

1998 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

California

Colorado

Idaho

New Mexico

Oregon

Texas

Washington

State Experiment Stations and
USDA-ARS Cooperating



1998 WESTERN REGIONAL POTATO VARIETY TRIAL REPORT

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TABLE 1: 1998 Western Regional Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

No.	Locations	Cooperators	Trial	Irri.	Fertilizer N-P-K-S(lb/A)	Hrvst Method	Dates			Days to Vine Kill	Days to Harvest
							Plant	Vine Kill	Hrvst		
1	Kern Co. California (KRN)	R. Voss, H. Phillips J. Nunez	Early	Sprink.	175-75-75+	Mach.	18-Feb		22-Jun		124
2	Tulelake California (TUL)	R. Voss, H. Phillips D. Kirby	Late	Sprink.	140-108-108	Mach.	21-May	18-Sep	5-Oct	120	137
3	San Luis Valley Colorado (SLV)	D. Holm	Late	Pivot	170-100	Mach.	15-May	28-Aug	29-Sep	105	137
4	Aberdeen Idaho (AB)	S. Love, D. Corsini, J. Pavsek	Late	Sprink.	220-160-40	Mach.	28-Apr	2-Sep	21-Sep	127	146
5	Kimberly Idaho (KIM)	S. Love, D. Corsini, J. Pavsek	Early Late	Sprink. Sprink.	150-0-50 150-0-50	Mach. Mach.	27-Apr 27-Apr	7-Aug 26-Sep	10-Aug 1-Oct	102 152	105 157
6	Clovis New Mexico (CLV)	R. D. Baker, W. Laing	Early	Furrow	119-17-0-22	Hand	13-Mar		3-Aug		143
7	Farmington New Mexico (FRM)	C. Owen	Late	Sprink.	240-104-120		24-Apr		15-Sep		144
8	Hermiston Oregon (HRM)	D. Hane, A. Mosley	Early Late	Pivot Pivot	390-215-255-60+	Mach. Mach.	25-Mar 15-Apr	3-Aug 21-Sep	13-Aug 5-Oct	131 159	141 173
9	Klamath Falls Oregon (KLM)	K. Rykbost, B. Charlton	Comb.	Sprink.	160-80-80	Mach.	8-Jun	19-Sep	7-Oct	103	121
10	Malheur Oregon (MAL)	C. Shock, A. Mosley, E. Eldrige	Late	Furrow	190	Hand	4-May	25-Sep	7-Oct	144	156
11	Springlake Texas (SPR)	J.C. Miller, Jr J. Koym, D. Schuering	Early	Pivot	380-30-30	Hand	24-Mar	30-Jul	9-Aug	128	138
12	Othello Washington (OTH)	R. Thornton, N. Fuller J. Rupp, G. Newberry	Early Late	Pivot Sprink.	288-200-225 393-320-430	Mach. Mach.	19-Mar 30-Apr		21-Jul 12-Oct		124 165

TABLE 2a: 1998 Western Regional Potato Variety Trial - PLOT INFORMATION, SOIL TYPE, FUNGICIDES, AND INSECTICIDES

	CA		CO	ID			NM		OR				TX	WA		
	KRN	TUL	SLV	AB	KIM		CLV	FRM	HRM		KLM	MAL	SPR	OTH		
	E	L	L	L	E	L	E	L	E	L	L	L	E	E	L	
Plot Information:																
Rows / Plot	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	
Length of Plot - Row (ft.)	20	20	25	20	20	20	20	15	23	23	22.5	25	18.75	20	20	
Hill Spacing(in.)	9	9	12	10	10	10	10	6	9	9	8.7	10	9	10	10	
Row Spacing (in.)	32	36	34	36	36	36	40	34	34	34	32	36	36	34	34	
Hills / Plot - Row	27	27	25	24	24	24	24	30	30	30	30	30	25	25	25	
Number of Reps	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
Soil Type:																
Tivoli Fine Sand													X			
Fine Sandy Loam								X			X					
Loamy Fine Sand									X	X						
Pullman Clay Loam							X									
Sandy Loam	X		X											X		
Silt Loam				X	X	X						X				X
Organic 8%		X														
Fungicides:																
Botran										X					X	
Bravo	X	X	X	X	X	X				X		X		X	X	
Champ			X													
Curzate			X							X						
GreenStar	X															
Mancozeb (Dithane)	X	X		X	X	X				X	X	X				X
Maxim													X			
Monitor	X															
Ridomil										X						
Supertin			X							X						
Tops 2.5							X				X					
Sulfur												X				
Insecticides:																
Admire				X												
Asana										X						X
Ambush										X						
Comite										X						
Curzate				X												
Dimethoate										X						
Disyston											X					
Furadan										X						
M Trac					X	X										
Monitor			X	X						X						
Nemasol															X	
Phorate										X						
Pounce		X			X	X										
Sevin					X	X										
Temik					X	X				X						
Thimet												X				
Thiodan										X						
Thiolux										X						

TABLE 3: 1998 Western Regional Potato Variety Trial - CLONE, ENTERED BY: SEED SOURCE, TUBER DESCRIPTION, USE, VINE/FLOWER DESCRIPTIONS, AND YEARS IN TRIAL

No.	Clone	Entered by	Seed Source*	Tuber Description	Use	Flower/Vine Description (Aberdeen)			Years in Trial	Disposition 1999
						Flower Color	Vine Size	Maturity		
1	RUSSET BURBANK	Ck	OR	Long Med Russet	Dual	White	Med-large	Med-late	-	E/L
2	RANGER RUSSET	Ck	OR	Long Med Russet	Dual	Red-purple	Medium	Med-late	-	E/L
3	RUSSET NORKOTAH	Ck	OR	Long Med Russet	Fresh	White	Small	Early	-	E/L
4	SHEPODY	Ck	OR	Oblong-Lng White	Proc	Red-purple	Medium	Medium	-	E
5	AVALANCHE	Colorado	CO	Oval White	Fresh	Red-purple	Medium	Medium	1	E/L
6	A88338-1	Idaho	OR	Lng-Obl Med-Hvy Rus	Dual	Red-purple	Medium	Medium	1	E/L
7	AC87084-3	Colorado	CO, OR	Oblong Med Russet	Dual	Purple	Large	Med-late	2	E/L
8	AC88042-1	Colorado	CO	Oblong Light Russet	Dual	Red-purple	Small	Medium	1	E/L
9	AC88165-3	Colorado	CO	Long Light Russet	Dual	Red-purple	Medium	Med-late	1	E/L
10	AO87277-6	Oregon	OR	Long Med Russet	Dual	Red-purple	Medium	Med-late	2	E/L
11	AO89128-4	Oregon	OR	Long Med Russet	Dual	White	Large	Med-late	1	E/L
12	CORN-3	Colorado	OR	Long Med Russet	Fresh	White	Small	Early	2	E/L
13	CORN-8	Colorado	OR	Long Med Russet	Fresh	White	Small	Early	2	E/L
14	NDD840-1	California	CA	Lng-Blky Med-Hvy Rus	Dual	Pink	Med-large	Med-late	2	L
15	TX1385-12RU	Texas	OR	Oblong Light Russet	Dual	White	Med-large	Medium	3	E/L
16	TXNS112	Texas	OR	Long Med Russet	Fresh	White	Small	Early	3	E/L
17	TXNS223	Texas	OR	Long Med Russet	Fresh	White	Small	Early	2	E/L
18	TXNS278	Texas	OR	Long Med Russet	Fresh	White	Small	Early	3	E/L

TABLE 4: 1998 Western Regional Potato Variety Trial - PERCENT STAND IN 40 DAYS AND 60 DAYS AND PERCENT DEAD AT VINE KILL

No . Clone	40 Days												60 Days												Percent Dead Vine		
	CA		ID			OR			TX	WA		Entry Mean	CA	CO	ID		OR		TX	WA		Entry Mean	TX	WA		Entry Mean	
	KRN	TUL	AB	KIM		HRM		KLM		SPR	OTH				E	L	KRN	SLV		AB	KIM			HRM			SPR
	E	L		L	E	L	E	L	L			E	L	E					L		E	L	E	L	E	L	
1 R. BURBANK	89	99	96	91	90	77	93	98	97	95	100	93	89	100	98	98	93	99	98	100	99	100	97	0	73	100	58
2 RANGER R.	94	96	98	99	92	86	95	97	97	79	95	93	94	99	99	99	94	100	99	93	99	99	97	0	55	96	50
3 R. NORKOTAH	96	99	96	95	94	94	97	98	96	102	100	97	96	98	96	98	97	99	99	96	100	100	98	25	99	100	75
4 SHEPODY	-	-	-	92	-	79	-	98	89	96	-	91	-	99	-	94	-	99	-	89	100	-	96	0	70	-	35
5 AVALANCHE	-	96	94	84	84	70	71	93	100	78	97	87	-	98	100	95	89	100	92	100	96	100	97	0	58	81	46
6 A88338-1	88	98	97	88	82	66	59	100	88	56	92	83	88	-	100	96	91	93	95	99	99	96	95	0	38	95	44
7 AC87084-3	75	96	96	84	84	48	72	96	93	54	95	81	75	98	98	90	96	99	98	93	100	97	94	0	48	100	49
8 AC88042-1	77	96	92	83	78	72	57	99	100	85	92	85	77	100	96	95	89	99	100	100	74	100	93	20	88	100	69
9 AC88165-3	90	93	97	89	91	93	79	99	100	94	98	93	90	99	100	98	95	99	100	100	100	100	98	0	60	100	53
10 AO87277-6	87	100	97	90	93	64	83	98	99	83	92	90	87	-	98	92	95	93	97	100	100	96	95	0	74	100	58
11 AO89128-4	92	93	93	84	77	56	76	99	93	63	100	84	92	-	96	90	89	99	99	93	99	100	95	0	73	100	58
12 CORN-3	77	94	88	81	77	78	68	96	84	61	93	82	77	100	97	88	92	98	100	93	97	96	94	0	71	99	57
13 CORN-8	78	96	74	69	60	66	79	99	92	68	83	79	84	97	90	85	78	98	98	99	98	99	93	3	89	99	64
14 NDD840-1	-	93	90	-	74	-	38	97	-	-	95	81	-	-	94	-	84	-	93	-	-	97	92	-	-	99	99
15 TX1385-12RU	79	96	90	79	88	61	75	98	80	68	93	82	83	97	91	93	100	85	95	80	100	97	92	0	88	99	62
16 TXNS112	80	94	82	84	64	85	88	100	97	81	96	86	86	100	92	95	83	97	98	97	100	99	95	17	89	100	68
17 TXNS223	75	98	78	81	74	87	82	98	96	68	93	85	85	99	98	94	86	98	98	100	99	95	95	17	94	100	70
18 TXNS278	78	91	92	78	72	82	83	98	92	67	75	83	84	99	95	91	92	98	97	100	99	85	94	17	90	100	69
Location Means	84	96	91	85	81	74	76	98	94	76	93	86	86	99	96	94	91	97	97	96	98	97	95	6	74	98	60

