	33	52	54	38	35	44	18	cdef	37	46	31	18	97	28	37	42	14	cde
	8	12	15	27	9	11	14		9	10	7	3	14	4	6	8	12	
18 COTX09022-3RuRE/Y	56	79	75	89	27	59	7	cdef	54	.	.	58	46	76	55	58	3	bc
	16	20	17	54	7	15	4		17	.	.	17	10	20	9	15	2	
19 COTX09052-2Ru	72	149	55	160	109	96	2	ab	90	.	79	82	114	157	177	117	1	a
	22	29	15	74	26	23	2		21	.	19	19	20	27	28	23	1	
20 OR05039-4	24	44	23	44	32	31	21	ef	40	25	28	18	41	41	41	34	18	de
	8	10	6	33	7	8	21		10	6	7	3	6	6	6	7	15	
21 POR06V12-3	67	84	250	59	94	124	1	a	85	67	30	19	31	85	55	53	5	bc
	18	16	51	44	22	27	1		20	18	8	3	5	10	8	10	6	
22 TX08352-5Ru	44	48	40	79	58	48	14	cdef	63	.	.	25	23	49	129	58	3	bc
	14	11	6	56	14	11	14		21	.	.	6	5	9	23	13	3	
Location Means	45	63	59	70	53	55			53	51	37	27	51	58	60	49		
	12	13	14	42	13	13			13	12	9	6	8	9	9	10		

¹Springlake excluded from location means and statistical analyses. SLV and AB excluded from Late Harvest statistical analyses; missing entries. Means followed by the same letter are not significantly different at the 5% level using Student's t test.

TABLE 7: 2015 Western Regional Potato Variety Trial - SPECIFIC GRAVITY - EARLY AND LATE HARVEST

No. Clone	Specific Gravity - Early Harvest						Specific Gravity - Late Harvest ¹							
	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 RANGER R.	1.079	1.065	1.077	1.077	1.076	1.075 11 cde	1.088	1.089	1.090	1.088	1.096	1.078	1.086	1.088 7 bc
2 R. BURBANK	1.067	1.069	1.065	1.071	1.078	1.070 20 efg	1.085	1.091	1.079	1.081	1.082	1.075	1.072	1.081 12 e
3 R. NORKOTAH	1.064	1.058	1.069	1.066	1.074	1.066 21 fg	1.068	1.080	1.071	1.074	1.068	1.060	1.065	1.069 18 f
4 SHEPODY	1.075	1.066	1.074	1.080	1.076	1.074 15 cde	.	1.077	.	.	.	.	.	.
5 A03141-6	1.087	1.079	1.078	1.075	1.083	1.080 4 bcd	1.090	1.099	1.093	1.090	1.094	1.087	1.089	1.092 4 b
6 A03921-2	1.096	1.091	1.094	1.085	1.085	1.090 1 a	1.098	1.101	1.099	1.101	1.106	1.098	1.095	1.100 1 a
7 A06021-1T	1.079	1.070	1.074	1.078	1.080	1.076 8 bcde	1.090	1.087	1.085	1.088	1.088	1.074	1.080	1.085 8 cd
8 A06084-1TE	1.079	1.064	1.074	1.073	1.081	1.074 15 cde	1.085	.	1.083	1.078	1.082	1.072	1.079	1.080 14 e
9 A06862-18VR	1.081	1.072	1.079	1.066	1.091	1.078 6 bcde	1.093	.	1.092	1.091	1.095	1.088	1.086	1.090 6 b
10 A06914-3CR	1.074	1.059	1.074	1.071	1.075	1.071 18 efg	1.085	1.088	1.090	1.090	1.082	1.069	1.081	1.084 11 de
11 AC05039-2RU	1.077	1.068	1.074	1.070	1.086	1.075 11 cde	1.085	1.084	1.080	1.088	1.083	1.068	1.082	1.081 12 de
12 AO01114-4	1.082	1.074	1.071	1.071	1.082	1.076 8 bcde	.	1.096	.	.	.	.	.	.
13 AO03123-2	1.082	1.061	1.075	1.075	1.083	1.075 11 cde	1.083	1.083	1.088	1.084	1.094	1.074	1.090	1.085 8 cd
14 AOR06070-1KF	1.088	1.076	1.083	1.080	1.082	1.082 3 bc	1.098	1.098	1.094	1.095	1.101	1.089	1.095	1.096 3 a
15 CO05068-1RU	1.093	1.078	1.084	1.078	1.086	1.084 2 ab	1.098	1.093	1.096	1.101	1.103	1.093	1.094	1.097 2 a
16 CO05110-6RU	1.083	1.069	1.078	1.076	1.085	1.078 6 bcde	.	1.087	.	.	.	.	.	.
17 CO05175-1RU	1.077	1.061	1.071	1.066	1.078	1.071 18 efg	1.080	1.089	1.082	1.080	1.083	1.070	1.079	1.080 14 e
18 COTX09022-3RuRE/Y	1.076	1.066	1.075	1.076	1.080	1.075 11 cde	1.083	.	.	1.081	1.082	1.069	1.077	1.078 17 e
19 COTX09052-2Ru	1.075	1.067	1.066	1.070	1.083	1.072 17 def	1.085	.	1.086	1.087	1.078	1.068	1.074	1.080 14 e
20 OR05039-4	1.079	1.073	1.081	1.068	1.080	1.076 8 bcde	1.085	1.095	1.093	1.086	1.084	1.070	1.083	1.085 8 cd
21 POR06V12-3	1.090	1.073	1.077	1.078	1.083	1.080 4 bcd	1.090	1.098	1.098	1.093	1.094	1.088	1.086	1.092 4 b
22 TX08352-5Ru	1.063	1.056	1.054	1.071	1.074	1.064 22 g	1.068	.	.	1.072	1.068	1.059	1.074	1.068 19 f
Location Means	1.079	1.069	1.075	1.074	1.081	1.076	1.086	1.090	1.088	1.087	1.087	1.076	1.083	1.085

¹SLV and AB excluded from Late Harvest statistical analyses; missing entries.

