

2007
TRI-STATE
POTATO VARIETY TRIAL REPORT

State Experiment Stations and
USDA-ARS Cooperating

Washington

Oregon

Idaho

2007 TRI-STATE POTATO VARIETY TRIAL REPORT

TABLE

- 1 Locations, Cooperators, and Cultural Information
- 2 Clone, Seed Source, Stand, Tuber and Vine Characteristics, Stems per Plant
- 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 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 Bruise
- 11 French Fry Color and Percent Sugar Ends
- 12 Disease Evaluations, Mertriazin Reaction - Aberdeen, Hermiston, Corvallis, and Prosser
- 13 Solids, Dextrose, Sucrose, Protein, Vitamin C, and Glycoalkaloids - Aberdeen
- 14 Merit Scores
- 15 Summary of Entries' Performances
- 16 Late Harvest Trial Comments and Information by State
- 17 Washington State Postharvest Evaluations
- 18 Washington State Postharvest Evaluations Early Harvest

TABLE 1: 2007 Tri-State Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

Locations	Cooperators	Trial	Irrigation	Fertilizer	Planting	Vine Kill	Harvest	Days to	Days to	Herbicides	Insecticides	Fungicides
				N-P-K-S(lb/A)	Date	Date	Date	Vine Kill	Harvest			
Aberdeen Idaho (ID)	J. Stark J. Whitworth R. Novy P. Bain M. Chappell	Late	Sprink.	235-105-50	1-May	4-Sep	26-Sep	126	148	Sencor DF Matrix Eptam	Admire Pro	Quadris Opti Dithane F-45
Hermiston Oregon (OR)	D. Hane, L. Leroux I. Vales	Late	Pivot	285-80-0-40	4-Apr	4-Sep	17-Sep	153	166	Matrix Eptam	Admire Asana Monitor Onager Mocap EC Monitor Onager Comite	Vapam Ridomil Gold Bravo Dithane Quadris Omega
Othello (EWA) Washington	M Pavek R. Knowles N. Fuller Z. Holden	Early	Sprink.	278-175-400	4-Apr	23-Jul	7-Aug	110	125	Prowl H2O Matrix Eptam Outlook	Platinum Success Oberon Assail Telone II C-17	Quadris Penncozeb Bravo Omega
Othello (LWA) Washington	M Pavek R. Knowles N. Fuller Z. Holden	Late	Sprink.	278-175-400	18-Apr	17-Sep	26-Sep	152	161	Prowl H2O Matrix Eptam Outlook	Platinum Success Oberon Assail Telone II C-17	Quadris Penncozeb Bravo Omega

Planted at 10 inch in-row spacing.

TABLE 2: 2007 Tri-State Potato Variety Trial - CLONE, PARENTS, FLOWER COLOR, ENTERED BY, SEED SOURCE, STAND, TUBER AND VINE CHARACTERISTICS, STEMS PER PLANT

No	Clone	Parents	Flower Color	Entered by	Use	Trial Year	Seed Source	Mean Stand %	Tuber		Vine		Stems/ Plant				
									Means	Shape	Means	Skin		Means	Size	Means	Maturity
1	Ranger Russet	Butte A6595-3	Med Red-purple	Check	Dual	Ck	OR	99	4.3	Long	3.9	Med Russet	2.5	Small	2.5	Early	2.1
2	Russet Burbank	Early Rose ?	White	Check	Dual	Ck	OR	100	4.0	Obl-Lng	3.2	Med Russet	2.0	Small	1.7	Early	2.1
3*	Russet Norkotah	ND9687-5 Ru ND9526-4 Ru	White	Check	Fresh	Ck	OR	-	4.0	Obl-Lng	3.8	Med Russet	2.0	Small	2.0	Early	2.2
4*	Shepody	Bake King F58050	Lt . Pink	Check	Proc	Ck	OR	-	3.0	Oblong	1.0	White	3.5	Med-large	4.0	Med--late	1.5
5	A0008-1TE	Blazer R A95109-1	White	ID	Dual	2	OR	100	3.8	Obl-Lng	3.6	Med Russet	1.3	Small	1.3	Early	2.3
6	A96814-65LB	AWN86514-2 A91194-3	White	ID	Dual	1	ID	99	2.5	Rnd-Obl	3.9	Med Russet	2.0	Small	2.7	Med Early	1.9
7	A97066-42LB	AWN86514-2 A86102-6	White	ID	Dual	2	OR	99	3.7	Obl-Lng	2.4	Light Russet	2.0	Small	3.4	Medium	1.3
8	A98345-1	Ranger R A93157-6LS	White	ID	Dual	1	ID	99	3.6	Obl-Lng	2.2	Light Russet	1.8	Small	2.9	Med Early	2.0
9	A99073-1	A9201-6 A9045-7	White	ID	Dual	1	ID	97	3.1	Oblong	3.0	Light Russet	1.3	Small	1.5	Early	1.3
10	AO96305-3	A91018-6 A89152-4	Med Red-purple	OR	Dual	1	OR	100	4.7	Long	2.9	Light Russet	2.5	Small	2.7	Med Early	2.3
11	AO96365-2	A91141-1 Ranger	Med Red-purple	OR	Dual	1	OR	100	3.8	Obl-Lng	3.9	Med Russet	2.8	Medium	3.3	Medium	1.8
12	PA00N10-5	PA9514-22 Rus bulk	White	WA	Dual	2	OR	99	2.7	Oblong	2.7	Light Russet	2.5	Small	3.8	Med--late	1.9
13	PA00N14-2	PA95A14-22 Rus bulk	White	WA	Dual	1	OR	100	4.5	Long	3.2	Med Russet	1.5	Small	1.4	Early	2.1
14	PA00N15-2	PA99N33-1 A84180-8	White	WA	Dual	1	OR	99	4.1	Long	2.3	Light Russet	2.0	Small	2.0	Early	1.7
15	PA98NM38-1	PO94A19.6 Summit R	White	WA	Dual	1	OR	99	3.4	Oblong	3.0	Light Russet	1.8	Small	2.7	Med Early	2.3
16	PA98NM39-1	PA94A19.6 A9289-2	White	WA	Dual	1	OR	99	3.4	Oblong	2.9	Light Russet	2.3	Small	2.4	Early	2.0
17	PA99N12-1	PA95A11-14 PA95A14-43	White	WA	Dual	1	OR	99	3.1	Oblong	2.5	Light Russet	2.3	Small	3.2	Medium	2.1
18	PA99N2-1	AO84275-3 G6582-3	White	WA	Dual	2	OR	100	2.4	Rnd-Obl	3.3	Med Russet	2.8	Medium	2.5	Early	2.7
19	PA99N82-4	PA95B4-149 Rus bulk	White	WA	Dual	2	OR	99	2.4	Rnd-Obl	4.0	Med Russet	1.5	Small	1.8	Early	2.3

