

# 2007 Southwestern Regional Potato Variety Trial Report



1997 - Ten Years of Collaboration - 2007

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**Description of Clones - 2007 Southwestern Regional Trial**

Entry #	Clone/Cultivar	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Entered By	Use	Source	2008 Status <sup>1</sup>
		Female	Male									
<b>Specialty Trial</b>												
1	All Blue	Unknown	Unknown	Blue	Large	Medium	Oblong	Purple	Check	Spec	CO	***
2	Yukon Gold	Norgleam	W5279-4	Pink	Medium	Early	Oval	White	Check	Spec	CO	***
3	AC99329-7PW/Y	Inca Gold	A91846-5R	Purple	Large-V Lg	Medium	Round	P/W	CO	Spec/Fry	CO	1
4	AC99330-1P/Y	Inca Gold	A89655-5DY	Blue	Large	Early	Round	Purple	CO	Spec	CO	1
5	ATTX98500-3P/Y	P94A2-4Y	Granola	Purple	Large	Late	Oblong	Purple	TX	Spec	CO	1
6	CO99045-1W/Y	Rio Grande Russet	German Butterball	White	Large	Medium	Long	White	CO	Spec	CO	1
7	CO99338-3RU/Y	Russet Nugget	Crispin	White	Medium	Early	Round	Russet	CO	Spec/Fry	CO	1
<b>Russet Trial</b>												
8	Russet Norkotah	ND9687-5RU	ND9526-4RU	White	Small	Early	Long	Russet	Check	Fresh	CO/TX for CA	***
9	Russet Norkotah-S3	ND9687-5RU	ND9526-4RU	White	Med-Large	Medium	Long	Russet	Check	Fresh	CO	***
10	Russet Norkotah 278	ND9687-5RU	ND9526-4RU	White	Med-Large	Early	Long	Russet	Check	Fresh	TX	***
11	AOTX96265-2RU	A90621-4	A84180-8	White	Large	Late	Oblong	Russet	TX	Fresh	CO	1
12	AOTX98137-1RU	A8670-7	A93310-1	White	Med-Large	Early	Oblong	Russet	TX	Fresh	CO	3
13	ATX97147-4RU	A79180-10	A88236-6	White	Medium	Early-Med	Long	Russet	TX	Fresh	CO	2
14	ATX97232-1RU	A79180-10	A88236-6	White	Medium	Early-Med	Oblong	Russet	TX	Fresh	CO	1
15	CO98067-7RU	Silverton Russet	TC1675-1	White	Medium	Early-Med	Long	Russet	CO	Dual	CO	1
16	CO98368-2RU	Russet Nugget	Bannock Russet	Purple	Medium	Early-Med	Oblong	Russet	CO	Fresh	CO	1
<b>Red Trial</b>												
17	Norland (Dark Red)	RedKote	ND626	Red-Purple	Small	Early	Oval	Red	Check	Fresh	CO	***
18	Red LaSoda	Triumph	Katahdin	Red-Purple	Medium	Med	Oval	Red	Check	Fresh	CO/TX OWN	***
19	ATTX98453-6R	A93490-1R	A91846-5R	Lavender	Small-Med	Early-Med	Oblong	Red	TX	Fresh	CO	2
20	CO99076-6R	AC91848-1	Rio Colorado	Red-Purple	Medium	Early	Round	Red	CO	Fresh	CO	1
21	CO99256-2R	Rio Colorado	Colorado Rose	Purple	Large	Medium	Oval	Red	CO	Fresh	CO	1
22	CO99256-3R	Rio Colorado	Colorado Rose	Purple	Medium	Early	Oval	Red	CO	Fresh	CO	1
23	COTX94218-1R	Red Ruby	Red Gold	Lavender	Large	Medium	Round	Red	TX	Fresh	CO	2
24	COTX00104-7R	ND3574-5R	CO86218-2	Lavender	Medium	Medium	Oblong	Red	TX	Fresh	CO	2
25	NDTX4784-7R	ND3574-5R	ND2050-1R	Lavender	Medium	Med-Late	Round	Red	TX	Fresh	CO	2
<b>Chip Trial</b>												
26	Atlantic	Wauseon	B5141-6	Red-Purple	Medium	Medium	Round	Buff	Check	Chip	CO	***
27	Chipeta	WNC612-13	Wischip	Purple	Large	Med-Late	Oval	White	Check	Chip	CO	***
28	AC99213-8W	A900467-14	NDA5698-8	White	Large	Medium	Round	White	CO	Chip	CO	1
29	TX1475-3W	TX1229-6W	AC80545-1	Lavender	Med-Large	Early-Med	Oblong	White	TX	Chip	CO	2

<sup>1</sup>years in trial

**Table 1. Locations, Cooperators, and Cultural Information**

Locations	Cooperators	Irrigation	Trial	Fertilization (lb/A)	Harvest method	Dates			Days to Vine Kill
						Plant	Vine Kill	Harvest	
1. Kern Co. California (KRN)	J. Nunez	Sprinkler	Specialty	178-147-144-25	Machine/Hand	2/21/07	6/1/07	6/12/07	100
			Russet	178-147-144-25	Machine/Hand	2/21/07	6/1/07	6/12/07	100
			Red	178-147-144-25	Machine/Hand	2/21/07	6/1/07	6/12/07	100
			Chip	178-147-144-25	Machine/Hand	2/21/07	6/1/07	6/12/07	100
2. Tulelake California (TUL)	H. Carlson D. Kirby	Solid-set sprinkler	Specialty		Machine	5/14/07	9/10/07	10/4/07	119
			Russet		Machine	5/15/07	9/10/07	10/8/07	118
			Red		Machine	5/14/07	9/10/07	10/4/07	119
			Chip		Machine	5/15/07	9/10/07	10/2/07	118
3. San Luis Valley Colorado (SLV)	D. Holm F. Goktepe	Pivot	Specialty	All trials the same	Machine	5/10/07	8/31/07	9/25/07	113
			Russet	120 lbs N + 60 lbs P2O5 +	Machine	5/10/07	8/31/07	9/25/07	113
			Red	40 lbs K20 +25lbs S +	Machine	5/10/07	8/31/07	9/25/07	113
			Chip	2.5 lb Zn/A	Machine	5/10/07	8/31/07	9/25/07	113
4. Springlake Texas (SPR )	C. Miller, J. Koym D. Scheuring	Pivot	Specialty	126-0-17	Machine/Hand	4/1/07	7/11/07	7/24/07	101
			Russet	200-0-17	Machine/Hand	4/1/07	7/31/07	8/6/07	121
			Red	126-0-17	Machine/Hand	4/1/07	7/11/07	7/24/07	101
5. Dalhart Texas (DAL)	C. Miller, J. Koym D. Scheuring	Pivot	Chip	150-200-100-3	Machine/Hand	4/17/07	8/6/07	9/17/07	111

**Table 2. Plot Information, Soil Type, Fungicides, and Insecticides**

Item	California		Colorado	Texas	
	KRN	TUL	SLV	SPR	DAL
<b>Plot Information:</b>					
Row/plot	1	2	1	2	2
Length of plot (ft)	20'	*	25'	10' 5"	10'
Hill spacing (in)	9"	**	12"	9"	12"
Row spacing (in)	32"	36"	34"	36"	30"
Hills/plot	27	***	25"	14	10
Number of reps	4	4	4	4	4
<b>Soil Type:</b>					
Fine sand					
Fine sandy loam				X	X
Loamy fine sand					
Sandy loam	X		X		
Silt loam					
Organic - 8%					
Mucky silty clay loam		X			
<b>Fungicides:</b>					
Bravo WS	X		X		
Dithane F-45	X				
Maxim		X			
Quadris			X	X	
Tops MZ Gaucho				X	X
<b>Insecticides:</b>					
Actara			X		
Admire	X				
Dimethoate				X	
Leverage 2.7			X		
Oberon				X	
Venom				X	X
Baythroid	X				
Asana	X				