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

TABLE 8: 2015 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=long)										Length/Width Ratio Location Means ²									
	Early Trial						Late Trial							Early Trial					Late Trial					CA		CO		ID		OR		WA ³	
	ID	OR	TX	WA		Mean	CA	ID	OR	WA			Mean	OR	TX	WA			Mean	CA	CO	ID	OR	WA			Mean	TUL	SLV	AB	PAR	HRM	OTH
1 RANGER R.	6.3	6.0	4.3	3.3	7.1	5.9	6.2	10.1	10.9	6.0	7.2	8.4	8.1	3.1	4.0	4.0	4.0	3.8	4.4	4.0	4.2	4.8	2.6	2.0	3.7	2.01	1.81	2.14	1.96	2.55	2.19		
2 R. BURBANK	7.3	4.5	4.5	2.6	6.2	5.6	6.0	8.2	10.8	7.7	7.3	7.3	7.9	3.4	4.0	4.0	3.5	3.7	4.3	4.0	3.8	4.6	1.6	4.0	3.7	1.97	1.81	1.93	2.18	2.28	2.12		
3 R. NORKOTAH	6.3	5.8	5.4	3.9	6.3	6.0	7.3	5.9	8.5	6.1	6.8	6.9	6.9	3.3	4.0	4.0	3.0	3.6	4.0	4.0	3.8	4.4	3.8	3.0	3.8	1.86	1.91	1.93	1.82	2.15	.		
4 SHEPODY	7.3	7.2	5.0	2.6	7.6	6.8	.	.	.	.	.	.	.	3.6	4.0	3.3	2.0	3.2	.	4.0	.	.	.	.	.	.	1.92	.	1.68	1.75	.
5 A03141-6	8.7	9.8	6.1	3.8	8.4	8.2	10.0	10.1	13.5	12.4	14.1	12.9	12.2	2.9	4.5	3.6	2.0	3.3	3.9	3.0	3.1	3.9	3.1	3.0	3.3	1.65	1.68	1.81	1.80	2.49	1.64		
6 A03921-2	8.7	7.4	5.9	3.5	6.7	7.1	6.4	7.6	13.4	10.8	10.4	8.1	9.5	4.0	4.0	4.0	3.0	3.8	3.5	3.0	3.8	3.8	3.4	3.0	3.4	1.63	1.79	1.91	1.78	2.06	1.66		
7 A06021-1T	6.7	6.1	5.6	3.6	7.9	6.6	6.8	8.0	7.0	8.4	6.7	8.2	7.5	3.6	4.0	3.8	3.7	3.8	4.0	3.0	3.6	3.9	3.6	3.0	3.5	1.74	1.74	1.80	1.75	1.90	1.72		
8 A06084-1TE	7.3	6.0	5.2	3.0	6.2	6.2	6.2	6.8	9.1	9.3	7.2	8.4	7.8	3.6	4.0	3.5	4.0	3.8	4.1	.	4.0	4.1	3.8	3.0	3.8	2.00	.	2.05	1.89	2.10	1.80		
9 A06862-18VR	6.7	6.2	4.1	2.6	6.3	5.8	7.1	7.4	12.4	8.7	8.6	10.8	9.2	2.8	3.0	2.7	2.0	2.6	2.4	.	2.7	2.8	3.5	2.0	2.7	1.33	.	1.58	1.54	1.70	1.33		
10 A06914-3CR	5.7	6.5	5.4	3.1	6.3	6.0	6.7	7.5	10.4	6.5	7.1	7.7	7.6	3.3	4.0	4.0	2.0	3.3	3.1	3.0	2.9	3.9	3.3	3.0	3.2	1.59	1.62	1.63	1.76	2.08	1.49		
11 AC05039-2RU	6.7	5.2	4.9	2.9	6.4	5.8	5.2	6.6	7.1	6.3	5.3	6.9	6.2	3.4	4.0	3.3	3.0	3.4	3.8	3.0	3.5	3.7	3.1	3.0	3.3	1.74	1.80	1.84	1.78	1.89	1.83		
12 AO01114-4	6.3	6.6	5.6	4.4	6.2	6.2	.	.	.	.	.	.	.	3.0	4.0	3.8	3.0	3.5	.	3.0	.	.	.	.	.	.	1.71	.	1.82	2.02	.
13 AO03123-2	7.0	6.0	5.1	3.4	5.3	5.8	5.7	8.3	8.9	7.8	7.9	8.4	7.8	3.8	4.5	3.9	3.0	3.8	3.5	4.0	3.7	4.3	2.9	3.0	3.6	1.67	1.81	1.78	1.91	2.24	1.84		
14 AOR06070-1KF	6.7	6.2	5.3	3.0	7.4	6.4	7.2	10.2	12.7	9.7	7.3	9.4	9.4	3.8	4.0	3.5	4.0	3.8	4.0	4.0	4.3	4.3	3.4	3.0	3.8	1.91	1.82	1.84	1.94	2.18	1.82		
15 CO05068-1RU	5.7	4.9	4.8	2.5	6.6	5.5	6.5	8.0	9.2	6.4	7.1	9.4	7.8	3.3	3.0	3.0	3.3	3.1	3.5	3.0	3.8	3.4	3.4	3.0	3.3	1.53	1.75	1.78	1.59	1.55	1.56		
16 CO05110-6RU	7.0	5.1	6.5	3.3	6.4	6.2	.	.	.	.	.	.	.	3.1	4.0	3.3	2.0	3.1	.	3.0	.	.	.	.	.	.	1.74	.	1.66	1.66	.
17 CO05175-1RU	7.3	6.4	5.3	3.1	7.8	6.7	7.1	8.5	10.6	11.1	8.8	9.7	9.3	3.5	4.0	4.0	4.0	3.9	3.9	5.0	4.1	3.9	3.0	3.0	3.8	1.70	2.05	1.84	2.06	2.16	1.80		
18 COTX09022-3RuRE/Y	5.7	4.8	5.0	2.5	6.6	5.5	5.5	.	5.8	6.9	4.9	7.9	6.2	3.9	4.0	2.0	1.0	2.7	2.0	.	.	2.4	3.3	1.0	2.2	1.24	.	.	1.36	1.44	1.22		
19 COTX09052-2Ru	4.7	4.4	5.1	2.0	4.9	4.8	5.2	5.3	5.6	5.4	4.3	5.0	5.1	3.6	4.0	2.8	2.7	3.3	3.8	.	3.6	4.0	3.9	3.5	3.8	1.66	.	1.79	1.93	2.02	1.71		
20 OR05039-4	7.0	6.4	5.4	3.4	6.7	6.4	6.3	8.7	9.4	8.2	8.4	8.5	8.2	3.6	4.0	3.8	4.0	3.8	4.0	5.0	4.1	4.0	3.4	3.0	3.9	1.86	2.02	2.05	2.01	2.51	1.86		
21 POR06V12-3	5.3	5.6	8.5	2.8	5.4	6.2	5.4	8.6	10.8	8.8	6.8	8.2	8.1	3.5	4.0	3.5	4.0	3.8	3.9	4.0	3.9	3.4	3.8	3.0	3.7	1.78	1.91	1.89	1.64	1.96	1.64		
22 TX08352-5Ru	6.0	6.3	7.2	3.0	6.2	6.4	5.2	.	8.3	7.4	6.9	5.5	6.7	3.5	4.0	2.5	3.0	3.3	3.8	.	.	4.0	4.0	3.0	3.7	1.65	.	.	1.66	1.79	1.62		
Location Means	6.7	6.1	5.5	3.1	6.6	6.2	6.4	8.0	9.7	8.1	7.5	8.3	8.0	3.4	4.0	3.5	3.0	3.5	3.7	3.6	3.7	3.9	3.3	2.9	3.5	1.71	1.82	1.86	1.80	2.02	1.71		

¹Springlake excluded from location means.²Parma and Hermiston; combined means of Early Harvest and Later Harvest Trials.³Washington reported mean of 1.94 for Idaho samples and 2.07 for Oregon samples.

