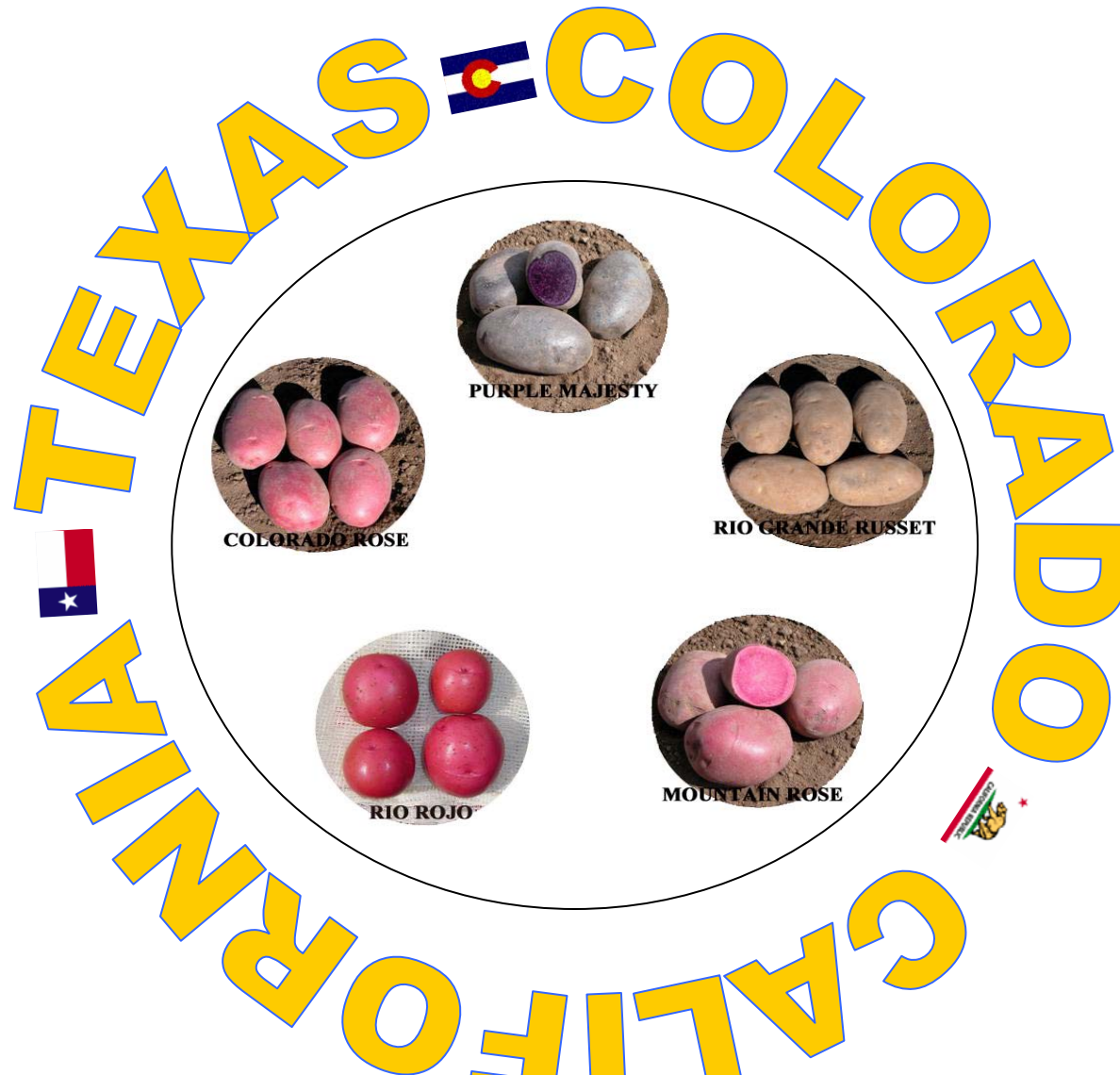


# 2005 Southwestern Regional Potato Variety Trial Report



## Table of Contents

Description of Clones - 2005 Southwestern Regional Trial .....	2
Table 1. Locations, Cooperators, and Cultural Information .....	3
Table 2. Plot Information, Soil Type, Fungicides, and Insecticides .....	4
Table 3. Herbicides, Fumigants, Vine Killing, Environmental Factors, and Comments .....	5
Table 4. Percent Stand and Stems/Hill .....	6
Table 5. Vine Size and Vine Maturity .....	7
Table 6. Total Yield, Merit Scores, and Yield Rank .....	8
Table 7. Yield and Percent of U.S. No. 1s .....	9
Table 8. Yield and Percent of U.S. No. 1s > 10 oz .....	10
Table 9. Yield and Percent of U.S. No. 1s 6 - 10 oz .....	11
Table 10. Yield and percent of U.S. No. 1s 4 - 6 oz .....	12
Table 11. Yield and Percent of B (< 4 oz) Tubers .....	13
Table 12. Yield and Percent Culls/No. 2s .....	14
Table 13. Specific Gravity .....	15
Table 14. Tuber Weight (oz.) and Shape .....	16
Table 15. Eye Depth and Growth Cracks .....	17
Table 16. Percent Hollow Heart/Brown Center, Blackspot Bruising, and Fry Results .....	18
Table 17. Colorado Chipping Results .....	19
Table 18. Antioxidant Activity .....	20
Table 19. Summary .....	21
Status of Entries following the Southwestern Regional Trial- 2006 Worksheet .....	22
Description of Continuing/Proposed Clones for the 2006 Southwestern Regional Trial .....	23

**Description of Clones - 2005 Southwestern Regional Trial**

Entry #	Clone/Cultivar	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Entered By	Use	Year	2006 Status