\* Spec 23.5ft Russ 24ft Red 23.5ft Chip 24ft

\*\* Spec 9" Russ 11" Red 9" Chip 9"

\*\*\* Spec 62 Russ 52 Red 62 Chip 62

**Table 3. Herbicides, Fumigants, Vine Killing, Environmental Factors, and Comments**

Item	California		Colorado	Texas	
	KRN	TUL	SLV	SPR	DAL
<b>Herbicides:</b>					
Chateaux					X
Dual Magnum			X	X	X
Eptam	X				
Intensity					X
Matrix		X		X	X
Prowl	X				
Roundup				X	
Select				X	X
Sencor DF		X			X
<b>Vine Killing:</b>					
Diquat					
Sulfuric Acid			X		
Mechanical	X			X	X
<b>Environmental Factors:</b>					
Cool/Wet Spring	X	X		X	
Cool and Dry Summer					
Severe Frost					
Favorable					
Hot Summer	X				
Above Av. Prec.					
<b>Comments:</b>					
Heavy Psyllid Pressure					
Poor Vine Kill					
Virus					
Dry/Cloddy Harv					
Wet Harvest					

Table 4. Percent Stand and Stems/Hill for Clones in the Southwestern Regional Trial, 2007

Clone / Variety	Percent Stand					Stems per Hill			
	California		Colorado <sup>3</sup>	Texas		Colorado	Texas		Mean
	KRN <sup>1</sup>	TUL <sup>2</sup>	SLV	SPR <sup>4</sup>	DAL <sup>5</sup>	SLV	SPR	DAL	
<b>Specialty Trial</b>									
1 All Blue	100	99	100	100		5.2	3.0		4.1
2 Yukon Gold	98	84	98	90		3.8	2.2		3.0
3 AC99329-7PW/Y	100	89	99	84		4.6	1.8		3.2
4 AC99330-1P/Y	100	95	99	98		5.0	2.2		3.6
5 ATTX98500-3P/Y	100	83	96	96		4.0	2.9		3.5
6 CO99045-1W/Y	100	94	100	100		4.1	3.2		3.7
7 CO99338-3RU/Y	100	91	99	95		4.7	2.4		3.6
<b>Russet Trial</b>									
8 Russet Norkotah	100	95	100	98		4.6	2.3		3.5
9 Russet Norkotah-S3	100	98	99	95		4.5	2.1		3.3
10 Russet Norkotah 278	98	96	99	98		4.1	2.1		3.1
11 AOTX96265-2RU	96		100	98		4.1	1.7		2.9
12 AOTX98137-1RU	100		100	92		3.9	2.0		3.0
13 ATX97147-4RU	100		98	98		3.5	1.9		2.7
14 ATX97232-1RU	100	96	98	98		4.2	2.3		3.3
15 CO98067-7RU	100	95	99	100		3.6	1.9		2.8
16 CO98368-2RU	98	78	99	98		4.2	2.3		3.3
<b>Red Trial</b>									
17 Norland (Dark Red)	99	94	100	96		4.2	3.0		3.6
18 Red LaSoda	99	88	98	100		4.7	3.6		4.2
19 ATTX98453-6R	97	93	100	98		2.7	2.2		2.5
20 CO99076-6R	100	71	99	97		4.8	3.5		4.2
21 CO99256-2R	100	91	99	96		4.1	2.8		3.5
22 CO99256-3R	99	79	99	100		4.4	2.5		3.5
23 COTX94218-1R	100	98	99	100		5.5	3.3		4.4
24 COTX00104-7R	100	84	95	90		3.5	3.6		3.6
25 NDTX4784-7R	100	89	94	95		3.3	2.2		2.8
<b>Chip Trial</b>									
26 Atlantic	95	85	99		96	4.9		2.5	3.7
27 Chipeta	100	91	100		98	4.3		2.5	3.4
28 AC99213-8W	100	87	100		100	6.0		3.7	4.9
29 TX1475-3W			97		96	4.1		2.4	3.3
Mean	99	90	99	96	98	4.3	2.5	2.8	3.4

<sup>1</sup>36 DAP

<sup>2</sup>37DAP

<sup>3</sup>49 DAP

<sup>4</sup>60 DAP

<sup>5</sup>60 DAP

**Table 5. Vine Size and Maturity for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	Vine Size (1-5=largest)				Vine Maturity (1-5=latest)				
	Colorado	Texas		Mean	California	Colorado	Texas		Mean
	SLV	SPR	DAL		TUL	SLV	SPR	DAL	
<b>Specialty Trial</b>									
1 All Blue	4.8	4.7		4.7	2.5	3.0	5.0		3.5
2 Yukon Gold	3.0	3.7		3.4	1.0	1.3	3.1		1.8
3 AC99329-7PW/Y	4.3	4.0		4.1	3.5	2.8	4.3		3.5
4 AC99330-1P/Y	3.5	4.2		3.9	1.0	3.0	4.7		2.9
5 ATTX98500-3P/Y	3.8	4.4		4.1	3.3	3.0	4.3		3.5
6 CO99045-1W/Y	4.0	4.5		4.3	2.0	3.3	4.4		3.2
7 CO99338-3RU/Y	2.8	3.6		3.2	1.0	1.5	2.6		1.7
<b>Russet Trial</b>									
8 Russet Norkotah	2.8	3.9		3.3	1.0	1.0	2.9		1.6
9 Russet Norkotah-S3	4.3	4.5		4.4	2.5	3.0	4.7		3.4
10 Russet Norkotah 278	3.3	4.6		3.9	1.0	1.8	3.9		2.2
11 AOTX96265-2RU	3.5	4.4		3.9		3.0	4.2		3.6
12 AOTX98137-1RU	2.3	3.3		2.8		1.0	2.4		1.7
13 ATX97147-4RU	4.0	4.5		4.2		3.0	4.7		3.9
14 ATX97232-1RU	2.8	4.2		3.5	2.0	2.0	3.7		2.6
15 CO98067-7RU	3.0	4.5		3.7	1.3	2.0	2.7		2.0
16 CO98368-2RU	3.0	3.3		3.2	1.5	1.8	3.7		2.3
<b>Red Trial</b>									
17 Norland (Dark Red)	2.5	3.3		2.9	1.8	1.8	2.0		1.9
18 Red LaSoda	3.8	4.7		4.2	1.5	2.0	4.0		2.5
19 ATTX98453-6R	1.8	3.4		2.6	1.3	1.3	3.5		2.0
20 CO99076-6R	3.3	3.5		3.4	1.3	1.0	2.9		1.7
21 CO99256-2R	3.8	3.7		3.7	2.8	2.5	3.6		3.0
22 CO99256-3R	3.0	4.2		3.6	1.0	1.5	4.1		2.2
23 COTX94218-1R	3.8	4.3		4.0	3.3	3.3	5.0		3.9
24 COTX00104-7R	2.8	3.6		3.2	2.8	2.0	3.4		2.7
25 NDTX4784-7R	2.5	3.6		3.0	1.0	1.3	3.1		1.8
<b>Chip Trial</b>									
26 Atlantic	3.0		4.0	3.5	1.3	3.0		3.6	2.6
27 Chipeta	4.5		4.9	4.7	3.8	3.3		4.9	4.0
28 AC99213-8W	4.3		4.5	4.4	4.0	3.0		4.5	3.8
29 TX1475-3W	3.0		3.2	3.1		1.8		2.9	2.3
Mean	3.3	4.0	4.2	3.7	2.0	2.2	3.7	4.0	2.7



