

2012 TRI-STATE RUSSET POTATO VARIETY TRIAL REPORT

State Experiment Stations and
USDA-ARS Cooperating



Washington

Oregon

Idaho

2012 TRI-STATE POTATO VARIETY TRIAL REPORT

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Compiled by Peggy Bain

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TABLE 1: Locations, Cooperators, and Cultural Information

Locations	Cooperators	Planting Date	Vine Kill Date	Harvest Date	Herbicides	Insecticides	Fungicides
Aberdeen, Idaho (ID) Late Trial	J. Stark J. Whitworth	3-May	4-Sep	27-Sep	Outlook Prowl H2O Metribuzin	Admire Pro	Pennco Zeb 75DF Echo
Seed spacing: 10.6" in-row 36" between row Fertilizer N-P-K-S(lb/A) 230-280-300	R. Novy P. Bain M. Chappell		DAP 124 mechanical	DAP 147			
Hermiston, Oregon (HOR) Late Trial	P. Hamm L. Leroux	6-Apr	4-Sep	24-Sep	Matrix Gramoxone	Admire Radiant Agrimek Oberon Movento	Maxim 4FS Ridimil Gold Dithane Quardris Omega
Seed spacing: 9.25" in-row 34" between row Fertilizer N-P-K-S(lb/A) 360-380-200-60			DAP 151 Reglone	DAP 171			
	Field was fall fumigated with 41 gal metham sodium /A. Temps above average with several days over 100 F in early July, Sugar End stress year.						
Klamath Falls, Oregon (KOR) Late Trial	B. Charlton D. Culp	24-May	10-Sep	18-Oct	Prowl Matrix	Admire Movento Fulfill Asana Endigo Assail Vydate C-LV Telone II	Moncut Ridomil Bravo Endura
Seed spacing: 9.25" in-row 36" between row Fertilizer N-P-K-S(lb/A) 193-116-250-132			DAP 109 Reglone + Mechanical	DAP 147			
Othello, Washington Late Trial (LWA)	M Pavek R. Knowles	11-Apr	4-Sep	12-Sep	Matrix Eptam Prowl H2O		Penncozeb Oberon Manzate
Seed spacing: 10" in-row 34" between row Fertilizer N-P-K-S(lb/A) 350-227-450	N. Fuller Z. Holden		DAP 146 Mechanical/Chemical	DAP 154			
Early Trial (EWA)		1-Apr	17-Jul	1-Aug	Chateau Prowl H2O	Platinum	Quardris Omega
Seed spacing: 12" in-row 34" between row Fertilizer N-P-K-S(lb/A) 200-340-220			DAP 107 Mechanical	DAP 122			

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TABLE 2: Clones, Parents, Flower Color, State Entered By, Use, Seed Source, and Percent Stand

No	Clone	Parents	Parents	Flower Color	Entered by	Use	Seed Source	Trial Year	Mean Stand %
1	Ranger Russet	Butte	A6595-3	Med Red-purple	Check	Dual	Ck	ID	90
2	Russet Burbank	Early Rose	?	White	Check	Dual	Ck	ID	93
3*	Russet Norkotah	ND9687-5 Ru	ND9526-4 Ru	White	Check	Fresh	Ck	ID	
4	A0012-5	GEMSTAR RUSSET	A087277-6	Red-purple	ID	Dual	LW	1	90
5	A0073-2	A9304-3	A95154-1	Red-purple	ID	Dual	LW	1	86
6	A01325-1	AO96763-7	PREMIER RUSSET	White	ID	Dual	ID	1	83
*7	A02062-1TE	A97201-4	A97299-1	White	ID	Dual	OR	3	
8	A02144-2	A97123-10	A96563-8	White	ID	Dual	OR	2	91
9	A02424-83LB	AO96781-4	A97229-1	White	ID	Dual	ID	1	98
10	A03082-4	A96095-3	A98104-4	White	ID	Dual	ID	1	96
*11	A03131-4TE	A98082-17	A98104-4	White	ID	Dual	OR	2	
12	A03921-2	A96953-13	A93005-10	MR purple	ID	Dual	ID	1	96
13	A05013-29	A97119-2	A96095-3	White	ID	Dual	ID	1	98
14	A05015-5TE	A97119-2	A97314-4	White	ID	Dual	ID	1	91
15	A05052-3TE	A99133-6	A99032-2TE	White	ID	Dual	ID	1	89
16	A06003-3TE	A92030-5	A97306-3	White	ID	Dual	ID	1	89
17	A06015-13TE	A99031-1TE	A97306-3	White	ID	Dual	ID	1	94
*18	A06029-5TE	A99133-6	A99034-2E	White	ID	fresh	ID	1	
19	A06084-1TE	A98345-1	A97267-1	White	ID	Dual	ID	1	96
20	AO01114-4	AO92017-6	A86102-6	White	OR	Dual	OR	3	95
21	AO03123-2	A98082-17	Premier R	White	OR	Dual	OR	1	94
22	OR05039-4	AO95245-2	PA00N29-3	White	OR	Dual	OR	2	95
23	POR06V12-3	PA00V6-4	PA01N22-1	White	OR	Dual	OR	1	91

* Early Entry only

LW= entered by Lamb Weston

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TABLE 3: Tuber and Vine Characteristics, Stems per Plant, Tubers per Plant

No	Clone	Tuber				Vine				Stems/ Plant	Tubers/ Plant
		Means	Shape	Means	Skin	ID	Size	Means	Maturity		
1	Ranger Russet	4.5	Long	3.9	Med Russet	3.3	Med-large	3.1	Medium	2.3	6.3
2	Russet Burbank	3.8	Obl-Lng	3.8	Med Russet	3.8	Med-large	2.4	Early	2.1	7.1
3*	Russet Norkotah	3.7	Obl-Lng	4.0	Med Russet					2.3	7.8
4	A0012-5	3.1	Oblong	4.7	Heavy Rus	3.8	Med-large	4.1	Late	1.5	5.7
5	A0073-2	3.0	Oblong	3.7	Med Russet	4.3	Large	2.3	Early	1.7	7.6
6	A01325-1	2.8	Oblong	1.8	White			4.0	Med--late	1.7	7.8
*7	A02062-1TE	4.0	Obl-Lng	4.0	Med Russet					1.5	7.5
8	A02144-2	2.9	Oblong	4.1	Med Hvy Rus	2.0	Small	1.3	Early	2.8	8.3
9	A02424-83LB	3.2	Oblong	1.8	White	4.0	Med-large	3.8	Med--late	2.9	9.0
10	A03082-4	3.9	Obl-Lng	3.2	Med Russet	4.0	Med-large	3.4	Medium	2.3	6.8
*11	A03131-4TE	2.0	Round	3.7	Med Russet					2.0	8.2
12	A03921-2	3.5	Oblong	2.8	Light Russet	3.5	Med-large	2.6	Med Early	2.5	7.7
13	A05013-29	3.9	Obl-Lng	3.4	Med Russet	1.8	Small	1.3	Early	2.2	6.9
14	A05015-5TE	2.7	Oblong	3.1	Med Russet	2.5	Small	1.9	Early	1.8	5.6
15	A05052-3TE	2.8	Oblong	2.9	Light Russet	2.5	Small	3.0	Med Early	2.3	7.5
16	A06003-3TE	3.8	Obl-Lng	4.4	Med Hvy Rus	2.8	Medium	2.8	Med Early	1.6	6.1
17	A06015-13TE	3.6	Obl-Lng	4.4	Med Hvy Rus	3.5	Med-large	2.9	Med Early	1.8	5.5
*18	A06029-5TE	3.0	Oblong	2.7	Light Russet					1.1	5.4
19	A06084-1TE	4.2	Long	4.0	Med Russet	2.5	Small	2.1	Early	1.9	7.2
20	AO01114-4	3.5	Oblong	3.9	Med Russet	3.0	Medium	2.8	Med Early	2.1	6.6
21	AO03123-2	3.9	Obl-Lng	3.7	Med Russet	3.3	Med-large	3.8	Med--late	2.6	8.6
22	OR05039-4	4.3	Long	2.3	Light Russet	3.5	Med-large	3.3	Medium	2.4	7.3
23	POR06V12-3	4.0	Obl-Lng	4.5	Med Hvy Rus	3.3	Med-large	3.1	Medium	1.9	8.1