TABLE 9: 2015 Western Regional Potato Variety Trial - EXTERNAL DEFECTS MEANS OF LOCATIONS - GROWTH CRACKS, SECOND GROWTH, SHATTER BRUISE, AND SCAB¹

No. Clone	Growth Cracks		Second Growth		Shatter Bruise			Scab	
	Early Trial	Late Trial	Early Trial	Late Trial	Early Trial	Late Trial	Ab ²	Early Trial	Late Trial
1 RANGER R.	4.7	4.2	4.8	4.2	4.9	4.5	3.2	4.9	4.4 AB 3.1
2 R. BURBANK	4.5	4.0	4.2	2.8 AB 1.1 SLV 2.0	5.0	4.2	3.0	4.9	4.9
3 R. NORKOTAH	5.0	4.8	5.0	4.7	5.0	4.5	3.4	4.7	4.4
4 SHEPODY	4.6	.	4.4	.	5.0	.	.	4.6 PAR 3.0	.
5 A03141-6	4.8	4.7	4.5	4.2 AB 2.8	4.7	3.5 OTH 1.0	3.1	4.8	4.6
6 A03921-2	4.7	4.3	4.4	4.5	4.3	3.2 OTH 1.0	2.9	4.8	4.7
7 A06021-1T	4.9	4.8	4.9	4.9	4.6	3.4 OTH 1.0	3.2	4.7	4.8
8 A06084-1TE	5.0	4.9	4.9	3.9 AB 2.0	5.0	3.8 OTH 2.0	3.1	4.7	4.7
9 A06862-18VR	5.0	4.2	4.8	4.5	3.8 HRM 2.9 OTH 1.0	2.9 OTH 1.0	2.1	4.6 PAR 3.0	4.6
10 A06914-3CR	4.6	4.0	4.4	4.3	5.0	3.7 OTH 2.0	3.5	4.6	4.8
11 AC05039-2RU	5.0	4.8	5.0	5.0	5.0	3.9 OTH 2.0	3.4	4.5	4.7
12 AO01114-4	4.8	.	5.0	.	4.6	.	.	4.7	.
13 AO03123-2	4.9	4.5	4.8	4.5	4.7	3.5 OTH 1.0	3.1	4.6	4.5
14 AOR06070-1KF	5.0	4.4	5.0	4.7	4.4	3.3 OTH 1.0	2.2	4.9	4.8
15 CO05068-1RU	5.0	4.4 SLV 2.0	4.6	4.7	4.8	3.7 OTH 1.0	3.3	5.0	4.8
16 CO05110-6RU	5.0	.	5.0	.	4.7	.	.	4.4 HRM 2.9	.
17 CO05175-1RU	4.8	4.6	4.9	4.5	4.9	3.6 OTH 1.0	3.6	4.8	4.5
18 COTX09022-3RuRE/Y	3.3 HRM 1.3 OTH 1.0	2.6 OTH 1.0	5.0	4.8	4.9	4.1	.	4.8	4.9
19 COTX09052-2Ru	5.0	4.9	5.0	5.0	4.8	3.9 OTH 2.0	3.3	4.9	4.6
20 OR05039-4	4.8	4.4	5.0	4.8	4.8	3.6	3.1	4.9	4.5
21 POR06V12-3	4.8	4.8	5.0	4.4	4.7	3.8 OTH 2.0	3.1	5.0	5.0
22 TX08352-5Ru	4.8	4.9	5.0	4.8	4.7	4.3	.	4.8	4.8
Entry Means	4.8	4.4	4.8	4.5	4.7	3.8	3.1	4.7	4.7

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: 2015 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 RANGER R.	0	2	5	HRM 23	3	HRM 18	6	HRM 23	1	4.7	4.6	1.7
2 R. BURBANK	1	9	0		0		1		2	4.9	3.6	2.2
3 R. NORKOTAH	2	10	0		1		3		1	5.0	4.3	2.5
4 SHEPODY	1	.	0		.		6	HRM 25	.	4.9	.	.
5 A03141-6	3	7	0		3		8	HRM 33	.	5.0	4.5	.
6 A03921-2	1	5	5		7	PAR 20	2		6	5.0	4.4	2.3
7 A06021-1T	3	3	0		0		3		1	5.0	4.3	2.2
8 A06084-1TE	6	DAL 20	9	PAR 47	4	HRM 18	3		4	5.0	3.8	2.6
9 A06862-18VR	7	OTH 20	3		0		2		1	5.0	3.5	1.7
10 A06914-3CR	0	1	0		4	HRM 20	6	HRM 23	1	4.9	4.7	2.7
11 AC05039-2RU	3	2	0		0		3		1	4.8	4.3	2.1
12 AO01114-4	1	.	1		.		3		.	5.0	.	.
13 AO03123-2	8	PAR 37	12	AB 23 PAR 50	4		5	HRM 20	0	5.0	4.4	3.3
14 AOR06070-1KF	1		19	AB&KIM 40 PAR 43	1		3		.	5.0	4.5	.
15 CO05068-1RU	6	PAR 27	12	AB 38	1		2		1	5.0	4.5	1.9
16 CO05110-6RU	2	.	0		.		2		.	4.6	.	.
17 CO05175-1RU	4		15	AB 35 PAR 27	1		2		2	5.0	4.4	3.4
18 COTX09022-3RuRE/Y	3	4	4		4		2		0	4.7	3.3	.
19 COTX09052-2Ru	1	0	1		0		3		1	5.0	4.3	2.2
20 OR05039-4	1	0	1		3		4		0	5.0	4.5	2.8
21 POR06V12-3	11	DAL 53	7	AB&PAR 20	0		4		1	5.0	4.7	3.6
22 TX08352-5Ru	1	1	0		0		1		3	5.0	4.5	.
Entry Means	3	6	1		2		3		1	4.9	4.3	2.4