Table 6. Total Yield, Yield Rank Within Type (Specialty, Russet, Red, Chipping), and Merit Score<sup>1</sup> (MS), for Clones in the Southwestern Regional Trial, 2007

Clone / Variety	California				Colorado			Texas						Mean		
	KRN		TUL		SLV			SPR			DAL			Cwt/A	Rank	MS
	Cwt/A	Rank	Cwt/A	Rank	Cwt/A	Rank	MS	Cwt/A	Rank	MS	Cwt/A	Rank	MS			
<b>Specialty Trial</b>																
1 All Blue	342	4	424	1	464	4	2.0	279	5	2.0				377	2	2.0
2 Yukon Gold	380	2	350	5	379	6	3.0	379	1	3.9				372	4	3.5
3 AC99329-7PW/Y	373	3	360	4	463	5	3.0	301	3	2.6				375	3	2.8
4 AC99330-1P/Y	243	7	256	7	490	2	3.0	288	4	2.5				319	6	2.8
5 ATTX98500-3P/Y	266	6	417	2	488	3	4.0	248	7	2.9				355	5	3.5
6 CO99045-1W/Y	420	1	373	3	544	1	5.0	374	2	3.5				428	1	4.3
7 CO99338-3RU/Y	302	5	349	6	357	7	1.0	259	6	3.2				317	7	2.1
<b>Russet Trial</b>																
8 Russet Norkotah	282	6	286	4	365	6	2.0	493	4	3.9				357	7	3.0
9 Russet Norkotah-S3	338	3	363	1	498	1	5.0	577	1	3.6				444	1	4.3
10 Russet Norkotah 278	233	9	331	3	406	3	3.0	522	2	4.1				373	5	3.6
11 AOTX96265-2RU	333	4			374	5	4.0	496	3	4.1				401	3	4.1
12 AOTX98137-1RU	244	8			317	9	1.0	390	8	4.1				317	8	2.6
13 ATX97147-4RU	409	1			463	2	5.0	439	7	2.5				437	2	3.8
14 ATX97232-1RU	366	2	280	5	335	8	1.0	485	5	3.4				383	4	2.2
15 CO98067-7RU	322	5	337	2	403	4	3.0	467	6	3.5				369	6	3.2
16 CO98368-2RU	251	7	273	6	351	7	2.0	373	9	3.4				299	9	2.7
<b>Red Trial</b>																
17 Norland (Dark Red)	329	6	472	1	434	4	3.0	342	2	3.3				394	2	3.2
18 Red LaSoda	427	1	425	3	533	1	1.0	444	1	3.6				457	1	2.3
19 ATTX98453-6R	233	9	414	5	358	9	1.0	321	4	3.9				332	8	2.5
20 CO99076-6R	339	4	329	9	393	7	2.0	294	5	3.6				339	7	2.8
21 CO99256-2R	343	3	384	7	422	5	3.0	324	3	2.9				368	4	3.0
22 CO99256-3R	276	7	358	8	404	6	2.0	182	9	2.3				305	9	2.1
23 COTX94218-1R	270	8	420	4	435	3	3.0	275	7	3.5				350	6	3.3
24 COTX00104-7R	369	2	471	2	436	2	1.0	227	8	2.8				376	3	1.9
25 NDTX4784-7R	335	5	406	6	384	8	1.0	291	6	3.4				354	5	2.2
<b>Chip Trial</b>																
26 Atlantic	407	2	367	3	425	3	1.0				488	1	3.9	422	2	2.5
27 Chipeta	444	1	430	1	521	1	4.0				341	4	3.6	434	1	3.8
28 AC99213-8W	318	3	402	2	455	2	3.0				459	2	3.6	408	4	3.3
29 TX1475-3W					394	4	1.0				433	3	3.7	413	3	2.3
Mean	328		371		424		2.5	363		3.3	430		3.7	375		2.94

<sup>1</sup> 1-5=excellent

**Table 7. Yield and Percent of U.S. No. 1's (>4oz.) and Yield Rank Within Type (Specialty, Russet, Chipping) for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California						Colorado			Texas						Mean		
	KRN			TUL			SLV			SPR			DAL			Mean		
	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%
<b>Specialty Trial</b>																		
1 All Blue	166	5	49	233	4	55	217	6	47	143	6	51				190	5	50
2 Yukon Gold	346	1	91	288	1	82	326	4	86	338	1	89				324	1	87
3 AC99329-7PW/Y	316	2	85	260	3	72	349	3	75	248	3	82				293	3	78
4 AC99330-1P/Y	126	7	52	59	7	23	290	5	59	129	7	45				151	7	47
5 ATTX98500-3P/Y	157	6	59	283	2	68	352	2	72	208	4	84				250	4	70
6 CO99045-1W/Y	298	3	71	219	5	59	462	1	85	303	2	81				320	2	75
7 CO99338-3RU/Y	202	4	67	189	6	54	196	7	55	165	5	64				188	6	59
<b>Russet Trial</b>																		
8 Russet Norkotah	222	5	79	224	4	78	313	6	86	413	4	84				293	6	82
9 Russet Norkotah-S3	265	4	78	316	1	87	461	1	93	481	1	83				381	1	86
10 Russet Norkotah 278	170	8	73	278	2	84	366	3	90	424	3	81				310	4	83
11 AOTX96265-2RU	295	2	89				354	4	95	428	2	86				359	2	90
12 AOTX98137-1RU	176	7	72				276	7	87	336	8	86				262	8	83
13 ATX97147-4RU	304	1	74				417	2	90	355	7	81				358	3	82
14 ATX97232-1RU	285	3	78	172	6	62	232	9	58	376	5	77				266	7	69
15 CO98067-7RU	217	6	68	270	3	80	337	5	96	361	6	77				296	5	80
16 CO98368-2RU	145	9	58	191	5	70	241	8		323	9	87				225	9	75
<b>Red Trial</b>																		
17 Norland (Dark Red)	294	4	90	401	2	85	337	2	78	282	2	83				329	2	83
18 Red LaSoda	388	1	91	372	3	88	449	1	84	383	1	86				398	1	87
19 ATTX98453-6R	160	7	69	351	4	85	284	7	79	271	3	84				266	6	80
20 CO99076-6R	299	3	88	261	7	79	289	6	74	230	5	78				270	5	80
21 CO99256-2R	229	6	67	245	8	64	235	8	56	214	6	66				231	7	63
22 CO99256-3R	128	9	46	235	9	66	211	9	52	101	9	55				169	9	55
23 COTX94218-1R	148	8	55	274	6	65	291	5	67	106	8	38				205	8	58
24 COTX00104-7R	313	2	85	409	1	87	335	3	77	190	7	84				312	3	83
25 NDTX4784-7R	276	5	82	343	5	84	295	4	77	238	4	82				288	4	81
<b>Chip Trial</b>																		
26 Atlantic	372	2	91	278	3	76	349	2	82				324	1	66	331	2	78
27 Chipeta	404	1	91	390	1	91	467	1	90				176	4	52	359	1	83
28 AC99213-8W	240	3	76	318	2	79	338	3	74				273	3	60	292	4	72
29 TX1475-3W							329	4	84				286	2	66	308	3	74
Mean	248		74	274		73	324		77	282		76	265		61	284		75