Numerical values are means of all trial locations.

TABLE 4: Total Yield (CWT/A) - EARLY AND LATE HARVEST

No.	Clone	Total Yield - Early Harvest (CWT/A)		Total Yield - Late Harvest (CWT/A)				Entry Mean	Rank
		Early (WA)	Rank	(ID)	(OR) Herm KF		(LWA)		
1	Ranger Russet	323	17	548	835	639	676	675	5
2	Russet Burbank	334	15	356	1093	559	476	621	9
3*	Russet Norkotah	357	10			473			
4	A0012-5	246	22	336	1086	562	713	674	6
5	A0073-2	308	20	382	804	529	647	591	11
6	A01325-1	365	9		982	682	753	806	1
7*	A02062-1TE	368	8						
8	A02144-2	342	12	325	539	528	443	459	19
9	A02424-83LB	442	3	538	799	688	816	710	4
10	A03082-4	414	5	464	1006	828	742	760	2
11*	A03131-4TE	485	1						
12	A03921-2	290	21	444	1028	675	708	714	3
13	A05013-29	443	2	315	857	712	735	655	7
14	A05015-5TE	323	17	336	747	524	543	538	16
15	A05052-3TE	338	13	418	717	455	611	550	14
16	A06003-3TE	423	4	396	706	590	463	539	15
17	A06015-13TE	355	11	542	540	493	553	532	17
18*	A06029-5TE	376	7						
19	A06084-1TE	242	23	344	868	587	457	564	13
20	AO01114-4	382	6	333	637	505	550	506	18
21	AO03123-2	323	17	375	792	576	600	586	12
22	OR05039-4	336	14	380	982	485	573	605	10
23	POR06V12-3	328	16	412	875	559	658	626	8
Location Means		354		402	836	582	617	616	

TABLE 5: Yield of U.S. #1'S (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	USNo. 1's - Early Harvest (CWT/A)/%		U.S. No. 1's - Late Harvest (CWT/A)/%				Entry Mean	Rank
		Early (WA)	Rank	(ID)	(OR)		(LWA)		
					Herm	KF			
1	Ranger Russet	252	14	359	578	267	543	437	9
		78	10	64	69	42	80	64	17
2	Russet Burbank	175	21	181	630	307	364	371	16
		53	23	50	58	55	76	60	18
3*	Russet Norkotah	257	13			269			
		72	15			57			
4	A0012-5	182	20	159	912	376	658	526	3
		74	14	46	84	67	92	72	9
5	A0073-2	201	18	291	599	421	591	476	6
		65	17	73	74	80	91	80	3
6	A01325-1	279	10		839	370	671	627	1
		77	11		85	54	89	76	8
7*	A02062-1TE	297	8						
		81	7						
8	A02144-2	203	17	229	326	353	328	309	19
		59	20	71	61	67	74	68	13
9	A02424-83LB	301	7	429	635	481	713	565	2
		68	16	80	79	70	87	79	4
10	A03082-4	344	3	349	524	367	490	433	10
		83	5	75	52	44	66	59	19
11*	A03131-4TE	423	1						
		87	1						
12	A03921-2	217	16	344	799	299	619	515	4
		75	13	75	78	44	87	71	11
13	A05013-29	351	2	253	494	308	638	423	12
		79	9	80	58	43	87	67	15
14	A05015-5TE	274	11	300	646	320	487	438	8
		85	3	88	86	61	90	81	1
15	A05052-3TE	283	9	277	604	271	465	404	14
		84	4	66	84	60	76	72	10
16	A06003-3TE	343	4	220	555	345	361	370	17
		81	7	54	79	58	78	67	14
17	A06015-13TE	273	12	405	396	173	428	351	18
		77	11	73	73	35	77	65	16
18*	A06029-5TE	327	5						
		87	1						
19	A06084-1TE	130	23	288	637	405	370	425	11
		54	21	83	73	69	81	77	6
20	AO01114-4	316	6	191	536	385	416	382	15
		83	5	83	84	76	76	80	2
21	AO03123-2	175	21	252	558	356	461	407	13
		54	21	66	70	62	77	69	12
22	OR05039-4	218	15	273	743	353	488	464	7
		65	17	72	76	73	85	77	6
23	POR06V12-3	197	19	330	737	391	529	497	5
		60	19	80	84	70	80	79	5
Location Means		262		285	618	341	506	443	
		73		71	74	59	82	72	

TABLE 6: Yield of U.S. #1'S > 10 oz.(CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	>10 oz. - Early Harvest (CWT/A)/%		>10 (or 12**) oz. - Late Harvest (CWT/A)/%				Entry Mean	Rank
		Early (WA)	Rank	(ID)	(OR)		(LWA)		
					Herm**	KF**			
1	Ranger Russet	16	11	220	279	91	236	207	6
		5	10	39	33	14	35	30	10
2	Russet Burbank	6	16	79	270	123	87	140	14
		2	14	19	25	22	18	21	16
3*	Russet Norkotah	15	12			94			
		4	12			20			
4	A0012-5	5	18	76	718	75	406	319	2
		2	14	22	66	13	57	40	3
5	A0073-2	0	21	89	102	44	347	146	13
		0	21	21	13	8	54	24	14
6	A01325-1	33	7		557	155	328	347	1
		9	7		57	23	43	41	1
7*	A02062-1TE	9	14						
		2	14						
8	A02144-2	6	16	47	31	75	29	46	19
		2	14	14	6	14	7	10	19
9	A02424-83LB	7	15	161	213	76	238	172	10
		2	14	31	27	11	29	25	11
10	A03082-4	73	2	233	260	150	221	216	5
		18	3	49	26	18	30	31	9
11*	A03131-4TE	46	5						
		10	6						
12	A03921-2	11	13	211	467	93	205	244	3
		4	12	43	45	14	29	33	5
13	A05013-29	59	4	163	207	122	286	195	8
		13	4	52	24	17	39	33	4
14	A05015-5TE	42	6	164	350	135	235	221	4
		13	4	46	47	26	43	41	2
15	A05052-3TE	22	9	135	171	89	128	131	15
		7	8	32	24	20	21	24	12
16	A06003-3TE	26	8	151	290	140	132	178	9
		6	9	37	41	24	28	33	6
17	A06015-13TE	71	3	303	120	81	182	172	11
		20	2	54	22	16	33	31	8
18*	A06029-5TE	101	1						
		27	1						
19	A06084-1TE	3	19	117	162	89	50	105	18
		1	19	34	19	15	11	20	18
20	AO01114-4	20	10	63	173	99	136	118	16
		5	10	19	27	20	25	23	15
21	AO03123-2	0	21	143	140	92	74	112	17
		0	21	37	18	16	12	21	17
22	OR05039-4	0	21	146	366	147	133	198	7
		0	21	38	37	30	23	32	7
23	POR06V12-3	3	19	124	255	106	126	153	12
		1	19	30	29	19	19	24	12
Location Means		25		146	270	104	188	180	
		7		34	31	18	29	28	