* Early trial

TABLE 3: 2007 Tri-State 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)				
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)	Entry Mean	Rank
1	Ranger Russet	479	479	8	470	909	601	660	9
2	Russet Burbank	475	475	9	566	980	537	694	7
3	Russet Norkotah	445	445	14	-	-	-	-	-
4	Shepody	497	497	5	-	-	-	-	-
5	A0008-1TE	487	487	7	402	668	585	552	16
6	A96814-65LB	436	436	15	418	915	615	649	10
7	A97066-42LB	378	378	17	435	977	577	663	8
8	A98345-1	549	549	3	298	1150	735	728	5
9	A99073-1	355	355	18	320	582	478	460	17
10	AO96305-3	467	467	11	479	744	554	592	14
11	AO96365-2	500	500	4	508	1227	586	774	2
12	PA00N10-5	.	-	-	609	1182	577	789	1
13	PA00N14-2	554	554	2	506	707	583	599	13
14	PA00N15-2	565	565	1	528	1075	651	751	4
15	PA98NM38-1	428	428	16	493	732	466	564	15
16	PA98NM39-1	464	464	12	492	902	552	649	11
17	PA99N12-1	469	469	10	479	1146	549	725	6
18	PA99N2-1	495	495	6	531	1153	583	756	3
19	PA99N82-4	448	448	13	421	1012	495	643	12
Location Means		447	447		442	892	540	625	
LSD (.05)								NS	

TABLE 4: 2007. Tri-State Potato Variety Trial - YIELD OF U.S. #1'S (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	U.S. No. 1's - Early Harvest (CWT/A)/%			U.S. No. 1's - Late Harvest (CWT/A)/%				
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)	Entry Mean	Rank
1	Ranger Russet	426	426	6	348	783	521	551	7
		89	89	5	74	86	87	82	9
2	Russet Burbank	344	344	14	250	462	405	372	17
		72	72	17	44	47	75	56	17
3	Russet Norkotah	370	370	12	-	-	-	-	-
		83	83	11	-	-	-	-	-
4	Shepody	454	454	4	-	-	-	-	-
		91	91	2	-	-	-	-	-
5	A0008-1TE	424	424	7	350	541	477	456	14
		87	87	6	87	81	82	83	7
6	A96814-65LB	389	389	10	352	781	536	556	6
		89	89	4	84	85	87	85	4
7	A97066-42LB	293	293	17	372	880	504	585	4
		77	77	14	86	90	87	88	1
8	A98345-1	502	502	1	226	1050	664	647	1
		91	91	1	76	91	90	86	3
9	A99073-1	256	256	18	278	536	386	400	15
		72	72	18	87	92	81	87	2
10	AO96305-3	387	387	11	384	604	480	489	13
		83	83	12	80	81	87	83	8
11	AO96365-2	435	435	5	434	943	460	612	3
		87	87	7	85	77	78	80	11
12	PA00N10-5	-	-	-	498	673	455	542	9
		-	-	-	82	57	79	73	15
13	PA00N14-2	499	499	2	424	586	494	501	12
		90	90	3	84	83	85	84	6
14	PA00N15-2	488	488	3	321	899	526	582	5
		86	86	8	61	84	81	75	14
15	PA98NM38-1	319	319	16	425	439	323	396	16
		75	75	15	86	60	69	72	16
16	PA98NM39-1	366	366	13	410	735	425	523	10
		79	79	13	83	81	77	80	10
17	PA99N12-1	397	397	9	399	805	442	549	8
		85	85	9	83	70	81	78	12
18	PA99N2-1	415	415	8	462	1019	455	645	2
		84	84	10	87	88	78	84	5
19	PA99N82-4	325	325	15	336	824	347	502	11
		72	72	16	80	81	70	77	13
Location Means		394	394		369	739	465	524	
LSD (.05)		83	83		79	79	81	80	NS

TABLE 5: 2007 Tri-State Potato Variety Trial - YIELD > 12 OZ (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	U.S. No. 1's > 12 OZ - Early Harvest (CWT/A)/%			U.S. No. 1's >12 OZ - Late Harvest (CWT/A)/%			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	95	95	8	109	373	173	218	3
		20	20	8	23	41	29	31	4
2	Russet Burbank	53	53	13	55	217	28	100	14
		11	11	13	10	22	5	12	15
3	Russet Norkotah	38	38	15	-	-	-	-	-
		8	8	15	-	-	-	-	-
4	Shepody	224	224	2	-	-	-	-	-
		45	45	2	-	-	-	-	-
5	A0008-1TE	112	112	6	38	151	71	87	15
		23	23	6	9	23	12	15	14
6	A96814-65LB	119	119	5	42	290	214	182	7
		27	27	4	10	32	35	25	6
7	A97066-42LB	16	16	17	137	355	143	212	4
		4	4	17	31	36	25	31	5
8	A98345-1	149	149	3	103	714	282	366	1
		27	27	5	35	62	38	45	1
9	A99073-1	138	138	4	126	287	85	166	8
		39	39	3	39	49	18	35	3
10	AO96305-3	78	78	10	90	152	75	106	13
		17	17	10	19	20	13	18	11
11	AO96365-2	50	50	14	75	329	46	150	9
		10	10	14	15	27	8	17	13
12	PA00N10-5	-	-	-	268	267	41	192	6
		-	-	-	44	23	7	25	8
13	PA00N14-2	25	25	16	30	33	10	24	17
		5	5	16	6	5	2	4	17
14	PA00N15-2	262	262	1	177	556	205	313	2
		46	46	1	34	52	31	39	2
15	PA98NM38-1	6	6	18	147	7	5	53	16
		1	1	18	30	1	1	11	16
16	PA98NM39-1	88	88	9	112	240	67	140	10
		19	19	9	23	27	12	21	9
17	PA99N12-1	65	65	11	60	276	70	135	11
		14	14	11	13	24	13	17	12
18	PA99N2-1	99	99	7	180	392	38	203	5
		20	20	7	34	34	7	25	7
19	PA99N82-4	61	61	12	73	266	50	130	12
		14	14	12	17	26	10	18	10
Location Means		93	93		107	289	94	163	
LSD (.05)		19	19		23	30	16	23	153