**Table 8. Yield and Percent of U.S. No. 1's (>10oz.) for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California				Colorado		Texas				Mean	
	KRN <sup>1</sup>		TUL <sup>1</sup>		SLV		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>												
1 All Blue	0	0	16	4	8	2	12	4			9	2
2 Yukon Gold	35	9	85	24	89	23	129	34			85	23
3 AC99329-7PW/Y	11	3	64	18	43	9	62	20			45	13
4 AC99330-1P/Y	0	0	0	0	11	2	4	2			4	1
5 ATTX98500-3P/Y	0	0	36	9	73	15	48	19			39	11
6 CO99045-1W/Y	11	3	18	5	97	18	49	13			44	10
7 CO99338-3RU/Y	0	0	14	4	7	2	16	6			9	3
<b>Russet Trial</b>												
8 Russet Norkotah	0	0	35	12	83	23	120	24			60	15
9 Russet Norkotah-S3	20	6	96	26	211	42	148	26			119	25
10 Russet Norkotah 278	0	0	57	17	181	45	204	39			111	25
11 AOTX96265-2RU	0	0			141	38	121	24			87	21
12 AOTX98137-1RU	0	0			56	18	82	21			46	13
13 ATX97147-4RU	9	2			130	28	136	31			92	20
14 ATX97232-1RU	0	0	4	1	13	3	115	24			33	7
15 CO98067-7RU	0	0	36	11	54	15	63	14			38	10
16 CO98368-2RU	0	0	10	4	10		74	20			24	8
<b>Red Trial</b>												
17 Norland (Dark Red)	11	3	132	28	75	17	63	18			70	17
18 Red LaSoda	9	2	133	31	112	21	86	19			85	18
19 ATTX98453-6R	0	0	108	26	51	14	69	22			57	15
20 CO99076-6R	0	0	32	10	22	6	48	16			25	8
21 CO99256-2R	0	0	13	3	9	2	0	0			5	1
22 CO99256-3R	0	0	9	3	9	2	9	5			7	2
23 COTX94218-1R	0	0	23	5	51	12	0	0			18	4
24 COTX00104-7R	0	0	214	45	170	39	42	18			106	26
25 NDTX4784-7R	4	1	71	17	38	10	50	17			41	11
<b>Chip Trial</b>												
26 Atlantic	2	0	28	8	88	21			82	17	50	11
27 Chipeta	3	1	134	31	154	30			23	7	79	17
28 AC99213-8W	0	0	71	18	38	8			25	5	33	8
29 TX1475-3W					101	26			95	22	98	24
Mean	4	1	58	14	73	18	70	18	56	13	52	13

<sup>1</sup> > 12 oz on Russets

**Table 9. Yield and Percent of U.S. No. 1's (6 - 10oz.) for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California				Colorado		Texas				Mean	
	KRN <sup>1</sup>		TUL <sup>2</sup>		SLV <sup>3</sup>		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>												
1 All Blue	57	17	105	25	208	45	43	15			103	25
2 Yukon Gold	266	70	134	38	237	63	98	26			184	49
3 AC99329-7PW/Y	222	59	102	28	306	66	84	28			178	45
4 AC99330-1P/Y	37	15	11	4	278	57	26	9			88	21
5 ATTX98500-3P/Y	109	41	133	32	279	57	76	31			149	40
6 CO99045-1W/Y	189	45	99	26	365	67	130	35			196	43
7 CO99338-3RU/Y	109	36	71	20	189	53	41	16			102	31
<b>Russet Trial</b>												
8 Russet Norkotah	177	63	72	25	230	63	195	40			169	48
9 Russet Norkotah-S3	187	55	96	26	250	50	278	48			203	45
10 Russet Norkotah 278	127	55	94	28	185	46	205	39			153	42
11 AOTX96265-2RU	214	64			213	57	222	45			217	55
12 AOTX98137-1RU	139	57			220	69	184	47			181	58
13 ATX97147-4RU	234	57			287	62	151	34			224	51
14 ATX97232-1RU	213	58	31	11	219	65	167	34			157	42
15 CO98067-7RU	158	49	75	22	283	70	176	38			173	45
16 CO98368-2RU	93	37	49	18	232	66	170	46			136	42
<b>Red Trial</b>												
17 Norland (Dark Red)	184	56	181	38	262	60	164	48			198	51
18 Red LaSoda	273	64	172	40	337	63	177	40			240	52
19 ATTX98453-6R	39	17	179	43	234	65	124	39			144	41
20 CO99076-6R	161	48	142	43	267	68	87	29			164	47
21 CO99256-2R	119	35	99	26	226	54	74	23			130	34
22 CO99256-3R	31	11	104	29	202	50	29	16			91	26
23 COTX94218-1R	43	16	129	31	240	55	12	5			106	27
24 COTX00104-7R	208	56	148	31	164	38	70	31			147	39
25 NDTX4784-7R	170	51	191	47	257	67	100	34			179	50
<b>Chip Trial</b>												
26 Atlantic	282	69	147	40	261	61			151	31	210	50
27 Chipeta	303	68	181	42	313	60			62	18	215	47
28 AC99213-8W	110	35	147	36	300	66			80	18	159	39
29 TX1475-3W					228	58			77	18	152	38
<b>Mean</b>	159	47	115	30	251	59	123	32	93	21	164	42

<sup>1</sup> 7-12 oz on Russets

<sup>2</sup> 8-12 oz on Russets

<sup>3</sup> 4-10 oz

**Table 10. Yield and Percent of U.S. No. 1's (4 - 6 oz.) for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California				Texas				Mean	
	KRN <sup>1</sup>		TUL <sup>2</sup>		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>										
1 All Blue	109	32	112	27	88	31			103	30
2 Yukon Gold	45	12	69	20	116	31			76	21
3 AC99329-7PW/Y	83	22	94	26	102	34			93	27
4 AC99330-1P/Y	89	37	48	19	99	34			79	30
5 ATTX98500-3P/Y	48	18	113	27	84	34			82	26
6 CO99045-1W/Y	98	23	102	27	124	33			108	28
7 CO99338-3RU/Y	93	31	104	30	108	42			101	34
<b>Russet Trial</b>										
8 Russet Norkotah	44	16	117	41	97	20			86	25
9 Russet Norkotah-S3	58	17	125	34	59	10			81	21
10 Russet Norkotah 278	43	18	127	38	55	11			75	22
11 AOTX96265-2RU	81	24			92	19			87	21
12 AOTX98137-1RU	37	15			70	18			53	16
13 ATX97147-4RU	61	15			70	16			66	15
14 ATX97232-1RU	72	20	138	49	99	20			103	30
15 CO98067-7RU	59	18	160	48	122	26			114	31
16 CO98368-2RU	52	21	132	48	78	21			87	30
<b>Red Trial</b>										
17 Norland (Dark Red)	99	30	89	19	55	16			81	22
18 Red LaSoda	106	25	68	16	120	27			98	23
19 ATTX98453-6R	121	52	64	15	77	24			87	30
20 CO99076-6R	138	41	87	26	96	33			107	33
21 CO99256-2R	109	32	134	35	139	43			128	37
22 CO99256-3R	97	35	122	34	63	35			94	35
23 COTX94218-1R	105	39	122	29	93	34			107	34
24 COTX00104-7R	105	28	48	10	78	35			77	24
25 NDTX4784-7R	103	31	81	20	88	30			91	27
<b>Chip Trial</b>										
26 Atlantic	88	22	104	28			91	19	96	25
27 Chipeta	97	22	75	18			91	27	86	20
28 AC99213-8W	131	41	100	25			168	37	115	33
29 TX1475-3W							132	31	132	31
<b>Mean</b>	<b>85</b>	<b>26</b>	<b>101</b>	<b>28</b>	<b>91</b>	<b>27</b>	<b>120</b>	<b>28</b>	<b>93</b>	<b>27</b>