TABLE 7: Yield of <4 oz. (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	<4 oz. - Early Harvest (CWT/A)/%		<4 oz. - Late Harvest (CWT/A)/%				Entry Mean	Rank
		Early (WA)	Rank	(ID)	(OR)		(LWA)		
					Herm	KF			
1	Ranger Russet	47	17	23	46	30	54	38	12
		14	15	4	5	5	8	6	15
2	Russet Burbank	65	10	32	67	36	73	52	8
		19	11	10	6	6	15	9	8
3*	Russet Norkotah	76	8			28			
		21	10			6			
4	A0012-5	42	21	15	46	25	25	28	18
		17	13	5	4	4	3	4	18
5	A0073-2	79	7	56	79	44	22	50	9
		26	8	17	10	8	3	10	7
6	A01325-1	68	9		23	15	38	25	19
		19	11		2	2	5	3	19
7*	A02062-1TE	57	13						
		16	14						
8	A02144-2	128	3	69	157	60	111	99	1
		37	4	21	29	11	25	22	1
9	A02424-83LB	134	2	43	59	65	60	57	5
		30	7	8	7	9	7	8	9
10	A03082-4	46	19	26	49	24	47	37	13
		11	21	6	5	3	6	5	16
11*	A03131-4TE	55	14						
		111	1						
12	A03921-2	64	11	33	48	31	54	42	11
		22	9	9	5	5	8	7	11
13	A05013-29	61	12	23	65	47	59	49	10
		14	15	7	8	7	8	8	10
14	A05015-5TE	44	20	24	39	27	25	29	17
		14	15	8	5	5	5	6	14
15	A05052-3TE	47	17	46	81	42	100	67	4
		14	15	11	11	9	16	12	3
16	A06003-3TE	53	16	14	34	23	59	33	15
		12	20	4	5	4	13	7	12
17	A06015-13TE	26	23	30	49	8	33	30	16
		7	23	3	9	2	6	5	16
18*	A06029-5TE	31	22						
		8	22						
19	A06084-1TE	104	6	24	79	54	68	56	6
		43	3	7	9	9	15	10	5
20	AO01114-4	54	15	27	65	29	88	52	7
		14	15	8	10	6	16	10	5
21	AO03123-2	148	1	40	91	43	126	75	2
		46	2	11	11	7	21	13	2
22	OR05039-4	111	4	22	50	27	45	36	14
		33	5	6	5	6	8	6	13
23	POR06V12-3	109	5	45	59	65	101	68	3
		33	5	11	7	12	15	11	4
Location Means		72		33	62	36	63	49	
		25		9	8	6	11	8	

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TABLE 8: Specific Gravity - EARLY AND LATE HARVEST

No.	Clone	Specific Gravity - Early Harvest		Specific Gravity - Late Harvest				Entry Mean	Rank
		EWA	Rank	ID	Herm	KF	LWA		
1	Ranger Russet	1.075	14	1.088	1.077	1.085	1.079	1.082	11
2	Russet Burbank	1.086	2	1.078	1.077	1.091	1.072	1.079	15
3*	Russet Norkotah	1.078	9			1.073		1.073	20
4	A0012-5	1.074	16	1.089	1.071	1.092	1.086	1.084	7
5	A0073-2	1.077	11	1.094	1.088	1.089	1.084	1.089	6
6	A01325-1	1.075	13		1.077	1.090	1.084	1.084	9
7*	A02062-1TE	1.067	21						
8	A02144-2	1.078	7	1.088	1.068	1.089	1.075	1.080	14
9	A02424-83LB	1.078	8	1.097	1.082	1.090	1.091	1.090	3
10	A03082-4	1.064	22	1.084	1.064	1.082	1.068	1.075	19
11*	A03131-4TE	1.070	20						
12	A03921-2	1.087	1	1.106	1.091	1.102	1.092	1.098	1
13	A05013-29	1.072	18	1.077	1.070	1.088	1.081	1.079	16
14	A05015-5TE	1.086	3	1.089	1.068	1.093	1.073	1.081	12
15	A05052-3TE	1.076	12	1.099	1.092	1.100	1.089	1.095	2
16	A06003-3TE	1.077	10	1.080	1.068	1.088	1.067	1.076	18
17	A06015-13TE	1.073	17	1.086	1.065	1.087	1.069	1.076	17
18*	A06029-5TE	1.084	4						
19	A06084-1TE	1.061	23	1.084	1.072	1.085	1.079	1.080	13
20	AO01114-4	1.071	19	1.094	1.081	1.098	1.087	1.090	4
21	AO03123-2	1.081	6	1.083	1.078	1.084	1.085	1.082	10
22	OR05039-4	1.075	15	1.094	1.073	1.091	1.077	1.084	8
23	POR06V12-3	1.082	5	1.094	1.082	1.094	1.086	1.089	5
Location Means		1.076		1.089	1.076	1.090	1.080	1.083	

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TABLE 9: Average Tuber Size, and Tuber Shape