TABLE 6: 2007 Tri-State Potato Variety Trial - YIELD < 4 OZ (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	Yield < 4 OZ - Early Harvest (CWT/A)/%			U.S. No. 1's < 4 OZ - Late Harvest (CWT/A)/%			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	32	32	16	33	45	60	46	12
		7	7	15	7	5	10	7	11
2	Russet Burbank	66	66	4	32	88	83	68	7
		14	14	5	6	9	15	10	7
3	Russet Norkotah	64	64	5	-	-	-	-	-
		14	14	4	-	-	-	-	-
4	Shepody	15	15	18	-	-	-	-	-
		3	3	18	-	-	-	-	-
5	A0008-1TE	38	38	11	37	75	58	57	9
		8	8	14	9	11	10	10	8
6	A96814-65LB	38	38	12	40	74	56	57	10
		9	9	10	10	8	9	9	10
7	A97066-42LB	78	78	2	31	53	49	44	13
		21	21	1	7	5	9	7	12
8	A98345-1	33	33	15	16	37	60	38	16
		6	6	17	5	3	8	5	16
9	A99073-1	29	29	17	13	34	21	23	17
		8	8	11	4	6	4	5	17
10	AO96305-3	37	37	13	26	56	44	42	14
		8	8	13	5	8	8	7	13
11	AO96365-2	54	54	8	47	127	116	97	2
		11	11	8	9	10	20	13	4
12	PA00N10-5	-	-	-	19	69	112	67	8
		-	-	-	3	6	19	9	9
13	PA00N14-2	46	46	9	71	94	80	82	3
		8	8	12	14	13	14	14	3
14	PA00N15-2	36	36	14	20	60	59	46	11
		6	6	16	4	6	9	6	14
15	PA98NM38-1	84	84	1	28	158	140	109	1
		20	20	2	6	22	30	19	1
16	PA98NM39-1	41	41	10	25	57	38	40	15
		9	9	9	5	6	7	6	15
17	PA99N12-1	56	56	7	44	105	90	80	5
		12	12	6	9	9	16	12	5
18	PA99N2-1	57	57	6	28	77	110	72	6
		12	12	7	5	7	19	10	6
19	PA99N82-4	67	67	3	51	94	98	81	4
		15	15	3	12	9	20	14	2
Location Means		48	48		33	77	75	62	
LSD (.05)		11	11		7	8	13	10	31

TABLE 7: 2007 Tri-State Potato Variety Trial - SPECIFIC GRAVITY - EARLY AND LATE HARVEST

No. Clone	Specific Gravity - Early Harvest		Specific Gravity - Late Harvest				
	EWA	Rank	ID	OR	LWA	Entry Mean	Rank
1 Ranger Russet	1.079	6	1.085	1.082	1.087	1.085	10
2 Russet Burbank	1.082	4	1.074	1.078	1.083	1.078	16
3 Russet Norkotah	1.074	13	.	.	.	-	-
4 Shepody	1.079	7	.	.	.	-	-
5 A0008-1TE	1.073	17	1.079	1.071	1.086	1.079	15
6 A96814-65LB	1.086	1	1.105	1.100	1.105	1.103	1
7 A97066-42LB	1.078	9	1.100	1.100	1.103	1.101	2
8 A98345-1	1.083	3	1.088	1.086	1.096	1.090	5
9 A99073-1	1.073	16	1.076	1.072	1.076	1.075	17
10 AO96305-3	1.080	5	1.089	1.082	1.094	1.088	7
11 AO96365-2	1.076	12	1.085	1.077	1.091	1.084	13
12 PA00N10-5	-	-	1.086	1.083	1.096	1.088	6
13 PA00N14-2	1.084	2	1.093	1.073	1.092	1.086	8
14 PA00N15-2	1.074	14	1.083	1.074	1.086	1.081	14
15 PA98NM38-1	1.079	8	1.094	1.087	1.097	1.093	3
16 PA98NM39-1	1.076	11	1.083	1.083	1.087	1.084	12
17 PA99N12-1	1.078	10	1.090	1.089	1.097	1.092	4
18 PA99N2-1	1.074	15	1.084	1.081	1.090	1.085	9
19 PA99N82-4	1.073	18	1.085	1.078	1.090	1.084	11
Location Means	1.078		1.087	1.082	1.092	1.087	
LSD (0.5)						0.005	

TABLE 8: 2007 Tri-State Potato Variety Trial - AVERAGE TUBER SIZE, AND TUBER SHAPE

