

2010 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

State Experiment Stations and
USDA-ARS Cooperating

California

Colorado

Idaho

Oregon

Texas

Washington



2010 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

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Western Regional Potato Variety Trial Reports (1998-2010) can be accessed at the following websight:

www.ars.usda.gov/main/docs.htm?docid=3019

Compiled by Brian Schneider

TABLE 1: 2010 Western Regional Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

No.	Locations	Cooperators	Trial	Irrigation	Fertilizer N-P-K-S(lb/A)	Planting Date	Vine Kill Date	Days to Vine Kill	Days to Harvest	Herbicides	Pesticides Applied ¹	
											Insecticides	Fungicides
1	Tulelake California (TUL)	D. Kirby, R. Wilson	Late	Sprink.	195-246-6-84	13-May	16-Sep	126	147	Outlook Matrix Sencor	Movento Coragen	Bravo, Quadris Blocker
Chemical												
2	San Luis Valley Colorado (SLV)	D. Holm, C. Gray	Late	Pivot	120-60-40-0+	14-May	1-Sep	110	136	Dual Magnum	Endigo ZC Fulfill	Bravo WS Quadris
Sulfuric Acid												
3	Aberdeen Idaho (AB)	J. Stark, R. Novy, J. Whitworth, P. Bain, M. Chappell	Late	Sprink.	135-105-0	3-May	2-Sep	122	147	Sencor Matrix, Eptam	Admire Pro	Echo
Mechanical												
4	Kimberly Idaho (KIM)	J. Stark, R. Novy, J. Whitworth, P. Bain, M. Chappell	Late	Sprink.	300-200-0	27-Apr	7-Sep	133	155	Eptam Matrix SG Sencor DF	Gaucho seed trt.	Rimon Bravo Weather Max
Mechanical												
5	Parma Idaho (PAR)	M. Thornton, B. Buhrig, A. French, M. Martin	Early	Sprink.	160-180-125	6-Apr	26-Jul	111	118	Prowl Outlook Eptam	Temik Leverage	Gavel, Amistar Headline, Bravo Endura, Dithane
Mechanical												
6	Hermiston Oregon (HRM)	D. Hane	Late	Pivot	275-280-300-40+	5-Apr	2-Sep	150	164	Eptam Matrix	Mocap, Admire Monitor, Asana Onager, Comite	Vapam, Ridomil Gold Bravo, Dithane Quadris, Omega
Mech./Enquik												
7	Merrill Oregon (KLA)*	B. Charlton, D. Culp	Late	Sprink.	160-191-185-97+	13-May	2-Sep	112	151	Matrix Metribuzin	Admire Pro	Topps MZ, Quadris Ridomil, Bravo Headline, Endura
Rely												
8	Springlake Texas (SPR)	J. C. Miller Jr., J. Koym, D. Schuering	Early	Pivot	201-33-33-24	31-Mar	16-Aug	138	148	Sencor Roundup Treflan	Admire Pro, Rimon Movento, Fulfill, Tracer Agrimek, Venon, Abacus	Bravo, Dithane Quadris, Super Tin
Mechanical												
9	Othello (OTH) Othello (OTH) Washington	M. Pavek, R. Knowles	Early	Sprink.	165-110-450	7-Apr	4-Aug	119	138	Prowl H2O Matrix Sencor	Platinum Success, Quadris Telone C 17	Penncozeb Omega
Mechanical												

¹**Bold indicates use in both early and late trials.**

TABLE 2: 2010 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	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	95	Long 4.6	Med Russet 3.8	Med-Large 3.3	Medium 3.3	2.0		
2	Russet Burbank	Early Rose ?	W	Ck Dual	E/L	-	OR	97	Long 4.2	Med Russet 3.7	Med-Large 3.7	Medium 3.1	2.3		
3	Russet Norkotah	ND9687-5Rus ND9526-4Rus	W	Ck Fresh	E/L	-	OR	96	Obl-Lng 4.0	Med Hvy Rus 4.1	Small 2.4	Early 1.9	2.3		
4	A97066-42LB	AWN86514-2 A86102-6	W	ID Proc	E/L	3	OR	92	Oblong 3.5	Light Russet 2.4	Med-Large 3.8	Med-Late 3.8	1.5		
5	A98345-1	Ranger R Premier	W	ID Dual	E/L	2	OR	94	Oblong 3.4	Light Russet 2.8	Med-Large 3.6	Medium 3.2	2.2		
6	A0008-1TE	Blazer Russet Classic	W	ID Dual	E/L	3	OR	91	Obl-Lng 3.7	Med Russet 3.6	Small 2.4	Early 2.3	2.5		
7	A00324-1	A95038-1 GemStar Russet	RP	ID Dual	E/L	1	OR	95	Obl-Lng 3.9	Med Russet 3.4	Med-Large 3.2	Medium 3.2	2.3		
8	A01010-1	A92303-7 A96004-8	W	ID Dual	E/L	1	OR	96	Obl-Lng 3.9	Med Hvy Rus 4.2	Med-Large 3.8	Medium 3.4	3.0		
9	AC99375-1RU	AWN86514-2 A89384-10	W	CO Dual	E/L	2	CO	96	Oblong 3.4	Med Russet 3.5	Large 4.5	Late 4.1	2.4		
10	AO00057-2	A91048-3 A93116-3BSR	W	OR Dual	E/L	1	OR	94	Obl-Lng 3.6	Med Hvy Rus 4.2	Med-Large 3.5	Medium 3.4	1.6		
11	AO96305-3	A91018-6 A89152-4	RP	OR Dual	E/L	2	OR	92	Long 4.6	Med Russet 3.1	Medium 2.8	Med Early 2.6	2.3		
12	AOTX95265-1Ru	A89216-9 A86102-6	W	TX Fresh	E/L	1	CO	95	Obl-Lng 3.8	Med Hvy Rus 4.2	Med-Large 3.1	Med Early 2.6	2.8		
13	AOTX96216-2Ru	A9082-2 A86102-6	W	TX Fresh	E/L	1	CO	90	Obl-Lng 3.6	Heavy Rus 4.7	Med-Large 3.6	Med-Late 3.8	1.7		
14	AOTX96265-2Ru	A90621-4 A84180-8	W	TX Fresh	E/L	1	CO	97	Oblong 3.3	Med Russet 4.0	Med-Large 3.4	Medium 3.1	2.5		
15	CO98067-7RU	Silverton Russet TC1675-1	W	CO Dual	E/L	3	CO	96	Oblong 3.5	Med Hvy Rus 4.1	Med-Large 3.1	Early 2.5	2.8		
16	CO99053-3RU	AC91014-2 Silverton Russet	W	CO Dual	E/L	2	CO	93	Obl-Lng 4.0	Med Russet 3.6	Med-Large 3.3	Medium 3.4	2.6		
17	CO99053-4RU	AC91014-2 Silverton Russet	W	CO Fresh	E/L	2	CO	94	Long 4.1	Med Russet 3.6	Medium 2.6	Early 2.1	2.8		
18	CO99100-1RU	AC93047-1 Silverton Russet	W	CO Fresh	E/L	2	CO	96	Obl-Lng 3.6	Med Russet 3.8	Small 2.3	Early 1.7	2.2		
19	PA00N14-2	PA95A14-22 (Bulk Rus + Gem)	W	WA Dual	E/L	2	OR	91	Long 4.4	Med Russet 3.4	Medium 3.0	Early 2.5	2.2		
20	PA99N2-1	AO84275-3 G6582-3	W	WA Proc	E/L	3	OR	87	Oblong 2.9	Med Russet 3.7	Med-Large 3.2	Medium 3.5	2.6		
21	PA99N82-4	PA95B4-149 Rus bulk	W	WA Proc	E/L	3	OR	92	Rnd-Obl 2.4	Med Hvy Rus 4.3	Med-Large 3.3	Medium 3.2	2.5		

¹ P=Purple, R=Red, W=White

² Numerical values are means of all trial locations.

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: 2010 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	TX	WA	Entry			CA	CO	ID			OR	WA	Entry			
	PAR	SPR ¹	OTH	Mean/Rank			TUL	SLV	AB	KIM	PAR	HRM	KLA	OTH	Mean/Rank		
1 RANGER R.	493	144	578	536	13	abc	437	470	445	473	571	941	482	782	575	7	bcdef
2 R. BURBANK	523	146	636	579	4	ab	419	489	491	529	563	821	411	683	551	8	cdefg
3 R. NORKOTAH	513	134	498	506	17	abcd	385	382	430	414	546	399	460	532	444	19	hij
4 A97066-42LB	364	92	444	404	21	d	404	370	386	387	482	900	.	696	518	13	
5 A98345-1	496	112	663	579	4	ab	521	543	494	585	495	1150	482	1010	660	2	ab
6 A0008-1TE	529	194	584	557	9	abc	452	397	390	418	593	566	431	671	490	16	efghij
7 A00324-1	504	95	588	546	11	abc	388	504	494	538	562	1035	497	889	613	4	abc
8 A01010-1	511	78	653	582	3	ab	495	489	505	549	542	1224	498	931	654	3	ab
9 AC99375-1RU	454	59	663	558	7	abc	511	435	514	554	568	1185	518	1148	679	1	a
10 AO00057-2	428	105	527	478	19	bcd	454	388	466	381	497	701	474	863	528	11	cdefgh
11 AO96305-3	489	114	571	530	15	abc	370	426	392	372	551	613	432	650	476	18	ghij
12 AOTX95265-1Ru	566	138	550	558	7	abc	409	474	459	429	482	464	478	637	479	17	fghij
13 AOTX96216-2Ru	419	91	631	525	16	abc	392	398	374	455	471	976	490	772	541	9	cdefgh
14 AOTX96265-2Ru	455	80	615	535	14	abc	390	436	351	430	508	944	427	726	527	12	cdefgh
15 CO98067-7RU	599	69	617	608	1	a	383	475	439	436	473	679	443	709	505	15	defghi
16 CO99053-3RU	492	81	520	506	17	abcd	413	474	477	444	429	831	444	782	537	10	cdefgh
17 CO99053-4RU	469	112	453	461	20	cd	368	365	373	321	408	502	406	559	413	20	ij
18 CO99100-1RU	595	189	574	584	2	a	389	313	347	382	432	390	398	518	396	21	j
19 PA00N14-2	532	83	553	543	12	abc	413	452	477	477	559	601	428	665	509	14	defghi
20 PA99N2-1	521	42	593	557	9	abc	437	426	495	511	530	1071	442	898	601	5	abcd
21 PA99N82-4	501	53	639	570	6	ab	400	407	387	510	453	1007	490	1004	582	6	abcde
Location Means	498	105	578	538			420	434	437	457	510	810	457	768	537		

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

¹Springlake Texas excluded from means and statistical analysis.