No. Clone	Average Tuber Size (oz)					Tuber Shape (Length/Width Ratio)				
	WA E	ID L	OR Herm	WA L	Means Late only	WA E	ID L	OR Herm	OR KF	Entry Means
1 Ranger Russet	6.0	9.5	9.4	8.7	9.2	1.77	2.25	1.99	2.01	2.01
2 Russet Burbank	5.6	7.3	8.5	6.2	7.3	1.70	2.11	1.79	1.80	1.85
3* Russet Norkotah	5.1					1.78			2.01	1.89
4 A0012-5	5.3	8.9	11.7	10.7	10.5	1.60	1.51	1.59	1.47	1.54
5 A0073-2	4.4	6.2	6.7	10.5	7.8	1.63	1.69	1.55	1.67	1.64
6 A01325-1	5.3		11.2	9.0	10.1	1.76		1.49	1.54	1.59
7* A02062-1TE	5.5					1.81				1.81
8 A02144-2	4.1	5.3	4.7	4.7	4.9	1.38	1.92	1.35	1.75	1.60
9 A02424-83LB	4.4	7.2	7.6	7.6	7.5	1.87	1.93	1.71	1.80	1.83
10 A03082-4	6.3	9.3	9.8	9.1	9.4	1.53	1.79	1.82	1.73	1.72
11* A03131-4TE	6.1					1.49				1.49
12 A03921-2	4.8	8.2	9.8	7.7	8.6	1.79	2.04	1.62	1.60	1.76
13 A05013-29	6.0	8.9	8.3	8.2	8.5	1.93	1.52	1.86	2.02	1.83
14 A05015-5TE	6.1	7.7	9.5	8.6	8.6	1.57	1.71	1.53	1.65	1.61
15 A05052-3TE	5.7	6.9	7.2	6.0	6.7	1.53	1.94	1.33	1.76	1.64
16 A06003-3TE	6.0	11.0	9.0	7.1	9.0	1.80	1.97	1.72	1.59	1.77
17 A06015-13TE	7.5	10.4	7.6	8.7	8.9	1.61	1.99	1.60	1.61	1.70
18* A06029-5TE	7.6					1.76				1.76
19 A06084-1TE	4.0	7.7	7.1	6.0	6.9	1.91	2.04	1.92	1.84	1.93
20 A001114-4	5.8	7.6	7.2	6.4	7.0	1.62	1.87	1.60	1.69	1.70
21 A003123-2	3.7	7.4	6.7	5.4	6.5	1.81	2.06	1.79	1.87	1.88
22 OR05039-4	4.3	8.1	8.7	7.4	8.1	1.98	2.12	1.98	1.79	1.97
23 POR06V12-3	4.4	6.7	8.0	6.2	7.0	1.87	1.86	1.76	1.73	1.80
Location Means	5.4	8.0	8.3	7.6	8.0	1.72	1.91	1.68	1.75	1.75

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TABLE 10: EXTERNAL DEFECTS - Growth Cracks, Second Growth, Shatter Bruise, Scab
- MEANS OF LOCATIONS

No. Clone	Growth Cracks ¹		Second Growth ¹		Shatter Bruise ¹			Scab ¹	
	Early	Late	Early	Late	Early	Late	AB ²	Early	Late
1 Ranger Russet	5.0	4.2	5.0	4.0	5.0	3.7	2.8	5.0	4.7
2 Russet Burbank	2.7	3.7	2.0	3.1	5.0	3.0	2.4	5.0	4.9
3* Russet Norkotah	4.7	4.6	5.0	4.5	4.0	4.5		5.0	
4 A0012-5	4.3	4.4	5.0	4.8	5.0	3.9	3.7	5.0	4.7
5 A0073-2	5.0	4.5	5.0	4.9	5.0	3.7	2.2	5.0	4.8
6 A01325-1	5.0	4.4	5.0	4.7	5.0	2.9		5.0	3.6
7* A02062-1TE	5.0		5.0		5.0			5.0	
8 A02144-2	4.7	4.4	5.0	4.9	4.0	2.8	2.3	5.0	4.9
9 A02424-83LB	5.0	4.8	5.0	4.7	4.0	3.2	2.3	5.0	3.0
10 A03082-4	4.7	3.1	5.0	4.3	4.0	3.6	2.4	5.0	4.2
11* A03131-4TE	4.7		5.0		5.0			5.0	
12 A03921-2	5.0	4.4	5.0	4.7	5.0	3.4	2.8	5.0	4.4
13 A05013-29	5.0	4.2	5.0	4.5	5.0	3.7	2.8	5.0	4.0
14 A05015-5TE	5.0	4.5	5.0	4.8	5.0	3.3	3.1	5.0	4.8
15 A05052-3TE	4.3	4.8	5.0	4.9	4.0	3.8	2.3	5.0	4.6
16 A06003-3TE	5.0	4.2	5.0	4.5	5.0	3.8	2.6	5.0	4.9
17 A06015-13TE	3.3	3.5	5.0	4.6	5.0	3.1	2.7	5.0	4.8
18* A06029-5TE	5.0		5.0		4.0			5.0	
19 A06084-1TE	5.0	4.7	5.0	4.7	5.0	3.4	2.7	5.0	4.7
20 AO01114-4	4.3	3.9	5.0	4.6	5.0	3.3	2.6	5.0	4.9
21 AO03123-2	5.0	4.7	5.0	4.7	4.0	4.4	2.9	5.0	4.8
22 OR05039-4	5.0	4.6	5.0	4.7	5.0	4.2	2.8	5.0	4.3
23 POR06V12-3	5.0	4.8	5.0	4.5	5.0	3.7	3.0	5.0	4.9
Means	4.7	4.3	4.9	4.5	4.7	3.6	2.7	5.0	4.5

¹ Score 1-5, with 1=severe, 5=none.² Aberdeen shatter scores obtained from bruise evaluation conducted using a shatter chamber [1-5(none)].

TABLE 11: INTERNAL DEFECTS - Hollow Heart & Brown Center, Internal Brown Spot, Vascular Discoloration/Net Necrosis, Blackspot - MEANS OF LOCATIONS

No.	Clone	Percent Hollow Heart plus Brown Center		Percent Internal Brown Spot		Percent Net Necrosis/VD		Blackspot Bruise				
		Early	Late	Early	Late	Early	Late	Washington ¹	Herm	KF	OR ²	OR ²
1	Ranger Russet	0.0	0.6	0.0	3.7	-n/a-	2.5	4.0	5.0	6.3	3	2.2
2	Russet Burbank	50.0	14.9	0.0	4.1	-n/a-	2.5	4.0	5.0	2.5	13	2.8
3*	Russet Norkotah	0.0	5.0	0.0	0.0	-n/a-	5.0	5.0			15	
4	A0012-5	0.0	15.1	0.0	0.3	-n/a-	0.8	5.0	5.0	0.0	0	3.3
5	A0073-2	0.0	2.1	0.0	1.3	-n/a-	3.8	5.0	5.0	6.3	23	2.5
6	A01325-1	0.0	1.7	0.0	1.7	-n/a-	1.9	5.0	5.0	0.0	5	
7*	A02062-1TE	0.0		0.0		-n/a-		5.0				
8	A02144-2	0.0	1.3	0.0	4.1	-n/a-	5.8	5.0	5.0	2.5	13	2.2
9	A02424-83LB	0.0	0.0	0.0	2.2	-n/a-	8.3	5.0	5.0	1.3	13	2.8
10	A03082-4	0.0	0.3	0.0	1.7	-n/a-	0.8	5.0	5.0	0.0	5	2.2
11*	A03131-4TE	0.0		0.0		-n/a-		5.0				
12	A03921-2	0.0	3.8	0.0	11.6	-n/a-	6.7	5.0	5.0	0.0	25	2.3
13	A05013-29	0.0	2.8	0.0	1.9	-n/a-	6.7	5.0	5.0	1.3	8	1.3
14	A05015-5TE	0.0	2.3	0.0	1.3	-n/a-	1.7	5.0	5.0	10.0	18	1.7
15	A05052-3TE	0.0	2.8	0.0	2.5	-n/a-	0.8	4.0	4.0	11.3	5	1.9
16	A06003-3TE	0.0	2.2	0.0	3.1	-n/a-	5.4	5.0	5.0	12.5	15	2.3
17	A06015-13TE	0.0	0.0	0.0	0.0	-n/a-	5.0	4.0	4.0	13.8	3	2.0
18*	A06029-5TE	0.0		0.0	0.0	-n/a-		5.0				
19	A06084-1TE	0.0	3.4	0.0	4.4	-n/a-	5.8	5.0	5.0	0.0	33	2.4
20	AO01114-4	0.0	2.5	0.0	0.6	-n/a-	2.9	5.0	5.0	0.0	23	2.6
21	AO03123-2	0.0	8.8	0.0	0.0	-n/a-	2.5	5.0	5.0	0.0	0	3.5
22	OR05039-4	0.0	0.0	0.0	3.8	-n/a-	2.5	5.0	5.0	2.5	5	2.4
23	POR06V12-3	0.0	4.4	0.0	0.0	-n/a-	1.7	3.0	5.0	0.0	3	3.4
Means		2.2	3.7	0.0	2.3		3.7	4.7	4.9	3.7	11	2.4