No. Clone	Average Tuber Size (oz)					Tuber Shape (Length/Width Ratio)				
	WA E	ID L	OR L	WA L	Entry Late only	WA E	ID L	OR L	WA L	Entry Means
1 Ranger Russet	7.3	7.7	7.7	7.2	7.5	1.79	2.30	1.92	1.65	1.91
2 Russet Burbank	6.1	8.9	8.9	5.7	7.8	1.89	2.52	1.83	1.35	1.90
3 Russet Norkotah	5.8	.	.	.	-	1.83	.	.	.	1.83
4 Shepody	9.6	.	.	.	-	1.82	.	.	.	1.82
5 A0008-1TE	7.4	6.6	6.6	6.7	6.6	1.78	1.94	1.83	1.90	1.86
6 A96814-65LB	7.1	6.6	6.6	7.6	6.9	1.58	1.65	1.47	1.41	1.53
7 A97066-42LB	5.0	8.0	8.0	7.0	7.7	1.58	1.56	1.60	1.80	1.64
8 A98345-1	7.9	9.3	9.3	7.9	8.8	1.41	1.99	1.64	1.49	1.63
9 A99073-1	8.2	9.5	9.5	7.9	9.0	1.48	1.66	1.37	1.61	1.53
10 AO96305-3	7.1	7.7	7.7	6.6	7.3	2.00	2.51	2.05	1.56	2.03
11 AO96365-2	6.2	7.0	7.0	5.4	6.5	1.54	1.75	1.83	1.87	1.75
12 PA00N10-5	-	10.9	10.9	5.4	9.1	.	1.61	1.61	1.51	1.58
13 PA00N14-2	6.3	5.7	5.7	5.4	5.6	2.00	2.21	1.96	1.38	1.89
14 PA00N15-2	9.1	10.4	10.4	7.6	9.5	1.76	2.12	1.79	1.72	1.85
15 PA98NM38-1	5.1	8.1	8.1	4.5	6.9	1.82	1.77	1.64	1.59	1.70
16 PA98NM39-1	6.9	8.2	8.2	6.5	7.6	1.57	2.02	1.44	1.58	1.65
17 PA99N12-1	6.2	6.6	6.6	5.8	6.3	1.76	1.70	1.52	1.78	1.69
18 PA99N2-1	6.5	8.5	8.5	5.4	7.5	1.54	1.45	1.37	1.77	1.53
19 PA99N82-4	6.0	6.6	6.6	5.2	6.1	1.31	1.72	1.39	1.44	1.46
Location Means	6.9	8.0	8.0	6.3	7.5	1.69	1.91	1.66	1.61	1.72
LSD (0.5)					1.6					NS

TABLE 9: 2007 Tri-State Potato Variety Trial - 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	4.8	4.7	5.0	5.0	4.8	4.5	3.2	3.0	4.7
2 Russet Burbank	3.0	2.9	2.0	3.3	4.8	4.3	2.7	2.5	4.9
3 Russet Norkotah	5.0	-	5.0	-	4.8	-	.	3.8	-
4 Shepody	5.0	-	5.0	-	4.5	-	.	2.0	-
5 A0008-1TE	4.0	3.8	5.0	5.0	3.0	3.2	3.2	4.0	5.0
6 A96814-65LB	5.0	4.7	5.0	5.0	4.8	4.2	3.3	2.3	5.0
7 A97066-42LB	5.0	5.0	4.5	4.8	4.8	3.8	2.9	2.0	4.8
8 A98345-1	5.0	4.9	5.0	4.9	3.0	3.2	2.6	2.0	4.7
9 A99073-1	2.0	3.8	5.0	4.8	2.0	3.4	2.7	1.5	4.8
10 AO96305-3	2.8	3.9	5.0	5.0	4.0	4.2	3.1	2.5	4.4
11 AO96365-2	5.0	4.6	5.0	4.9	4.5	4.5	3.5	3.5	4.6
12 PA00N10-5	.	4.0	.	4.2	.	3.2	2.4	.	4.6
13 PA00N14-2	5.0	5.0	5.0	5.0	4.0	3.3	3.6	3.5	4.8
14 PA00N15-2	4.8	3.3	3.8	4.7	4.8	3.7	2.5	3.0	4.7
15 PA98NM38-1	5.0	4.8	5.0	4.5	4.8	3.3	2.2	2.3	5.0
16 PA98NM39-1	3.5	3.1	4.8	4.7	3.0	2.3	2.5	1.0	4.8
17 PA99N12-1	4.8	4.8	5.0	4.9	2.5	2.7	2.3	3.3	4.7
18 PA99N2-1	4.8	4.8	5.0	4.7	3.0	2.4	2.1	3.8	4.5
19 PA99N82-4	1.8	3.2	5.0	5.0	1.5	2.7	2.5	2.3	4.7
LSD (.05)		1.5		NS					NS

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 10: 2007 Tri-State Potato Variety Trial - INTERNAL DEFECTS - HOLLOW HEART PLUS 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/ Vascular Discoloration		Blackspot Bruise			
		Early	Late	Early	Late	Early	Late	Washington ¹		OR ²	AB ³
								Early	Late		
1	Ranger Russet	0.0	0.0	2.5	1.3	n/a	3.5	3.0	1.0	18.0	2.2
2	Russet Burbank	15.0	16.3	0.0	1.3	n/a	0.0	3.0	2.5	14.0	3.3
3	Russet Norkotah	0.0	-	0.0	-	n/a	-	4.0	.	.	.
4	Shepody	0.0	-	0.0	-	n/a	-	3.3	.	.	.
5	A0008-1TE	0.0	6.0	2.5	0.0	n/a	1.5	4.0	3.0	4.0	2.8
6	A96814-65LB	0.0	10.0	0.0	0.3	n/a	1.0	2.5	3.5	23.0	2.5
7	A97066-42LB	0.0	1.3	0.0	1.0	n/a	2.0	4.8	2.5	8.0	1.6
8	A98345-1	0.0	2.7	0.0	1.7	n/a	5.5	3.3	1.5	17.0	1.9
9	A99073-1	0.0	2.0	0.0	0.7	n/a	0.5	4.3	3.0	5.0	2.9
10	AO96305-3	0.0	1.7	0.0	0.3	n/a	5.5	3.8	1.8	5.0	3.2
11	AO96365-2	0.0	0.0	2.5	0.3	n/a	1.5	3.8	2.5	7.0	3.0
12	PA00N10-5	-	33.2	.	0.0	n/a	0.0	.	3.0	2.0	3.8
13	PA00N14-2	0.0	1.0	0.0	0.3	n/a	0.5	4.0	2.5	2.0	2.3
14	PA00N15-2	0.0	3.3	2.5	1.3	n/a	0.0	3.3	3.5	0.0	3.1
15	PA98NM38-1	0.0	2.7	0.0	0.0	n/a	1.5	4.0	1.8	5.0	3.9
16	PA98NM39-1	0.0	2.0	2.5	1.0	n/a	0.0	4.0	1.5	11.0	3.2
17	PA99N12-1	0.0	6.9	2.5	0.0	n/a	4.0	4.0	3.5	7.0	4.3
18	PA99N2-1	0.0	3.7	0.0	1.7	n/a	0.5	4.0	3.0	11.0	2.9
19	PA99N82-4	0.0	18.3	0.0	0.0	n/a	1.0	4.8	2.5	11.0	3.2
Means		0.8	6.5	0.8	0.7		1.7	3.8	2.5	8.8	2.9
LSD (.05)			NS		NS		NS				

¹ Score 1-5, with 1=severe, 5=none.