Indicates high or strength

Indicates low or weakness

TABLE 4: 2010 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	TX	WA	Entry		CA	CO	ID			OR		WA	Entry			
	PAR	SPR ¹	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	KLA	OTH	Mean/Rank			
1 RANGER R.	443	80	532	488	10	ab	328	425	362	384	516	747	361	670	474	8	bcdefg
	90	55	92	91	4		75	90	81	81	90	79	75	86	82	12	
2 R. BURBANK	379	12	520	449	16	ab	316	369	325	398	469	571	292	536	409	16	efghij
	73	8	82	77	20		75	75	66	75	83	70	71	78	74	21	
3 R. NORKOTAH	471	104	421	446	17	ab	299	351	347	351	466	303	377	393	361	19	hij
	92	78	84	88	11		78	92	81	85	85	76	82	74	82	12	
4 A97066-42LB	242	36	350	296	21	c	313	292	325	305	448	755	.	620	437	11	
	66	39	79	73	21		77	79	84	79	93	84	.	89	84	9	
5 A98345-1	444	68	593	519	2	a	447	504	455	510	463	1022	405	951	595	1	a
	90	60	90	90	7		86	93	92	87	94	89	84	94	90	2	
6 A0008-1TE	473	159	532	503	4	ab	388	353	335	342	552	455	337	593	419	14	efghij
	89	82	91	90	7		86	89	86	82	93	80	78	88	85	8	
7 A00324-1	459	68	527	493	9	ab	316	454	433	456	507	905	385	823	535	4	abc
	91	71	90	90	7		81	90	88	85	90	87	78	93	86	6	
8 A01010-1	415	44	556	486	11	ab	426	434	435	477	486	1059	411	817	568	2	ab
	81	56	85	83	17		86	89	86	87	90	87	83	88	87	5	
9 AC99375-1RU	348	13	562	455	15	ab	415	377	393	389	509	931	365	1013	549	3	abc
	77	22	85	81	19		81	87	76	70	90	79	70	88	80	15	
10 AO00057-2	392	73	481	436	19	ab	384	340	419	334	466	568	400	813	466	9	cdefg
	91	69	91	91	4		85	88	90	88	94	81	84	94	88	3	
11 AO96305-3	452	84	517	484	12	ab	312	382	338	328	502	523	372	590	418	15	efghi
	92	73	91	91	4		84	90	86	88	91	85	86	91	88	3	
12 AOTX95265-1Ru	497	93	454	475	14	ab	317	444	369	338	396	343	378	499	386	17	fghij
	88	67	83	85	15		78	94	80	79	82	74	79	78	80	15	
13 AOTX96216-2Ru	401	52	619	510	3	ab	289	222	266	391	456	873	235	739	434	12	defgh
	95	57	98	97	1		74	56	71	86	97	89	48	96	77	19	
14 AOTX96265-2Ru	425	59	579	502	6	ab	347	407	313	387	481	879	371	669	482	7	bcdef
	93	74	94	94	2		89	93	89	90	95	93	87	92	91	1	
15 CO98067-7RU	510	37	495	503	4	ab	266	426	305	331	364	513	319	533	382	18	ghij
	85	54	80	83	17		69	90	69	76	77	76	72	75	76	20	
16 CO99053-3RU	414	46	470	442	18	ab	352	432	331	363	382	723	337	698	452	10	cdefgh
	84	57	90	87	14		85	91	69	82	89	87	76	89	84	9	
17 CO99053-4RU	414	57	369	391	20	bc	292	329	301	242	351	353	300	442	326	20	ij
	88	51	81	85	15		79	90	81	75	86	70	74	79	79	17	
18 CO99100-1RU	551	170	530	540	1	a	351	161	279	331	412	286	282	447	319	21	j
	93	90	92	93	3		90	51	80	87	96	73	71	86	79	17	
19 PA00N14-2	475	61	480	478	13	ab	325	330	384	422	510	522	308	588	424	13	efghi
	89	74	87	88	11		79	73	81	88	91	87	72	88	82	12	
20 PA99N2-1	450	12	553	502	6	ab	357	353	435	461	464	960	353	825	526	5	abcd
	86	29	93	90	7		82	83	88	90	88	90	80	92	86	6	
21 PA99N82-4	440	27	561	500	8	ab	310	351	311	458	381	870	321	924	491	6	bcde
	88	51	88	88	11		78	86	80	90	84	86	65	92	83	11	
Location Means	433	64	510	471			340	368	355	381	456	674	345	675	450		
	87	58	88	87			81	84	81	83	89	82	76	87	83		

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

¹Springlake Texas excluded from means and statistical analysis.

TABLE 5: 2010 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 (CWT/A) and %											
	ID	TX	WA	Entry		CA	CO	ID			OR		WA	Entry			
	PAR	SPR ¹	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	KLA	OTH	Mean/Rank			
1 RANGER R.	76	10	120	98	5	bc	71	188	83	106	192	475	154	296	196	6	bcdef
	15	7	21	18	6		16	40	19	22	34	50	32	38	31	6	
2 R. BURBANK	6	0	89	48	14	bc	35	122	30	94	70	266	64	156	105	14	efghijk
	1	0	14	8	14		8	25	6	18	12	32	16	23	18	14	
3 R. NORKOTAH	80	0	37	58	13	bc	28	189	42	51	53	24	140	48	72	17	ijk
	16	0	7	12	11		7	50	10	12	10	6	30	9	17	16	
4 A97066-42LB	0	0	37	19	19	c	74	62	51	99	202	432	.	322	177	10	
	0	0	8	4	18		18	17	13	26	42	48	.	46	30	8	
5 A98345-1	45	15	197	121	3	bc	119	224	86	215	164	758	167	478	276	2	ab
	9	13	30	19	3		23	41	17	37	33	66	35	47	37	4	
6 A0008-1TE	71	50	146	108	4	bc	77	117	33	54	175	94	73	146	96	15	ghijk
	13	26	25	19	3		17	29	8	13	29	17	17	22	19	12	
7 A00324-1	116	2	161	138	2	b	105	227	175	259	191	591	121	457	266	3	abc
	23	2	27	25	2		27	45	35	48	34	57	24	51	40	2	
8 A01010-1	4	0	14	9	21	c	42	119	68	41	34	512	100	127	130	12	defghij
	1	0	2	1	21		8	24	13	7	6	42	20	14	17	16	
9 AC99375-1RU	19	0	100	59	12	bc	64	90	69	51	112	321	61	377	143	11	defghi
	4	0	15	10	12		13	21	13	9	20	27	12	33	18	14	
10 AO00057-2	70	1	113	92	8	bc	94	151	153	125	251	315	154	541	223	4	bcd
	16	1	21	19	3		21	39	33	33	51	45	33	63	40	2	
11 AO96305-3	59	2	135	97	7	bc	16	152	69	48	158	168	104	194	114	13	efghijk
	12	2	24	18	6		4	36	18	13	29	27	24	30	23	11	
12 AOTX95265-1Ru	57	0	28	43	15	bc	27	261	54	31	67	40	169	71	90	16	hijk
	10	0	5	8	14		7	55	12	7	14	9	35	11	19	12	
13 AOTX96216-2Ru	203	17	531	367	1	a	198	180	209	301	385	760	136	636	351	1	a
	48	18	84	66	1		51	45	56	66	82	78	28	82	61	1	
14 AOTX96265-2Ru	50	3	128	89	9	bc	64	164	104	46	118	624	131	236	186	8	bcdefg
	11	4	21	16	9		16	38	30	11	23	66	31	32	31	6	
15 CO98067-7RU	15	0	14	14	20	c	10	127	5	33	17	81	46	69	49	19	ijk
	2	0	2	2	20		3	27	1	8	4	12	10	10	9	20	
16 CO99053-3RU	46	0	110	78	10	bc	105	299	151	102	154	411	117	299	205	5	bcde
	9	0	21	15	10		25	63	32	23	36	49	26	38	37	4	
17 CO99053-4RU	32	0	28	30	17	bc	24	95	24	15	56	54	66	16	44	20	jk
	7	0	6	7	17		7	26	6	5	14	11	16	3	11	19	
18 CO99100-1RU	99	35	96	98	5	bc	83	49	20	16	94	27	119	73	60	18	ijk
	17	18	17	17	8		21	16	6	4	22	7	30	14	15	18	
19 PA00N14-2	25	0	19	22	18	c	11	13	5	34	22	48	13	57	25	21	k
	5	0	4	4	18		3	3	1	7	4	8	3	9	5	21	
20 PA99N2-1	41	0	45	43	15	bc	123	146	100	123	55	461	105	308	178	9	cdefgh
	8	0	8	8	14		28	34	20	24	10	43	24	34	27	10	
21 PA99N82-4	45	0	75	60	11	bc	106	120	20	175	26	488	122	457	189	7	bcdefg
	9	0	12	10	12		27	30	5	34	6	48	25	46	28	9	
Location Means	55	6	106	81			70	148	74	96	123	331	108	255	151		
	11	4	18	15			17	33	17	20	24	36	24	31	25		

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

¹Springlake Texas excluded from means and statistical analysis.