¹ Score 1-5, with 1=severe, 5=none.

² Klamath Falls, and Hermiston, Oregon is percentage of tuber showing blackspot bruising.

³ Aberdeen blackspot scores from an abrasive peel test [1-5(none)].

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TABLE 12: Solids, Dextrose and Sucrose, Protein, Vitamin C and Glycoalkaloids

- Tubers Grown at Aberdeen, Idaho

Clone	Solids	Sugars		Protein (%DWB)	Vitamin C (mg/100g FWB)	Glycoalkaloids (mg/100gFWB)
	Oven Dry (%)	Dextrose (%FWB)	Sucrose (%FWB)			
1 Ranger Russet	22.8	0.07	0.17	4.52	29.0	2.2
2 Russet Burbank	19.8	0.12	0.15	3.90	15.9	1.0
3* Russet Norkotah						
4 A0012-5	23.7	0.05	0.28	4.84	25.5	2.6
5 A0073-2	23.6	0.02	0.19	4.51	21.9	2.1
6 A01325-1						
7* A02062-1TE						
8 A02144-2	21.8	0.02	0.12	4.94	20.3	3.7
9 A02424-83LB	25.7	0.03	0.22	5.04	31.5	3.8
10 A03082-4	20.2	0.08	0.16	5.21	21.2	7.3
11* A03131-4TE						
12 A03921-2	26.4	0.03	0.20	5.14	27.0	4.7
13 A05013-29	20.4	0.07	0.21	3.93	21.0	1.2
14 A05015-5TE	22.0	0.08	0.22	4.77	25.0	2.8
15 A05052-3TE	25.0	0.04	0.20	4.37	27.6	2.6
16 A06003-3TE	20.4	0.12	0.18	4.88	25.1	2.2
17 A06015-13TE	22.1	0.13	0.27	4.95	30.3	6.4
18* A06029-5TE						
19 A06084-1TE	22.7	0.01	0.18	5.14	20.7	3.8
20 AO01114-4	23.8	0.07	0.22	4.91	23.3	0.5
21 AO03123-2	20.8	0.06	0.24	5.11	13.9	2.1
22 OR05039-4	21.9	0.04	0.17	5.18	17.4	11.0
23 POR06V12-3	24.3	0.04	0.16	4.88	18.0	8.9
Means	22.7	0.06	0.20	4.79	23.0	3.8

FWB = fresh weight basis DWB = dry weight basis

Glycoalkaloids: The 2012 Lenape check from Aberdeen was 34.4 mg/100g

TABLE 13: French Fry Color (00-4.0(darkest)), and Percent Sugar Ends

No.	Clone	Fry 44 or 45 ^o						Fry 40 ^o			% Sugar Ends
		ID ¹	Herm	LWA ²	Postharvest		ID ¹	LWA ²	Postharvest		Means
					3 state avg. ³	All Entries Mean Rank			3 state avg. ³	All Entries Mean Rank	
1	Ranger Russet	0.5	2.3	1.0	1.7	1.4	12	3.5	2.0	3.2	16
2	Russet Burbank	0.9	2.9	2.0	2.3	2.0	15	3.9	4.0	3.7	22
3*	Russet Norkotah										
4	A0012-5	0.4	1.5	0.0	0.0	0.5	3	1.8	0.0	0.3	0
5	A0073-2	0.4	1.6	0.0	0.5	0.6	6	2.4	1.0	1.3	6
6	A01325-1		2.7	1.0	1.0	1.6	13		3.0	2.3	28
7*	A02062-1TE										
8	A02144-2	0.3	0.7	0.0	0.2	0.3	1	1.7	0.0	0.8	0
9	A02424-83LB	0.5	1.5	0.0	0.8	0.7	7	2.4	2.0	2.2	6
10	A03082-4	0.7	2.4	1.0	1.3	1.4	11	2.1	3.0	2.7	10
11*	A03131-4TE										
12	A03921-2	0.4	1.4	0.0	1.0			1.1	0.0	1.8	14
13	A05013-29	0.9	3.2	2.0	2.2	2.1	16	4.0	4.0	3.5	0
14	A05015-5TE	0.7	3.4	3.0	1.7	2.2	18	3.8	4.0	2.5	12
15	A05052-3TE	0.5	2.0	1.0	1.0	1.1	10	2.3	1.0	2.3	16
16	A06003-3TE	1.0	2.4	2.0	1.5	1.7	14	3.5	3.0	3.7	6
17	A06015-13TE	1.5	3.0	2.0	2.0	2.1	17	3.8	4.0	4.0	8
18*	A06029-5TE										
19	A06084-1TE	0.3	1.3	0.0	0.2	0.4	2	1.4	1.0	1.2	3
20	AO01114-4	0.6	2.0	0.0	0.3	0.7	9	3.2	2.0	2.0	9
21	AO03123-2	0.7	2.0	0.0	0.2	0.7	8	3.3	2.0	2.0	13
22	OR05039-4	0.3	1.8	0.0	0.0	0.5	4	2.4	3.0	1.8	6
23	POR06V12-3	0.4	2.1	0.0	0.0	0.6	5	2.2	2.0	2.0	5
Location Means		0.6			0.9	1.1		2.7		2.3	9

¹ Samples held for 4 week cool down period - 7 weeks at storage temperature.² Samples held for 60 days at 44 or 40°F³ Three state average processed at Washington - For complete postharvest results see <http://www.potatoes.wsu.edu/>

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 TABLE 14: Merit Scores (1-5(best))