<sup>1</sup> 4-7 oz on Russets

<sup>2</sup> 4-8 oz on Russets

**Table 11. Yield and Percent B (<4 oz.) Tubers for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California				Colorado		Texas				Mean	
	KRN		TUL		SLV		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>												
1 All Blue	174	51	161	38	246	53	136	49			179	48
2 Yukon Gold	20	5	58	16	46	12	36	10			40	11
3 AC99329-7PW/Y	49	13	90	25	112	24	54	18			76	20
4 AC99330-1P/Y	112	46	193	75	200	41	158	55			166	54
5 ATTX98500-3P/Y	99	37	95	23	126	26	40	16			90	25
6 CO99045-1W/Y	116	28	130	35	71	13	71	19			97	24
7 CO99338-3RU/Y	98	32	150	43	161	45	94	36			126	39
<b>Russet Trial</b>												
8 Russet Norkotah	58	21	52	18	43	12	76	15			57	17
9 Russet Norkotah-S3	65	19	38	10	23	5	89	15			54	12
10 Russet Norkotah 278	58	25	46	14	22	5	55	10			45	14
11 AOTX96265-2RU	34	10			15	4	61	12			37	9
12 AOTX98137-1RU	67	27			31	10	52	13			50	17
13 ATX97147-4RU	95	23			35	8	75	17			68	16
14 ATX97232-1RU	68	19	95	34	100	30	103	21			92	26
15 CO98067-7RU	98	31	62	18	61	15	105	22			81	22
16 CO98368-2RU	101	40	68	25	106	30	47	13			80	27
<b>Red Trial</b>												
17 Norland (Dark Red)	29	9	56	12	90	21	59	17			59	15
18 Red LaSoda	34	8	32	7	73	14	61	14			50	11
19 ATTX98453-6R	69	30	59	14	72	20	51	16			63	20
20 CO99076-6R	40	12	44	13	90	23	64	22			59	17
21 CO99256-2R	107	31	125	33	186	44	110	34			132	35
22 CO99256-3R	139	50	104	29	184	46	82	45			127	42
23 COTX94218-1R	118	44	120	28	140	32	170	62			137	42
24 COTX00104-7R	38	10	34	7	26	6	36	16			34	10
25 NDTX4784-7R	56	17	53	13	83	22	53	18			61	17
<b>Chip Trial</b>												
26 Atlantic	28	7	86	23	73	17			137	28	81	19
27 Chipeta	37	8	25	6	39	7			141	41	61	16
28 AC99213-8W	72	23	71	18	116	25			169	37	107	26
29 TX1475-3W					58	15			97	22	78	19
Mean	74	24	82	23	91	22	78	23	136	32	82	23

**Table 12. Yield and Percent Culls/No. 2s for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California				Colorado		Texas				Mean	
	KRN		TUL		SLV		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>												
1 All Blue	2	0	29	7	1	0	0	0			8	2
2 Yukon Gold	14	4	4	1	7	2	0	0			6	2
3 AC99329-7PW/Y	9	2	11	3	3	1	0	0			6	1
4 AC99330-1P/Y	5	2	4	1	0	0	0	0			2	1
5 ATTX98500-3P/Y	11	4	40	9	10	2	0	0			15	4
6 CO99045-1W/Y	6	1	23	6	11	2	0	0			10	2
7 CO99338-3RU/Y	2	1	10	3	0	0	0	0			3	1
<b>Russet Trial</b>												
8 Russet Norkotah	2	1	10	4	10	3	5	1			7	2
9 Russet Norkotah-S3	8	2	8	2	13	3	3	1			8	2
10 Russet Norkotah 278	5	2	7	2	18	4	3	0			8	2
11 AOTX96265-2RU	4	1			5	1	0	0			3	1
12 AOTX98137-1RU	2	1			10	3	2	0			5	1
13 ATX97147-4RU	11	3			11	2	7	1			9	2
14 ATX97232-1RU	13	4	12	4	3	1	2	0			7	2
15 CO98067-7RU	6	2	5	1	6	1	2	0			5	1
16 CO98368-2RU	5	2	15	5	4	1	3	1			7	2
<b>Red Trial</b>												
17 Norland (Dark Red)	6	2	15	3	7	2	0	0			7	2
18 Red LaSoda	9	2	21	5	11	2	0	0			10	2
19 ATTX98453-6R	4	2	5	1	2	1	0	0			3	1
20 CO99076-6R	0	0	24	7	14	4	0	0			10	3
21 CO99256-2R	7	2	14	4	1	0	0	0			6	1
22 CO99256-3R	9	3	20	5	9	2	0	0			9	3
23 COTX94218-1R	4	1	26	6	5	1	0	0			9	2
24 COTX00104-7R	18	5	28	6	76	17	0	0			30	7
25 NDTX4784-7R	3	1	11	3	6	1	0	0			5	1
<b>Chip Trial</b>												
26 Atlantic	6	2	3	1	3	1			27	6	10	2
27 Chipeta	3	1	14	3	15	3			25	7	14	4
28 AC99213-8W	6	2	13	3	1	0			16	4	9	2
29 TX1475-3W					7	2			33	8	20	5
Mean	6	2	15	4	9	2	1	0	25	6	9	2

**Table 13. Specific Gravity for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	California	Colorado	Texas		Mean
	TUL	SLV	SPR	DAL	
<b>Specialty Trial</b>					
1 All Blue	1.089	1.089	1.069		1.083
2 Yukon Gold	1.091	1.090	1.084		1.088
3 AC99329-7PW/Y	1.093	1.094	1.072		1.086
4 AC99330-1P/Y	1.081	1.082	1.065		1.076
5 ATTX98500-3P/Y	1.088	1.086	1.068		1.081
6 CO99045-1W/Y	1.093	1.093	1.081		1.089
7 CO99338-3RU/Y	1.086	1.080	1.076		1.080
<b>Russet Trial</b>					
8 Russet Norkotah	1.078	1.084	1.078		1.080
9 Russet Norkotah-S3	1.076	1.089	1.077		1.081
10 Russet Norkotah 278	1.074	1.086	1.077		1.079
11 AOTX96265-2RU		1.093	1.084		1.088
12 AOTX98137-1RU		1.080	1.080		1.080
13 ATX97147-4RU		1.083	1.081		1.082
14 ATX97232-1RU	1.086	1.092	1.088		1.089
15 CO98067-7RU	1.085	1.080	1.068		1.078
16 CO98368-2RU	1.078	1.081	1.081		1.080
<b>Red Trial</b>					
17 Norland (Dark Red)	1.073	1.072	1.066		1.070
18 Red LaSoda	1.077	1.083	1.068		1.076
19 ATTX98453-6R	1.080	1.077	1.073		1.077
20 CO99076-6R	1.084	1.086	1.072		1.081
21 CO99256-2R	1.087	1.085	1.070		1.081
22 CO99256-3R	1.080	1.084	1.065		1.076
23 COTX94218-1R	1.090	1.090	1.068		1.083
24 COTX00104-7R	1.069	1.065	1.062		1.065
25 NDTX4784-7R	1.077	1.075	1.065		1.072
<b>Chip Trial</b>					
26 Atlantic	1.107	1.102		1.076	1.095
27 Chipeta	1.104	1.097		1.064	1.089
28 AC99213-8W	1.103	1.101		1.073	1.092
29 TX1475-3W		1.093		1.066	1.080
Mean	1.085	1.086	1.074	1.070	1.081