TABLE 5: 1998 Western Regional Potato Variety Trial - STEMS PER HILL, VINE SIZE, AND VINE MATURITY

No. Clone	Stems Per Hill									Vine Size (1-5=larger)								Vine Maturity (1-5=latest)									
	CO		ID		TX	WA		Entry	CA		CO	ID	OR	TX	WA		Entry	CA		CO	ID	OR	TX	WA		Entry	
	SLV	AB	KIM		SPR	OTH		Mean	KRN	TUL	SLV	AB	KLM	SPR	OTH		Mean	KRN	TUL	SLV	AB	KLM	SPR	OTH		Mean	
	L	L	E	L	E	E	L		E	L	L	L	L	E	E	L		E	L	L	L	L	E	E	L ¹		
1	R. BURBANK	3.0	1.9	2.4	2.4	1.8	2.1	2.4	2.3	3.5	4.0	3.5	3.8	5.0	3.5	3.5	4.0	3.9	3.3	3.8	3.8	3.0	3.3	3.2	2.3	1.0	3.2
2	RANGER R.	3.5	1.8	2.0	1.8	1.9	1.5	2.9	2.2	3.5	3.7	3.8	3.5	4.0	3.2	3.0	3.5	3.5	3.0	3.3	4.0	4.0	4.3	3.5	3.0	1.0	3.6
3	R. NORKOTAH	3.6	1.9	2.7	2.7	2.1	2.6	3.1	2.7	2.8	3.0	2.3	1.0	4.0	2.2	1.5	2.0	2.3	2.5	2.0	2.3	1.0	2.5	1.8	1.0	1.0	1.9
4	SHEPODY	3.6	-	2.4	-	1.9	2.2	-	2.5	-	-	3.5	-	3.8	3.0	3.0	-	3.3	-	-	3.0	-	3.0	3.5	2.3	-	2.9
5	AVALANCHE	3.1	2.6	3.2	2.8	2.3	2.5	2.3	2.7	-	3.7	4.5	3.3	4.3	3.7	4.5	4.5	4.1	-	4.0	4.0	3.3	4.0	3.7	3.0	1.8	3.7
6	A88338-1	-	1.7	1.9	1.8	1.5	1.4	1.7	1.7	3.3	4.0	-	4.0	2.8	2.8	4.5	4.5	3.7	4.8	3.8	-	4.8	4.8	3.5	4.0	1.0	4.3
7	AC87084-3	4.5	2.0	2.5	2.6	2.0	2.3	2.9	2.7	3.8	3.8	4.3	4.5	4.5	4.2	3.5	4.0	4.1	3.3	4.3	4.0	4.3	4.0	3.8	3.3	1.0	3.8
8	AC88042-1	3.7	2.8	3.0	3.0	1.8	2.5	2.5	2.8	3.5	4.0	3.8	2.0	4.3	3.3	2.5	3.5	3.4	3.5	3.3	3.3	2.8	3.3	2.2	1.5	1.0	2.8
9	AC88165-3	3.7	2.4	2.8	2.6	2.3	2.8	3.0	2.8	3.0	4.0	3.0	3.8	3.5	3.5	4.0	4.0	3.6	3.0	3.0	3.0	3.5	3.5	3.5	2.8	1.0	3.2
10	AO87277-6	-	2.0	2.3	2.1	1.9	2.0	2.7	2.2	4.0	3.7	-	2.3	4.8	3.5	3.0	4.0	3.6	2.8	3.5	-	2.5	3.5	3.5	2.0	1.0	3.0
11	AO89128-4	-	2.5	3.0	3.2	2.2	2.3	3.3	2.8	4.0	3.5	-	4.8	4.5	3.0	3.5	4.5	4.0	3.3	3.5	-	3.5	4.3	3.5	2.0	1.0	3.3
12	CORN-3	3.4	1.7	1.9	1.8	2.0	1.6	2.1	2.1	3.0	3.5	3.8	3.3	3.5	3.5	3.0	3.5	3.4	3.3	3.3	3.5	3.5	4.3	3.0	2.0	1.0	3.3
13	CORN-8	3.5	1.6	1.8	1.5	1.9	1.7	2.1	2.0	3.0	3.8	4.0	2.8	2.8	3.5	1.5	2.5	3.0	3.0	3.0	3.0	2.5	3.8	3.3	1.3	1.0	2.8
14	NDD840-1	-	2.3	-	2.9	-	-	2.2	2.5	-	4.0	-	3.5	2.5	-	-	5.0	3.8	-	3.3	-	3.8	4.3	-	-	1.0	3.8
15	TX1385-12RU	3.0	1.8	2.4	2.4	2.3	1.9	2.5	2.3	2.5	3.8	3.0	2.8	4.3	3.5	2.0	3.5	3.2	2.3	3.3	3.5	2.8	3.3	4.0	1.3	1.0	2.9
16	TXNS112	4.1	1.7	2.0	1.9	1.9	1.9	2.3	2.3	2.8	4.0	3.3	2.3	3.3	3.2	2.5	2.0	2.9	2.5	2.8	2.8	2.0	3.8	2.5	1.3	1.0	2.5
17	TXNS223	4.0	1.7	2.0	2.0	2.2	1.7	2.5	2.3	3.0	3.8	3.5	2.3	3.8	3.3	1.5	2.0	2.9	3.0	2.3	2.8	2.0	3.5	2.8	1.0	1.0	2.5
18	TXNS278	3.7	1.8	1.8	1.7	1.8	1.7	1.9	2.1	3.0	4.0	3.8	2.3	3.8	3.5	2.0	2.0	3.1	3.3	2.5	3.0	2.3	3.5	2.8	1.3	1.0	2.7
Location Means		3.6	2.0	2.4	2.3	2.0	2.0	2.5	2.4	3.2	3.8	3.6	3.1	3.9	3.3	2.9	3.5	3.4	3.1	3.2	3.3	3.0	3.7	3.2	2.1	1.0	3.1

¹Severe Two-Spotted Spider Mite damage caused early plant senescence in most entries; maturity ratings excluded from overall mean.

TABLE 6: 1998 Western Regional Potato Variety Trial - TOTAL YIELD, YIELD OF U.S. #1'S, YIELD > 10/12 OZ - EARLY HARVEST

No . Clone	Total Yield (CWT/A)							U.S. No 1's (CWT/A & %)							>10/12 (CWT/A & %)						
	CA KRN	ID KIM	NM CLV'	OR HRM	TX SPR	WA OTH	Entry Mean	CA KRN	ID KIM	NM CLV'	OR HRM	TX SPR	WA OTH	Entry Mean	CA KRN	ID KIM	NM CLV'	OR HRM	TX SPR	WA OTH	Entry Mean
1 R. BURBANK	371	272	49	645	207	672	433 ab	113	141	1	331	56	348	198 d	6	3	0	16	5	3	7
								30	52	3	51	27	52	43	2	1	0	2	2	1	2
2 RANGER R.	405	263	48	619	332	613	446 ab	307	209	3	540	260	467	357 abc	136	9	0	103	61	59	74
								76	79	6	87	78	76	79	33	3	0	17	18	10	16
3 R. NORKOTAH	387	253	32	346	274	711	394 b	241	167	5	218	232	593	290 abcd	48	3	0	0	66	94	42
								62	66	16	63	84	83	72	12	1	0	0	23	13	10
4 SHEPODY	-	252	31	587	343	709	473 ab	-	157	0	511	255	576	375 ab	-	10	0	181	63	193	112
								-	62	0	87	76	81	77	-	4	0	31	18	27	20
5 AVALANCHE	-	317	83	766	152	834	517 a	-	219	18	628	85	658	397 a	-	20	0	37	9	74	35
								-	69	22	82	57	79	72	-	6	0	5	5	9	6
6 A88338-1	482	212	41	599	128	641	412 ab	316	167	12	529	105	576	339 abc	114	23	0	200	35	123	99
								65	79	29	88	83	90	81	24	11	0	33	29	19	23
7 AC87084-3	457	203	32	493	174	603	386 b	401	155	6	401	144	468	314 abc	111	6	0	27	9	18	34
								88	76	21	81	83	78	81	24	3	0	5	7	3	9
8 AC88042-1	383	267	27	474	339	535	400 ab	270	120	3	272	273	278	243 cd	68	0	0	0	14	2	17
								70	45	11	58	81	52	61	18	0	0	0	5	0	5
9 AC88165-3	410	240	75	600	274	632	431 ab	244	134	2	449	158	460	289 abcd	29	2	0	8	15	36	18
								60	56	3	75	58	73	64	7	1	0	1	6	6	4
10 AO87277-6	381	282	46	614	360	679	463 ab	309	211	2	544	229	567	372 ab	40	14	0	81	8	59	40
								81	75	4	89	64	83	78	10	5	0	13	2	9	8
11 AO89128-4	448	240	29	542	291	589	422 ab	294	120	2	370	215	374	275 bcd	44	5	0	9	41	3	21
								66	50	8	68	72	63	64	10	2	0	2	14	1	6
12 CORN-3	521	181	40	581	337	709	466 ab	224	147	4	503	321	593	358 abc	87	32	0	89	117	172	100
								43	81	9	87	95	84	78	17	18	0	15	34	24	22
13 CORN-8	394	146	48	430	236	610	363 b	184	112	10	348	206	493	268 bcd	56	19	0	16	62	102	51
								47	77	21	81	87	81	75	14	13	0	4	27	17	15
15 TX1385-12RU	276	220	92	522	428	642	418 ab	232	175	18	488	346	533	355 abc	38	43	1	242	154	181	132
								84	80	19	94	81	83	84	14	20	1	46	36	28	29
16 TXNS112	360	251	62	446	286	711	411 ab	231	213	9	367	248	564	324 abc	65	48	0	45	96	112	73
								64	85	15	82	86	79	79	18	19	0	10	34	16	19
17 TXNS223	364	247	38	505	455	649	444 ab	231	182	5	414	371	544	348 abc	95	39	0	35	100	89	72
								63	74	13	82	82	84	77	26	16	0	7	22	14	17
18 TXNS278	445	189	59	430	452	633	430 ab	216	153	12	334	399	481	317 abc	84	35	0	29	115	88	70
								48	81	20	78	88	76	74	19	19	0	7	25	14	17
Location Means	358	237	49	541	298	657	406	254	164	7	426	229	504	319	65	18	0	66	57	83	59
								63	70	13	78	75	76	73	16	8	0	12	18	12	13
LSD (.05)							99							100							52

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

'Clovis excluded from mean and statistical analysis.