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: 2015 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				
	CO	OR	WA	Entry Mean	CO	ID		OR	WA	Entry Mean	ID		WA	Entry Mean	ID		OR		Entry Mean
	SLV	HRM	OTH		SLV	AB	KIM	HRM	OTH		AB	KIM	OTH		AB	KIM	HRM	E	
L	E	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L		
1 RANGER R.	1.0	0.0	0.0	0.3	3.0	0.7	0.6	0.2	0.0	1.1	3.7	4.0	3.0	3.6	25	42	33	13	28
2 R. BURBANK	0.0	0.2	0.0	0.1	2.0	0.6	0.4	1.0	1.0	1.0	4.0	3.8	4.0	3.9	38	63	0	0	25
3 R. NORKOTAH	1.0	0.2	.	0.6	2.0	0.7	0.8	2.0	.	1.4	4.0	3.6	.	3.8	50	21	30	0	25
4 SHEPODY	1.0	0.0	.	0.5	3.0	.	.	.	.	.	.	.	.	.	.	.	3	.	.
5 A03141-6	1.0	0.0	0.0	0.3	1.0	0.7	0.6	0.0	0.0	0.6	1.8	2.3	0.0	1.4	0	21	3	5	7
6 A03921-2	1.0	0.0	0.0	0.3	1.0	0.5	0.4	0.0	0.0	0.5	2.3	1.6	0.0	1.3	8	8	0	0	4
7 A06021-1T	2.0	0.0	0.0	0.7	2.0	0.6	0.8	0.5	0.0	0.8	4.0	4.0	2.0	3.3	33	25	3	10	18
8 A06084-1TE	.	0.0	0.0	0.0	.	0.4	0.4	0.0	0.0	0.2	1.4	2.2	1.0	1.5	4	0	3	0	2
9 A06862-18VR	.	0.2	0.0	0.1	.	0.4	0.5	0.2	0.0	0.3	1.7	2.8	3.0	2.5	4	8	0	3	4
10 A06914-3CR	2.0	0.0	0.0	0.7	3.0	0.6	0.8	0.2	0.0	1.1	3.1	3.8	1.0	2.6	2	17	3	8	7
11 AC05039-2RU	0.0	0.0	0.0	0.0	2.0	0.9	0.6	1.0	0.0	0.9	4.0	4.0	2.0	3.3	39	46	3	3	22
12 AO01114-4	2.0	0.0	.	1.0	3.0	.	.	.	0.0	.	.	.	.	.	.	.	0	.	.
13 AO03123-2	1.0	0.0	0.0	0.3	2.0	0.4	0.4	0.2	.	1.0	3.2	3.6	1.0	2.6	11	27	3	3	11
14 AOR06070-1KF	1.0	0.0	0.0	0.3	1.0	0.4	0.4	0.0	0.0	0.4	1.7	1.6	0.0	1.1	56	54	28	10	37
15 CO05068-1RU	1.0	0.2	0.0	0.4	0.0	0.4	0.4	0.0	0.0	0.2	2.9	3.4	2.0	2.8	4	4	3	0	3
16 CO05110-6RU	1.0	0.0	.	0.5	3.0	.	.	.	.	.	.	.	.	.	.	.	8	.	.
17 CO05175-1RU	1.0	0.0	0.0	0.3	2.0	0.4	0.5	0.0	0.0	0.7	3.8	4.0	3.0	3.6	11	25	5	8	12
18 COTX09022-3RuRE	.	0.0	0.0	0.0	.	.	0.6	0.5	0.0	0.4	.	3.1	2.0	2.5	.	29	0	0	10
19 COTX09052-2Ru	.	0.2	0.0	0.1	.	0.5	1.0	0.2	0.0	0.5	3.2	2.5	2.0	2.5	4	29	13	0	11
20 OR05039-4	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.0	0.0	0.2	1.6	2.8	2.0	2.2	46	8	5	10	17
21 POR06V12-3	1.0	0.0	0.0	0.3	1.0	0.4	0.5	0.0	0.0	0.5	1.6	2.3	0.0	1.3	21	13	0	0	8
22 TX08352-5Ru	.	0.2	1.0	0.6	.	.	0.8	2.5	2.0	1.8	.	4.0	4.0	4.0	.	13	3	3	6
Location Means	1.0	0.1	0.1	0.3	1.8	0.5	0.6	1.3	0.2	0.7	2.8	3.1	1.8	2.6	21	24	6	4	14

Storage protocol prior to frying

Aberdeen - 6 weeks from 55F to 45F, 7 weeks from 55F to 40F, and 8 weeks @ 45F and 8 weeks @ 40F.

Hermiston - 6 weeks from 55F to 45 F, and 9 weeks @ 45F.

Kimberly - 6 weeks from 55F to 45F, 7 weeks from 55F to 40F, and 8 weeks @ 45F and 8 weeks @ 40F.

Othello - 6 weeks from 55F to 45F, 7 weeks from 55F to 40F, and 8 weeks @ 45F and 40F.

San Luis Valley - 4 weeks from 55F to 45F, and 8 weeks @ 45.

* Comprehensive post harvest evaluations of entries can be found in the 2015 Potato Cultivar Yield & Post Harvest Quality Evaluations - Washington State University. Contact: Rick Knowles. www.potatoes.wsu.edu

TABLE 12: 2015 Western Regional Potato Variety Trial - DISEASE EVALUATION AND METRIBUZIN REACTION

No.	Clone	Vert. Wilt/ Early Dying			Early Blight AB ¹		Common Scab AB ¹		Net Necrosis/ Vasc. Discoloration ¹		Prosser		Pectobacterium		Metribuzin Reaction ⁵				
		AB ¹		HRM ²	TUL ³	Foliar	Tuber	% Incid.	Serious Defect	Percent Incidence	Serious Defect	Corky Ringspot	DSI ⁴	Dry Rot ¹ (0-5)	Soft Rot ¹	(0-5)	AB		
		(0-9)AUDPC	(0-9)AUDPC	AUDPC	(0-9) AUDPC	%						% Incidence		F(sam)	F(sol)				
1	RANGER R.	5.7	242	3.5	82	655	6.0	309	7	17	0	70	0	78	57	3.3	0.9	0.4	-
2	R. BURBANK	6.3	356	9.0	1431	739	6.7	344	6	0	0	45	8	73	54	4.6	1.2	1.0	-
3	R. NORKOTAH	9.0	1120	9.0	2178	1313	9.0	910	0	0	0	74	17	66	42	2.5	0.7	2.3	-
4	SHEPODY	6.0	236	5.0	345	.	7.0	438	1	3	1	50	10	62	35	2.5	0.9	4.1	-
5	A03141-6	6.3	419	3.0	58	478	6.0	333	19	5	1	67	3	33	12	3.4	0.7	1.5	MR
6	A03921-2	5.7	308	5.0	114	806	6.0	306	9	6	1	68	6	60	28	3.8	1.9	3.0	R
7	A06021-1T	8.0	677	9.0	1360	801	8.0	603	17	7	0	73	17	49	31	4.8	1.0	2.8	R
8	A06084-1TE	7.7	543	9.0	1057	504	8.3	799	11	14	0	91	23	45	24	4.5	1.0	3.0	MR
9	A06862-18VR	4.7	198	1.8	45	520	5.0	207	19	17	4	48	0	43	19	4.5	1.6	1.7	R
10	A06914-3CR	6.5	362	7.3	762	766	7.0	473	15	0	0	51	0	24	9	3.4	0.4	2.5	R
11	AC05039-2RU	7.7	595	9.0	3180	1093	8.0	518	4	13	0	64	13	49	23	4.2	1.0	1.7	MS
12	AO01114-4	6.7	407	9.0	1193	.	6.7	566	7	2	0	51	3	65	47	4.2	1.1	1.1	-
13	AO03123-2	5.0	176	3.5	116	504	6.3	426	3	0	0	43	0	31	12	5.0	0.5	2.4	R
14	AOR06070-1KF	5.7	242	3.0	58	501	5.3	298	4	20	4	35	4	7	2	3.9	0.9	3.3	R
15	CO05068-1RU	3.3	62	7.0	1421	521	5.0	233	5	14	1	41	4	66	39	3.1	0.5	0.2	MS
16	CO05110-6RU	7.7	578	7.0	480	.	7.7	613	3	17	3	73	0	58	29	3.8	1.5	3.1	-
17	CO05175-1RU	3.7	90	6.3	261	579	4.7	198	3	1	0	53	0	53	32	4.7	1.8	1.8	R
18	COTX09022-3RuRE/Y	8.0	630	8.5	1819	774	8.0	630	17	6	6	32	22	51	30	4.2	2.6	0.3	MR
19	COTX09052-2Ru	7.0	519	8.8	1808	957	7.7	473	9	1	0	50	10	45	29	2.2	1.9	1.1	-
20	OR05039-4	5.0	222	6.0	281	629	5.7	285	54	3	0	50	0	23	9	4.2	1.2	2.1	R
21	POR06V12-3	5.0	200	4.0	168	601	5.3	221	2	1	0	34	0	10	3	2.5	0.4	2.4	R
22	TX08352-5Ru	.	.	9.0	2828	1583	.	.	.	.	.	53	4	83	56	.	.	.	-
Entry Means		6.2	389	6.5	956	754	6.6	437	10	7	1	55	7	49	28	3.8	1.1	2.0	
LSD (.05)		1.6					1.3		11	16	n.s.	24	17			0.8	0.8	1.3	

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 107, 114, and 121 days after planting.