TABLE 6: 2010 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	TX	WA	Entry		CA	CO	ID	OR	WA	Entry						
	PAR	SPR ¹	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	KLA	OTH	Mean/Rank			
1 RANGER R.	47	17	39	43	14	efg	48	34	19	27	40	37	35	78	40	16	fgh
	10	12	7	8	15		11	7	4	6	7	4	7	10	7	15	
2 R. BURBANK	108	16	73	91	5	abc	67	84	56	40	68	57	47	70	61	7	bcde
	21	11	12	16	5		16	17	11	8	12	7	11	10	12	7	
3 R. NORKOTAH	39	19	70	54	13	defg	64	16	52	53	78	88	32	134	65	4	bc
	8	14	14	11	10		17	4	12	13	14	22	7	25	14	3	
4 A97066-42LB	122	49	88	105	1	a	46	73	44	24	31	61	.	59	48	9	
	34	53	20	27	1		11	20	11	6	6	7	.	8	10	8	
5 A98345-1	50	14	59	55	11	defg	45	37	20	21	31	44	34	48	35	17	gh
	10	12	9	10	12		9	7	4	4	6	4	7	5	6	18	
6 A0008-1TE	43	13	42	42	15	efg	52	31	27	39	35	78	47	61	46	11	defg
	8	7	7	8	15		12	8	7	9	6	14	11	9	9	10	
7 A00324-1	33	11	34	34	17	fgh	27	26	21	21	37	38	36	45	31	19	gh
	7	11	6	6	17		7	5	4	4	7	4	7	5	5	19	
8 A01010-1	95	24	95	95	4	ab	56	47	30	39	54	62	35	106	54	8	bcdef
	19	30	15	17	3		11	10	6	7	10	5	7	11	8	13	
9 AC99375-1RU	104	42	91	97	3	ab	64	56	55	61	50	121	52	50	64	5	bc
	23	71	14	18	2		13	13	11	11	9	10	10	4	10	8	
10 AO00057-2	37	29	45	41	16	efg	45	44	19	28	28	45	37	30	35	17	gh
	9	27	9	9	14		10	11	4	7	6	6	8	3	7	15	
11 AO96305-3	20	19	32	26	20	gh	54	35	22	36	36	67	33	53	42	15	fgh
	4	16	6	5	20		15	8	6	10	7	11	8	8	9	10	
12 AOTX95265-1Ru	64	27	90	77	6	abcd	76	22	44	75	84	99	28	126	69	3	b
	11	20	16	14	7		19	5	10	17	17	21	6	20	14	3	
13 AOTX96216-2Ru	11	11	5	8	21	h	11	7	4	6	5	12	9	9	8	21	i
	3	12	1	2	21		3	2	1	1	1	2	1	2	2	21	
14 AOTX96265-2Ru	26	17	35	30	19	gh	37	23	10	34	25	25	17	49	27	20	h
	6	21	6	6	17		9	5	3	8	5	3	4	7	5	19	
15 CO98067-7RU	86	21	117	102	2	a	85	46	97	78	105	113	62	169	94	1	a
	14	30	19	17	3		22	10	22	18	22	17	14	24	19	1	
16 CO99053-3RU	76	26	49	63	8	cdef	43	26	29	40	43	56	39	73	44	13	efgh
	16	32	9	12	8		10	5	6	9	10	7	9	9	8	13	
17 CO99053-4RU	54	36	81	68	7	bcde	52	30	48	67	56	95	54	114	64	5	bc
	12	32	18	15	6		14	8	13	21	14	19	13	20	15	2	
18 CO99100-1RU	35	10	33	34	17	fgh	25	112	27	43	18	70	21	70	48	9	cdefg
	6	5	6	6	17		6	36	8	11	4	18	5	13	13	6	
19 PA00N14-2	56	11	69	63	8	cdef	84	122	58	40	49	71	62	72	70	2	b
	11	13	12	12	8		20	27	12	8	9	12	15	11	14	3	
20 PA99N2-1	71	25	39	55	11	defg	35	36	32	33	57	56	35	60	43	14	fgh
	14	59	7	10	12		8	8	6	6	11	5	8	7	7	15	
21 PA99N82-4	59	16	65	62	10	cdef	32	38	56	24	70	50	33	54	45	12	efgh
	12	30	10	11	10		8	9	14	5	16	5	7	5	9	10	
Location Means	59	21	60	59			50	45	37	39	48	64	37	73	49		
	12	25	11	11			12	11	8	9	9	10	8	10	10		

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

¹Springlake Texas excluded from means and statistical analysis.

TABLE 7: 2010 Western Regional Potato Variety Trial - SPECIFIC GRAVITY - EARLY AND LATE HARVEST

No. Clone	Specific Gravity - Early Harvest					Specific Gravity - Late Harvest											
	ID	TX	WA	Entry		CA	CO	ID			OR		WA	Entry			
	PAR	SPR ¹	OTH	Mean/Rank		TUL	SLV	AB	KIM	PAR	HRM	KLA	OTH	Mean/Rank			
1 RANGER R.	1.084	1.055	1.081	1.082	10	cde	1.093	1.089	1.087	1.088	1.086	1.073	1.086	1.091	1.087	6	bc
2 R. BURBANK	1.085	1.053	1.080	1.082	10	cde	1.090	1.091	1.084	1.082	1.080	1.074	1.084	1.079	1.083	12	def
3 R. NORKOTAH	1.081	1.055	1.077	1.079	18	efg	1.078	1.080	1.078	1.074	1.077	1.054	1.082	1.069	1.074	20	ij
4 A97066-42LB	1.089	1.064	1.085	1.087	2	a	1.100	1.105	1.097	1.102	1.107	1.076	.	1.090	1.097	1	
5 A98345-1	1.087	1.044	1.087	1.087	2	a	1.094	1.098	1.085	1.092	1.093	1.075	1.087	1.092	1.089	4	ab
6 A0008-1TE	1.082	1.052	1.080	1.081	14	def	1.087	1.087	1.082	1.079	1.084	1.066	1.081	1.078	1.081	15	fg
7 A00324-1	1.080	1.059	1.078	1.079	18	efg	1.084	1.089	1.082	1.082	1.084	1.073	1.081	1.083	1.082	14	ef
8 A01010-1	1.084	1.036	1.081	1.082	10	cde	1.089	1.092	1.083	1.090	1.085	1.073	1.085	1.085	1.085	9	cde
9 AC99375-1RU	1.088	1.053	1.089	1.088	1	a	1.101	1.090	1.087	1.099	1.097	1.075	1.093	1.095	1.092	2	a
10 AO00057-2	1.083	1.058	1.082	1.083	7	bcd	1.091	1.113	1.087	1.087	1.094	1.072	1.085	1.088	1.090	3	ab
11 AO96305-3	1.086	1.051	1.086	1.086	6	abc	1.094	1.089	1.088	1.086	1.089	1.071	1.091	1.085	1.087	6	bc
12 AOTX95265-1Ru	1.079	1.053	1.077	1.078	20	fg	1.079	1.085	1.079	1.075	1.074	1.061	1.075	1.072	1.075	19	ij
13 AOTX96216-2Ru	1.080	1.043	1.082	1.081	14	def	1.079	1.091	1.080	1.076	1.085	1.062	1.072	1.070	1.077	17	ghi
14 AOTX96265-2Ru	1.088	1.053	1.085	1.087	2	ab	1.090	1.096	1.087	1.090	1.095	1.073	1.091	1.089	1.089	4	ab
15 CO98067-7RU	1.077	1.040	1.074	1.075	21	g	1.077	1.079	1.074	1.072	1.076	1.059	1.074	1.068	1.072	21	j
16 CO99053-3RU	1.081	1.042	1.084	1.082	10	cde	1.085	1.088	1.085	1.087	1.083	1.067	1.082	1.089	1.083	12	def
17 CO99053-4RU	1.083	1.038	1.083	1.083	7	bcd	1.079	1.088	1.083	1.083	1.087	1.061	1.080	1.077	1.080	16	fg
18 CO99100-1RU	1.081	1.046	1.085	1.083	7	bcd	1.085	1.080	1.076	1.082	1.084	1.060	1.079	1.073	1.077	17	ghi
19 PA00N14-2	1.088	1.055	1.087	1.087	2	a	1.092	1.090	1.090	1.086	1.094	1.068	1.086	1.084	1.086	8	bcd
20 PA99N2-1	1.081	1.048	1.078	1.080	17	def	1.087	1.093	1.084	1.086	1.093	1.071	1.081	1.086	1.085	9	cde
21 PA99N82-4	1.080	1.049	1.082	1.081	14	def	1.085	1.096	1.083	1.089	1.093	1.066	1.078	1.087	1.084	11	cde
Location Means	1.083	1.050	1.082	1.083			1.088	1.091	1.084	1.085	1.088	1.068	1.083	1.082	1.084		

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

¹Springlake Texas excluded from means and statistical analysis.