No.	Clone	Process Merit					Postharvest Merit ** 3 State Avg.	Early WA	Fresh Merit					
		ID	OR	WA	MEANS	RANK			WA	ID	Herm	OR	WA	MEANS
1	Ranger Russet	3.2	2.0	3.1	2.8	13	3.3	1.4	3.8	2.0	1.0	1.4	1.9	18
2	Russet Burbank	1.8	2.0	1.8	1.9	19	2.0	0.9	3.0	2.0	1.5	0.5	1.6	23
3*	Russet Norkotah							1.4			3.5		2.5	6
4	A0012-5	1.5	4.0	4.8	3.4	6	4.5	0.8	3.0	2.0	1.5	1.9	1.8	20
5	A0073-2	2.9	4.0	4.5	3.8	1	4.5	1.0	3.0	3.0	3.0	1.4	2.3	9
6	A01325-1		2.0	3.1	2.6	16	3.5	1.6		3.5	1.0	2.1	2.1	14
7*	A02062-1TE							2.6					2.6	5
8	A02144-2	3.3	2.0	4.1	3.1	9	4.3	0.4	3.0	4.0	1.0	0.7	1.8	21
9	A02424-83LB	3.9	3.0	3.9	3.6	4	3.9	1.1	4.0	2.0	1.0	2.0	2.0	15
10	A03082-4	3.3	3.0	2.2	2.8	12	2.4	2.3	3.0	2.0	1.0	1.6	2.0	17
11*	A03131-4TE							3.2					3.2	1
12	A03921-2	3.6	3.0	4.1	3.6	5	3.9	1.4	3.0	2.0	1.0	3.1	2.1	12
13	A05013-29	2.5	2.0	1.9	2.1	17	2.2	2.5	2.0	2.0	1.0	2.0	1.9	19
14	A05015-5TE	2.7	2.0	1.5	2.1	18	2.0	2.4	3.0	2.0	1.0	0.7	1.8	21
15	A05052-3TE	3.6	3.0	3.5	3.4	8	3.3	2.8	3.5	4.0	1.0	0.8	2.4	7
16	A06003-3TE	2.1	4.0	2.7	2.9	11	2.6	3.5	3.5	4.0	2.0	0.8	2.8	3
17	A06015-13TE	3.5	2.0	2.6	2.7	15	2.5	2.9	3.5	2.0	1.0	1.1	2.1	13
18*	A06029-5TE							2.3					2.3	8
19	A06084-1TE	3.5	3.5	3.8	3.6	3	3.8	1.4	4.5	2.0	2.0	0.8	2.1	11
20	AO01114-4	1.5	2.5	4.2	2.7	14	4.2	3.1	2.5	4.0	3.5	1.4	2.9	2
21	AO03123-2	2.8	2.0	4.3	3.0	10	4.0	1.0	2.5	3.5	2.0	2.1	2.2	10
22	OR05039-4	3.1	3.5	3.6	3.4	7	3.9	0.9	3.0	3.5	1.0	1.5	2.0	16
23	POR06V12-3	3.6	4.0	3.5	3.7	2	4.0	1.0	3.5	3.5	3.0	2.3	2.7	4
Location Means		2.9	2.8	3.3	3.0		3.4	1.8	3.2		1.7	1.5	2.2	

** For Complete information and procedures see Washington at www.potatoes.wsu.edu/

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TABLE 15: Disease Evaluations

No. Clone	Vert. Wilt/ Early Dying		Early Blight		Late Blight			Common Scab		% Net Necrosis/ vascular discoloration ¹		Pecto- bacterium	Metr. Reaction			
	AB ¹		AB ¹		CORV ²			AB ¹		*AB (2011 data)		Soft Rot ¹				
	AB ¹ (0-9)	AUDPC	HERM (0-9)	AUDPC	Foliar (0-9)	AUDPC	Tuber	Foliar 0-9	AUDPC	%	Incidence	% Serious Defect		Incidence	% Serious Defect	AB 0-5
1 Ranger Russet	4.7	130	6.3	118.7	5.3	173	0	8.3	1510	45.0	46	14	67	8	3.7	MR
2 Russet Burbank	7.3	531	8.9	191.3	5.3	268	0	8.3	1459	7.5	3	0	70	12	3.5	MR
3 Russet Norkotah	9.0	975	--	--	6.0	313	0	9.0	1754	15.0	21	2	50	2	4.5	--
4 A0012-5	3.0	41	2.0	38.3	3.3	79	0	--	--	--	50	16	61	22	0.1	MR
5 A0073-2	6.3	205	7.4	141.2	6.7	259	2	--	--	--	13	0	46	3	4.1	MS
6 A01325-1	4.3	97	2.5	41.1	5.0	188	4	5.3	959	5.0	70	33	50	20	4.5	MR
7* A02062-1TE	8.0	665	--	--	7.3	509	0	9.0	1889	15.0	12	0	30	3	3.0	--
8 A02144-2	9.0	875	8.6	210.9	7.5	545	0	9.0	1940	7.5	25	10	34	8	3.6	MR
9 A02424-83LB	5.0	90	6.8	146.8	4.7	133	10	4.5	408	10.0	37	9	60	16	1.5	R
10 A03082-4	6.7	288	6.3	141.8	5.3	211	15	9.0	1749	2.5	21	6	62	11	4.5	VS
11* A03131-4TE	7.0	355	--	--	5.3	219	2	9.0	1918	2.5	13	8	34	2	3.5	--
12 A03921-2	6.7	368	6.0	117.0	4.7	143	0	7.0	1293	7.5	28	7	59	8	3.3	R
13 A05013-29	9.0	875	8.9	195.2	7.0	620	2	8.0	1591	5.0	41	12	67	29	0.7	R
14 A05015-5TE	8.7	690	9.0	221.6	7.7	537	0	9.0	1809	2.5	62	23	51	0	2.5	S
15 A05052-3TE	7.0	405	6.6	114.2	6.3	261	6	8.5	1648	7.5	53	18	44	6	2.7	MR
16 A06003-3TE	7.7	460	9.0	219.9	6.0	338	0	--	--	--	42	9	85	16	3.1	S
17 A06015-13TE	9.0	890	9.0	218.8	7.0	510	3	9.0	1829	2.5	8	0	25	2	0.9	MR
18* A06029-5TE	9.0	833	--	--	7.0	433	2	8.3	1585	20.0	14	0	62	2	3.9	--
19 A06084-1TE	8.3	718	8.6	191.3	6.0	340	1	9.0	1840	22.5	53	19	67	6	2.7	MS
20 AO01114-4	8.0	638	7.9	183.4	6.7	443	1	9.0	1803	7.5	0	0	45	4	3.1	MR
21 AO03123-2	4.7	81	6.6	147.4	5.7	252	0	8.0	1451	20.0	32	7	60	10	4.1	MS
22 OR05039-4	5.3	188	4.8	95.6	4.3	135	4	8.0	1461	15.0	31	14	40	10	2.6	R
23 POR06V12-3	7.0	472	6.0	134.4	5.7	252	2	7.0	1252	12.5	9	0	56	11	3.7	MR
MEANS	7.0	472	6.9	151.0	5.9	311	2	8.1	1557	11.6	29.7	9.1	53	9	3.0	
LSD @ .05	1.1				1.5		9	0.8	138	8	22.0	11.0	34	17	1.4	

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.