TABLE 7: 1998 Western Regional Potato Variety Trial - YIELD OF U.S. #2'S & CULLS > 4 OZ., OF < 4 OZ., SPECIFIC GRAVITY - EARLY HARVEST

No.	Clone	U.S. No. 2's & CULLS >4 OZ (CWT/A & %)							YIELD OF < 4 OZ (CWT/A & %)							SPECIFIC GRAVITY						
		CA	ID	NM	OR	TX	WA	Entry	CA	ID	NM	OR	TX	WA	Entry	CA	ID	OR	TX	WA	Entry	
		KRN	KIM	CLV ¹	HRM	SPR	OTH	Mean	KRN	KIM	CLV ¹	HRM	SPR	OTH	Mean	KRN	KIM	HRM	SPR	OTH	Mean	
1	R. BURBANK	233	54	47	187	120	184	155	26	78	1	127	31	140	80	1.096	1.069	1.079	1.073	1.078	1.079	bcde
		63	20	95	29	58	27	39	7	29	2	20	15	21	18							
2	RANGER R.	83	16	42	28	32	79	47	15	38	3	51	40	67	42	1.086	1.072	1.080	1.080	1.077	1.079	bcde
		20	6	89	5	10	13	11	4	14	5	8	12	11	10							
3	R. NORKOTAH	135	25	24	3	5	21	38	11	61	3	125	37	98	66	1.084	1.076	1.074	1.077	1.075	1.077	cde
		35	10	75	1	3	3	10	3	24	9	36	13	14	18							
4	SHEPODY	-	23	30	36	56	73	47	-	72	1	41	32	61	51	-	1.076	1.079	1.086	1.075	1.079	bcde
		-	9	97	6	14	10	10	-	29	3	7	9	9	13	-						
5	AVALANCHE	-	9	36	8	28	41	22	-	89	29	130	39	135	98	-	1.072	1.096	1.066	1.072	1.076	cde
		-	3	43	1	18	5	7	-	28	35	17	25	16	22	-						
6	A88338-1	154	8	22	31	11	25	46	13	37	7	40	11	40	28	1.084	1.066	1.075	1.080	1.083	1.078	cde
		32	4	54	5	6	4	10	3	17	17	7	11	6	9							
7	AC87084-3	40	0	19	6	2	16	13	16	48	7	85	28	118	59	1.090	1.071	1.083	1.078	1.082	1.081	abcd
		9	0	53	1	1	3	3	4	24	26	17	16	20	16							
8	AC88042-1	84	7	20	8	8	11	24	29	140	4	194	57	246	133	1.082	1.069	1.076	1.072	1.075	1.075	cde
		22	3	74	2	2	2	6	8	52	15	41	17	46	33							
9	AC88165-3	149	6	68	6	19	32	42	17	100	5	145	97	140	100	1.089	1.075	1.079	1.084	1.080	1.081	abc
		36	3	91	1	7	5	10	4	42	6	24	36	22	26							
10	AO87277-6	38	9	42	11	57	17	26	34	62	2	58	75	95	65	1.093	1.085	1.081	1.080	1.084	1.085	ab
		10	3	91	2	16	3	7	9	22	4	9	21	14	15							
11	AO89128-4	123	8	25	33	26	26	43	31	112	2	139	50	189	104	1.092	1.082	1.086	1.082	1.087	1.086	a
		27	3	85	6	10	4	10	7	47	7	26	18	32	26							
12	CORN-3	289	9	33	24	0	44	73	9	25	3	54	17	73	35	1.080	1.073	1.072	1.074	1.074	1.075	cde
		55	5	84	4	0	6	14	2	14	7	9	5	10	8							
13	CORN-8	197	6	37	5	6	42	51	13	28	1	77	24	75	43	1.082	1.073	1.073	1.081	1.073	1.076	cde
		50	4	77	1	3	7	13	3	19	2	18	10	12	13							
15	TX1385-12RU	26	6	55	9	53	41	27	18	39	19	24	29	68	35	1.085	1.075	1.079	1.080	1.079	1.079	abcde
		9	3	59	2	12	6	6	6	18	20	5	7	11	9							
16	TXNS112	115	11	46	0	25	66	43	14	27	7	65	14	82	40	1.083	1.073	1.071	1.075	1.066	1.074	e
		32	4	74	0	9	9	11	4	11	11	15	5	11	9							
17	TXNS223	122	27	30	14	39	34	47	11	38	3	82	45	72	50	1.086	1.069	1.072	1.077	1.073	1.075	cde
		33	11	79	3	9	5	12	3	15	8	16	10	11	11							
18	TXNS278	213	12	44	0	17	61	60	17	24	3	96	36	91	53	1.081	1.072	1.072	1.081	1.071	1.075	cde
		48	6	75	0	4	10	13	4	13	5	22	8	14	12							
	Location Means	133	14	36	24	30	48	47	18	60	6	90	39	105	64	1.086	1.073	1.078	1.078	1.077	1.078	
	LSD (.05)	32	6	76	4	11	7	11	5	25	11	17	14	17	16							0.006

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

¹Clovis excluded from mean and statistical analysis.

TABLE 8: 1998 Western Regional Potato Variety Trial - TOTAL YIELD (CWT/A) - LATE HARVEST

No.	Clone	CA	CO	ID		NM	OR			WA	Entry Mean
		TUL	SLV	AB	KIM	FRM	HRM	KLM	MAL	OTH	
1	R. BURBANK	466	510	396	465	255	695	486	375	674	480 bc
2	RANGER R.	443	478	450	514	386	719	401	396	666	495 bc
3	R. NORKOTAH	391	405	192	326	226	516	434	296	549	370 f
5	AVALANCHE	745	666	362	619	331	1087	523	463	992	643 a
6	A88338-1	585	-	448	469	330	1034	380	408	601	532 b
7	AC87084-3	474	556	301	351	139	620	375	316	550	409 def
8	AC88042-1	476	465	376	393	283	629	417	401	541	442 cde
9	AC88165-3	367	519	407	476	402	708	344	377	638	471 bcd
10	AO87277-6	493	-	317	529	343	769	435	334	638	482 bc
11	AO89128-4	326	-	424	511	256	566	416	377	626	438 cde
12	CORN-3	383	537	361	431	324	876	384	300	601	466 cd
13	CORN-8	280	460	244	352	146	599	392	285	527	365 f
14	NDD840-1	290	-	305	364	268	667	369	274	535	384 ef
15	TX1385-12RU	421	472	356	429	411	845	488	447	631	500 bc
16	TXNS112	296	552	299	392	175	637	383	318	603	406 def
17	TXNS223	302	538	251	361	188	643	422	311	578	399 ef
18	TXNS278	301	563	290	379	180	716	421	285	524	406 def
	Location Means	414	517	340	433	273	725	410	351	616	452
	LSD (.05)										65

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

TABLE 9: 1998 Western Regional Potato Variety Trial - YIELD OF U.S. No. 1's(CWT/A & %) - LATE HARVEST

No.	Clone	CA	CO	ID		NM	OR			WA	Entry Mean	
		TUL	SLV	AB	KIM	FRM ¹	HRM	KLM	MAL	OTH		
1	R. BURBANK	309	340	176	244	156	350	328	223	263	265	g
		66	67	44	52	61	50	67	60	39	56	
2	RANGER R.	325	420	366	412	333	458	279	324	374	366	bcd
		73	88	81	80	86	64	70	82	56	76	
3	R. NORKOTAH	313	363	123	245	133	383	365	225	400	283	fg
		80	90	64	75	59	74	84	76	73	75	
5	AVALANCHE	600	591	271	511	285	730	354	350	733	492	a
		81	89	75	83	86	67	68	76	74	78	
6	A88338-1	464	-	371	317	294	645	311	282	305	374	bc
		79	-	83	68	89	62	82	69	51	73	
7	AC87084-3	422	497	257	300	110	546	255	274	437	344	bcde
		89	90	85	85	79	88	68	87	80	83	
8	AC88042-1	349	349	265	255	201	394	331	280	299	302	efg
		73	75	70	65	71	63	79	70	55	69	
9	AC88165-3	245	429	288	325	318	401	226	257	464	328	bcdef
		67	83	71	68	79	57	66	68	73	70	
10	AO87277-6	375	-	269	417	280	487	371	275	435	364	bcd
		76	-	85	79	82	63	85	82	68	78	
11	AO89128-4	256	-	309	381	121	218	308	269	395	282	fg
		79	-	73	75	47	39	74	70	63	65	
12	CORN-3	281	474	278	348	267	513	286	258	410	346	bcde
		73	89	77	81	83	59	74	86	68	77	
13	CORN-8	228	412	203	265	100	441	276	231	378	282	fg
		81	90	83	75	69	74	70	81	72	77	
14	NDD840-1	230	-	239	301	222	522	287	221	288	289	efg
		79	-	78	83	83	78	78	81	54	77	
15	TX1385-12RU	332	445	312	341	356	536	396	354	425	389	b
		79	95	88	79	87	63	81	79	67	80	
16	TXNS112	243	481	234	307	112	462	282	267	421	312	defg
		82	87	78	78	64	73	74	84	70	77	
17	TXNS223	221	485	188	270	130	472	306	263	420	306	defg
		73	90	75	75	69	73	73	85	73	76	
18	TXNS278	223	492	239	324	133	487	319	242	370	314	cdefg
		74	87	82	85	74	68	76	84	71	78	
Location Means		319	444	258	327	209	473	311	270	401	332	
LSD (.05)		77	86	76	76	75	66	75	78	65	74	
											61	

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

¹FRM graded by size: marketable shown.