² Hermiston Oregon is percentage of tuber showing blackspot bruising.

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

TABLE 11: 2007 Tri-State Potato Variety Trial - FRENCH FRY COLOR (00-4.0(darkest)), AND PERCENT SUGAR ENDS

No. Clone	Fry 45°						Fry 40°			% Sugar Ends		
	ID ¹	HRM ²	LWA ³	3 state avg.	Mean	Rank	ID ¹	LWA ³	Mean	ID	HRM	Entry Mean
1 Ranger Russet	0.6	1.4	1.0	1.3	1.0	11	3.1	2.0	2.6	59	38	49
2 Russet Burbank	0.7	2.0	1.0	2.0	1.2	15	3.9	2.0	3.0	72	83	78
3 Russet Norkotah	.	.	.	.	-	-	.	-	.	.	.	-
4 Shepody	.	.	.	.	-	-	.	-	.	.	.	-
5 A0008-1TE	0.4	1.7	0.0	1.0	0.7	7	4.0	2.0	3.0	46	23	35
6 A96814-65LB	0.2	0.8	0.0	0.0	0.3	3	1.8	0.0	0.9	13	10	12
7 A97066-42LB	0.4	1.7	1.0	0.7	1.0	12	3.4	1.0	2.2	9	30	20
8 A98345-1	0.5	1.0	0.0	0.0	0.5	5	2.3	0.0	1.2	40	13	27
9 A99073-1	0.8	1.1	0.0	0.0	0.6	6	3.7	2.0	2.9	17	0	9
10 AO96305-3	0.2	0.1	0.0	0.0	0.1	1	1.8	0.0	0.9	48	5	27
11 AO96365-2	0.6	1.7	0.0	0.7	0.8	8	3.0	1.0	2.0	21	28	25
12 PA00N10-5	0.7	1.4	-	-	1.1	13	3.0	-	3.0	42	23	33
13 PA00N14-2	0.5	1.4	1.0	1.0	1.0	10	3.7	2.0	2.9	13	20	17
14 PA00N15-2	1.2	2.0	2.0	2.0	1.7	16	4.0	2.0	3.0	21	33	27
15 PA98NM38-1	0.7	1.5	1.0	1.3	1.1	14	3.6	3.0	3.3	63	33	48
16 PA98NM39-1	1.9	2.0	2.0	2.0	2.0	17	4.0	3.0	3.5	25	35	30
17 PA99N12-1	0.3	0.6	0.0	0.3	0.3	2	1.8	0.0	0.9	44	8	26
18 PA99N2-1	0.4	1.3	1.0	1.0	0.9	9	3.7	1.0	2.4	8	8	8
19 PA99N82-4	0.5	0.9	0.0	0.3	0.5	4	2.8	0.0	1.4	46	13	30
Location Means	0.6	1.3	0.6	0.9	0.9		3.2	1.3	2.3	35	24	29

¹ Samples held for 1 week cool down period - 7 weeks at storage temperature.

² Samples held for 1 week cool down period - 7 weeks at storage temperature.

³ Samples held for 54 days at 44 or 40°F - For complete postharvest results see <http://www.potatoes.wsu.edu/>

TABLE 12: 2007 Tri-State Potato Variety Trial - DISEASE EVALUATIONS, METRIBUZIN REACTION

No. Clone	Vert. Wilt/ Early Dying		Early Blight	Late Blight			Common Scab AB		% Net Necrosis/ vascular discoloration		% Virus Infection ⁵		Corky Ringspot	Root- knot	Erwinia Soft Rot	Metr. Reaction
	AB	HERM		CORV	Foliar		CORV	%Serious Defect ⁴	Serious		PVY	PLRV					PROSSER^{6} (%)	AB	0-5^{7}	AB^{8}
	0-9 ¹	0-9 ¹	1-9 ¹		AUDPC ²	% ³			Incidence	defect ⁴			HRM			
							(0-5)		AB	AB						
1 Ranger Russet	5.2	6.3	5.2	9.0	1587	82.5	3.0	66	81.6	2.8	80	80	75.0	S	1.4	--
2 Russet Burbank	6.7	8.3	6.5	8.5	1557	15.0	0.7	0	62.7	0.0	100	100	42.5	S	3.3	R
3 Russet Norkotah	9.0	--	--	9.0	1600	62.5	3.0	17	47.9	0.0	--	--	28.0	S	0.7	--
4 Shepody	6.5	--	7.0	--	--	--	4.0	62	93.5	1.6	--	--	40.0	S	3.1	S
5 A0008-1TE	8.5	9.0	7.7	9.0	1600	45.0	0.0	0	39.5	0.0	--	--	5.0	S	2.3	R
6 A96814-65LB	2.8	7.1	5.0	--	--	--	3.0	35	57.1	3.8	10	55	55.0	S	1.3	R
7 A97066-42LB	2.0	5.5	5.2	4.0	251	0.0	3.0	30	84.3	8.0	20	100	60.0	S	1.5	R
8 A98345-1	2.3	2.3	3.7	--	--	--	3.7	67	53.8	2.2	40	85	52.5	S	1.7	MS
9 A99073-1	7.7	8.4	7.0	--	--	--	0.3	0	47.6	0.0	65	60	37.5	S	3.1	R
10 AO96305-3	5.7	7.8	7.0	8.8	1579	20.0	4.7	81	62.8	2.9	100	100	47.5	S	2.0	R
11 AO96365-2	2.8	3.8	4.0	9.0	1587	45.0	3.3	49	41.3	2.5	65	100	60.0	S	1.2	R
12 PA00N10-5	1.5	2.5	2.8	8.0	1530	12.1	3.0	17	30.7	0.0	40	93	0.0	S	2.7	R
13 PA00N14-2	7.8	8.1	8.2	9.0	1600	22.5	3.7	18	23.5	0.0	15	20	0.0	S	2.1	R
14 PA00N15-2	3.0	5.3	6.0	8.5	1549	12.5	2.3	9	55.5	13.2	90	80	0.0	S	2.3	R
15 PA98NM38-1	3.7	5.5	3.8	8.8	1569	2.5	1.7	7	24.4	0.0	70	90	87.5	S	2.2	R
16 PA98NM39-1	5.5	4.8	6.5	8.8	1559	38.9	2.3	4	56.8	0.0	95	100	57.5	S	1.7	R
17 PA99N12-1	3.5	3.8	6.0	8.8	1569	76.4	2.7	40	61.1	0.0	95	85	0.0	S	1.1	R
18 PA99N2-1	4.0	5.4	5.0	9.0	1572	30.0	2.7	5	37.7	0.0	80	100	0.0	S	3.1	MR
19 PA99N82-4	4.8	6.1	6.3	8.5	1573	52.5	2.3	2	38.3	6.0	100	60	0.0	R	2.1	MS
MEANS	4.9	5.9	5.7	8.4	1486	34.5	2.6	27	52.6	2.3	66.6	81.8	34.1		2.0	
LSD (.05)	2.0	1.5	2.0	0.5	90	24.6	1.4	19	27.0	6.0			--		2.2	