**Table 14. Average Tuber Weight (Size) and Shape for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	Weight (oz.)				Shape <sup>1</sup>				
	California		Texas		California	Colorado	Texas		Mean
	TUL	SPR	DAL	Mean			TUL	SLV	
<b>Specialty Trial</b>									
1 All Blue	4.0	2.9		3.5	5.0	3.0	4.0		4.0
2 Yukon Gold	6.0	6.2		6.1	2.3	2.0	3.5		2.6
3 AC99329-7PW/Y	5.1	5.0		5.1	1.0	1.0	1.7		1.2
4 AC99330-1P/Y	2.9	3.2		3.1	1.0	1.0	2.3		1.4
5 ATTX98500-3P/Y	4.9	4.5		4.7	2.8	5.0	3.7		3.8
6 CO99045-1W/Y	4.3	4.6		4.5	4.5	5.0	4.4		4.6
7 CO99338-3RU/Y	3.9	4.0		4.0	2.3	3.0	3.4		2.9
<b>Russet Trial</b>									
8 Russet Norkotah	5.7	6.6		6.2	4.0	5.0	4.5		4.5
9 Russet Norkotah-S3	7.0	7.1		7.0	4.5	5.0	4.5		4.7
10 Russet Norkotah 278	6.3	7.9		7.1	4.5	5.0	4.5		4.7
11 AOTX96265-2RU		7.5		7.5		4.0	3.7		3.9
12 AOTX98137-1RU		6.5		6.5		5.0	4.0		4.5
13 ATX97147-4RU		6.4		6.4		5.0	4.0		4.5
14 ATX97232-1RU	4.3	6.1		5.2	3.5	4.0	4.0		3.8
15 CO98067-7RU	5.6	5.8		5.7	4.0	5.0	3.7		4.2
16 CO98368-2RU	5.0	6.1		5.6	4.0	5.0	4.2		4.4
<b>Red Trial</b>									
17 Norland (Dark Red)	6.5	5.5		6.0	1.5	2.0	3.5		2.3
18 Red LaSoda	7.2	5.5		6.3	1.0	2.0	3.6		2.2
19 ATTX98453-6R	6.3	6.3		6.3	1.0	1.0	2.4		1.5
20 CO99076-6R	5.9	5.0		5.5	1.0	1.0	2.0		1.3
21 CO99256-2R	4.3	3.6		3.9	1.3	2.0	3.6		2.3
22 CO99256-3R	4.5	3.9		4.2	2.0	2.0	3.6		2.5
23 COTX94218-1R	4.6	2.4		3.5	1.0	1.0	2.7		1.6
24 COTX00104-7R	8.3	5.2		6.8	1.8	2.0	3.4		2.4
25 NDTX4784-7R	6.1	5.2		5.6	1.0	1.0	2.4		1.5
<b>Chip Trial</b>									
26 Atlantic	5.1		4.7	4.9	1.0	2.0		1.5	1.5
27 Chipeta	7.4		4.0	5.7	1.5	2.0		1.4	1.6
28 AC99213-8W	5.6		3.6	4.6	1.0	1.0		1.6	1.2
29 TX1475-3W			5.0			1.0		1.8	1.4
Mean	5.5	5.3	4.3	5.4	2.3	2.9	3.5	1.6	2.9

<sup>1</sup> 1= round, 5=long

Table 15. Eye Depth and Growth Cracks for Clones in the Southwestern Regional Trial, 2007

Clone / Variety	Eye Depth <sup>1</sup>				Growth Cracks <sup>2</sup>			
	California	Texas		Mean	Colorado	Texas		Mean
	TUL	SPR	DAL		SLV	SPR	DAL	
<b>Specialty Trial</b>								
1 All Blue	3.0	2.3		2.6	5.0	5.0		5.0
2 Yukon Gold	4.3	3.9		4.1	4.0	5.0		4.5
3 AC99329-7PW/Y	2.8	2.9		2.9	5.0	5.0		5.0
4 AC99330-1P/Y	3.0	3.3		3.1	5.0	5.0		5.0
5 ATTX98500-3P/Y	3.0	4.0		3.5	5.0	5.0		5.0
6 CO99045-1W/Y	4.0	4.0		4.0	5.0	5.0		5.0
7 CO99338-3RU/Y	3.0	3.5		3.3	5.0			5.0
<b>Russet Trial</b>								
8 Russet Norkotah	3.5	3.7		3.6	5.0	5.0		5.0
9 Russet Norkotah-S3	3.3	3.8		3.6	5.0	5.0		5.0
10 Russet Norkotah 278	3.3	3.5		3.4	5.0	5.0		5.0
11 AOTX96265-2RU		3.7		3.7	5.0	5.0		5.0
12 AOTX98137-1RU		4.0		4.0	5.0	5.0		5.0
13 ATX97147-4RU		4.0		4.0	4.0	5.0		4.5
14 ATX97232-1RU	3.3	4.0		3.7	5.0	5.0		5.0
15 CO98067-7RU	3.8	4.0		3.9	5.0	5.0		5.0
16 CO98368-2RU	4.8	3.9		4.4	5.0	5.0		5.0
<b>Red Trial</b>								
17 Norland (Dark Red)	3.3	3.0		3.2	4.0	5.0		4.5
18 Red LaSoda	1.3	2.0		1.7	4.0	5.0		4.5
19 ATTX98453-6R	3.0	4.3		3.7	4.0	5.0		4.5
20 CO99076-6R	3.0	3.9		3.4	3.0	4.7		3.8
21 CO99256-2R	3.8	4.1		3.9	5.0	5.0		5.0
22 CO99256-3R	3.0	3.9		3.5	5.0	4.9		4.9
23 COTX94218-1R	3.5	4.0		3.8	4.0	5.0		4.5
24 COTX00104-7R	3.0	3.6		3.3	1.0	4.9		2.9
25 NDTX4784-7R	2.8	4.6		3.7	4.0	5.0		4.5
<b>Chip Trial</b>								
26 Atlantic	3.3		3.9	3.3	4.0		5.0	4.0
27 Chipeta	2.8		4.0	2.8	3.0		5.0	3.0
28 AC99213-8W	2.3		3.9	2.3	5.0		5.0	5.0
29 TX1475-3W			3.9	3.9	4.0		5.0	4.0
Mean	3.2	3.7	3.9	3.4	4.4	5.0	5.0	4.6

<sup>1</sup>1 = deep, 5 = shallow

<sup>2</sup>1 = many, 5 = none

Table 16. Percent Hollow Heart/Brown Center, Blackspot Bruising, and Fry Results for Clones in the Southwestern Regional Trial, 2007