TABLE 10: 1998 Western Regional Potato Variety Trial - YIELD OF U.S. #1'S >10/12 OZ (CWT/A & %) - LATE HARVEST

No.	Clone	CA	CO	ID		NM	OR			WA	Entry Mean
		TUL	SLV	AB	KIM	FRM ¹	HRM	KLM	MAL	OTH	
1	R. BURBANK	82	107	22	64	2	71	55	9	52	52
		18	21	6	14	1	10	11	2	8	10
2	RANGER R.	118	193	138	152	27	137	109	36	99	112
		27	40	31	30	7	19	27	9	15	23
3	R. NORKOTAH	55	212	3	27	0	27	129	27	125	67
		14	52	2	8	0	5	30	9	23	16
5	AVALANCHE	114	381	16	104	46	48	75	15	205	112
		15	57	4	17	14	4	14	3	21	17
6	A88338-1	249	-	246	162	25	291	100	57	149	160
		43	-	55	35	8	28	26	14	25	29
7	AC87084-3	131	249	108	137	24	140	71	48	175	120
		28	45	36	39	17	23	19	15	32	28
8	AC88042-1	99	59	10	24	4	9	76	5	60	38
		21	13	3	6	1	1	18	1	11	8
9	AC88165-3	50	169	12	24	9	32	33	4	51	43
		14	33	3	5	2	5	10	1	8	9
10	AO87277-6	26	-	17	122	9	94	113	33	124	67
		5	-	5	23	3	12	26	10	19	13
11	AO89128-4	64	-	17	64	0	4	42	24	59	34
		20	-	4	13	0	1	10	6	9	8
12	CORN-3	165	327	139	194	17	204	74	38	248	156
		43	61	39	45	5	23	19	13	41	32
13	CORN-8	121	276	65	162	0	136	80	38	191	119
		43	60	27	46	0	23	20	13	36	30
14	NDD840-1	52	-	29	65	6	148	80	24	56	58
		18	-	10	18	2	22	22	9	11	14
15	TX1385-12RU	146	323	100	160	88	226	224	170	260	189
		35	68	28	37	21	27	46	38	41	38
16	TXNS112	99	295	72	173	5	88	94	49	220	122
		33	53	24	44	3	14	25	15	36	28
17	TXNS223	110	306	23	134	4	91	123	57	215	118
		36	57	9	37	2	14	29	18	37	27
18	TXNS278	128	334	76	185	4	145	102	45	222	138
		43	59	26	49	2	20	24	16	42	31
Location Means		107	249	64	115	16	111	93	40	148	100
LSD (.05)		27	48	18	27	5	15	22	11	24	21
											40

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

¹FRM graded by size: >3".

TABLE 11: 1998 Western Regional Potato Variety Trial - YIELD OF U.S. No. 2's & CULLS >4 OZ (CWT/A&%) - LATE HARVEST

No.	Clone	CA	CO	ID		OR			WA	Entry Mean
		TUL	SLV	AB	KIM	HRM	KLM	MAL	OTH	
1	R. BURBANK	90	91	183	174	258	56	52	330	154
		19	18	46	37	37	12	14	49	29
2	RANGER R.	79	37	67	73	205	51	28	219	95
		18	8	15	14	29	13	7	33	17
3	R. NORKOTAH	12	9	1	35	36	8	13	98	27
		3	2	1	11	7	2	4	18	6
5	AVALANCHE	79	46	10	43	219	66	38	169	84
		11	7	3	7	20	13	8	17	11
6	A88338-1	90	-	61	121	330	16	89	250	137
		15	-	14	26	32	4	22	42	22
7	AC87084-3	20	24	16	20	21	24	7	58	24
		4	4	5	6	3	6	2	11	5
8	AC88042-1	45	7	5	36	60	11	39	129	42
		10	2	1	9	10	3	10	24	8
9	AC88165-3	65	35	25	59	94	33	16	70	50
		18	7	6	12	13	10	4	11	10
10	AO87277-6	17	-	5	67	201	18	20	157	69
		3	-	2	13	26	4	6	25	11
11	AO89128-4	26	-	35	63	196	40	31	145	77
		8	-	8	12	35	10	8	23	15
12	CORN-3	80	37	63	61	291	39	13	157	93
		21	7	17	14	33	10	4	26	17
13	CORN-8	29	19	14	74	87	40	9	119	49
		10	4	6	21	15	10	3	23	11
14	NDD840-1	22	-	16	8	50	17	9	151	39
		7	-	5	2	7	5	3	28	8
15	TX1385-12RU	60	13	14	61	216	38	59	167	79
		14	3	4	14	26	8	13	27	14
16	TXNS112	36	31	30	64	76	30	11	147	53
		12	6	10	16	12	8	3	24	11
17	TXNS223	56	21	31	72	93	63	9	124	59
		18	4	12	20	14	15	3	21	14
18	TXNS278	59	31	20	35	161	26	14	118	58
		20	6	7	9	22	6	5	23	12
Location Means		51	31	35	63	153	34	27	153	70
LSD (.05)		12	6	10	14	20	8	7	25	13
										36

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

FRM graded by size: No. U.S. No. 2's or Culls > 4 oz.

TABLE 12: 1998 Western Regional Potato Variety Trial - YIELD OF TUBERS <4 OZ (CWT/A & %) - LATE HARVEST

No.	Clone	CA	CO	ID		NM	OR			WA	Entry Mean
		TUL	SLV	AB	KIM	FRM ¹	HRM	KLM	MAL	OTH	
1	R. BURBANK	67	79	38	47	99	87	56	101	81	73
		14	15	10	10	39	13	12	27	12	17
2	RANGER R.	38	21	17	29	53	56	28	44	73	40
		9	4	4	6	14	8	7	11	11	8
3	R. NORKOTAH	66	33	69	45	93	96	35	58	51	61
		17	8	36	14	41	19	8	20	9	19
5	AVALANCHE	65	29	81	65	46	137	48	74	89	70
		9	4	22	11	14	13	9	16	9	12
6	A88338-1	31	-	17	30	36	59	22	37	46	35
		5	-	4	6	11	6	6	9	8	7
7	AC87084-3	31	35	29	30	29	54	46	33	54	38
		7	6	10	9	21	9	12	11	10	10
8	AC88042-1	82	109	106	102	82	175	47	80	113	100
		17	23	28	26	29	28	11	20	21	23
9	AC88165-3	56	55	93	92	85	214	56	104	105	95
		15	11	23	19	21	30	16	28	16	20
10	AO87277-6	101	-	42	45	63	80	27	38	46	55
		21	-	13	9	18	10	6	11	7	12
11	AO89128-4	43	-	80	68	135	153	40	74	87	85
		13	-	19	13	53	27	10	20	14	21
12	CORN-3	22	26	20	22	56	73	29	28	35	35
		6	5	6	5	17	8	8	9	6	8
13	CORN-8	24	29	27	13	46	71	40	42	30	36
		9	6	11	4	31	12	10	15	6	11
14	NDD840-1	38	-	50	55	46	95	40	42	96	58
		13	-	16	15	17	14	11	15	18	15
15	TX1385-12RU	29	14	30	27	54	92	23	32	38	38
		7	3	8	6	13	11	5	7	6	7
16	TXNS112	18	40	35	21	64	99	34	39	35	43
		6	7	12	5	36	16	9	12	6	12
17	TXNS223	25	32	31	19	58	78	21	38	35	37
		8	6	12	5	31	12	5	12	6	11
18	TXNS278	19	40	31	20	48	67	33	28	36	36
		6	7	11	5	26	9	8	10	7	10
Location Means		45	42	47	43	64	99	37	52	62	55
LSD (.05)		11	8	14	10	25	14	9	15	10	13
											17

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

¹FRM graded by size: <1 7/8".

TABLE 13: 1998 Western Regional Potato Variety Trial - SPECIFIC GRAVITY - LATE HARVEST

No.	Clone	CO SLV	ID		NM FRM	OR			WA OTH	Entry Means
			AB	KIM		HRM	KLM	MAL		
1	R. BURBANK	1.080	1.077	1.080	1.078	1.070	1.086	1.081	1.068	1.077 b
2	RANGER R.	1.075	1.086	1.089	1.097	1.070	1.088	1.097	1.070	1.084 a
3	R. NORKOTAH	1.073	1.073	1.071	1.081	1.065	1.069	1.072	1.064	1.071 cde
5	AVALANCHE	1.075	1.075	1.076	1.089	1.067	1.076	1.072	1.066	1.074 bcd
6	A88338-1	-	1.080	1.076	1.084	1.065	1.082	1.073	1.067	1.075 bc
7	AC87084-3	1.086	1.079	1.086	1.091	1.075	1.092	1.084	1.072	1.083 a
8	AC88042-1	1.074	1.076	1.078	1.085	1.063	1.080	1.083	1.067	1.076 bc
9	AC88165-3	1.081	1.084	1.094	1.094	1.074	1.081	1.094	1.081	1.085 a
10	AO87277-6	-	1.084	1.091	1.089	1.073	1.091	1.090	1.075	1.085 a
11	AO89128-4	-	1.090	1.093	1.090	1.076	1.091	1.089	1.080	1.087 a
12	CORN-3	1.080	1.073	1.072	1.082	1.064	1.076	1.076	1.064	1.073 cde
13	CORN-8	1.077	1.073	1.069	1.078	1.060	1.072	1.070	1.062	1.070 e
14	NDD840-1	-	1.080	1.082	1.086	1.072	1.076	1.083	1.070	1.078 b
15	TX1385-12RU	1.081	1.078	1.079	1.087	1.063	1.079	1.080	1.064	1.076 bc
16	TXNS112	1.073	1.068	1.071	1.079	1.060	1.070	1.073	1.061	1.069 e
17	TXNS223	1.078	1.074	1.068	1.075	1.062	1.072	1.072	1.062	1.070 e
18	TXNS278	1.076	1.073	1.070	1.078	1.060	1.073	1.070	1.063	1.070 e
	Location Means	1.078	1.078	1.079	1.085	1.067	1.079	1.080	1.068	1.077
	LSD (.05)									0.004

Numbers followed by the same letter are not significantly different at the 5% level using Duncan's multiple range test.