TABLE 8: 2010 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			
	Early Trial				Late Trial									Early Trial				Late Trial						Late Trial State Means ²			
	ID	TX	WA	Mean	CA	ID			OR			WA	Mean	ID	TX	WA	CA	CO	ID	OR	WA	Mean	ID	HRM	KLA	WA	
	PAR	SPR ¹	OTH		TUL	AB	KIM	PAR	HRM	KLA	OTH	Mean	PAR	SPR	OTH	Mean	TUL	SLV	AB	PAR	KLA	OTH	Mean	ID	HRM	KLA	WA
1 RANGER R.	6.2	4.1	7.6	6.9	6.8	8.3	8.3	7.6	10.9	6.8	7.6	8.1	4.5	4.5	4.0	4.3	4.8	5.0	5.0	5.0	5.0	3.7	4.7	1.92	1.83	2.10	1.54
2 R. BURBANK	5.1	2.8	6.2	5.6	5.8	6.3	7.3	6.2	8.8	5.0	7.1	6.6	4.0	4.0	3.0	3.7	4.7	5.0	4.5	4.5	4.1	3.0	4.3	2.02	1.77	1.88	1.76
3 R. NORKOTAH	6.6	3.8	5.8	6.2	5.8	6.2	6.1	5.9	5.2	6.7	4.9	5.8	4.4	4.4	3.0	3.9	3.9	5.0	4.0	3.5	4.1	4.0	4.1	1.80	1.68	1.67	1.77
4 A97066-42LB	3.9	1.8	5.6	4.7	6.5	6.4	8.2	8.6	9.5	.	8.4	7.9	3.7	3.7	3.0	3.5	4.0	4.0	3.3	3.5	.	2.7	3.5	1.56	1.73	.	1.35
5 A98345-1	6.1	4.3	7.5	6.8	7.3	7.8	9.7	8.0	12.1	7.7	9.4	8.9	4.8	4.8	3.0	4.2	3.9	3.0	3.5	3.0	4.5	2.3	3.4	1.54	1.50	1.66	1.37
6 A0008-1TE	6.8	5.9	7.7	7.2	6.7	6.7	6.9	8.1	8.2	5.4	7.0	7.0	4.0	4.0	3.0	3.7	4.3	4.0	3.0	4.5	3.8	3.0	3.7	1.74	1.68	1.69	1.74
7 A00324-1	7.1	3.3	8.5	7.8	7.6	8.8	10.8	8.4	11.3	6.7	9.6	9.0	4.0	4.0	3.0	3.7	4.4	4.0	4.3	4.0	4.3	3.0	3.9	1.73	1.65	1.81	1.41
8 A01010-1	4.8	2.2	5.5	5.2	6.2	7.2	6.8	6.2	11.6	5.8	6.3	7.2	4.1	4.1	3.0	3.7	4.1	4.0	5.0	4.5	4.4	2.7	4.1	1.92	1.70	1.86	1.54
9 AC99375-1RU	4.8	3.1	6.1	5.5	6.2	6.4	6.5	6.8	8.0	5.4	8.6	6.8	3.5	3.5	3.0	3.3	3.8	4.0	3.5	3.5	4.0	2.3	3.3	1.54	1.59	1.68	1.56
10 AO00057-2	6.6	2.9	7.3	6.9	6.6	8.8	7.9	9.1	8.7	6.5	11.2	8.4	4.0	4.0	3.0	3.7	4.3	4.0	4.0	4.0	4.0	3.0	3.8	1.68	1.55	1.71	1.35
11 AO96305-3	7.3	3.1	7.9	7.6	5.6	8.0	6.6	7.8	7.3	6.6	7.3	7.0	4.1	4.1	4.0	4.1	4.5	5.0	5.0	5.0	4.8	4.0	4.7	2.11	1.84	2.00	1.81
12 AOTX95265-1Ru	6.2	3.3	5.8	6.0	5.4	6.4	5.6	5.6	5.3	6.7	5.5	5.8	4.0	4.0	3.0	3.7	4.2	4.0	4.3	4.0	4.4	3.0	3.9	1.87	1.58	1.71	1.62
13 AOTX96216-2Ru	10.4	4.0	16.0	13.2	11.3	13.7	13.9	14.4	17.7	12.1	16.7	14.3	3.8	3.8	3.0	3.5	3.9	4.0	4.0	3.0	3.5	2.7	3.6	1.58	1.48	1.51	1.36
14 AOTX96265-2Ru	7.2	3.4	7.5	7.3	6.5	8.5	7.1	7.9	12.4	7.5	7.9	8.3	4.0	4.0	2.7	3.6	3.9	4.0	3.0	3.0	3.8	2.3	3.3	1.50	1.51	1.59	1.40
15 CO98067-7RU	5.4	2.2	5.2	5.3	5.0	5.0	5.5	5.0	5.8	4.7	5.0	5.1	3.7	3.7	3.0	3.5	4.0	5.0	2.8	3.5	3.6	2.3	3.4	1.67	1.56	1.55	1.48
16 CO99053-3RU	5.3	3.6	6.8	6.1	6.7	8.7	7.3	7.4	9.3	5.6	7.8	7.5	4.5	4.5	3.0	4.0	4.1	4.0	4.0	5.0	4.1	3.3	3.9	1.63	1.68	1.68	1.54
17 CO99053-4RU	5.6	2.0	5.6	5.6	5.9	5.8	5.1	6.1	5.5	5.2	5.1	5.5	4.4	4.4	3.0	3.9	4.6	4.0	3.8	5.0	4.4	3.3	4.1	1.88	1.70	1.96	1.70
18 CO99100-1RU	7.8	5.0	7.3	7.6	7.4	6.5	6.1	8.0	5.6	7.1	6.1	6.7	4.0	4.0	3.0	3.7	4.4	4.0	3.3	4.0	4.1	3.0	3.6	1.73	1.58	1.77	1.52
19 PA00N14-2	5.7	3.6	5.9	5.8	4.9	5.7	6.6	6.1	6.2	4.6	6.5	5.8	3.8	3.8	4.0	3.9	3.9	5.0	4.8	5.0	4.3	4.0	4.5	2.09	1.77	1.88	1.74
20 PA99N2-1	5.7	1.5	6.7	6.2	7.6	7.4	7.9	6.4	9.4	5.7	8.2	7.5	2.8	2.8	3.0	2.9	3.9	3.0	2.8	2.5	3.3	2.3	2.8	1.20	1.29	1.43	1.33
21 PA99N82-4	5.8	2.4	6.6	6.2	7.4	5.7	9.3	5.7	10.1	6.7	8.9	7.7	3.3	3.3	1.3	2.6	3.8	3.0	2.0	2.0	2.9	1.0	2.5	1.38	1.32	1.26	1.22
Location Means	6.2	3.3	7.1	6.7	6.6	7.3	7.6	7.4	9.0	6.4	7.9	7.5	4.0	4.0	3.0	3.7	4.2	4.1	3.8	3.9	4.1	2.9	3.8	1.72	1.62	1.72	1.53

¹ Springlake Texas excluded from means.² Idaho L/W ratios based on Aberdeen and Kimberly locations; Hermiston and Klamath Oregon locations listed separately; Washington based on Othello location
Washington reported 1.79 for Idaho samples and 1.55 for Oregon samples.

TABLE 9: 2010 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	Oth ²	Ab ³	Early Trial	Late Trial
1 RANGER R.	4.9	4.4	4.9	4.6	5.0	4.8	3.0	3.3	5.0	4.7 AB 3.8
2 R. BURBANK	3.8 PAR 3.3 OTH 3.0	4.0 PAR 3.3	4.4 PAR 3.7	3.9 SLV 2.0	5.0	4.7	2.0	2.7	5.0	5.0
3 R. NORKOTAH	4.9	4.9	4.9	4.7	5.0	4.7	4.0	3.1	5.0	4.7
4 A97066-42LB	5.0	4.7	5.0	4.8	5.0	4.1 PAR 3.3	3.0	3.5	5.0	4.8
5 A98345-1	5.0	4.7	4.9	4.9	4.3	3.1 PAR 3.0 HRM 3.0	1.0	3.0	4.4 OTH 3.3	4.5 AB 3.8
6 A0008-1TE	4.6	4.4	4.8	4.9	4.0 OTH 2	3.9	1.0	2.8	5.0	5.0
7 A00324-1	4.5	4.8	4.8	4.8	4.7	4.4	3.0	3.4	5.0	5.0
8 A01010-1	5.0	4.7	4.9	4.9	5.0	4.6	1.0	2.8	5.0	5.0
9 AC99375-1RU	5.0	4.9	4.9	4.5	5.0	4.3	4.0	3.1	5.0	4.8
10 AO00057-2	5.0	5.0	5.0	4.9	4.3	3.7	2.0	2.9	5.0	5.0
11 AO96305-3	4.2 PAR 3.3	4.6	4.9	4.9	4.3	4.3	2.0	3.2	5.0	4.4 AB 2.8
12 AOTX95265-1Ru	5.0	5.0	4.8	4.7	5.0	4.8	3.0	3.2	5.0	4.8
13 AOTX96216-2Ru	4.5	2.7 AB 1.8 SLV 1.0 TUL & KLA 2.0	4.8	4.3 KLA 2.0	5.0	3.1 HRM 2.9 KLA 2.8	2.0	2.7	5.0	4.1 AB 1.5
14 AOTX96265-2Ru	5.0	5.0	4.9	4.9	5.0	3.3 HRM 2.9 PAR 2.7	2.0	2.6	5.0	4.7
15 CO98067-7RU	5.0	5.0	5.0	4.5	5.0	4.8	5.0	3.5	5.0	5.0
16 CO99053-3RU	5.0	4.9	4.8	4.7	5.0	4.8	5.0	3.4	4.7	4.9
17 CO99053-4RU	4.9	4.7	4.9	4.8	4.7	4.7	3.0	3.4	5.0	4.8
18 CO99100-1RU	4.3	4.7	4.8	4.8	4.3	4.2	2.0	3.2	5.0	4.9
19 PA00N14-2	4.9	5.0	5.0	4.8	5.0	4.8	4.0	3.2	5.0	4.9
20 PA99N2-1	4.9	4.3	4.9	4.3	3.7 OTH 1	3.5 PAR 3.0	1.0	2.3	5.0	5.0
21 PA99N82-4	4.9	4.0 TUL 3.0 KLA 2.9	4.9	4.7 KLA 3.1	3.7 OTH 1	3.1 HRM 2.1	1.0	2.9	5.0	4.8
Entry Means	4.8	4.6	4.9	4.7	4.7	4.2	2.6	3.1	5.0	4.8