Early Blight and Vert. Wilt 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. Net necrosis data from PLRV-infected plots.

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

Late blight AUDPC=area under the disease progress curve. Higher number indicates more disease over time; % of tubers examined with any late blight symptoms.

³ Metribuzin Reaction measured at Aberdeen, ID. VR=very resistant, R=Resistant, MR=Moderately resistant, MS=moderately susceptible, S=susceptible VS=very susceptible

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TABLE 16: Summary

Clone	Year in Trial	Use	Early Late	Yield Late	US#1's CWT	%	Tuber Size	Specific Gravity	Fry Color	Merit F	Score P	Comments	Dis
1 Ranger	CK	Dual	323	675	437	64	9.2	1.082	1.4	1.9	2.8		
2 R. Burbank	Ck	Dual	334	621	371	60	7.3	1.079	2.0	1.6	1.9		
3* Norkotah	Ck	Fresh	357		0	0	0.0	1.073	0.0	2.5	0.0		
4 A0012-5	1	Dual	246	674	526	72	10.5	1.084	0.5	1.8	3.4	good color, HH	return
5 A0073-2	1	Dual	308	591	476	80	7.8	1.089	0.6	2.3	3.8	good process merit	return
6 A01325-1	2	Dual	365	806	627	76	10.1	1.084	1.6	2.1	2.6	yield? No Idaho, disease res	discard
7* A02062-1TE	1	Dual	368	0	0	0	0.0	0.000	0.0	2.6	0.0		adv to WR
8 A02144-2	1	Dual	342	459	309	68	4.9	1.080	0.3	1.8	3.1	small, short, good fry color	discard
9 A02424-83LB	1	Dual	442	710	565	79	7.5	1.090	0.7	2.0	3.6	high Vit C, disease res	adv to WR
10 A03082-4	1	Dual	414	760	433	59	9.4	1.075	1.4	2.0	2.8	GC, low SG	discard
11* A03131-4TE	1	Dual	485	0	0	0	0.0	0.000	0.0	3.2	0.0	early good, short	discard
12 A03921-2	2	Dual	290	714	515	71	8.6	1.098	0.0	2.1	3.6	IBS, high SG	return
13 A05013-29	2	Dual	443	655	423	67	8.5	1.079	2.1	1.9	2.1		discard
14 A05015-5TE	1	Dual	323	538	438	81	8.6	1.081	2.2	1.8	2.1	Blackspot, disease susc	discard
15 A05052-3TE	1	Dual	338	550	404	72	6.7	1.095	1.1	2.4	3.4	Blackspot	return
16 A06003-3TE	2	Dual	423	539	370	67	9.0	1.076	1.7	2.8	2.9		return
17 A06015-13TE	1	Dual	355	532	351	65	8.9	1.076	2.1	2.1	2.7	high Vit C, GC	discard
18* A06029-5TE	1	Dual	376	0	0	0	0.0	0.000	0.0	2.3	0.0		discard
19 A06084-1TE	1	Dual	242	564	425	77	6.9	1.080	0.4	2.1	3.6	good color and shape	return
20 A001114-4	1	Dual	382	506	382	80	7.0	1.090	0.7	2.9	2.7	fresh merit good	adv to WR
21 A003123-2	1	Dual	323	586	407	69	6.5	1.082	0.7	2.2	3.0		return
22 OR05039-4	2	Dual	336	605	464	77	8.1	1.084	0.5	2.0	3.4	high TGA	adv to WR
23 POR06V12-3	2	Dual	328	626	497	79	7.0	1.089	0.6	2.7	3.7	process merit good	adv to WR

2012 TRI-STATE RUSSET POTATO VARIETY TRIAL

TABLE 17: WASHINGTON STATE POSTHARVEST EVALUATIONS - Early Harvest

	Clone	Comments from Washington Early Trial	Carton Yield		Shape	
			% of Total Yield	Process Yield Tons/A	Uniformity	Greening
			US 1 (7-18 oz)			
1	Ranger Russet	Nice size uniformity.	43	58.0	2.7	5.0
2	Russet Burbank	Knobs, cracks, pears	26	41.0	1.3	5.0
3	Russet Norkotah	Nonuniform russet, a few pears, a bit flat.	27	42.4	2.7	5.0
4	A0012-5	Irregular shape, thick stolons.	32	53.6	2.7	5.0
5	A0073-2	Small, irregular shape.	10	23.3	2.3	5.0
6	A01325-1	Large white, spotty skin, shape a bit irregular.	34	51.5	2.7	5.0
7	A02062-1TE	Mostly tpy, pointy ends.	37	49.7	3.7	5.0
8	A02144-2	Golf balls, baseballs, and a few pears.	14	24.2	2.7	5.0
9	A02424-83LB	White skin, powdery scab, uniform shape.	17	29.8	2.7	5.0
10	A03082-4	Large, spotty russeting, pear shaped.	55	67.9	2.3	5.0
11	A03131-4TE	Many round ones, good skin set.	50	64.7	3.7	5.0
12	A03921-2	Spotty russeting, variable shape.	28	39.6	2.3	4.7
13	A05013-29	Large, spotty russeting, lot of irregular shapes.	46	62.7	2.0	5.0
14	A05015-5TE	Mostly tpy, poor skin set, short.	47	62.5	3.7	4.7
15	A05052-3TE	Poor skin set, blocky, tpy.	45	58.2	3.7	5.0
16	A06003-3TE	Typy, some with irregular shapes.	47	61.2	3.3	5.0
17	A06015-13TE	Large, many growth cracks, shape a bit irregular.	53	65.1	3.3	5.0
18	A06029-5TE	Large, irregular shape, spotty russet.	65	78.4	2.7	5.0
19	A06084-1TE	Small, tpy, not early.	16	26.0	4.0	5.0
20	AO01114-4	Some tpy, shape variable.	42	54.1	3.0	5.0
21	AO03123-2	Small, not early.	4	12.5	3.7	5.0
22	OR05039-4	White, long, skinny spotty skin.	15	24.9	4.0	5.0
23	POR06V12-3	Irregular shapes, small, mostly tpy.	19	36.3	2.7	5.0