TABLE 14: 1998 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)													
		ID			OR		TX	WA		Entry Mean	CA		CO	ID		OR		TX	WA	Entry Mean				
		AB L	KIM		HRM E L	SPR E	OTH E L	KRN E	TUL L		SLV L	AB L	KIM		HRM ¹ E L	KLM L	MAL L	SPR E	OTH E L					
			E	L						E			L	E						L				
1	R. BURBANK	6.8	4.2	6.8	5.2	6.5	4.0	5.2	6.9	5.7	4.0	4.0	5.0	4.3	4.5	4.5	1.89	1.90	5.0	4.8	3.0	3.0	4.0	4.2
2	RANGER R.	8.7	5.3	8.0	6.7	7.7	5.1	6.4	7.1	6.9	5.0	4.3	5.0	4.8	4.8	4.8	2.13	2.00	5.0	4.3	3.0	4.0	4.0	4.5
3	R. NORKOTAH	3.9	4.4	5.6	4.2	5.0	5.8	6.0	7.3	5.3	4.0	4.0	5.0	3.8	3.8	4.0	1.78	1.86	5.0	3.5	4.0	3.3	3.3	4.0
4	SHEPODY	-	4.5	-	7.8	-	5.5	7.5	-	6.3	-	-	4.0	-	3.5	-	1.78	-	5.0	-	2.0	4.0	-	3.7
5	AVALANCHE	4.7	4.5	7.9	5.1	6.4	3.5	5.6	7.2	5.6	-	3.0	3.0	2.0	1.3	2.0	1.35	1.34	3.8	2.5	1.0	2.3	2.2	2.3
6	A88338-1	11.1	5.4	8.6	10.3	8.7	6.0	7.5	8.6	8.3	4.0	3.9	-	4.0	3.3	4.0	1.77	1.75	3.5	4.0	5.0	3.0	3.7	3.8
7	AC87084-3	7.2	4.5	6.4	5.3	7.4	4.4	5.1	7.5	6.0	3.0	3.0	4.0	3.3	2.3	2.8	1.52	1.38	3.3	2.5	2.0	2.5	3.0	2.9
8	AC88042-1	4.1	3.0	4.5	3.7	4.3	3.9	3.7	5.4	4.1	4.0	4.0	4.0	3.8	3.5	4.3	1.63	1.72	4.8	3.3	2.0	3.0	3.7	3.7
9	AC88165-3	4.8	3.7	4.9	4.9	4.6	3.2	4.9	5.7	4.6	4.0	3.3	5.0	4.0	2.5	3.0	1.66	1.67	5.0	3.0	3.0	3.0	3.0	3.5
10	AO87277-6	5.6	4.7	7.3	6.6	6.1	4.5	6.0	7.6	6.0	4.0	3.8	-	4.0	4.0	4.0	1.76	1.78	4.5	4.0	3.0	4.0	4.0	3.9
11	AO89128-4	4.8	3.4	5.9	4.6	4.6	2.5	4.3	6.1	4.5	4.0	4.0	-	4.8	3.8	4.5	1.97	1.98	4.0	3.3	3.0	3.3	4.2	3.9
12	CORN-3	8.7	6.3	9.6	6.2	7.9	6.9	7.1	10.2	7.9	4.0	4.3	5.0	4.0	3.8	4.0	1.90	1.72	4.0	4.0	3.0	3.0	4.0	3.9
13	CORN-8	6.4	5.1	10.1	5.3	6.7	6.5	6.4	9.6	7.0	4.0	4.3	5.0	4.3	4.0	4.3	1.96	1.90	4.0	4.0	3.0	3.5	4.0	4.0
14	NDD840-1	5.6	-	5.5	-	6.3	-	-	5.8	5.8	-	3.0	-	3.3	-	3.0	-	1.50	4.0	3.0	-	-	4.0	3.4
15	TX1385-12RU	7.3	5.4	8.3	9.2	7.1	7.0	7.2	10.0	7.7	3.0	3.0	3.0	2.3	2.8	3.0	1.45	1.44	3.0	2.5	2.0	3.0	3.0	2.8
16	TXNS112	6.7	6.3	9.1	5.9	5.7	7.6	6.7	9.4	7.2	4.0	4.0	5.0	4.0	4.0	4.0	1.85	1.83	4.0	3.8	3.0	3.2	3.3	3.8
17	TXNS223	6.0	6.2	9.0	5.6	6.0	5.9	6.4	9.2	6.8	5.0	4.0	5.0	4.3	4.0	4.3	1.87	1.89	5.0	4.0	3.0	3.0	4.0	4.1
18	TXNS278	6.7	6.3	9.3	5.1	7.1	6.6	6.3	9.4	7.1	4.0	4.0	5.0	4.0	4.3	4.0	1.84	1.82	4.0	3.5	3.0	3.0	3.3	3.8
	Location Means	6.4	4.9	7.5	6.0	6.4	5.2	6.0	7.8	6.3	4.0	3.8	4.5	3.8	3.5	3.8	1.77	1.73	4.3	3.5	2.8	3.2	3.6	3.7

¹Actual length to width ratio.

TABLE 15: 1998 Western Regional Potato Variety Trial - DEGREE OF RUSSETING, EYE DEPTH, AND SKIN COLOR

No. Clone	Degree of Russeting (1-5(hvy russet))													Eye Depth (1-5(shallow))							Skin Color					
	CA		ID		OR			TX	WA	Entry Mean	CA		ID		OR			TX E	Entry Mean	OR						
	KRN	TUL	AB	KIM		HRM	KLM	MAL	SPR		OTH	KRN	TUL	AB	KIM		HRM			MAL	HRM	MAL				
	E	L	L	E	L	E	L	E	L	E	E	L	L	E	L	E	L	E	L	L						
1 R. BURBANK	3.0	3.0	3.0	3.5	4.0	3.0	3.0	5.0	4.0	3.0	3.0	3.0	3.4	3.0	3.7	3.5	3.5	3.8	3.7	4.0	3.0	3.0	3.5	3.3	4.0	4.0
2 RANGER R.	3.0	3.9	3.0	3.5	3.8	3.7	4.0	4.0	3.8	3.0	3.3	3.0	3.5	3.0	3.9	2.8	3.0	2.8	3.5	3.5	2.8	4.0	3.3	4.0	4.0	3.8
3 R. NORKOTAH	4.0	4.0	4.0	4.0	4.3	3.7	4.0	5.0	4.3	4.0	4.0	4.3	4.1	4.0	3.8	3.8	3.0	3.5	4.0	4.0	2.8	4.0	3.6	3.5	4.0	4.0
4 SHEPODY	-	-	-	1.0	-	1.0	-	1.0	-	2.0	1.0	-	1.2	-	-	-	4.3	-	4.3	-	-	4.0	4.2	2.0	-	-
5 AVALANCHE	-	-	1.3	1.0	1.8	2.0	2.0	1.0	2.8	2.0	1.0	1.0	1.6	-	4.0	3.5	3.8	4.0	4.9	4.5	3.5	4.0	4.0	2.5	2.9	3.0
6 A88338-1	2.0	4.8	3.5	4.0	4.0	3.5	3.5	5.0	3.8	4.0	3.0	2.7	3.6	4.0	3.8	2.5	3.8	3.3	4.3	3.8	4.3	4.0	3.7	3.8	4.0	3.5
7 AC87084-3	4.0	3.8	4.8	4.3	5.0	4.4	4.5	5.0	4.5	3.0	3.5	4.7	4.3	5.0	4.2	3.5	4.3	3.8	5.0	4.5	4.0	4.0	4.3	4.5	4.5	3.5
8 AC88042-1	3.0	3.2	2.3	3.0	3.3	2.8	3.0	3.3	2.3	2.0	2.3	2.0	2.7	4.0	3.7	3.3	3.5	3.8	4.1	4.1	2.8	4.0	3.7	3.6	3.8	3.3
9 AC88165-3	2.0	4.7	2.5	3.8	4.0	3.8	4.0	4.5	4.0	3.0	3.0	3.0	3.5	4.0	3.8	3.3	3.3	2.8	4.0	4.0	3.3	3.0	3.5	4.1	4.0	3.8
10 AO87277-6	4.0	3.9	3.0	3.0	3.8	2.9	3.3	4.8	4.3	3.0	3.0	3.8	3.6	4.0	4.8	3.3	3.5	3.8	4.0	4.1	3.0	4.0	3.8	3.9	4.0	3.8
11 AO89128-4	4.0	3.9	3.0	3.3	3.8	3.5	3.0	4.0	3.3	3.0	3.0	3.0	3.4	4.0	4.8	4.3	3.8	4.3	4.6	4.5	3.8	4.0	4.2	4.0	4.0	3.5
12 CORN-3	4.0	3.9	4.3	4.0	4.8	4.1	4.0	5.0	3.8	4.0	4.0	5.0	4.2	4.0	4.0	3.0	3.5	3.0	3.8	2.6	2.3	4.0	3.4	4.0	4.0	4.0
13 CORN-8	4.0	3.9	3.8	4.0	4.8	4.1	4.0	5.0	3.8	4.0	4.3	4.7	4.2	4.0	3.7	3.5	3.8	3.3	4.0	3.3	3.3	4.0	3.6	4.0	4.0	4.0
14 NDD840-1	-	4.8	4.8	-	4.8	-	4.1	5.0	4.3	-	-	3.2	4.4	-	4.0	3.8	-	3.8	-	4.0	4.0	-	3.9	-	4.1	4.0
15 TX1385-12RU	2.0	2.0	1.8	2.0	2.3	2.0	2.6	3.0	2.0	3.0	2.7	3.0	2.4	4.0	4.0	2.8	3.3	3.5	5.0	4.0	4.0	3.0	3.7	3.4	3.5	3.0
16 TXNS112	4.0	4.8	3.8	4.0	5.0	4.0	4.0	5.0	4.0	4.0	3.7	4.7	4.2	4.0	3.7	3.8	3.0	3.5	4.0	3.4	2.8	4.0	3.6	4.0	4.0	4.0
17 TXNS223	4.0	4.8	3.3	3.8	5.0	4.0	4.0	5.0	4.5	4.0	4.0	4.3	4.2	4.0	3.8	4.0	3.0	3.5	4.0	3.6	3.3	4.0	3.7	4.0	4.0	4.0
18 TXNS278	4.0	4.8	3.3	4.0	5.0	4.0	4.0	5.0	3.8	4.0	4.0	4.7	4.2	4.0	3.7	3.8	3.3	3.5	4.0	3.5	3.0	4.0	3.6	4.0	4.0	4.0
Location Means	3.4	4.0	3.3	3.3	4.1	3.3	3.6	4.2	3.7	3.2	3.1	3.5	3.5	3.9	4.0	3.4	3.5	3.5	4.2	3.8	3.3	3.8	3.7	3.7	3.9	3.7

Skin Color: 1-Red, 2-White, 3-Buff, 4-Brown, 5-Dark Brown

TABLE 16: 1998 Western Regional Potato Variety Trial - GROWTH CRACKS AND SHATTER BRUISE