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

²Othello shatter scores reflect severe harvest conditions.

³Aberdeen shatter scores reflect dropping from shatter chamber [1-5(none)].

TABLE 10: 2010 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	0	0	1	10 PAR 30	8 PAR 27	5.0	4.2 HRM 3.0	2.3
2 R. BURBANK	33 PAR 30 OTH 69(38 HH)	7 OTH 29	0	1	9	5 PAR 20	5.0	4.5 HRM 3.0	2.8
3 R. NORKOTAH	10 PAR 30	2	0	0	9	6 PAR 23	4.5	4.9	2.3
4 A97066-42LB	0	2	0	1	3	5	5.0	4.8	2.2
5 A98345-1	0	0	0	2 HRM 14	0	7 TUL 25	4.5	4.5 HERM 3.0	2.0
6 A0008-1TE	2	4 KLA 25	0	1	2	1	5.0	5.0	3.4
7 A00324-1	0	4	0	1	3	3	4.5	4.6 HERM 3.0	2.1
8 A01010-1	0	0	0	1	6 SPR 18	6	5.0	5.0	3.8
9 AC99375-1RU	2	3	0	2	9	1	5.0	4.6	3.8
10 AO00057-2	1	3	0	1	0	0	5.0	4.8	4.2
11 AO96305-3	1	0	0	0	10 SPR 15	4	5.0	4.6	3.5
12 AOTX95265-1Ru	1	8 KLA 38	0	0	5	5 PAR 23	5.0	4.8	2.7
13 AOTX96216-2Ru	12 PAR 30	29 AB 50 KIM 55 HRM 49 KLA 50	0	0	2	2	5.0	4.3 KLA 2.5	2.3
14 AOTX96265-2Ru	0	4	0	3 HRM 17	3	14 PAR 33 TUL 23	5.0	4.8	2.3
15 CO98067-7RU	2	1	2	0	3	3	4.5	5.0	2.6
16 CO99053-3RU	0	11 KIM 23 KLA 35	0	2	3	2	5.0	4.9	2.6
17 CO99053-4RU	0	4 PAR 30	0	0	4	4	5.0	5.0	3.1
18 CO99100-1RU	2	3	2	0	0	2	5.0	5.0	2.6
19 PA00N14-2	0	0	0	0	1	2	5.0	4.6	2.3
20 PA99N2-1	1	6 KAL 23	0	2	6 SPR 18	0	5.0	4.9	3.4
21 PA99N82-4	0	26 TUL 50 KIM 40 KLA 45	0	0	3	1	5.0	4.9	3.6
Entry Means	3	6	0	1	4	4	4.9	4.7	2.8

¹Individual trial sites with relatively extreme values are listed right of the entry means.

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

TABLE 11: 2010 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		ID		WA		Entry Mean	CO		ID		OR		WA		Entry Mean	ID		OR		Entry Mean	
	SLV	PAR	PAR	OTH	OTH	SLV		AB	KIM	HRM	OTH	OTH	AB	KIM	OTH		Entry Mean	AB	KIM	PAR		HRM
L	E	L	E	L	Mean	L	L	L	L	L	Mean	L	L	L	Mean	L	L	E	L	L	Mean	
1 RANGER R.	1.0	0.0	0.0	0.0	0.0	0.3	1.0	0.8	0.6	1.2	1.0	0.9	4.0	3.7	2.0	3.2	4	13	0	0	5	4
2 R. BURBANK	1.0	0.0	0.0	0.0	0.0	0.3	1.0	0.6	0.5	2.0	2.0	1.2	4.0	4.0	2.0	3.3	38	46	0	0	30	23
3 R. NORKOTAH	1.0	0.0	0.0	0.0	0.0	0.3	1.0	0.7	0.7	1.4	.	1.0	3.8	4.0	.	3.9	21	33	0	0	5	12
4 A97066-42LB	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.7	1.5	1.0	0.9	3.0	3.7	2.0	2.9	9	17	0	0	5	6
5 A98345-1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.6	1.0	0.0	0.6	2.2	1.0	0.0	1.1	9	4	0	0	0	3
6 A0008-1TE	1.0	0.0	2.0	0.0	0.0	0.8	2.0	0.6	0.6	1.9	1.0	1.2	4.0	3.9	3.0	3.6	25	25	0	0	10	12
7 A00324-1	1.0	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.4	1.3	1.0	0.6	4.0	2.5	3.0	3.2	29	13	0	0	3	9
8 A01010-1	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.6	0.5	0.2	2.0	0.9	3.8	3.4	3.0	3.4	23	0	0	0	0	5
9 AC99375-1RU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.9	0.0	0.4	2.2	2.0	1.0	1.7	8	0	0	0	3	2
10 AO00057-2	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	0.4	0.0	0.5	3.2	2.8	2.0	2.7	11	17	0	0	3	6
11 AO96305-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.3	0.0	0.3	1.2	0.8	0.0	0.7	25	36	2	0	5	14
12 AOTX95265-1Ru	1.0	0.0	0.0	0.0	1.0	0.3	2.0	1.0	0.5	1.6	.	1.3	3.5	4.0	.	3.8	17	29	0	0	13	12
13 AOTX96216-2Ru	2.0	0.0	0.0	0.0	0.0	0.5	2.0	0.9	1.2	1.9	.	1.5	4.0	3.2	.	3.6	0	0	0	0	13	3
14 AOTX96265-2Ru	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.9	.	0.4	1.0	0.8	.	0.9	33	54	0	10	23	24
15 CO98067-7RU	1.0	0.0	0.0	0.0	1.0	0.3	1.0	0.6	0.6	2.3	2.0	1.3	4.0	4.0	3.0	3.7	4	11	0	0	8	5
16 CO99053-3RU	0.0	0.0	2.0	0.0	0.0	0.5	1.0	0.9	0.8	1.7	0.0	0.9	3.7	3.0	2.0	2.9	0	6	0	0	10	3
17 CO99053-4RU	1.0	0.0	.	0.0	0.0	0.3	1.0	0.6	0.5	1.5	1.0	0.9	3.8	2.6	3.0	3.1	19	13	0	.	3	9
18 CO99100-1RU	1.0	0.0	0.0	0.0	0.0	0.3	1.0	0.5	0.4	0.8	1.0	0.7	4.0	3.7	3.0	3.6	9	0	0	0	0	2
19 PA00N14-2	1.0	0.0	0.0	0.0	0.0	0.3	1.0	0.8	0.6	1.4	1.0	1.0	3.7	3.8	3.0	3.5	21	23	0	0	10	11
20 PA99N2-1	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.6	0.7	1.7	1.0	1.0	4.0	3.9	2.0	3.3	21	11	0	0	3	7
21 PA99N82-4	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.7	1.0	0.0	0.6	3.8	2.6	1.0	2.5	4	0	0	0	0	1
Location Means	0.6	0.0	0.2	0.0	0.1	0.2	1.0	0.6	0.6	1.3	0.8	0.9	3.4	3.0	2.1	2.9	16	17	0	1	7	8

Storage protocol prior to frying

Aberdeen - 6 weeks from 55F to 45F, 7 weeks from 55F to 40F, and 8 weeks @ 45F and 9 weeks @ 40F.

Hermiston - 3 weeks from 60F to 45F, and 8 weeks @45F.

Kimberly - 6 weeks from 55F to 45F, 7 weeks from 55F to 40F, and 8 weeks @ 40F and 9 weeks @ 45F.

Othello - 2 weeks from 48F to 40F and 45 F, and 8 weeks @ 40F and 45F.

San Luis Valley - 5 weeks from 55F to 45F, and 8 weeks @ 45F.