Common Scab and Net Necrosis serious defects are the number of tubers with a 3 rating (0-5 scale) or higher, divided by the 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 134 days after planting. AUDPC based on folia readings take 91, 115, 129 and 134 days after planting.

³ Evaluations made at Tulelake, California; scale as indicated, highest number (9=90-100%) being most severe. AUDPC based on foliar readings taken 82, 88, 97, and 102 days after planting.

⁴ Evaluations made at Prosser, Washington by Chuck Brown: Tubers cut into 8 facets, DSI = percent of facets with blemish.

⁵ Evaluations made at Aberdeen, Idaho; R=Resistant, MR=Moderately Resistant, S=Susceptible, MS=Moderately Susceptible, VS=Very Susceptible

**TABLE 13: 2015 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	Antioxidant Equivalents ²		Glycoalkaloids ⁵ (mg/100g FWB) ¹
		Dextrose (%FWB) ¹	Sucrose (%FWB) ¹			µg Ascorbic Acid equivalents/gfw ³	µg Trolox equivalents/gfw ⁴	
1 RANGER R.	23.0	0.05	0.16	5.6	30.5	374.2	325.3	7.2
2 R. BURBANK	20.6	0.05	0.14	5.7	25.0	338.3	293.7	2.1
3 R. NORKOTAH	20.2	0.05	0.13	5.4	21.3	335.9	291.5	1.5
4 SHEPODY						369.0	320.7	
5 A03141-6	22.9	0.07	0.20	6.8	29.5	345.8	300.2	6.4
6 A03921-2	25.4	0.04	0.16	6.6	31.4	325.2	282.1	11.4
7 A06021-1T	21.4	0.05	0.13	6.2	22.6	356.8	309.9	2.1
8 A06084-1TE	21.8	0.00	0.15	7.3	27.5	245.4	211.8	4.3
9 A06862-18VR	22.7	0.01	0.24	6.5	23.9	223.3	192.3	8.1
10 A06914-3CR	21.7	0.07	0.24	6.1	40.9	354.0	307.5	2.9
11 AC05039-2RU	21.3	0.06	0.19	7.3	31.6	389.3	338.6	2.2
12 AO01114-4						375.1	326.1	
13 AO03123-2	21.2	0.03	0.25	6.6	21.8	231.7	199.7	6.3
14 AOR06070-1KF	24.7	0.02	0.18	5.6	36.2	265.3	229.3	6.2
15 CO05068-1RU	23.5	0.02	0.16	5.2	26.3	286.7	248.2	14.7
16 CO05110-6RU						309.8	268.5	
17 CO05175-1RU	22.9	0.02	0.15	6.1	32.0	338.5	293.8	0.3
18 COTX09022-3RuRE/Y	21.0	0.02	0.13	5.7	24.3	337.4	292.8	2.0
19 COTX09052-2Ru						325.3	282.2	
20 OR05039-4	21.8	0.03	0.15	7.1	20.6	343.1	297.9	16.0
21 POR06V12-3	24.3	0.02	0.17	5.9	20.5	405.5	352.9	16.2
22 TX08352-5Ru						324.1	281.2	
Entry Means	22.4	0.04	0.17	6.2	27.4	327.3	283.9	6.5

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 Ascorbic acid equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: $y=860.86x-8.803$

⁴ µg Trolox equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: $y=758.56x-12.274$

⁵ Glycoalkaloids: The 2015 Lenape check grown at Aberdeen was 32.0 mg/100g

TABLE 14: 2015 Western Regional Potato Variety Trial - MERIT SCORES [1-5(best)]