No. Clone	Growth Cracks (1-5(none))												Shatter Bruise (1-5(none))									
	CO	ID				OR				TX	WA		Entry Mean	ID	OR				TX	WA		Entry Mean
	SLV	AB	KIM		HRM		KLM	MAL	SPR	OTH	AB	HRM		KLM	MAL	SPR	OTH					
	L	L	E	L	E	L	L	L	E	E	L	L	E	L	L	E	E	L				
1 R. BURBANK	4.0	3.0	4.3	3.0	3.7	3.9	3.5	1.3	5.0	3.3	2.8	3.4	2.8	5.0	5.0	5.0	4.8	5.0	5.0	3.7	4.5	
2 RANGER R.	4.0	4.8	4.8	4.3	5.0	4.0	4.8	5.0	5.0	5.0	4.0	4.6	3.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	
3 R. NORKOTAH	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	3.2	5.0	5.0	5.0	4.8	5.0	5.0	5.0	4.7	
4 SHEPODY	4.0	-	5.0	-	5.0	-	5.0	-	5.0	5.0	-	4.8	-	5.0	-	5.0	-	5.0	5.0	-	5.0	
5 AVALANCHE	5.0	4.8	5.0	4.8	5.0	4.8	4.5	5.0	5.0	5.0	5.0	4.9	3.1	5.0	5.0	5.0	4.8	5.0	5.0	4.5	4.7	
6 A88338-1	-	4.8	5.0	4.5	4.8	3.8	4.5	5.0	5.0	5.0	4.0	4.6	2.9	5.0	5.0	4.3	4.3	5.0	5.0	4.3	4.5	
7 AC87084-3	3.0	4.8	5.0	4.8	4.5	4.3	4.3	5.0	5.0	4.7	5.0	4.6	2.6	3.6	4.5	5.0	3.8	5.0	5.0	4.0	4.2	
8 AC88042-1	5.0	5.0	5.0	5.0	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	3.8	5.0	5.0	4.8	4.8	5.0	5.0	5.0	4.8	
9 AC88165-3	3.0	5.0	5.0	4.0	4.8	4.5	3.8	5.0	5.0	5.0	5.0	4.6	2.8	5.0	5.0	5.0	4.5	5.0	5.0	4.7	4.6	
10 AO87277-6	-	5.0	5.0	4.8	5.0	4.0	4.8	5.0	5.0	5.0	5.0	4.9	2.2	5.0	5.0	5.0	4.5	5.0	5.0	4.0	4.5	
11 AO89128-4	-	5.0	5.0	4.3	5.0	4.0	4.0	5.0	5.0	5.0	3.3	4.6	3.5	4.5	4.8	4.3	3.3	5.0	5.0	4.0	4.3	
12 CORN-3	4.0	5.0	5.0	5.0	5.0	4.1	4.0	4.5	5.0	5.0	5.0	4.7	3.2	5.0	5.0	5.0	4.8	5.0	5.0	4.5	4.7	
13 CORN-8	4.0	5.0	5.0	5.0	5.0	4.6	4.0	4.8	5.0	5.0	5.0	4.8	2.9	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.7	
14 NDD840-1	-	4.3	-	4.8	-	4.5	4.5	5.0	-	-	5.0	4.7	2.3	-	4.3	4.3	3.0	-	-	4.8	3.7	
15 TX1385-12RU	5.0	5.0	5.0	4.3	5.0	4.0	4.8	5.0	5.0	5.0	4.3	4.8	2.4	3.9	4.5	4.3	3.5	5.0	5.0	3.8	4.0	
16 TXNS112	4.0	5.0	5.0	4.8	4.8	4.5	4.3	4.8	5.0	5.0	5.0	4.7	3.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	
17 TXNS223	5.0	5.0	5.0	4.3	5.0	4.5	4.0	5.0	5.0	5.0	5.0	4.8	3.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	
18 TXNS278	4.0	5.0	5.0	4.8	5.0	4.8	4.0	4.8	5.0	5.0	5.0	4.8	3.4	5.0	5.0	5.0	4.5	5.0	5.0	4.5	4.7	
Location Means	4.1	4.8	4.9	4.6	4.9	4.4	4.4	4.7	5.0	4.9	4.6	4.7	3.0	4.8	4.9	4.8	4.4	5.0	5.0	4.5	4.5	

TABLE 17: 1998 Western Regional Potato Variety Trial - SCAB AND KNOBBINESS

No. Clone	Scab (1-5(none))										Knobbiness (1-5(none))									
	ID			OR			TX SPR	WA		Entry Mean	CO SLV	ID			OR KLM	TX SPR	WA		Entry Mean	
	AB	KIM		HRM		KLM		MAL	OTH			AB	KIM				OTH			
	L	E	L	E	L	L	L	E	E	L	L	E	L	L	E	E	L			
1 R. BURBANK	4.5	5.0	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	1.0	3.8	4.3	3.8	3.5	5.0	3.3	4.7	3.7
2 RANGER R.	5.0	5.0	4.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.0	4.8	4.8	5.0	4.0	5.0	5.0	4.5	4.6
3 R. NORKOTAH	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	4.5	5.0	5.0	4.8	5.0	4.8
4 SHEPODY	-	4.8	-	4.0	-	5.0	-	5.0	1.0	-	4.0	5.0	-	5.0	-	4.0	5.0	5.0	-	4.8
5 AVALANCHE	4.5	5.0	3.8	3.8	5.0	5.0	4.8	5.0	2.0	3.0	4.2	3.0	4.8	4.8	4.8	4.5	5.0	5.0	5.0	4.6
6 A88338-1	5.0	5.0	4.8	5.0	5.0	5.0	4.5	5.0	4.5	5.0	4.9	-	4.5	4.3	4.5	4.5	5.0	5.0	4.3	4.6
7 AC87084-3	5.0	5.0	4.5	5.0	4.5	5.0	5.0	5.0	4.7	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.0	4.7	5.0	5.0
8 AC88042-1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0
9 AC88165-3	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	3.0	4.8	4.0	5.0	4.8	4.5	4.0	5.0	5.0	5.0	4.7
10 AO87277-6	4.3	4.8	4.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8	-	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0
11 AO89128-4	4.3	5.0	3.8	4.8	5.0	5.0	5.0	5.0	4.8	5.0	4.8	-	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0
12 CORN-3	5.0	5.0	4.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	3.0	4.5	5.0	4.0	5.0	5.0	5.0	4.7	4.5
13 CORN-8	5.0	5.0	4.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.0	4.8	5.0	4.0	4.5	5.0	5.0	5.0	4.7
14 NDD840-1	5.0	-	4.8	-	5.0	5.0	5.0	-	-	5.0	5.0	-	5.0	-	5.0	5.0	-	-	5.0	5.0
15 TX1385-12RU	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	4.8	4.3	4.9	5.0	5.0	5.0	4.5	5.0	5.0	5.0	5.0	4.9
16 TXNS112	5.0	5.0	4.8	5.0	5.0	5.0	4.8	5.0	5.0	4.3	4.9	4.0	4.5	5.0	4.5	4.5	5.0	4.7	1.7	4.2
17 TXNS223	5.0	5.0	4.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.0	5.0	4.8	3.8	4.5	5.0	4.7	4.7	4.6
18 TXNS278	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	4.5	5.0	5.0	5.0	4.8
Location Means	4.9	5.0	4.5	4.9	5.0	5.0	4.9	5.0	4.5	4.7	4.8	3.9	4.8	4.9	4.5	4.6	5.0	4.8	4.7	4.7

TABLE 18a: 1998 Western Regional Potato Variety Trial - INTERNAL DEFECTS - HOLLOW HEART PLUS BROWN CENTER, AND BLACKSPOT SCORE

No. Clone	Percent Hollow Heart plus Brown Center														Blackspot (1-5(best))											
	CA		CO		ID		OR			TX		WA		Entry Mean	CO		ID		OR			TX		WA		Entry Mean
	KRN	TUL	SLV	AB	KIM		HRM	KLM	MAL	SPR	OTH	OTH	SLV		AB	KIM	HRM	KLM	MAL	SPR	OTH	OTH				
	E	L	L	L	E	L	E	L	L	L	E	L	L	L	L	E	L	L	L	E	E	L				
1 R. BURBANK	0	0	5	18	8	8	19	3	5	0	0	80	0	11	3.5	2.1	2.1	4.9	4.0	5.0	5.0	5.0	4.9	4.4	4.1	
2 RANGER R.	0	0	0	0	0	0	0	2	5	0	0	0	0	1	3.7	1.3	1.3	5.0	4.4	5.0	5.0	5.0	5.0	5.0	4.1	
3 R. NORKOTAH	0	0	0	8	3	3	0	0	28	0	0	0	4	4	4.6	1.6	1.5	5.0	4.8	5.0	5.0	5.0	4.9	5.0	4.2	
4 SHEPODY	-		1	-	3	-	0	-	3	-	0	0	-	1	4.6	-	-	5.0	-	5.0	5.0	5.0	5.0	-	4.9	
5 AVALANCHE	-	0	0	0	0	0	0	0	0	0	0	5	0	0	5.0	3.0	2.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	
6 A88338-1	0	42	-	10	0	0	0	1	3	0	0	3	0	5	-	3.4	2.8	5.0	4.8	5.0	5.0	5.0	5.0	5.0	4.6	
7 AC87084-3	8	17	0	78	0	3	6	4	28	0	0	3	8	12	3.3	1.6	1.2	4.0	4.0	5.0	5.0	5.0	4.8	3.4	3.7	
8 AC88042-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.6	2.1	2.1	5.0	4.9	5.0	5.0	5.0	5.0	4.6	4.3	
9 AC88165-3	0	0	0	0	0	3	0	0	3	0	0	0	0	0	4.7	1.2	1.0	5.0	4.9	5.0	5.0	5.0	4.8	4.3	4.1	
10 AO87277-6	0	0	-	0	0	0	1	1	10	0	0	0	0	1	-	2.1	1.5	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.3	
11 AO89128-4	17	8	-	3	3	11	0	1	5	0	0	0	9	5	-	3.1	2.2	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.5	
12 CORN-3	0	25	1	43	0	35	4	1	28	0	0	0	8	11	4.8	1.8	1.6	4.9	4.7	5.0	5.0	5.0	5.0	5.0	4.3	
13 CORN-8	0	25	0	28	3	16	0	1	18	0	0	3	6	8	4.9	1.6	1.6	5.0	5.0	5.0	5.0	5.0	4.7	4.9	4.3	
14 NDD840-1	-	8	-	10	-	3	-	3	10	0	-	-	3	5	-	1.7	1.2	-	4.5	5.0	5.0	-	-	4.8	3.7	
15 TX1385-12RU	0	17	0	15	5	3	1	5	28	0	0	0	6	6	3.3	2.2	1.8	5.0	4.5	5.0	5.0	5.0	5.0	4.7	4.1	
16 TXNS112	0	8	2	28	0	10	1	0	15	0	0	0	3	5	5.0	1.9	1.3	5.0	4.9	5.0	5.0	5.0	4.8	4.6	4.3	
17 TXNS223	0	17	0	41	3	18	0	1	35	0	0	0	0	9	4.8	2.1	1.7	5.0	4.6	5.0	5.0	5.0	5.0	5.0	4.3	
18 TXNS278	0	25	0	23	0	20	0	0	15	3	0	3	13	8	4.8	1.9	1.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.3	
Location Means	2	11	1	18	2	8	2	1	13	0	0	6	3	5	4.4	2.0	1.7	4.9	4.7	5.0	5.0	5.0	4.9	4.7	4.3	