1 Evaluations by Whitworth, Hane, and Yilma; 0 to 9, Where 0 or 1=No symptoms to a 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

2 Evaluations made at Corvallis, Oregon by Solomon Yilma; AUDPC=area under the disease progress curve. Higher number indicates more disease over time.

3 Evaluations made at Corvallis, Oregon by Solomon Yilma; % of tubers examined with any late blight symptoms

4 Evaluations made at Aberdeen, Idaho by Jonathan Whitworth; Percent serious defect = number of tubers with a 3 rating (0-5 scale) or higher, divided by the total number of tubers examined.

5 Evaluations made at Hermiston, Oregon by Dan Hane; scale as indicated, highest number being most severe.

% Virus are from ELISA test of sprouts from tubers grown under high virus pressure

6 Evaluations made at Prosser, Washington by Chuck Brown: S=susceptible, R= resistant

7 Evaluations made at Aberdeen, Idaho by Jonathan Whitworth; scale as indicated with highest number being most severe.

8 Metribuzin Reaction measured at Aberdeen, ID

VR=very resistant, R=Resistant, MR=Moderately resistant, MS=moderately susceptible, S=susceptible VS=very susceptible.

TABLE 13: 2007 Tri-State Potato Variety Trial - SOLIDS, DEXTROSE, SUCROSE, PROTEIN, VITAMIN C, AND GLYCOALKALOIDS - ABERDEEN

Clone	Solids Oven Dry (%)	Sugars		Protein (%DWB)	Vitamin C (mg/100g FWB)	Glycoalkaloids (mg/100gFWB)
		Dextrose (%FWB)	Sucrose (%FWB)			
1 Ranger Russet	21.1	0.09	0.16	5.6	29.8	3.1
2 Russet Burbank	18.5	0.13	0.13	5.0	21.4	3.0
3 Russet Norkotah	.	.	.	.	.	.
4 Shepody	.	.	.	.	.	.
5 A0008-1TE	20.7	0.07	0.14	6.6	27.8	1.6
6 A96814-65LB	26.3	0.01	0.18	6.9	18.0	5.9
7 A97066-42LB	24.9	0.03	0.24	5.5	19.4	4.9
8 A98345-1	21.4	0.06	0.21	5.8	20.6	1.4
9 A99073-1	19.9	0.08	0.15	6.2	24.2	1.5
10 AO96305-3	22.8	0.04	0.15	6.6	30.2	2.8
11 AO96365-2	21.3	0.06	0.13	5.9	24.7	1.2
12 PA00N10-5	21.5	0.06	0.24	5.7	20.1	0.5
13 PA00N14-2	22.7	0.05	0.17	6.6	21.8	3.0
14 PA00N15-2	21.1	0.12	0.20	6.2	21.4	3.5
15 PA98NM38-1	23.1	0.06	0.22	6.2	17.5	3.2
16 PA98NM39-1	21.3	0.13	0.22	5.4	26.1	3.7
17 PA99N12-1	22.0	0.04	0.22	7.3	24.2	1.1
18 PA99N2-1	21.5	0.04	0.16	5.6	23.0	1.6
19 PA99N82-4	22.4	0.06	0.18	6.4	26.4	1.7
Means	19.6	0.06	0.16	5.4	20.9	2.3

FWB = fresh weight basis DWB = dry weight basis

Glycoalkaloids: The 2007 Lenape check from Aberdeen was 56.6 mg/100g

TABLE 14: 2007 Tri-State Potato Variety Trial - MERIT SCORES (1-5(best))