No. Clone	Process											Process WA ¹ 3 State Mean	Fresh													
	CO			ID			OR		WA		Early Trial		Late Trial	CA	CO		ID		OR		TX		WA		Early Trial	Late Trial
	SLV	AB	KIM	HRM		OTH		Mean(Rnk)	Mean(Rnk)	TUL					SLV	AB	KIM	HRM		DAL SPR		OTH		Mean(Rnk)			Mean(Rnk)
	L	L	L	E	L	E	L				E		L	E	E	E	E	E	L	E	L	E	L			
1 RANGER R.	2.0	3.0	3.0	2.5	2.0	3.6	3.8	3.1	7	2.8	12	4.5	2.5	3.0	2.5	2.4	2.0	2.0	2.3	2.0	2.7	1.8	2.3	13	2.4	12
2 R. BURBANK	3.0	2.5	2.5	2.0	2.0	2.9	1.2	2.5	17	2.2	16	2.5	2.9	2.0	1.1	2.2	2.0	2.0	1.7	1.5	1.3	1.4	1.6	22	1.9	18
3 R. NORKOTAH	2.0	1.5	3.0	1.0	1.5	3.3	0.0	2.2	20	1.6	18	.	2.9	1.0	3.5	3.6	3.0	3.0	2.9	3.0	1.7	2.5	2.6	9	2.7	7
4 SHEPODY	1.0	.	.	2.0	.	3.4	.	2.7	13	.	.	.	.	1.0	.	.	1.5	.	2.5	3.0	1.8	.	2.2	18	.	.
5 A03141-6	5.0	4.5	4.0	3.5	3.0	4.3	4.1	3.9	1	4.1	1	4.5	2.3	5.0	2.0	2.8	3.0	3.0	2.2	3.2	2.3	1.5	2.7	5	2.8	5
6 A03921-2	4.0	3.5	4.5	3.5	3.0	2.8	2.3	3.2	5	3.5	5	4.4	1.6	3.0	2.7	3.0	2.5	3.0	2.8	3.4	0.7	1.1	2.4	12	2.4	12
7 A06021-1T	3.0	2.5	3.0	3.0	3.5	2.9	2.5	3.0	10	2.9	11	4.4	3.0	2.0	3.7	3.5	3.0	3.5	3.0	3.3	2.1	3.1	2.8	4	3.1	1
8 A06084-1TE	.	4.5	4.0	2.0	2.5	4.1	2.2	3.1	7	3.3	6	4.4	2.8	.	1.9	3.3	2.0	2.5	2.2	2.5	2.5	1.6	2.3	13	2.4	12
9 A06862-18VR	.	4.5	4.5	2.5	2.5	2.7	3.8	2.6	14	3.8	2	4.2	2.6	.	2.0	1.9	2.0	2.0	3.5	2.8	1.0	1.7	2.3	13	2.0	17
10 A06914-3CR	2.0	3.5	3.0	2.5	3.0	2.2	2.7	2.4	18	2.8	12	4.1	1.9	3.0	2.3	3.0	2.0	2.5	3.5	2.3	1.4	1.6	2.3	13	2.4	12
11 AC05039-2RU	2.0	2.5	3.0	2.0	2.5	4.1	2.8	3.1	7	2.6	14	3.7	2.5	1.0	3.6	2.8	2.0	2.5	2.2	2.5	2.3	1.9	2.2	18	2.4	12
12 AO01114-4	1.0	.	.	2.0	.	2.2	.	2.1	21	.	.	.	.	1.0	.	.	2.0	.	3.4	4.3	0.9	.	2.7	5	.	.
13 AO03123-2	3.0	3.0	3.0	2.0	3.0	3.6	3.5	2.8	11	3.1	9	4.3	2.4	2.0	3.1	2.9	2.0	3.0	2.7	3.2	1.2	2.3	2.3	13	2.6	9
14 AOR06070-1KF	5.0	2.5	3.0	3.0	2.0	4.0	3.7	3.5	3	3.2	7	4.5	2.8	4.0	2.8	3.0	1.5	2.0	2.9	2.8	1.6	1.9	2.2	18	2.8	5
15 CO05068-1RU	5.0	2.5	3.0	2.0	2.5	4.3	2.8	3.2	5	3.2	7	4.5	2.1	3.0	2.5	3.3	2.5	2.5	2.7	3.2	2.5	1.7	2.7	5	2.5	10
16 CO05110-6RU	2.0	.	.	2.0	.	3.5	.	2.8	11	.	.	.	.	2.0	.	.	2.0	.	3.4	3.5	1.1	.	2.5	11	.	.
17 CO05175-1RU	5.0	3.0	2.5	1.5	2.5	3.6	2.4	2.6	14	3.1	9	4.2	3.1	4.0	2.9	3.6	2.5	2.5	2.9	2.5	2.9	2.3	2.7	5	3.0	3
18 COTX09022-3RuRE/Y	.	.	3.0	1.0	1.0	0.8	0.2	0.9	22	1.4	19	3.8	1.0	.	.	1.3	1.0	1.0	3.4	3.7	0.3	0.1	2.1	21	0.8	19
19 COTX09052-2Ru	.	3.5	2.0	2.0	3.0	3.1	1.4	2.6	14	2.5	15	3.8	3.4	.	4.0	3.4	3.0	3.0	3.4	3.9	1.2	1.6	2.9	2	3.1	1
20 OR05039-4	4.0	3.5	4.0	3.0	3.0	4.5	3.5	3.8	2	3.6	3	4.2	1.0	3.0	3.1	3.5	3.0	3.0	2.7	3.0	1.8	1.7	2.6	9	2.5	10
21 POR06V12-3	4.0	3.0	4.5	3.0	3.0	3.7	3.6	3.4	4	3.6	3	4.7	2.9	2.0	3.2	3.8	3.0	3.0	3.6	2.7	2.2	3.1	2.9	2	3.0	3
22 TX08352-5Ru	.	.	3.0	2.0	2.0	2.8	1.5	2.4	18	2.2	16	2.4	2.6	.	.	2.9	3.5	3.5	4.0	3.3	2.8	1.9	3.4	1	2.7	7
Location Means	3.1	3.1	3.3	2.3	2.5	3.3	2.5	2.8		2.9		4.1	2.4	2.5	2.7	2.9	2.3	2.6	2.9	3.0	1.7	1.8	2.5		2.5	

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 15: 2015 Western Regional Potato Variety Trial - ENTRY SUMMARY¹

No Clone	Year		US Total Yield ²	US #1's Yield ²	% US #1's ²	Tuber		Specific Gravity ²	Fry45 Color	Combine(E&L)		Disposition 2016
	In Trial	Use				Size (oz)	Early Late			Merit Score ³	Fresh		Observations
1 RANGER R.	-	Dual	607	454	75	5.9	8.1	1.088	1.1	2.9	2.3	Check
2 R. BURBANK	-	Dual	606	385	64	5.6	7.9	1.081	1.0	2.3	1.8	Check
3 R. NORKOTAH	-	Fresh	454	382	84	6.0	6.9	1.069	1.4	1.9	2.7	Check
4 SHEPODY	-	Proc	469	334	71	6.8	.	1.074	.	2.7	2.2	Check
5 A03141-6	1	Dual	691	596	86	8.2	12.2	1.092	0.6	4.0	2.7	Return
6 A03921-2	2	Dual	590	489	82	7.1	9.5	1.100	0.5	3.3	2.4	Return
7 A06021-1T	2	Dual	505	451	89	6.6	7.5	1.085	0.8	2.9	3.0	Return
8 A06084-1TE	2	Dual	524	432	81	6.2	7.8	1.080	0.2	3.2	2.3	Discard
9 A06862-18VR	1	Dual	725	615	82	5.8	9.2	1.090	0.3	3.2	2.2	Discard
10 A06914-3CR	1	Dual	607	464	77	6.0	7.6	1.084	1.1	2.6	2.3	Discard
11 AC05039-2RU	1	Dual	406	330	82	5.8	6.2	1.081	0.9	2.8	2.3	Discard
12 AO01114-4	3	Dual	386	308	80	6.2	.	1.076	.	2.1	2.7	Graduate
13 AO03123-2	1	Dual	536	444	82	5.8	7.8	1.085	1.0	3.0	2.4	Return
14 AOR06070-1KF	1	Proc	657	561	85	6.4	9.4	1.096	0.4	3.4	2.5	Return
15 CO05068-1RU	2	Dual	606	521	85	5.5	7.8	1.097	0.2	3.2	2.6	Return
16 CO05110-6RU	1	Dual	428	344	81	6.2	.	1.078	.	2.8	2.5	Discard
17 CO05175-1RU	2	Dual	565	447	80	6.7	9.3	1.080	0.7	2.8	2.9	Return
18 COTX09022-3RuRE/Y	1	Dual	424	295	69	5.5	6.2	1.078	0.4	1.1	1.5	Return
19 COTX09052-2Ru	1	Dual	507	376	74	4.8	5.1	1.080	0.5	2.5	3.0	Return
20 OR05039-4	3	Proc	535	452	85	6.4	8.2	1.085	0.2	3.7	2.6	Graduate
21 POR06V12-3	3	Dual	567	475	82	6.2	8.1	1.092	0.5	3.5	2.9	Graduate
22 TX08352-5Ru	1	Dual	453	379	83	6.4	6.7	1.068	1.8	2.3	3.1	Return
Entry Means			539	433	80	6.2	8.0	1.084	0.7	2.8	2.5	

¹ Numeric values represent means across all trial locations.

² Data shown from late trial results unless early trial entry only. (Entries 4, 12, 16)

³ Data shown from combined early & late trial results.