* Comprehensive post harvest evaluations of entries can be found in the 2010 Potato Cultivar Yield & Post Harvest Quality Evaluations - Washington State University. Contact: Rick Knowles. www.potatoes.wsu.edu

TABLE 12: 2010 Western Regional Potato Variety Trial - DISEASE EVALUATION AND METRIBUZIN REACTION

No.	Clone	Vert. Wilt/ Early Dying		Early Blight AB ¹			Late Blight Corvallis ³			Common Scab AB ¹		Net Necrosis/ Vasc. Discoloration ¹		Prosser Root- knot ⁴	KLA ⁵ Rhizoc. 0-5(none)	Fusarium		Soft Rot ¹ (0-5)	Metribuzin Reaction ⁶ AB	
		AB ¹	HRM ²	Foliar	Tuber	Foliar	Tuber	Percent Serious	Percent Serious	Incidence	Defect	Incidence	Defect			Dry Rot ¹ (0-5) F(sam)	F(sol)			
		(0-9)	AUDPC	(0-9)	(0-9)	AUDPC	%	(1-9)	AUDPC	%	Incid.	Defect	Incidence	Defect						
1	RANGER R.	2.3	66	6.6	3.0	221	5	9.0	1302	23	85	27	80	11	S	4.0	1.7	2.9	2.3	-
2	R. BURBANK	5.8	525	8.7	4.3	606	2	9.0	1226	3	13	0	63	17	S	4.0	4.7	4.0	2.5	MR
3	R. NORKOTAH	8.8	980	9.0	8.8	1085	0	9.0	1346	23	9	6	63	9	S	4.3	3.3	2.9	3.8	-
4	A97066-42LB	1.0	17	6.4	2.3	144	10	6.0	491	3	74	10	74	10	S	.	3.9	3.3	2.4	R
5	A98345-1	2.5	224	5.5	2.7	61	8	9.0	1233	3	46	11	81	18	S	1.9	3.7	4.1	3.0	S
6	A0008-1TE	6.8	455	9.0	4.7	676	0	9.0	1355	10	12	0	58	8	S	4.3	0.9	1.7	3.9	MR
7	A00324-1	3.7	108	7.8	4.5	410	5	8.0	1058	0	14	2	54	0	S	4.1	4.0	2.5	0.1	S
8	A01010-1	3.0	68	6.3	3.2	263	11	9.0	1232	35	30	0	76	8	S	4.1	5.0	3.1	0.9	R
9	AC99375-1RU	2.5	52	6.0	2.8	203	4	7.0	806	3	50	14	46	16	S	4.1	3.5	1.1	1.5	MR
10	AO00057-2	2.3	32	6.6	3.2	329	2	9.0	1291	8	21	0	75	25	S	3.8	3.3	1.3	2.4	R
11	AO96305-3	3.7	224	7.4	5.0	648	13	9.0	1263	3	91	43	72	3	S	4.1	4.6	3.9	4.5	R
12	AOTX95265-1Ru	8.0	788	9.0	5.5	760	1	9.0	1338	20	36	8	83	7	S	4.4	3.1	2.1	3.9	R
13	AOTX96216-2Ru	3.8	222	8.1	3.7	186	3	8.0	1152	15	4	4	35	11	S	3.6	3.0	1.9	3.3	R
14	AOTX96265-2Ru	4.7	263	7.5	3.7	301	2	8.0	1205	15	77	31	92	15	S	4.3	4.2	1.4	2.1	R
15	CO98067-7RU	6.8	683	8.9	5.3	753	0	9.0	1328	10	12	0	67	0	S	4.3	2.6	2.9	1.9	S
16	CO99053-3RU	2.2	52	7.1	2.7	284	3	9.0	1273	5	27	2	47	7	S	4.0	3.9	1.6	3.4	S
17	CO99053-4RU	7.2	770	8.6	5.7	875	1	9.0	1348	3	20	2	61	0	S	4.0	4.4	2.6	1.7	MR
18	CO99100-1RU	7.8	788	8.9	5.8	1068	1	9.0	1356	3	14	1	48	0	S	4.3	3.7	3.4	1.6	MS
19	PA00N14-2	5.8	504	8.1	5.0	735	4	9.0	1356	10	58	14	36	0	S	3.8	3.2	3.7	3.5	R
20	PA99N2-1	3.5	95	6.9	3.7	319	1	8.0	1105	8	43	4	54	0	S	4.1	3.4	2.2	3.9	R
21	PA99N82-4	3.2	59	6.4	3.3	403	10	8.0	1240	15	64	11	63	0	VR	4.0	3.3	2.3	1.8	MS
Entry Means		4.5	332	7.6	4.2	492	4	8.5	1205	10	38	9	63	8	-	4.0	3.5	2.6	2.6	
LSD (.05)		1.2	1.0	1.0	1.0	10	10	0.5	114	16	32	13	21	17	-	-	0.8	0.8	1.6	

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 106, 113, and 120 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 by Dan Hane; scale as indicated, highest number being most severe.

³ Evaluations made at Corvallis, Oregon by Solomon Yilma; 1=no foliar injury; 3=5-10%; 5=25-40%; 7=60-75%; 8=75-90%; 9=90-100%.

Tuber % based on examination at harvest and showing any tuber late blight symptoms. AUDPC = Area Under the Disease Progress Curve.

⁴ Evaluations made at Prosser, Washington by Chuck Brown: S=susceptible, VR= very resistant

⁵ Evaluations made at Merrill, Oregon by Brian Charlton; seed treated with thiophanate-methyl (Tops MZ®) and Azoxystrobin (Quadris®)

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

**TABLE 13: 2010 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	Glycoalkaloids ² (mg/100g FWB) ¹
		Dextrose (%FWB) ¹	Sucrose (%FWB) ¹			
1 RANGER RUSSET	22.3	0.08	0.16	5.4	27.6	4.0
2 RUSSET BURBANK	20.9	0.08	0.14	4.7	18.9	4.7
3 RUSSET NORKOTAH	20.3	0.10	0.14	5.1	22.6	2.1
4 A97066-42LB	23.9	0.06	0.18	5.1	17.6	6.5
5 A98345-1	22.2	0.03	0.14	4.8	20.7	2.1
6 A0008-1TE	21.2	0.04	0.16	6.4	28.0	1.7
7 A00324-1	20.4	0.02	0.14	4.7	23.6	1.8
8 A01010-1	22.2	0.03	0.16	6.5	38.0	1.2
9 AC99375-1RU	21.5	0.02	0.13	6.6	25.5	8.0
10 AO00057-2	22.2	0.05	0.14	6.2	23.5	4.6
11 AO96305-3	22.2	0.04	0.13	6.2	24.7	2.1
12 AOTX95265-1RU	20.6	0.09	0.13	5.0	22.6	2.1
13 AOTX96216-2RU	23.4	0.10	0.17	3.9	23.4	5.9
14 AOTX96265-2RU	22.6	0.02	0.17	6.5	28.0	0.8
15 CO98067-7RU	20.0	0.06	0.12	4.2	27.6	1.3
16 CO99053-3RU	21.0	0.08	0.13	5.5	25.5	7.2
17 CO99053-4RU	21.2	0.04	0.13	6.0	35.2	5.0
18 CO99100-1RU	20.3	0.01	0.13	5.9	24.2	1.5
19 PA00N14-2	22.5	0.08	0.19	6.1	20.9	4.3
20 PA99N2-1	21.6	0.04	0.13	5.7	23.1	1.5
21 PA99N82-4	22.3	0.05	0.14	5.5	26.1	2.5
Entry Means	21.6	0.05	0.15	5.5	25.1	3.4