TABLE 18b: 1998 Western Regional Potato Variety Trial - INTERNAL DEFECTS - VASCULAR DISCOLORATION, AND INTERNAL BROWN SPOT

No.	Clone	Percent Vascular Discoloration										Percent Internal Brown Spot											
		CA		ID			OR			TX	Entry	CA		ID			OR			WA		Entry	
		KRN	TUL	AB	KIM		HRM		KLM			MAL	SPR	Mean	KRN	TUL	AB	KIM		HRM			KLM
		E	L		E	L	E	L	L	L	E	E			L	E		L	E	L	E	L	
1	R. BURBANK	0	0	0	0	3	0	0	0	0	0	0	8	0	0	3	0	33	2	3	0	0	5
2	RANGER R.	0	0	0	0	0	4	4	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
3	R. NORKOTAH	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	2	5	0	0	1
4	SHEPODY	-	-	-	3	-	7	-	0	-	0	2	-	-	-	0	-	0	-	0	0	-	0
5	AVALANCHE	-	8	0	0	0	4	1	0	18	0	3	-	0	0	0	5	9	41	0	0	18	8
6	A88338-1	0	0	0	0	5	3	7	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
7	AC87084-3	0	0	0	0	0	3	4	0	0	0	1	8	0	0	0	13	5	17	0	0	15	6
8	AC88042-1	0	0	0	0	3	2	5	0	5	30	4	0	0	0	0	0	2	0	0	0	0	0
9	AC88165-3	0	0	0	3	0	0	0	0	13	0	2	0	0	0	0	0	0	12	0	0	0	1
10	AO87277-6	0	0	0	0	0	2	5	0	0	0	1	0	0	0	0	0	2	2	3	0	0	1
11	AO89128-4	0	0	0	0	0	4	3	0	5	0	1	0	0	0	0	0	0	0	0	0	0	0
12	CORN-3	0	0	0	5	0	7	4	0	0	0	2	0	0	0	3	0	0	1	3	0	0	1
13	CORN-8	0	0	3	5	3	1	2	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
14	NDD840-1	-	0	0	-	3	-	1	0	0	-	1	-	0	0	-	0	-	3	8	-	0	2
15	TX1385-12RU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0
16	TXNS112	0	0	3	0	3	2	1	0	0	0	1	8	0	0	0	5	0	1	0	0	0	1
17	TXNS223	0	8	0	0	5	3	2	0	0	0	2	0	0	0	0	0	0	0	3	0	0	0
18	TXNS278	0	0	0	0	0	2	4	0	0	0	1	0	0	0	0	5	0	0	0	0	0	1
	Location means	0	1	0	1	2	3	3	0	2	2	1	2	0	0	0	2	3	5	2	0	2	2

TABLE 19: 1998 Western Regional Potato Variety Trial - FRENCH FRY COLOR (00-4.0(darkest), or reflectance), AND PERCENT SUGAR ENDS

No.	Clone	Field Fry				Fry 45						Fry 40			Reflectance 45			% Sugar Ends							
		CO	ID	OR	Entry	CO	ID		OR		Entry	ID		OR	Entry	ID		OR		Entry					
		SLV	KIM	HRM	Mean	SLV	AB	KIM	HRM	KL	M	Mean	AB	KIM	MAL	HRM	Mean	AB	KIM	HRM	KLM	MAL	Mean		
	E	E	E		E	L	L	L	L		L	L	L	E	L		L	E	L	L	L				
1	R. BURBANK	1.0	1.1	0.7	0.9	2.0	1.2	1.4	1.7	1.5	1.6	2.8	3.0	38	38	30	35	30	59	37	0	0	0	34	23
2	RANGER R.	2.0	0.4	0.7	1.0	3.0	1.5	0.6	1.5	2.0	1.7	2.3	2.1	42	39	32	38	59	17	21	0	10	0	3	16
3	R. NORKOTAH	1.0	0.4	0.7	0.7	1.0	1.4	1.3	1.8	1.5	1.4	3.9	3.6	36	39	29	34	42	17	25	0	3	0	24	16
4	SHEPODY	2.0	0.7	0.0	0.9	4.0	-	-	-	1.5	2.8	-	-	-	45	-	45	-	17	-	0	-	0	-	6
5	AVALANCHE	3.0	1.7	0.8	1.8	4.0	2.2	2.0	2.0	3.5	2.7	3.2	3.1	29	38	27	32	59	0	9	0	25	0	28	17
6	A88338-1	-	1.0	0.4	0.7	-	1.6	1.4	1.5	1.5	1.5	2.7	2.7	38	42	31	37	25	8	17	0	5	0	30	12
7	AC87084-3	2.0	0.8	0.7	1.2	3.0	1.9	1.5	2.3	2.5	2.2	3.3	2.6	34	39	24	32	13	8	8	0	30	0	34	13
8	AC88042-1	1.0	0.5	0.1	0.5	2.0	1.1	0.9	1.3	1.5	1.4	2.4	2.8	35	44	34	38	9	17	9	0	5	0	14	8
9	AC88165-3	2.0	0.9	0.6	1.2	3.0	1.0	0.4	1.4	3.5	1.9	1.5	1.3	44	40	33	39	8	0	0	0	0	0	0	1
10	AO87277-6	-	0.4	0.3	0.3	-	0.7	0.5	0.7	0.5	0.6	2.3	2.2	43	43	39	42	46	0	21	0	0	0	5	10
11	AO89128-4	-	0.2	0.0	0.1	-	0.8	0.8	0.0	1.0	0.7	1.5	2.0	48	53	51	51	30	8	13	0	0	0	1	7
12	CORN-3	2.0	0.7	1.0	1.2	3.0	2.1	1.9	2.0	3.5	2.5	3.3	2.9	38	36	27	34	46	25	25	0	13	0	24	19
13	CORN-8	1.0	0.7	0.7	0.8	3.0	1.8	1.7	1.9	4.5	2.6	3.1	3.3	36	39	28	34	50	25	17	0	5	0	29	18
14	NDD840-1	-	-	-	-	-	1.6	1.3	1.8	3.0	1.9	3.0	2.8	40	-	29	34	25	-	33	-	20	0	14	18
15	TX1385-12RU	0.0	0.4	0.1	0.2	2.0	0.4	0.5	1.8	0.0	0.9	2.3	2.0	42	44	29	39	4	8	4	0	23	0	13	7
16	TXNS112	2.0	0.5	0.7	1.1	3.0	1.8	1.2	1.8	4.0	2.4	3.3	3.7	37	39	29	35	54	8	29	0	10	0	26	18
17	TXNS223	2.0	0.6	0.7	1.1	3.0	2.3	1.5	1.8	3.5	2.4	3.2	3.2	35	39	29	34	63	8	42	0	3	0	28	20
18	TXNS278	3.0	0.6	0.8	1.5	3.0	1.5	1.5	2.2	4.5	2.5	3.6	3.2	37	38	25	33	67	42	46	0	5	0	25	26
	Location Means	1.7	0.7	0.5	0.9	2.8	1.5	1.2	1.6	2.4	1.9	2.8	2.7	38	41	31	37	37	16	21	0	9	0	19	14

TABLE 20: 1998 Western Regional Potato Variety Trial - SOLIDS, DEXTROSE, SUCROSE, PROTEIN, VITAMIN C, AND GLYCOALKALOIDS - ABERDEEN

No.	Clone	Solids	Sugars		Protein (%DWB)	Vitamin C (mg/100g FWB)	Glycoalkaloids ¹ (mg/100gFWB)
		Oven Dry (%)	Dextrose (%DWB)	Sucrose (%DWB)			
1	R. BURBANK	21.2	0.10	0.17	5.2	21.9	7.7
2	RANGER R.	23.3	0.12	0.20	5.4	33.8	5.8
3	R. NORKOTAH	20.1	0.13	0.13	5.3	23.1	4.0
5	AVALANCHE	20.3	0.21	0.22	5.4	26.4	3.2
6	A88338-1	21.3	0.14	0.17	5.9	21.3	6.0
7	AC87084-3	22.5	0.13	0.20	5.2	25.5	6.0
8	AC88042-1	20.7	0.09	0.14	6.5	23.1	8.3
9	AC88165-3	23.1	0.11	0.16	5.0	30.8	10.3
10	AO87277-6	23.2	0.05	0.18	6.0	30.5	8.2
11	AO89128-4	24.4	0.05	0.23	7.5	21.6	5.1
12	CORN-3	20.4	0.20	0.20	5.4	19.9	3.8
13	CORN-8	20.8	0.17	0.16	5.1	22.0	5.5
14	NDD840-1	22.7	0.21	0.17	5.8	23.6	8.8
15	TX1385-12RU	20.7	0.04	0.13	6.2	19.2	6.0
16	TXNS112	20.5	0.17	0.16	5.1	22.6	4.4
17	TXNS223	19.8	0.17	0.13	5.4	21.9	3.8
18	TXNS278	20.5	0.14	0.14	5.2	24.3	4.5
	Means	21.5	0.13	0.17	5.6	24.2	6.0

¹Glycoalkaloids: The 1998 Lenape check from Aberdeen was 29.5 mg/100g

TABLE 21: 1998 Western Regional Potato Variety Trial - DISEASE EVALUATION AND METRIBUZIN REACTION