TABLE 16: 2015 Western Regional Potato Variety Trial - 3 YEAR SUMMARY OF GRADUATING ENTRIES - LATE TRIAL LOCATION MEANS

Clone	2013						2014						2015					
	Total Yield ¹ &(rank)	US #1 Yield ¹ & %	SG	Fry 45	Merit Score Fresh	Proc	Total Yield ¹ &(rank)	US #1 Yield ¹ & %	SG	Fry 45	Merit Score Fresh	Proc	Total Yield ¹ &(rank)	US #1 Yield ¹ & %	SG	Fry 45	Merit Score Fresh	Proc
AO01114-4 ²	398 (12/13)	330 82	1.087	2.1	2.7	2.6	449 (13/16)	362 81	1.088	1.7	2.9	2.8	386 (18/22)	308 80	1.076	.	2.7	2.1
OR05039-4	492 (7/13)	430 87	1.083	0.5	2.6	3.4	494 (11/16)	430 87	1.085	0.2	2.6	4.0	535 (12/19)	452 85	1.085	0.2	2.6	3.7
POR06V12-3	501 (6/13)	421 83	1.089	0.7	3.3	3.3	522 (8/16)	435 82	1.092	0.4	3.5	4.0	567 (9/19)	475 82	1.092	0.5	2.9	3.5
RANGER R.	572 (2/13)	437 77	1.084	1.5	2.4	3.3	531 (7/16)	427 80	1.085	1.8	2.6	2.6	607 (4/19)	454 75	1.088	1.1	2.3	2.9
R. NORKOTAH	400 (11/13)	320 77	1.070	1.6	3.1	2.7	418 (16/16)	363 86	1.072	2.3	3.1	2.0	454 (19/19)	382 84	1.069	1.4	2.7	1.9
R. BURBANK	487 (9/13)	337 69	1.076	1.7	2.2	2.5	538 (5/16)	373 68	1.078	2.4	1.9	2.4	606 (6/19)	385 64	1.081	1.0	1.8	2.3
Trial Mean	476	378 78	1.081	1.3	2.8	3.0	509	424 83	1.083	1.2	3.3	2.8	556	450 80	1.085	0.7	2.5	2.8

² AO01114-4 in 2015 was Early Trial only entry. Excluded from the 3 Year Average for Total Yield.

3 Year Average (2013-2015)

Clone	3 Year Average								Noted Weaknesses	Noted Strengths
	Total Yield ¹ &(rank) ³	US #1 Yld ¹ %	SG	FRY 45	Merit Score Fresh	Proc				
AO01114-4 ²	423 (13)	333 81	1.084	1.9	2.8	2.5			Susc. to shatter bruise in late trials (2/2)	None noted over two or more years of trials
OR05039-4	507 (38)	438 86	1.084	0.3	2.6	3.7			Higher glycos (3/3 @ 10, 13.9, 16); Low Vitamin C (3/3); Susc. to common scab (2/3) and tuber early blight (3/3)	Resistant to foliar early blight (2/3) and corky ringspot (3/3); Higher protein (3/3);
POR06V12-3	530 (52)	443 82	1.091	0.5	3.2	3.6			Higher glycos (3/3 @ 19, 14.2, 16.2); Hollow heart in early trials (2/3); low Vitamin C (2/3)	Cold-sweet res.(2/3);Resistant to: Corky Ringspot (3/3),Fusarium (sam) (3/3), Vert/ Early Die (2/3), and foliar early blight (2/3)
RANGER R.	570 (73)	440 77	1.086	1.5	2.4	2.9				¹ (CWT/A)
R. NORKOTAH	424 (05)	355 82	1.070	1.8	3.0	2.2				³ Percent of entries with lower yields; e.g. 13% of all late trial entries over three years yielded lower than AO1114-4
R. BURBANK	544 (56)	365 67	1.078	1.7	1.9	2.4				
Trial Mean⁴	514	417 80	1.083	1.1	2.8	2.9				⁴ Late Trial means of all trial entries 2013-2015

TABLE 17: 2015 Western Regional Potato Variety Trial - ENTRY COMMENTS - EARLY HARVEST

No. Clone	ID PAR	TX		OR HRM	WA OTH
		DAL	SPR		
1 Ranger Russet	little curvy, GC	skinny pointed, deep eyes, small	small, skinny, B's, poor shape,	Curvy x4, Irregular x4, twins x1, pty x 2, Knobs	Long, skinny, sticky stolons.
2 Russet Burbank	GC,knobs	small, heavy set, skinny, rough, many culls	poor shape, heat sprouts, second growth, knobs, skinny, pointed	Irregular x 4, Bottle x3, thin x 2, Curvy x2, rot x 2, bad	Mostly ttypy, smaller, some irregular shapes.
3 Russet Norkotah	good shape	too long, rough, oversized, curved, many culls, skinny	second growth, raised eyes, small, nice shape	Typy x 2, Curvy x2, low yield, Pty x1	Mostly ttypy, some points.
4 Shepody	GC	many culls, oversized	knobs, small, skinny	irreg x3, sticky x2, ugly x2, knobs x2	Short, plump, large, light skin, irregular shapes.
5 A03141-6	light russet, skinning	too long, rough, oversized	heat sprouts, blocky, rough, poor shape, light net, very small, some pointed	pty x3, good yi x2, soft rot x2	Short, plump, spotty russetting, bad skin.
6 A03921-2	decent shape	light net, light set, nice shape	pointed, light net	rot x2, patchy russet x3, sticky x2, russet on bud ends x2	Light russetting, shape a bit irregular, bad skin.
7 A06021-1T	smooth	some blocky	heavy set, nice shape, BOT-	lent x2, ttypy x3, small	Typy, large, skin a bit irregular.
8 A06084-1TE	average, pointy	curved, skinny, hollow heart, pointed, heavy set,	heavy set, variable, size, drop, poor shape, small, light set	soft rot x2, dotty x3, ttypy x3	Typy, smaller, dark russet.
9 A06862-18VR	patchy skin, ugly	smooth skin, deep eyes	drop, B's, poor internals, small	deep eyes x2, SB x3, spr x3, irreg x3, sticky x3	Short, irregular shaped, light skin.
10 A06914-3CR	light russet	smooth, skinny, small, pointed	knobs, heat sprouts, drop, skinny, light net	soft rot +++ x2, pty x2, tuber worm x2	Light skin, short, round.
11 AC05039-2RU	very smooth	rough, hollow heart, drop, small poor shape	nice shape, blocky, drop, small, nice shape, light set,	lent x3, c shaped x3	Typy, looks like Norkotah, some irregular shapes.
12 AO01114-4	good shape, blocky	deep eyes	nice shape, small	typy x4, prominent eyes x2, , scab x3	Small, medium, ttypy, lots of elephant hide.
13 AO03123-2	patchy skin	too long, light skin, pointed, raised eyes, skinny	pointed, variable size, curved, pointed, skinny, light net, poor shape	pty x2, knob, chain, sticky x2	Not early! Small, somewhat ttypy, medium russet.
14 AOR06070-1KF	pointy	too long, pointed, poor shape	dumbbell, misshapen, poor net, skinny, small, light net,	thin x2, variable russet x2, long x2, sticky x2, pty x2	Dark spotty skin, long, good size.
15 CO05068-1RU	roundish, flat, sprouts	blocky, nice skin, deep eyes, poor shape	heat sprouts, too small, B's	dotty x3, sticky x4, chain x2, spr x3	Short, irregular shapes, mostly ttypy.
16 CO05110-6RU	roundish, nice skin	nice skin and shape, blocky, some oversized, hollow heart	nice, nice shape, small	dotty x2, pear x2, triangular x2, irreg x2	short, irregular shapes, not early.
17 CO05175-1RU	long, skinning,curvy	some pointed, skinny	skinny, drop, pointed, light net, very skinny, poor shape	sticky x3, dotty x2, thin x2, pty x3	Mostly ttypy, nice size, puffed wheat skin.
18 COTX09022-3RuRE/Y	pinkish,yellow flesh	red eyes, growth cracks, hollow heart, nice fat tubers, stem end discoloration	yellow flesh color 3.5, blocky, keep, BOT, nice shape, small, nice flesh	flakey x3, ugly x3, soft rot x2, spr x3	Round, Many growth cracks with pink eyes!
19 COTX09052-2Ru	patchy skin, small	small, smooth skin, long, heavy set, skinny, pointed	a little pointed, BOT, nice shape, did not size, B's	small x2, ttypy x3	Short, some ttypy, irregular shapes.
20 OR05039-4	long, curvy, patchy skin, skinning	light skin color, skinny, some pointed,	ight net, some curved, light set	smooth x2, thin & long x2	Light skin, mostly ttypy, with road mapping.
21 POR06V12-3	skinning	smooth nice shape, hollow heat++	shape?, drop, low yield	heavy russet x3, sticky x3, ttypy x4	Typy, heavy russet.
22 TX08352-5Ru	low set	blocky, fat tubers, BOT+, nice shape	uniform, smaller than normal, too round, blocky	dotty x2, ttypy x3, fresh potential	Looks like Classic, except a wider range of sizes.