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

² Glycoalkaloids: The 2009 Lenape check grown at Aberdeen was 42.6 mg/100g

TABLE 14: 2010 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	CO		ID			OR		TX SPR	WA		Early Trial	Late Trial
	SLV	AB	KIM	PAR	HRM	OTH	L	L	L				L	L	L	L	L	E	L		L	E		
1 RANGER R.	5.0	3.0	3.5	4.0	4.5	4.0	3.5	4.0 (3)	3.9 (3)	3.1	4.0	3.3	3.5	3.7	3.7	2.0	2.7	2.8	2.4	3.1 (5)	3.1 (7)			
2 R. BURBANK	2.0	2.5	3.0	4.0	4.5	2.5	2.4	4.0 (3)	2.8 (18)	2.3	2.0	2.5	2.5	2.2	3.7	2.0	1.5	2.1	2.0	1.9 (20)	2.4 (16)			
3 R. NORKOTAH	3.0	2.5	3.0	4.0	4.5	1.0	.	4.0 (3)	2.8 (18)	.	3.0	3.3	3.7	3.7	4.0	1.5	3.4	3.6	2.5	3.6 (2)	3.0 (8)			
4 A97066-42LB	3.0	2.0	2.5	1.8	3.5	4.0	3.4	1.8 (21)	3.1 (14)	3.0	2.0	3.0	2.3	1.3	2.0	2.0	2.7	1.3	2.0	1.8 (21)	2.2 (19)			
5 A98345-1	5.0	4.0	4.5	3.0	3.3	1.0	4.5	3.0 (14)	3.7 (5)	4.3	5.0	3.8	2.5	2.3	3.0	1.0	2.7	2.5	2.4	2.5 (17)	3.0 (8)			
6 A0008-1TE	3.0	2.7	3.2	4.0	4.2	3.0	3.1	4.0 (3)	3.2 (11)	2.7	3.0	4.0	3.0	4.0	3.8	2.5	3.9	4.0	3.1	4.0 (1)	3.2 (3)			
7 A00324-1	5.0	2.7	4.0	3.5	4.3	2.5	3.7	3.5 (12)	3.7 (5)	3.0	5.0	3.8	3.3	2.3	3.5	2.0	2.8	2.1	2.0	2.4 (18)	3.3 (2)			
8 A01010-1	5.0	2.7	3.8	2.7	2.7	4.5	3.0	2.7 (17)	3.6 (8)	3.1	4.0	3.8	3.5	3.3	2.2	2.5	2.5	1.9	3.0	2.6 (14)	3.2 (3)			
9 AC99375-1RU	5.0	4.2	4.2	2.5	3.2	3.5	3.7	2.5 (18)	4.0 (1)	4.1	3.0	1.8	1.0	1.8	2.3	2.5	2.3	2.1	2.3	2.1 (19)	2.2 (19)			
10 AO00057-2	4.0	3.7	4.0	3.7	4.5	2.7	4.4	3.7 (10)	3.9 (3)	3.9	3.0	4.8	3.3	3.0	3.3	2.0	3.2	3.4	1.8	3.2 (4)	3.0 (8)			
11 AO96305-3	5.0	3.5	4.2	4.2	4.3	3.0	4.2	4.2 (1)	4.0 (1)	4.0	4.0	3.5	3.8	3.2	3.7	3.5	3.0	3.2	2.7	3.1 (5)	3.5 (1)			
12 AOTX95265-1Ru	4.0	3.0	3.0	3.8	4.0	1.0	.	3.8 (8)	3.0 (16)	.	5.0	3.5	3.0	3.3	3.8	1.0	3.4	2.4	3.0	3.0 (7)	3.2 (3)			
13 AOTX96216-2Ru	1.0	1.0	1.0	2.3	2.0	1.0	.	2.3 (20)	1.2 (21)	.	1.0	1.0	1.5	2.5	2.0	1.0	3.2	2.1	0.8	2.6 (14)	1.2 (21)			
14 AOTX96265-2Ru	5.0	3.0	3.8	3.0	3.3	1.0	.	3.0 (14)	3.2 (11)	.	4.0	3.3	2.8	2.8	3.2	1.0	3.1	2.4	2.9	2.8 (10)	2.9 (12)			
15 CO98067-7RU	5.0	2.5	3.2	3.7	3.2	1.0	2.4	3.7 (10)	2.9 (17)	1.6	4.0	2.3	2.7	3.8	3.0	1.0	2.6	2.1	2.5	2.8 (10)	2.6 (13)			
16 CO99053-3RU	5.0	3.7	3.8	2.8	4.0	2.5	3.5	2.8 (16)	3.7 (5)	3.2	4.0	2.3	3.3	2.3	3.2	2.5	2.6	2.9	2.7	2.6 (14)	3.0 (8)			
17 CO99053-4RU	4.0	3.5	3.5	4.2	3.7	1.5	3.5	4.2 (1)	3.3 (10)	2.9	3.0	3.3	2.5	3.3	3.0	1.0	2.6	2.2	1.5	2.7 (13)	2.4 (16)			
18 CO99100-1RU	4.0	2.7	4.2	4.0	3.5	1.0	2.9	4.0 (3)	3.1 (14)	2.3	3.0	2.8	3.3	3.3	3.5	1.0	3.8	3.3	1.9	3.5 (3)	2.6 (13)			
19 PA00N14-2	4.0	3.0	3.8	3.3	4.3	2.0	3.5	3.3 (13)	3.4 (9)	2.9	3.0	3.5	3.8	2.8	4.0	2.0	3.2	3.0	3.0	3.0 (7)	3.2 (3)			
20 PA99N2-1	2.0	3.0	3.5	3.8	2.8	1.0	3.6	3.8 (8)	2.6 (20)	3.1	2.0	3.3	2.7	2.8	2.5	1.0	2.1	3.5	3.0	2.8 (10)	2.4 (16)			
21 PA99N82-4	4.0	3.0	3.7	2.5	2.8	1.0	4.7	2.5 (18)	3.2 (11)	3.7	3.0	2.8	3.0	3.5	3.3	1.0	2.6	2.5	1.6	2.9 (9)	2.5 (16)			
Location Means	4.0	2.9	3.5	3.4	3.7	2.1	3.5	3.4	3.3	3.1	3.3	3.1	2.9	2.9	3.2	1.7	2.9	2.6	2.3	2.8	2.8			

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

TABLE 15: 2010 Western Regional Potato Variety Trial - ENTRY SUMMARY¹

No. Clone	Year In Trial	Use	Total Yield ²	US #1's Yield ²	% US #1's ²	Tuber		Specific Gravity ²	Fry 45 Color	%Cumulative Shrink & Sprout Rating ³	Combined (E&L)		Disposition 2011		
						Size (oz) Early	Late				Merit Score ⁴ Process	Fresh			
1 RANGER R.	-	Dual	575	474	82	6.9	8.1	1.087	0.9	6.1	3.0	3.9	3.1	Check	
2 R. BURBANK	-	Dual	551	409	74	5.6	6.6	1.083	1.2	7.6	4.0	3.0	2.3	Check	
3 R. NORKOTAH	-	Fresh	444	361	82	6.2	5.8	1.074	1.0	7.0	3.5	3.0	3.2	Check	
4 A97066-42LB	3	Proc	518	437	84	4.7	7.9	1.097	0.9	11.1	3.5	2.9	2.1	High SG; Res. to EB, VW/ED, and LB	Graduate
5 A98345-1	2	Dual	660	595	90	6.8	8.9	1.089	0.6	7.5	3.0	3.6	2.8	High US #1 & ov.size yield (E&L); CSR; VW/ED & EB Res.; Susc. to Fus(sol), scab, Rhizo, metr.	Return
6 A0008-1TE	3	Dual	490	419	85	7.2	7.0	1.081	1.2	5.7	3.0	3.3	3.5	F(sam) res.; Soft rot susc.; high protein	Graduate
7 A00324-1	1	Dual	613	535	86	7.8	9.0	1.082	0.6	-	-	3.7	3.0	Large tuber size with high % oversize and oversize yield (E&L); Soft rot res	< Seed
8 A01010-1	1	Dual	654	568	87	5.2	7.2	1.085	0.9	-	-	3.5	3.0	High total yield (E&L), vit. C, and protein; Soft rot res; tuber LB & F(sam) susc.	Return
9 AC99375-1RU	2	Dual	679	549	80	5.5	6.8	1.092	0.4	8.5	3.5	3.8	2.1	High SG & protein; Res. to V/ED, EB, LB, F(sol); CSR.	Return
10 AO00057-2	1	Dual	528	466	88	6.9	8.4	1.090	0.5	-	-	3.9	3.1	Res. to V/ED and F(sol); Possible Black Spot Bruise Res. (ID)	Return
11 AO96305-3	2	Dual	476	418	88	7.6	7.0	1.087	0.3	4.7	4.0	4.1	3.4	Long tubers (E&L); Susc to GC (E) & NN/VD (E), Cscab, S.rot, tuber EB; CSR	Return
12 AOTX95265-1Ru	1	Fresh	479	386	80	6.0	5.8	1.075	1.3	-	-	3.1	3.2	Low SG; Susc. to tuber LB, VW/ED, and soft rot	Drop
13 AOTX96216-2Ru	1	Fresh	541	434	77	13.2	14.3	1.077	1.5	-	-	1.4	1.7	V. large tuber size; susc. to GC, 2nd, HH, shatter, , B. spot; res to NN/VD, scab?; low prot.	Drop
14 AOTX96265-2Ru	1	Fresh	527	482	91	7.3	8.3	1.089	0.4	-	-	3.2	2.8	High % No. 1 (E&L); & protein; Susc. to shatter (L), c. scab; CSR yet high S. Ends	Return
15 CO98067-7RU	3	Dual	505	382	76	5.3	5.1	1.072	1.3	6.6	4.0	3.0	2.7	Small tuber size (E&L); susc to NN/VD; low protein	Graduate
16 CO99053-3RU	2	Dual	537	452	84	6.1	7.5	1.083	0.9	5.3	3.5	3.6	2.9	Susc. to H. Heart (L); res. to VW/ED & EB	Return
17 CO99053-4RU	2	Fresh	413	326	79	5.6	5.5	1.080	0.9	8.6	3.0	3.4	2.5	Low total yield (E&L); high Vit. C	Return
18 CO99100-1RU	2	Fresh	396	319	79	7.6	6.7	1.077	0.7	7.1	3.5	3.2	2.9	VW/ED & EB susc.	Return
19 PA00N14-2	2	Dual	509	424	82	5.8	5.8	1.086	1.0	5.4	4.0	3.4	3.1	Long tubers (E&L); Res to NN/VD	Return
20 PA99N2-1	3	Proc	601	526	86	6.2	7.5	1.085	1.0	5.2	2.5	2.8	2.5	Shatter Bruise (E&L); soft rot susc.	Graduate
21 PA99N82-4	3	Proc	582	491	83	6.2	7.7	1.084	0.6	6.1	3.0	3.1	2.6	Shatter Bruise (E&L); HH (L); Res to Rootknot Nematode	Graduate
Entry Means			537	450	83	6.7	7.5	1.084	0.9	6.8	3.4	3.3	2.8		

¹ Numeric values represent means across all trial locations.

² Data shown from late trial results.

³ 2009 entries at Tulelake, CA; Evaluated at 181 days after harvest. Sprout rating:1(>2 inches), 2(1-2 inches), 3(peeping to 1 inch), 4(peeping), 5(none).