2012 TRI-STATE RUSSET POTATO VARIETY TRIAL

TABLE 18: WASHINGTON STATE POSTHARVEST EVALUATIONS - Late Harvest

	Clone	Carton Yield		Postharvest Evaluations											
		% of Total Yield	Process Yield Tons/A	48°F				44°F				40°F			
				WA	ID	OR	Means	WA	ID	OR	Means	WA	ID	OR	Means
1	Ranger Russet	49	80.4	1	0	0	1.2	1	1	1	1.7	2	2	4	3.2
2	Russet Burbank	45	60.9	2	2	2	2.0	2	2	3	2.3	4	3	4	3.7
3	Russet Norkotah														
4	A0012-5	55	87.7	0	0	0	0.0	0	0	0	0.0	0	0	1	0.3
5	A0073-2	57	88.1	0	0	0	0.5	0	0	0	0.5	1	0	0	1.3
6	A01325-1	65	83.5	1	0	2	1.0	1	0	2	1.0	3	1	3	2.3
7	A02062-1TE														
8	A02144-2	31	42.7	0	0	0	0.0	0	0	0	0.2	0	0	0	0.8
9	A02424-83LB	62	76.6	0	0	0	0.3	0	0	1	0.8	2	1	2	2.2
10	A03082-4	44	71.0	1	0	1	0.7	1	1	2	1.3	3	2	3	2.7
11	A03131-4TE														
12	A03921-2	51	73.8	0	0	0	0.8	0	0	0	1.0	0	0	1	1.8
13	A05013-29	58	80.4	2	0	3	1.5	2	1	3	2.2	4	3	3	3.5
14	A05015-5TE	54	78.8	1	1	2	0.7	3	2	2	1.7	4	3	4	2.5
15	A05052-3TE	48	60.4	0	0	0	0.3	1	0	2	1.0	1	1	2	2.3
16	A06003-3TE	51	70.2	0	0	2	0.8	2	0	1	1.5	3	3	4	3.7
17	A06015-13TE	55	70.3	1	2	0	1.0	2	2	2	2.0	4	4	4	4.0
18	A06029-5TE														
19	A06084-1TE	43	57.2	0	0	0	0.0	0	0	0	0.2	1	0	1	1.2
20	AO01114-4	39	57.5	0	0	0	0.0	0	0	1	0.3	2	1	2	2.0
21	AO03123-2	40	53.1	0	0	0	0.0	0	0	1	0.2	2	2	3	2.0
22	OR05039-4	54	74.2	0	0	0	0.0	0	0	0	0.0	3	1	1	1.8
23	POR06V12-3	48	66.1	0	0	0	0.0	0	0	0	0.0	2	2	2	2.0

Three state average processed at Washington - For complete postharvest results see <http://www.potatoes.wsu.edu/>

2012 TRI-STATE RUSSET POTATO VARIETY TRIAL
TABLE 19: State Comments - Late Harvest

Idaho		Hermiston	Late Washington
1	Ranger Russet	long thin fairly straight No JE	knobs, bottlenecks, large and long
2	Russet Burbank	Jelly Ends	knobs, bottlenecks, misshapen
4	A0012-5	big, MHR, curves, lumps, HH	too big, poor shape, heat sprouts
5	A0073-2	short, blocky, ATS	nice shape, few pointy, little flat
6	A01325-1		big, flat pears, poor shape
8	A02144-2	MHR, small but nice, some shatter	nice blocky, lots small
9	A02424-83LB	MLR, Nice, blocky, brow	knobs, crooks, pears, poor shape
10	A03082-4	MLR, blocky, some GC, lumps	long, growth cracks, bottlenecks
12	A03921-2	LR, oblong, nice	large, flat, bottlenecks, pear shaped
13	A05013-29	MHR, oblong, GC, lumps	big, long, crooks, bottlenecks
14	A05015-5TE	ATS, MR, blocky	too large, round, growth cracks
15	A05052-3TE	MR, oblong, nice, few curves, some skin checking	nice shape, blocky
16	A06003-3TE	MHR, long, curved, knobs, ugly	nice shape and size, few crooks
17	A06015-13TE	long, MLR, bright eyes, smooth	severe growth cracks, pear shaped
19	A06084-1TE	MR, long, nice shape	blocky, some long, thin, few crooks
20	AO01114-4	bad skin checking	nice, blocky shape, few knobs
21	AO03123-2	Mr, long, size varies	ok shape, round, few bottlenecks
22	OR05039-4	deep ends, folds	long, thin, few knobs, bottlenecks
23	POR06V12-3	MHR, blocky	nice shape, blocky, heavy russet

ATS= attached stolons

2012 TRI-STATE RUSSET POTATO VARIETY TRIAL

TABLE 20: Late Harvest Additional Date - Klamath Falls, OR

		Skinner			Eye	Blackspot	Rhizoc	comments
		Uniformity	Greening	Depth	Bruise	(1-5)		
		(1-5(best))	(1-5(best))	(1-5(shallow))	(1-5(none))	5=none)		
1	Ranger Russet	4.1	3.0	4.0	3.5	3	3.6	hooky-crooky, MS, 2's
2	Russet Burbank	4.1	3.6	4.5	3.6	13	4.5	MS x 4, Pty x 4, Poor x 4
3	Russet Norkotah	4.8	3.9	3.3	4.0	15	4.8	Pty SE x 3, MS x 4, Poor for R. Nork
4	A0012-5	4.0	3.5	4.4	4.0	0	2.9	Rnd x 3, Eratic Shape x 4, Drop x 4
5	A0073-2	4.0	4.4	4.3	4.4	23	4.1	Typy x 4, Small x 4, Fresh Maybe
6	A01325-1	4.4	3.0	3.4	4.0	5	4.1	Proc only x 4, SB x 4, Poor x 4
8	A02144-2	4.3	4.0	4.0	3.8	13	4.1	Proc only x 4, SB x 3, Poor x 3
9	A02424-83LB	4.5	4.0	3.3	4.1	13	3.0	Proc only x 4, Smooth x 4, Typy x 4, Keep
10	A03082-4	4.3	2.3	3.3	2.9	5	3.6	Lumpy x 4, Junk x 4, Drop x 4
12	A03921-2	4.1	3.1	2.9	3.8	25	3.3	Proc only, MS x 4, SB x 3, Drop x 4
13	A05013-29	4.4	3.9	3.5	3.9	8	4.4	Proc only, MS x 3, Pty SE x 3, 2's, Poor, Drop
14	A05015-5TE	4.1	4.0	3.3	3.9	18	4.1	Proc only, GE x 3, Fair x 4
15	A05052-3TE	4.5	4.1	3.1	3.9	5	4.4	Proc only, Pty x 3, lenticels x 3
16	A06003-3TE	3.3	3.6	3.8	4.0	15	4.6	Plump x 3, Hvy Net x 3, Fair, Drop
17	A06015-13TE	4.0	3.0	4.0	3.6	3	4.8	Total Junk x 4, Drop
19	A06084-1TE	4.3	4.1	4.4	3.5	33	4.4	Hvy Net x 4, Brows x 4, Not Fresh, Drop
20	AO01114-4	4.1	4.5	4.3	3.5	23	3.9	Typy, SB, Fresh Potential
21	AO03123-2	4.0	4.0	4.0	3.6	0	4.5	Proc only, Typy x 4
22	OR05039-4	4.8	4.3	4.0	4.0	5	4.1	Proc only, Pty SE, Few MS, Fair
23	POR06V12-3	4.1	4.3	4.0	4.0	3	4.1	Hvy Net x 4, Small x 4, Fresh Maybe

category is Impact Bruise - percentage of tubers with TNC, Shatter, White-knot, BS, etc.