No.	Clone	Process						Postharvest Merit * 3 State Avg.	Fresh					
		Early WA	ID	OR	WA	MEANS	RANK		Early WA	ID	OR	WA	MEANS	RANK
1	Ranger Russet	3.2	2.5	3.0	3.0	3.0	6	3.5	3.4	3.2	2.0	3.6	2.9	4
2	Russet Burbank	2.7	1.7	1.0	1.7	1.5	17	2.6	1.3	2.2	1.0	2.5	1.9	13
3	Russet Norkotah	2.4	.	.	.	-	-	-	2.6	.	.	.	-	-
4	Shepody	3.9	.	.	.	-	-	-	2.8	.	.	.	-	-
5	A0008-1TE	2.5	3.5	3.5	3.7	3.6	3	3.5	3.5	3.0	4.5	3.6	3.7	1
6	A96814-65LB	3.7	2.5	2.5	4.1	3.0	5	4.0	2.1	3.4	1.0	3.0	2.5	8
7	A97066-42LB	2.4	2.8	3.5	3.3	3.2	4	3.7	1.5	3.8	2.0	2.6	2.8	5
8	A98345-1	2.7	2.0	2.0	3.9	2.6	10	4.5	3.2	2.8	1.0	3.2	2.3	9
9	A99073-1	1.2	2.3	2.0	1.2	1.8	15	3.6	0.7	2.6	1.5	2.4	2.2	12
10	AO96305-3	3.1	3.3	3.5	4.1	3.6	2	4.4	2.3	3.8	2.5	3.9	3.4	2
11	AO96365-2	2.9	4.0	3.5	3.7	3.7	1	3.6	3.5	3.6	3.0	3.4	3.3	3
12	PA00N10-5	.	3.0	1.0	1.6	1.9	14	.	.	3.6	1.0	2.1	2.2	10
13	PA00N14-2	4.9	3.8	2.0	3.0	2.9	7	3.5	4.9	3.8	1.5	2.9	2.7	6
14	PA00N15-2	3.0	1.8	2.0	3.2	2.3	11	2.9	3.5	2.0	1.5	2.2	1.9	14
15	PA98NM38-1	2.8	3.0	1.5	1.2	1.9	13	3.5	1.4	2.6	1.0	0.6	1.4	17
16	PA98NM39-1	1.3	2.8	2.0	1.2	2.0	12	2.4	1.4	2.0	1.0	1.4	1.5	16
17	PA99N12-1	2.9	2.5	2.0	3.4	2.6	9	3.9	2.8	3.5	1.0	2.2	2.2	11
18	PA99N2-1	2.8	3.0	2.0	3.2	2.7	8	3.7	3.3	3.8	1.0	2.9	2.6	7
19	PA99N82-4	0.8	2.3	2.0	1.2	1.8	15	4.0	1.5	3.0	1.0	0.6	1.5	15
Location Means		2.7	2.8	2.3	2.8	2.6		3.6	2.5	3.1	1.6	2.5	2.4	

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

TABLE 16: 2006 Tri-State Potato Variety Trial - LATE HARVEST TRIAL COMMENTS AND INFORMATION BY STATE

Entry	Clone	Comments from Hermiston	Tubers/ plant	Comments from Idaho
1	Ranger Russet	NICE RANGER, LARGE	7.8	smaller than typical
2	Russet Burbank	RB	9.4	jelly ends
5	A0008-1TE	NICE SHAPE	7.4	nice shape, small
6	A96814-65LB	ROUND TO LOND, SOME BLOCKY, ATT STEMS, LITTLE EH	8.8	oval, flacky russ, skin checking
7	A97066-42LB	SHORT/BLOCKY LITTLE FLAT	8.9	lt russ, blocky, patchy, some stolons
8	A98345-1	BIG, TOO ROUND	7.9	skinned, lt russ, deeper eyes, few, patchy
9	A99073-1	BLOCKY ROUND, TOO ROUND	5.2	big, blocky, patchy, few
10	AO96305-3	NICE SHAPE, TOO THIN, FEW BN W/GC, LITTLE SR, NICE S/C/R	8.4	lt russ, slender, jelly ends
11	AO96365-2	NOT BAD, OK, SOME BEGC	13.1	nice, blocky, deeper eyes, few stolons
12	PA00N10-5	BEGC, PEARS, SR, LOTS BN W/GC	10.8	lt russ, blocky shattered, misshaped
13	PA00N14-2	THIN, TOO SMALL, SHAPE OK	9.3	thin, small, lt russ
14	PA00N15-2	GOOD, OK, LARGE, NICE SHAPE, BEGC, FEW BN W/GC	8.5	GC, curved, lumps, patchy
15	PA98NM38-1	FLAKEY RUSSET, PEAR, POINTY, POOR, ROUGH, DISCARD	10.9	brow,lumps, short, big eyes
16	PA98NM39-1	LOTS VARI SHAPE, TOO ROUND, SHATTER BRUISE LONG-ROUND	8.9	deep eyes, lt russ, shattered, GC
17	PA99N12-1	BRUISE	11.2	lumps, misshaped, smooth skin
18	PA99N2-1	TOO ROUND, MOSTLY ROUND, VARI RUSSET,	10.9	roundish, bulging eyes
19	PA99N82-4	BEGC, TOO ROUND	10.2	hvy russ, shattered, misshaped, rounder tubers

Entry	Clone	Comments from Washington Late Trial	Tubers/ plant	Carton Yield			Shape y
				CWT/A 100 to 50 Count	Process Value \$/A	Fresh Mkt Value \$/A	
1	Ranger Russet	Mostly typy, shape a bit irregular.	7.2	307	2951	4238	3
2	Russet Burbank	Mostly typy, some cracks and knobs.	8.1	221	2135	3426	2
5	A0008-1TE	Mostly typy, some cracks, spotty russetting on some.	7.6	289	2767	4149	3
6	A96814-65LB	Spotty, ugly skin, process only, bit round.	7.1	322	2594	4335	3
7	A97066-42LB	Spotty, ugly skin, process only, smooth shape.	7.2	358	2520	4627	3
8	A98345-1	Shape a bit irreg. Spotty, bad skin, plump, some knobs on end.	8.1	413	3452	5243	3
9	A99073-1	Shape a bit irreg. Plump, some cracks.	5.3	262	1767	3377	3
10	AO96305-3	Typy, long, some cracks, french fryers dream.	7.2	278	2517	4077	4
11	AO96365-2	Small, mostly typy, bit round, too small?	9.4	254	2594	3776	4
12	PA00N10-5	Too round for processing, baseballs.	9.3	265	2331	3899	3
13	PA00N14-2	Small, skinny, typy, long, french fryers dream.	9.3	184	2580	3560	4
14	PA00N15-2	Bad skin cracks, bit rough, discard?	7.4	361	3150	4654	2
15	PA98NM38-1	Small pears, discard.	9.0	117	1470	2170	2
16	PA98NM39-1	Lot of cracks - discard. Rough shape.	7.3	275	2438	3785	2
17	PA99N12-1	Pear shaped, round, discard.	8.3	251	2293	3652	2
18	PA99N2-1	Small, round, mostly typy, shatter bruise.	9.4	218	2530	3544	4
19	PA99N82-4	Severe G. cracks - discard. Small, round.	8.2	165	1912	2599	2