Clone / Variety	Hollow Heart/Brown Center (%)				Mean	Bruising <sup>1</sup>	Fry Data <sup>2</sup>		
	California	Colorado	Texas			Colorado	Colorado		
	TUL	SLV	SPR	DAL		SLV	SLV <sup>3</sup>	SLV <sup>4</sup>	MS <sup>5</sup>
<b>Specialty Trial</b>									
1 All Blue	0	0	0		0				
2 Yukon Gold	0	0	3		1	4.7	2	3	1.0
3 AC99329-7PW/Y	0	0	25		8	3.6	1	2	4.0
4 AC99330-1P/Y	0	0	0		0	4.7	1	3	1.0
5 ATTX98500-3P/Y	0	0	0		0	3.9	0	1	5.0
6 CO99045-1W/Y	0	0	0		0	4.3	2	3	1.0
7 CO99338-3RU/Y	0	0	0		0	4.1	2	2	2.0
<b>Russet Trial</b>									
8 Russet Norkotah	1	1	3		1	4.1	1	1	3.0
9 Russet Norkotah-S3	5	2	0		2	4.2	1	2	5.0
10 Russet Norkotah 278	1	0	8		3	4.5	1	2	4.0
11 AOTX96265-2RU		1	18		9	4.2	0	0	5.0
12 AOTX98137-1RU		0	0		0	4.7	2	2	2.0
13 ATX97147-4RU		0	0		0	4.4	3	3	1.0
14 ATX97232-1RU	0	0	40		13	5.0	1	2	2.0
15 CO98067-7RU	0	0	0		0	4.9	1	2	4.0
16 CO98368-2RU	0	0	0		0	4.7	1	2	3.0
<b>Red Trial</b>									
17 Norland (Dark Red)	0	0	0		0	4.3	2	3	1.0
18 Red LaSoda	0	8	10		6	4.5	2	3	1.0
19 ATTX98453-6R	0	0	0		0	4.7	3	3	1.0
20 CO99076-6R	0	0	3		1	4.1	1	3	1.0
21 CO99256-2R	0	0	0		0	3.5	1	2	4.0
22 CO99256-3R	0	0	3		1	4.5	0	1	4.0
23 COTX94218-1R	0	0	0		0	4.0	1	3	1.0
24 COTX00104-7R	0	0	0		0	5.0	3	4	1.0
25 NDTX4784-7R	0	0	0		0	2.3	3	4	1.0
<b>Chip Trial</b>									
26 Atlantic	0	1		5	2	2.6			1.0
27 Chipeta	0	0		3	1	3.9			4.0
28 AC99213-8W	0	0		0	0	4.5			4.0
29 TX1475-3W		7		8	7	3.6			1.0
Mean	0	1	4	4	2	4.2	1.5	2.3	2.4

<sup>1</sup> 1=severe, 5= none

<sup>2</sup> 0=light, 5= dark

<sup>3</sup> at harvest

<sup>4</sup> after 9 weeks at 45° F

<sup>5</sup> 1-5=excellent

**Table 17. Colorado and Texas Chipping Results for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	Chip Color <sup>1</sup>				Texas <sup>4</sup>
	Colorado				
	40 <sup>2</sup>	R40 <sup>2</sup>	50 <sup>3</sup>	R50 <sup>3</sup>	
Atlantic	3.5	3.5	2.5	2.5	1
Chipeta	4.0	4.0	2.5	2.5	1
AC99213-8W	1.0	2.0	1.5	1.0	1
TX1475-3W	4.5	4.5	3.0	3.0	1

<sup>1</sup> 1=light, 5=dark

<sup>2</sup>40°F Storage protocol prior to frying

Initial storage temperature 55°F

Holding temperature 40°F

Weeks to holding temperature 3

Weeks at holding temperature 5

Reconditioning temp. (if applicable) 60°F

Number of weeks reconditioning 3

<sup>3</sup>50°F Storage protocol prior to frying

Initial storage temperature 55°F

Holding temperature 50°F

Weeks to holding temperature 3

Weeks at holding temperature 5

Reconditioning temp. (if applicable) 60°F

Number of weeks reconditioning 3

<sup>4</sup> Chipped immediately following harvest

**Table 18. Summary for Clones in the Southwestern Regional Trial, 2007**

Clone / Variety	Field Data				Yield Qualities					Tuber Description				
	% Stand	Stems/hill	Vine Size	Vine Mat.	Total Yield	% #1s	% >10 <sup>1</sup>	% <4	% Culls	Merit Score	Specific Gravity	Tuber Shape	Tuber Weight	Skin Color
<b>Specialty Trial</b>														
1 All Blue	100	4.1	4.7	3.5	377	50	2	48	2	2.0	1.083	Oblong	2.9	Purple
2 Yukon Gold	93	3.0	3.4	1.8	372	87	23	11	2	3.5	1.088	Oval	6.2	White
3 AC99329-7PW/Y	93	3.2	4.1	3.5	375	78	13	20	1	2.8	1.086	Round	5.0	P/W
4 AC99330-1P/Y	98	3.6	3.9	2.9	319	47	1	54	1	2.8	1.076	Round	3.2	Purple
5 ATTX98500-3P/Y	94	3.5	4.1	3.5	355	70	11	25	4	3.5	1.081	Oblong	4.5	Purple
6 CO99045-1W/Y	99	3.7	4.3	3.2	428	75	10	24	2	4.3	1.089	Long	4.6	White
7 CO99338-3RU/Y	96	3.6	3.2	1.7	317	59	3	39	1	2.1	1.080	Round	4.0	Russet
<b>Russet Trial</b>														
8 Russet Norkotah	98	3.5	3.3	1.6	357	82	15	17	2	3.0	1.080	Long	6.6	Russet
9 Russet Norkotah-S3	98	3.3	4.4	3.4	444	86	25	12	2	4.3	1.081	Long	7.1	Russet
10 Russet Norkotah 278	98	3.1	3.9	2.2	373	83	25	14	2	3.6	1.079	Long	7.9	Russet
11 AOTX96265-2RU	98	2.9	3.9	3.6	401	90	21	9	1	4.1	1.088	Oblong	7.5	Russet
12 AOTX98137-1RU	97	3.0	2.8	1.7	317	83	13	17	1	2.6	1.080	Oblong	6.5	Russet
13 ATX97147-4RU	99	2.7	4.2	3.9	437	82	20	16	2	3.8	1.082	Long	6.4	Russet
14 ATX97232-1RU	98	3.3	3.5	2.6	383	69	7	26	2	2.2	1.089	Oblong	6.1	Russet
15 CO98067-7RU	99	2.8	3.7	2.0	369	80	10	22	1	3.2	1.078	Long	5.8	Russet
16 CO98368-2RU	93	3.3	3.2	2.3	299	75	8	27	2	2.7	1.080	Oblong	6.1	Russet
<b>Red Trial</b>														
17 Norland (Dark Red)	97	3.6	2.9	1.9	394	83	17	15	2	3.2	1.070	Oval	5.5	Red
18 Red LaSoda	96	4.2	4.2	2.5	457	87	18	11	2	2.3	1.076	Oval	5.5	Red
19 ATTX98453-6R	97	2.5	2.6	2.0	332	80	15	20	1	2.5	1.077	Oblong	6.3	Red
20 CO99076-6R	92	4.2	3.4	1.7	339	80	8	17	3	2.8	1.081	Round	5.0	Red
21 CO99256-2R	97	3.5	3.7	3.0	368	63	1	35	1	3.0	1.081	Oval	3.6	Red
22 CO99256-3R	94	3.5	3.6	2.2	305	55	2	42	3	2.1	1.076	Oval	3.9	Red
23 COTX94218-1R	99	4.4	4.0	3.9	350	58	4	42	2	3.3	1.083	Round	2.4	Red
24 COTX00104-7R	92	3.6	3.2	2.7	376	83	26	10	7	1.9	1.065	Oblong	5.2	Red
25 NDTX4784-7R	94	2.8	3.0	1.8	354	81	11	17	1	2.2	1.072	Round	5.2	Red
<b>Chip Trial</b>														
26 Atlantic	94	3.7	3.5	2.6	422	78	11	19	2	2.5	1.095	Round	0.0	Buff
27 Chipeta	97	3.4	4.7	4.0	434	83	17	16	4	3.8	1.089	Oval	0.0	White
28 AC99213-8W	97	4.9	4.4	3.8	408	72	8	26	2	3.3	1.092	Round	0.0	White
29 TX1475-3W	97	3.3	3.1	2.3	413	74	24	19	5	2.3	1.080	Oblong	0.0	White