⁴ Data shown from combined early & late trial results.

TABLE 16: 2010 Western Regional Potato Variety Trial - 3 YEAR SUMMARY OF GRADUATING ENTRIES - LATE TRIAL LOCATION MEANS

Clone	2008						2009						2010					
	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	
	A97066-42LB	559 (6/13)	462 81	1.100	1.0	2.1	3.0	591 (12/19)	483 80	1.097	1.7	2.3	3.0	518 (13/21)	437 84	1.097	0.9	2.1
A0008-1TE	530 (9/13)	460 86	1.082	1.3	3.7	3.3	548 (14/19)	463 84	1.082	1.4	3.1	3.5	490 (16/21)	419 85	1.081	1.2	3.5	3.3
CO98067-7RU	578 (5/13)	476 82	1.075	1.2	3.0	3.2	621 (9/19)	484 75	1.074	1.5	2.6	2.7	528 (15/21)	466 88	1.090	0.5	3.1	3.9
PA99N2-1	662 (1/13)	584 87	1.086	1.2	2.5	2.7	697 (2/19)	601 85	1.084	1.1	2.5	2.3	601 (5/21)	526 86	1.085	1.0	2.5	2.8
PA99N82-4	593 (2/13)	507 85	1.086	0.8	2.2	2.6	633 (8/19)	512 81	1.084	0.7	1.9	2.4	582 (6/21)	491 83	1.084	0.6	2.6	3.1
RANGER R.	554 (7/13)	455 81	1.090	1.2	2.7	3.6	621 (9/19)	504 80	1.088	1.1	2.7	3.2	575 (7/21)	474 82	1.087	0.92	3.1	3.9
R. NORKOTAH	487 (12/13)	416 84	1.076	1.4	3.8	3.0	521 (16/19)	422 79	1.075	1.6	3.7	2.9	444 (19/21)	361 82	1.074	1.0	3.2	3.0
R. BURBANK	589 (3/13)	385 66	1.083	1.1	1.9	2.6	643 (5/19)	457 70	1.085	1.2	2.4	3.2	551 (8/21)	409 74	1.083	1.2	2.3	3.0
Trial Mean	528	438 81	1.084	1.0	2.8	3.0	599	481 79	1.086	1.1	2.7	3.1	537	450 83	1.084	0.9	2.8	3.3

3 Year Average (2007-2010)

Clone	Total								Noted Weaknesses	Noted Strengths
	Yield ¹ &(rank)	US #1 Yld ¹ %	SG	FRY 45	Merit Score Fresh Proc					
A97066-42LB	556 (43)	461 82	1.098	1.2	2.2	3.0			Too high SG? (3/3); F(sam) susc.(2/3)	Foliar LB res (3/3) and VWilt/Early Die Res. (2/3)
A0008-1TE	523 (27)	447 85	1.082	1.3	3.4	3.4			Soft Rot susc. (2/3)	F(sam) res. (3/3); high protein (2/3)
CO98067-7RU	576 (47)	475 82	1.080	1.1	2.9	3.3			Small tuber size (2/3); Low SG (2/3)	
PA99N2-1	653 (86)	570 86	1.085	1.1	2.5	2.6			None noted over years	None noted over years
PA99N82-4	603 (71)	503 80	1.085	0.7	2.2	2.7			Shatter Bruise (3/3); Hollow Heart (2/3)	C. Rootknot Nematode Res. (3/3)
RANGER R.	583 (55)	478 81	1.088	1.1	2.8	3.6				
R. NORKOTAH	484 (11)	400 82	1.075	1.3	3.6	2.9				
R. BURBANK	594 (71)	417 70	1.084	1.2	2.2	2.9				
Trial Mean³	555	456 81	1.084	1.0	2.8	3.1				

¹ (CWT/A)² Percent of entries with lower yields; e.g. 43% of all trial entries over three years yielded lower than A97066-42LB³ Late Trial mean of all trial entries 2008-2010

TABLE 17: 2010 Western Regional Potato Variety Trial - ENTRY COMMENTS - EARLY AND LATE HARVEST

Entry Comments - Early Harvest				Entry Comments - Late Harvest						
No. Clone	ID PAR	TX SPR	WA OTH	CA TUL	ID			OR		WA OTH
					AB	KIM	PAR	HRM	KLA	
1	RANGER RUSSET	Poor shape, deep eyes, sticky stolon, skinny, rough, drop	Mostly typy, bit flat, deep eyes	Several irregular shaped tubers	Smaller than usual, few defects, stolons	Stolons attached, smaller than typical		Soft rot	Hooky crooky	Mostly typy
2	RUSSET BURBANK	Rough	Mostly typy, irregular skin and shape		Smaller than usual, few defects	Bottle necks, lumps		Mishapen, nice RB	Typy, nice, some pointy, ok	Mostly typy, skin russetting a bit irregular
3	RUSSET NORKOTAH	Small, 12% rot	Small and typy		Small	Small			Nice, typy, keep	Lots of smalls, typy
4	A97066-42LB	Small, nasty	Blocky, raised eyes, light net, small	Easily skinned (later mature, high vert), v. uniform shape	Patchy skin, green	Patchy skin, green		Attached stems, some green, knobs		Spotty russetting, large size range
5	A98345-1	Deep eyes, poor russet skin, sticky stolon, light net, ugly, drop	Large, light skin, some round.		Big, It russ, deep ends, points	Stolons attached	Blocky	Rounds	Black dot, big, process only	Bad shatter! DISCARD
6	A0008-1TE	Parent, light net, BOT, some raised eyes	Typy, plump, light russet, a few growth cracks		Med russ, shatter	Short, med lt russ, shatter	Smooth, good looking	Nice shape	Blocky, typy, some pty stem end, keep	Smaller, typy, light russet, plump
7	A00324-1	Rough pointed, Rhizoctonia, sticky stolon	Mostly typy but many with irreg. shape	Black Scurf	Big, It russ, rizoc	Big, It russet, misshaped		Very coarse russet, flatish	Typy, skinned, flat, fair	Light russet, blocky, bad shatter
8	A01010-1	Skinny, 10% bruise, drop	Small, typy, puffed wheat type skin		Long, thin, few points	Thin, shatter		Coarse russet, little round, blocky, OK, good	Deep eye, typy, nice, keep	Heavy russet, typy
9	AC99375-1RU	Misshapen	Lots of small tubers, some irregular shapes		Med russ, block, lumps, deep eyes	Lumpy, misshaped		Too many round, round to long	Thumb nail cracks, dents, dimples, poor, IPS	Puffed wheat skin, irregular shape, lot of green tubers
10	AO00057-2	10% bruise, light net	Typy, dark russet, a bit flat	Very uniform in shape	Nice, med russ,	Non-uniform	Misshapen	Coarse russet, too round, soft rot	Blky, typy, little flat, keep	Large, bit flat
11	AO96305-3	Uniform	Long skinny, feathering, light net	Scab	Lt russ, thin, scab	Skinned	Curvy	Nice shape/very nice shape, yield?	Best of trial, skinned, nice, keep	Very typy, nice size profile
12	AOTX95265-1RU	Smooth	Blocky, small, 20% bruise, nice	Scab	Med heavy russ, long, norkotah like	Small			Russet Norkotah look alike, nice, typy, keep	Looks like R. Norkotah
13	AOTX96216-2RU	Low set, too big	Flat footballs (size and shape), heavy, thick dark skin	Huge tubers	Big, hvy russ, scab, GC, ugly	GC, big	Way too big, poor set	Soft rot	Very bad, junk	Flat footballs (size and shape) with dark russet
14	AOTX96265-2RU		Typy and round	No uniformity in shape	Flat, shattered	Short, lumpy	Blocky	Blocky/nice shape, nice color, large	Typy, blocky, flat, nice, keep	Mostly round, deep eyes
15	CO98067-7RU	Little pointy	Typy and small		Med heavy russ, flat, small	Points, curves, misshaped	Smooth, small	Flat/too flat, small	Flat, dents, pear, drop	Small, flat, shape a bit irregular
16	CO99053-3RU	Pointy, irregular	Typy, flat, light skin, appears to have mild scab	Black Scurf	Curves, lumps	Points		Flat/little flat, coarse russet, round to long	Typy, flat, irregular size, fair	Typy, light russet
17	CO99053-4RU	Heat sprouts, poor shape, light net	Typy, but some pointy, some flat		Points, long	Med size			Flat, irregular size, fair	Small, pointy, light russet, DISCARD!
18	CO99100-1RU	Blocky	Typy, flat, light russet, some growth cracks		Lumps, points	Small		Soft rot, some coarse russet	Dimpled and dented, rough, poor, drop	Smaller, typy, flat, light russet
19	PA00N14-2	Ugly net, drop+, sticky stolon, blocky, nice shape, poor skin type	Typy, skinny, yellowish tint, feathery skin, Banana Russet		Long thin, med russ	Thin	Alligator hide	Good shape, flat, OK	Small, typy, fair	Smaller, typy, yellowish, light russet
20	PA99N2-1	Small, round to oblong	Typy, many round	Seed had very few eyes (poor stand?)	Short, blocky, ad stolons shattered	Deep ends, stolons	Blocky	Too round, attached stems	Short, too round, flat, not fresh, drop	Bit round, light russet
21	PA99N82-4	Round	Softballs, baseballs, with dark, non-uniform russetting		Short, blocky, shattered	Shatter	Round	Coarse russet, too round, large	Dimpled and dented, junk, drop	Very round!