No	Clone	Verticillium Wilt		Early Blight AB ¹	Common Scab AB ¹	Late Blight		PVY Foliar Symptom HRM ²	Fusarium Dry Rot AB ¹	Erwinia Soft Rot AB ¹	Metribuzin Reaction AB ⁴
		AB ¹	HRM ²			Foliar AUDPC	Tuber % by Wt. Mt. Vernon ³				
1	R. BURBANK	S	S	S	VR	4592	0.1	MS	S	S	R
2	RANGER R.	MR	S	MS	S	5178	0.1	VR	MS	S	R
3	R. NORKOTAH	VS	VS	VS	R	4839	2.8	MR	MR	S	MR
4	SHEPODY	S	-	VS	S	4575	0.0	-	MS	S	VS
5	AVALANCHE	MR	MR	S	MR	3960	0.0	VR	S	S	VS
6	A88338-1	R	R	MR	VR	3990	0.0	R	S	MR	MR
7	AC87084-3	MR	R	MS	R	3611	0.0	MR	S	MS	VS
8	AC88042-1	S	MS	VS	R	4970	0.0	R	S	S	MS
9	AC88165-3	S	S	S	R	5041	7.3	MR	S	S	MR
10	AO87277-6	S	MS	S	MS	4977	0.4	R	S	VS	MS
11	AO89128-4	R	MS	MS	MR	5404	0.5	MS	S	S	VR
12	CORN-3	S	MS	S	VR	3402	0.2	MS	MR	S	R
13	CORN-8	S	S	VS	VR	4253	0.2	MS	MR	S	R
14	NDD840-1	MR	-	S	VR	4134	0.0	-	S	S	VR
15	TX1385-12RU	S	MS	VS	R	4973	1.0	MS	S	S	VR
16	TXNS112	S	S	VS	R	4678	0.0	MR	MR	S	R
17	TXNS223	S	S	VS	R	4541	0.0	MR	MR	S	R
18	TXNS278	S	S	VS	VR	4612	0.0	MS	MR	S	R

- 1 Evaluations made at Aberdeen, Idaho by Dennis Corsini.
- 2 Evaluations made at Hermiston, Oregon by Dan Hane.
- 3 Evaluations made at Mt. Vernon, Washington by Debbie Inglis.
- 4 Evaluations made at Aberdeen, Idaho by Steve Love.

TABLE 22: 1998 Western Regional Potato Variety Trial - MERIT SCORES (1-5(best))

No. Clone	Process						Fresh								
	CO	ID		OR		Entry Mean	CA		CO	ID		OR		Entry Mean	
	SLV	AB	KIM	HRM	HRM		KRN	TUL	SLV	AB	KIM		HRM		HRM
	L	L	L	E	L	E	L	L	L	L	E	L	E	L	
1 R. BURBANK	3.0	2.5	3.1	1.0	1.0	2.1	1.0	3.0	3.0	2.0	2.3	1.8	1.0	1.0	1.9
2 RANGER R.	2.0	4.3	4.2	5.0	2.0	3.5	2.0	2.0	4.0	3.0	3.0	3.8	4.5	1.0	2.9
3 R. NORKOTAH	3.0	1.4	1.4	2.0	1.0	1.8	3.0	4.8	3.0	1.8	3.3	3.3	2.0	4.0	3.2
4 SHEPODY	2.0	-	-	4.5	-	3.3	-	-	4.0	-	2.8	-	1.0	-	2.6
5 AVALANCHE	1.0	1.9	1.8	1.0	1.0	1.3	-	3.9	5.0	2.8	3.0	3.0	1.0	1.0	2.8
6 A88338-1	-	4.5	3.8	3.5	3.0	3.7	2.0	2.2	-	2.8	3.5	2.0	3.0	2.0	2.5
7 AC87084-3	3.0	2.5	2.9	2.0	-	2.6	4.0	2.7	5.0	3.3	3.5	3.3	2.0	-	3.4
8 AC88042-1	3.0	3.1	3.1	3.0	-	3.1	2.0	3.8	3.0	2.5	2.3	3.0	2.0	-	2.7
9 AC88165-3	2.0	3.2	3.0	3.0	1.0	2.4	2.0	2.2	4.0	3.3	2.5	3.0	3.0	1.0	2.6
10 AO87277-6	-	4.5	4.3	4.5	3.5	4.2	3.0	2.2	-	3.3	3.8	3.0	4.0	2.0	3.0
11 AO89128-4	-	4.3	4.0	3.0	1.0	3.1	3.0	3.8	-	2.3	2.8	2.8	2.5	1.0	2.6
12 CORN-3	3.0	2.3	2.0	2.5	1.0	2.2	2.0	3.2	5.0	3.3	2.5	3.0	5.0	3.0	3.4
13 CORN-8	2.0	2.1	1.9	2.5	1.0	1.9	3.0	3.2	4.0	3.3	3.0	3.3	5.0	4.5	3.7
14 NDD840-1	-	3.3	3.3	-	1.0	2.5	-	2.1	-	3.0		3.3	-	1.0	2.4
15 TX1385-12RU	4.0	3.1	3.3	1.0	1.0	2.5	2.0	2.0	4.0	2.3	2.0	1.8	1.0	1.0	2.0
16 TXNS112	3.0	2.3	1.9	2.5	1.0	2.1	2.0	2.0	5.0	4.0	3.8	3.3	5.0	4.5	3.7
17 TXNS223	3.0	2.8	1.8	2.5	1.0	2.2	3.0	3.1	5.0	3.3	3.3	2.8	5.0	4.5	3.8
18 TXNS278	1.0	2.5	1.6	2.5	1.0	1.7	2.0	4.0	5.0	3.8	3.5	3.8	5.0	3.5	3.8
Location Means	2.5	3.0	2.8	2.7	1.4	2.6	2.4	3.0	4.2	2.9	3.0	3.0	3.1	2.3	2.9

TABLE 23: 1998 Western Regional Potato Variety Trial - SUMMARY

No. Clone	FIELD DATA				YIELD					TUBER DESCRIPTION					INTERNAL DEFECTS					FRY QUALITIES				MERIT		
	% STND	% DEAD	VINE SIZE	VINE MAT.	TOT YLD	LATE HARVEST				S.G.	SIZE	SHAPE	GRTH CRCK	SHTR BRS	SCAB	KNOB	0- 5(best)			% VD	FLD	45F	40F	% SE	PROC	FRSH
						% #1's	% > 10/12	% CUL	% < 4								HH	BS	IBS							
1 R. BURBANK	97	58	3.9	3.2	480	56	10	29	17	77	5.7	4.2	3.4	4.5	4.9	3.7	11	4.1	5	0	0.9	1.6	2.9	23	2.1	1.9
2 RANGER R.	97	50	3.5	3.6	495	76	23	17	8	84	6.9	4.5	4.6	4.8	4.9	4.6	1	4.1	0	1	1.0	1.7	2.2	16	3.5	2.9
3 R. NORKOTAH	98	75	2.3	1.9	370	75	16	6	19	71	5.3	4.0	4.9	4.7	5.0	4.8	4	4.2	1	0	0.7	1.4	3.8	16	1.8	3.2
4 SHEPODY	96	35	3.3	2.9	414	81	29	6	9	77	6.3	3.7	4.8	5.0	4.0	4.8	1	4.9	0	2	0.9	2.8	-	6	3.3	2.6
5 AVALANCHE	97	46	4.1	3.7	643	78	17	11	12	74	5.6	2.3	4.9	4.7	4.2	4.6	0	4.6	8	3	1.8	2.7	3.2	17	1.3	2.8
6 A88338-1	95	44	3.7	4.3	532	73	29	22	7	75	8.3	3.8	4.6	4.5	4.9	4.6	5	4.6	0	2	0.7	1.5	2.7	12	3.7	2.5
7 AC87084-3	94	49	4.1	3.8	409	83	28	5	10	83	6.0	2.9	4.6	4.2	4.9	5.0	12	3.7	6	1	1.2	2.2	3.0	13	2.6	3.4
8 AC88042-1	93	69	3.4	2.8	442	69	8	8	23	76	4.1	3.7	5.0	4.8	5.0	5.0	0	4.3	0	4	0.5	1.4	2.6	8	3.1	2.7
9 AC88165-3	98	53	3.6	3.2	471	70	9	10	20	85	4.6	3.5	4.6	4.6	4.8	4.7	0	4.1	1	2	1.2	1.9	1.4	1	2.4	2.6
10 AO87277-6	95	58	3.6	3.0	482	78	13	11	12	85	6.0	3.9	4.9	4.5	4.8	5.0	1	4.3	1	1	0.3	0.6	2.3	10	4.2	3.0
11 AO89128-4	95	58	4.0	3.3	438	65	8	15	21	87	4.5	3.9	4.6	4.3	4.8	5.0	5	4.5	0	1	0.1	0.7	1.8	7	3.1	2.6
12 CORN-3	94	57	3.4	3.3	466	77	32	17	8	73	7.9	3.9	4.7	4.7	5.0	4.5	11	4.3	1	2	1.2	2.5	3.1	19	2.2	3.4
13 CORN-8	93	64	3.0	2.8	365	77	30	11	11	70	7.0	4.0	4.8	4.7	4.9	4.7	8	4.3	0	1	0.8	2.6	3.2	18	1.9	3.7
14 NDD840-1	92	99	3.8	3.8	384	77	14	8	15	78	5.8	3.4	4.7	3.7	5.0	5.0	5	3.7	2	1	-	1.9	2.9	18	2.5	2.4
15 TX1385-12RU	92	62	3.2	2.9	500	80	38	14	7	76	7.7	2.8	4.8	4.0	4.9	4.9	6	4.1	0	0	0.2	0.9	2.2	7	2.5	2.0
16 TXNS112	95	68	2.9	2.5	406	77	28	11	12	69	7.2	3.8	4.7	4.8	4.9	4.2	5	4.3	1	1	1.1	2.4	3.5	18	2.1	3.7
17 TXNS223	95	70	2.9	2.5	399	76	27	14	11	70	6.8	4.1	4.8	4.8	4.9	4.6	9	4.3	0	2	1.1	2.4	3.2	20	2.2	3.8
18 TXNS278	94	69	3.1	2.7	406	78	31	12	10	70	7.1	3.8	4.8	4.7	5.0	4.8	8	4.3	1	1	1.5	2.5	3.4	26	1.7	3.8
Means	95	60	3.4	3.1	450	75	22	13	13	77	6.3	3.7	4.7	4.5	4.8	4.7	5	4.3	2	1	0.9	1.9	2.8	14	2.6	2.9