TABLE 18: 2015 Western Regional Potato Variety Trial - ENTRY COMMENTS - EARLY AND LATE HARVEST

		Entry Comments - Late Harvest						
No.	Clone	CA	CO	ID			OR	WA
		TUL	SLV	AB	KIM	PAR	HRM	OTH
1	Ranger Russet	Oblong, lumpy, non-uniform	.	MHR, Curved, D. Eyes, Knobs	Curves, Few Folds, Few Points	nice, long, blocky	snaky x4, curvy x4, irreg x3, long x2	Mostly typy, long.
2	Russet Burbank	Mild skin set	.	MHR, Knobs, Bumps, MS, GC, Ugly	Some Green, Some Mis-Shapen	knobs. Jelly ends, curved	knobs x4, db x3, irreg x3, pty x2	Mostly typy, a bit rough, knobs and cracks.
3	Russet Norkotah	non-uniform	pink inside	HR, SD Eyes, Shatter, Small	Some Points	nice shape	typy x4, low yi x2, pro. eyes x2, tuber worm x2	Typy, dark russet. Poor skin set.
4	Shepody	.	.	.	.	.	.	.
5	A03141-6	Skins easily	rough, light russet, pink inside	MR-Patchy/Skinned, Big, Bumps, Ugly	Big, Variable Skin	skinning, pointy, irregular, not uniform, big	deep eyes x2, pty x2, curvy x3, extra large x3	Large, bad skin set, bumby
6	A03921-2	very light russet, lumpy	light russet	LR-Splotchy, GRN, Bumps	IBS, Variable Skin, Some Bulging Eyes	smooth, nice, blocky	typy x3, flat x3, sticky x2, rot x3	Bad skin, rhizoc and prescab.
7	A06021-1T	large amount of ruptured lenticels	.	MHR, Shatter, Some MS,	Nice	smooth, nice	pty x4, typy x3, rot x2	Typy medium russet.
8	A06084-1TE	.	.	MHR, Knobs, Brow, MS	Rot	pointy, blocky	curvy x4, pty x4, pixel x3, thin x3	Large, blocky, but bad skin! Dehy only?
9	A06862-18VR	.	.	MR, Small, Round, SD Eyes	Round, Some Short and Shatter	blocky, big, folded ends, round	squishy x3, SB x3, deep eyes x3	Short and a bit round.
10	A06914-3CR	lumpy, very light russetting	blocky, light russet	MLR, Bumps, Knobs, MS	Lots of Rot, Some GRN	GC, split ends	curvy x4, thin x2, irreg x2, knobs x2	irregular shapes, rough, DISCARD!
11	AC05039-2RU	curved shape, non-uniform	some pointed	MHR-HR, Uniform, Few MS	Lenticels, Rough	low yield, smooth, pointy	lenticel x2, curvy x4, spr x2, c shaped x3	Lots of smaller ones with curves.
12	AO01114-4	.	.	.	.	.	.	.
13	AO03123-2	non-uniform shape	small	MR, Knobs, Shatter, GRN	Knobs	bumpy, little curved	curvy x3, cracky x2, irreg x2, long x2	Larger, mostly typy, okay length.
14	AOR06070-1KF	Long tubers, blotchy russetting	.	MHR, Big/Long, Checking	Long, Points, Some Shatter	pointy, blocky, big	pty x4, bot x2, process only	Large, Dark Russet, blocky, somewhat typy, bad skin.
15	CO05068-1RU	Pink eyes	some pointed	MHR, Big/Long, MS, Some MS	Lumpy, Flat, ATS	not uniform, round, big	FBE x3, dotty x4, pixel x4, spr x4, flat x3, chain x4	Flat, oval, irregular shapes with bad skin.
16	CO05110-6RU	.	.	.	.	.	.	.
17	CO05175-1RU	Blocky shape, non-uniform	.	MHR, Big/Long, Few MS	Nice, Some HH	long, curved, big	curvy x4, pty x3	Typy, good size, medium russet.
18	COTX09022-3RuRE/Y	Blochy russetting, pink eyes, round shape	.	.	Ugly Pink Eyes, GC, MS	pink eyes, roundish, GC	spr x4, pink eye x2, GC x2, flakey x3	Round, pink eyes, 1/2 cracks, DISCARD!!
19	COTX09052-2Ru	Flat shape	.	MR-MHR, Small, Few GRN/MS	Small	long, good shape, alligator hide, smooth	typy x4, small x3, scab x2, fresh market x2	Too small, typy, some round.
20	OR05039-4	Very light russetting, ruptured lenticels	very light russet	MLR, Big/Long, Uniform,	Variable Skin	folded ends	thin x3, GC x3	Bad skin, scab, irregular shapes, light skin.
21	POR06V12-3	non-uniform shape	pointed	HR, Few Bumps/MS	Some GRN, Bulging Eyes	blocky, bumpy, blocky	typy x4, heavy russetting x4,, sticky x3	Typy, dark russet, nice.
22	TX08352-5Ru	Blochy russetting, lumpy	.	.	Low Yield	uniform, good shape, nice	typy x4, attractive, nice, dotty	Typy, but too small.