<sup>1</sup> KRN > 12 oz on Russets

Status of Entries following the Southwestern Regional Trial- 2008 Worksheet

				Average Total Yield					
Clone / Variety	Entered by	Status	Years in Trial	2005	2006	2007	Mean	% of check	
1	All Blue	Check	***		481	377	429		
2	Yukon Gold	Check	***	410	457	372	413		
3	AC99329-7PW/Y	Colorado	1			375	375	89	
4	AC99330-1P/Y	Colorado	1			319	319	76	
5	ATTX98500-2P/Y	Texas	drop	2	460	355	407	97	
6	CO99045-1W/Y	Colorado	1			428	428	102	
7	CO99338-3RU/Y	Colorado	1			317	317	76	
<b>Russet Trial</b>									
8	Russet Norkotah	Check	***		370	357	363		
9	Russet Norkotah 3	Check	***		463	444	454		
10	Russet Norkotah 278	Check	***		480	373	427		
11	AOTX96265-2RU	Texas	Return	1		401	401	97	
12	AOTX98137-1RU	Texas	Return	3	339	400	317	352	85
13	ATX97147-4RU	Texas	Return	2		443	437	440	106
14	ATX97232-1RU	Texas	drop	1			383	383	93
15	CO98067-7RU	Colorado	1			369	369	89	
16	CO98368-2RU	Colorado	1			299	299	72	
<b>Red Trial</b>									
17	Norland (Dark Red)	Check	***		428	394	411		
18	Red LaSoda	Check	***		569	457	513		
19	ATTX98453-6R	Texas	Return	2	295	332	313	68	
20	CO99076-6R	Colorado	1			339	339	73	
21	CO99256-2R	Colorado	1			368	368	80	
22	CO99256-3R	Colorado	1			305	305	66	
23	COTX94218-1R	Texas	Return	2	470	350	410	89	
24	COTX00104-7R	Texas	drop	2	401	376	388	84	
25	NDTX4784-7R	Texas	Return	2	368	354	361	78	
<b>Chip Trial</b>									
26	Atlantic	Check	***		527	422	474		
27	Chipeta	Check	***		573	434	504		
28	AC99213-8W	Colorado	1			408	408	79	
29	TX1475-3W	Texas	drop	2	515	413	464	89	

New Entries								
	ATTX00289-6Y/Y		AOTX95295-1RU(W)		AOTX91861-4R			
	ATTX98500-3PW/Y		ATX9202-3RU		AOTX93483-1R			
	TX1673-1W/Y				BTX2332-1R			
	TXYG055				COTX94416-1R			
	TXYG057				NDTX4828-2R			
	TXYG079				NDTX5067-2R			
	TXYG098				NDTX7590-3R			
	TXYG105							
	TXYG107							

Description of Clones - 2007 Southwestern Regional Trial

Entry #	Clone/Cultivar	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Entered By	Use	Source	2008 Status <sup>1</sup>
		Female	Male									
<b>Specialty Trial</b>												
1	All Blue	Unknown	Unknown	Blue	Large	Medium	Oblong	Purple	Check	Spec	CO	***
2	Yukon Gold	Norgleam	W5279-4	Pink	Medium	Early	Oval	White	Check	Spec	CO	***
	ATTX00289-6Y/Y	NDA5507-3	TXA1655-1DY									
	ATTX98500-3PW/Y	P94A2-4Y	Granola									
	TX1673-1W/Y	Russet Nugget	CS 7802L-2									
	TXYG055	Norgleam	W5279-4									
	TXYG057	Norgleam	W5279-4									
	TXYG079	Norgleam	W5279-4									
	TXYG098	Norgleam	W5279-4									
	TXYG105	Norgleam	W5279-4									
	TXYG107	Norgleam	W5279-4									
3	AC99329-7PW/Y	Inca Gold	A91846-5R	Purple	Large-V Lg	Medium	Round	P/W	CO	Spec/Fry	CO	1
4	AC99330-1P/Y	Inca Gold	A89655-5DY	Blue	Large	Early	Round	Purple	CO	Spec	CO	1
6	CO99045-1W/Y	Rio Grande Russet	German Butterball	White	Large	Medium	Long	White	CO	Spec	CO	1
7	CO99338-3RU/Y	Russet Nugget	Crispin	White	Medium	Early	Round	Russet	CO	Spec/Fry	CO	1
<b>Russet Trial</b>												
8	Russet Norkotah	ND9687-5RU	ND9526-4RU	White	Small	Early	Long	Russet	Check	Fresh	CO/TX for CA	***
9	Russet Norkotah-53	ND9687-5RU	ND9526-4RU	White	Med-Large	Medium	Long	Russet	Check	Fresh	CO	***
10	Russet Norkotah 278	ND9687-5RU	ND9526-4RU	White	Med-Large	Early	Long	Russet	Check	Fresh	TX	***
11	AOTX96265-2RU	A90621-4	A84180-8	White	Large	Late	Oblong	Russet	TX	Fresh	CO	1
12	AOTX98137-1RU	A8670-7	A93310-1	White	Med-Large	Early	Oblong	Russet	TX	Fresh	CO	3
13	ATX97147-4RU	A79180-10	A88236-6	White	Medium	Early-Med	Long	Russet	TX	Fresh	CO	2
	AOTX95295-1RU(W)	A89804-7	Ranger Russet									
	ATX9202-3RU	A8343-12	A8495-1									
15	CO98067-7RU	Silverton Russet	TC1675-1	White	Medium	Early-Med	Long	Russet	CO	Dual	CO	1
16	CO98368-2RU	Russet Nugget	Bannock Russet	Purple	Medium	Early-Med	Oblong	Russet	CO	Fresh	CO	1
<b>Red Trial</b>												
17	Norland (Dark Red)	RedKote	ND626	Red-Purple	Small	Early	Oval	Red	Check	Fresh	CO	***
18	Red LaSoda	Triumph	Katahdin	Red-Purple	Medium	Med	Oval	Red	Check	Fresh	CO/TX OWN	***
19	ATTX98453-6R	A93490-1R	A91846-5R	Lavender	Small-Med	Early-Med	Oblong	Red	TX	Fresh	CO	2
20	CO99076-6R	AC91848-1	Rio Colorado	Red-Purple	Medium	Early	Round	Red	CO	Fresh	CO	1
21	CO99256-2R	Rio Colorado	Colorado Rose	Purple	Large	Medium	Oval	Red	CO	Fresh	CO	1
22	CO99256-3R	Rio Colorado	Colorado Rose	Purple	Medium	Early	Oval	Red	CO	Fresh	CO	1
23	COTX94218-1R	Red Ruby	Red Gold	Lavender	Large	Medium	Round	Red	TX	Fresh	CO	2
25	NDTX4784-7R	ND3574-5R	ND2050-1R	Lavender	Medium	Med-Late	Round	Red	TX	Fresh	CO	2
	AOTX91861-4R	Red LaSoda	ND2224-5R									
	AOTX93483-1R	NDO2686-6R	AD82705-1R									
	BTX2332-1R	B1523-4	Super Red Norland									
	COTX94416-1R											
	NDTX4828-2R	ND3877-2R	ND1871-3R									
	NDTX5067-2R	ND3983-3Russ	Russet Norkotah									
	NDTX7590-3R	ND5151-5R	X ND5002-3R									
<b>Chip Trial</b>												
26	Atlantic	Wauseon	B5141-6	Red-Purple	Medium	Medium	Round	Buff	Check	Chip	CO	***
27	Chipeta	WNC612-13	Wischip	Purple	Large	Med-Late	Oval	White	Check	Chip	CO	***
28	AC99213-8W	A900467-14	NDA5698-8	White	Large	Medium	Round	White	CO	Chip	CO	1
29	TX1475-3W	TX1229-6W	AC80545-1	Lavender	Med-Large	Early-Med	Oblong	White	TX	Chip	CO	2

<sup>1</sup>years in trial

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