TABLE 17: 2007 Tri-State Potato Variety Trial - WASHINGTON STATE POSTHARVEST EVALUATIONS

2007 Late Harvest - Tri-State Postharvest Evaluations

Entry	Clone	Tuber Shape (L to W ratio)				% BlackSpot Bruise Controlled Bruise Study				3 State Avg. 0-4(darkest) Harvest		
		WA	ID	OR	means	WA	ID	OR	Avg.	Fry	44	40
1	Ranger Russet	1.79	2.59	1.96	2.11	50.0	27.1	56.3	44.4	0.0	1.3	2.3
2	Russet Burbank	1.80	2.49	2.07	2.12	50.0	6.3	35.4	30.6	1.0	2.0	2.7
5	A0008-1TE	1.70	1.90	1.78	1.80	25.0	6.3	8.3	13.2	0.0	1.0	2.7
6	A96814-65LB	1.49	1.67	1.45	1.53	62.5	54.2	62.5	59.7	0.0	0.0	0.3
7	A97066-42LB	1.49	1.59	1.55	1.54	41.7	35.4	41.7	39.6	0.0	0.7	1.3
8	A98345-1	1.39	1.88	1.44	1.57	75.0	20.8	77.1	57.6	0.0	0.0	0.3
9	A99073-1	1.48	1.53	1.31	1.44	10.4	20.8	8.3	13.2	0.0	0.0	1.7
10	AO96305-3	1.89	2.60	2.14	2.21	50.0	10.4	16.7	25.7	0.0	0.0	0.0
11	AO96365-2	1.51	1.97	1.74	1.74	39.6	29.2	39.6	36.1	0.0	0.7	1.7
13	PA00N14-2	2.03	2.39	2.12	2.18	39.6	45.8	33.3	39.6	0.0	1.0	2.3
14	PA00N15-2	1.74	2.20	1.78	1.91	22.9	10.4	14.6	16.0	0.3	2.0	3.0
15	PA98NM38-1	1.60	1.89	1.72	1.74	39.6	10.4	6.3	18.8	0.0	1.3	2.0
16	PA98NM39-1	1.49	1.98	1.55	1.67	66.7	60.4	60.4	62.5	0.3	2.0	2.7
17	PA99N12-1	1.49	1.60	1.55	1.55	52.1	4.2	20.8	25.7	0.0	0.3	1.0
18	PA99N2-1	1.38	1.42	1.29	1.37	41.7	31.3	60.4	44.4	0.0	1.0	1.3
19	PA99N82-4	1.26	1.72	1.26	1.41	20.8	16.7	18.8	18.8	0.0	0.3	0.7

Complete postharvest evaluations and procedures are found at: www.potatoes.wsu.edu

TABLE 18: 2007 Tri-State Early Harvest Potato Variety Trial - WASHINGTON STATE POSTHARVEST EVALUATIONS 18

Entry	Clone	Comments from Washington Early Trial	Stem/	40 Day	Tubers	Carton Yield	Process	Fresh Mkt	Visual	Shape
			plant	Stand %	per plant	CWT/A	Value \$/A	Value \$/A	appearance	Uniformity
1	Ranger Russet	Deep eyes, shape non-uniform, somewhat typy.	1.7	98	5.7	295	1882	4030	3.0	2.8
2	Russet Burbank	Non-uniform shape, smaller, knobs & cracks.	1.3	93	6.8	216	1573	3148	2.5	2.5
3	Russet Norkotah	Mostly typy, few pointed ones, dark skin.	2.2	97	6.7	204	1613	3147	3.8	3.8
4	Shepody	Surface bumpy, irreg., large, white, flat.	1.5	70	4.5	332	2043	3966	2.0	2.5
5	A0008-1TE	Mostly typy, nice skin, some cracks.	1.6	55	5.7	331	1878	4094	4.0	4.0
6	A96814-65LB	Non-uniform shape, with some typy tubers, spotty russeting.	1.6	68	5.3	231	1685	3253	2.3	3.5
7	A97066-42LB	Bit round, small, sticky stolons.	1.2	30	6.6	133	1265	2232	2.0	3.5
8	A98345-1	Round, plump; ugly, light skin.	2.1	95	6.1	394	2218	4974	2.0	3.0
9	A99073-1	Very rough shape, ugly, cracks, folded ends, discard.	1.3	60	3.8	155	1156	1951	1.5	1.5
10	AO96305-3	Folded ends, long and skinny, bad skin.	1.6	43	5.7	249	1689	3479	2.5	2.3
11	AO96365-2	Typy, nice skin, round.	1.6	90	7.0	265	1905	3899	3.5	3.5
12	PA00N10-5	.	.	.	.	.	.	.	.	.
13	PA00N14-2	Mostly typy, long, skinny, light russet.	1.4	60	7.7	284	2179	4392	3.5	3.8
14	PA00N15-2	Large, mostly typy, shape non-uniform, knobs, light skin.	1.4	47	5.4	336	2183	4192	3.0	2.5
15	PA98NM38-1	Small, ugly, deep eyes, light russet, sticky stolons.	1.9	40	7.3	150	1459	2481	2.3	2.0
16	PA98NM39-1	Bumpy surface, bit round, scab-type cracking, discard.	1.8	63	5.8	251	1683	3439	1.0	2.3
17	PA99N12-1	Typy, light skin, nice, some small tubers.	1.8	52	6.6	240	1735	3434	3.3	3.8
18	PA99N2-1	Mostly typy, bit round, small, light russet.	1.9	28	6.7	254	1846	3526	3.8	3.3
19	PA99N82-4	Very round, lot of cracks, small, discard.	1.8	68	6.5	186	1445	2694	2.3	2.8

Complete postharvest evaluations and procedures are found at: www.potatoes.wsu.edu