		Female	Male									
<b>Specialty Trial</b>												
1	Yukon Gold	Norgleam	W5279-4	Pink	Medium	Early	Oval	White	Check	Spec	***	
2	AC97521-1R/Y	SJP/T48YF	A91846-5R	Red-Purple	Large	Medium	Oval	Red	CO	Spec	1	
3	CO97226-2R/R	CO94183-1	CO94214-1	White	Med-Large	Early	Round	Red	CO	Spec	1	
4	CO97232-1R/Y	CO94218-1	VC0967-2	Purple	Medium	Med-Early	Oblong	Red	CO	Spec/Fry	1	
5	CO97232-2R/Y	CO94218-1	VC0967-2	Red-Purple	Medium	Medium	Round	Red	CO	Spec/Fry	1	
6	CO97233-3R/Y	CO94218-1	VC0967-5	Red-Purple	Medium	Med-Late	Oblong	Red	CO	Spec	1	
<b>Russet Trial</b>												
7	Russet Norkotah	ND9687-5Ru	ND9526-4Ru	White	Small	Early	Long	Russet	Check	Fresh	***	
8	AC96052-1RU	A81386-1	A9014-2	Purple	Large	Medium	Oblong	Russet	CO	Fry	1	
9	AOTX95265-2ARU	A89216-9	A86102-6	White	Med-Large	Med-Late	Oblong	Russet	TX	Fresh	1	
10	AOTX95265-4RU	A89216-9	A86102-6	White	Med-Large	Med-Late	Oblong	Russet	TX	Fresh	1	
11	AOTX98137-1RU	A8670-7	A93310-1	White	Medium	Med-Early	Oblong	Russet	TX	Fresh	1	
12	CO97137-1W	NDO2904-7	AC89047-1	White	Med-Small	Early	Oblong	White	CO	Fresh	1	
13	MWTX2609-4RU	Russet Burbank	(Ontario x 4 x hybrid)	White	Large	Late	Long	Russet	TX	Fresh	2	
14	TXDH-99-1RU	Unknown	Unknown	White	Large	Late	Oblong	Russet	TX	Fresh	1	
<b>Red Trial</b>												
15	Norland (Dark Red)	RedKote	ND626	Red-purple	Small	Early	Oval	Red	Check	Fresh	***	
16	Red LaSoda	Triumph	Katahdin	Red-purple	Med	Med	Oval	Red	Check	Fresh	***	
17	CO97078-5R	CO86142-3	Redsen	Purple	Med	Med-Early	Round	Red	CO	Fresh	1	
<b>Chip Trial</b>												
18	Atlantic	Wauseon	B5141-6	Red-Purple	Medium	Medium	Round	Buff	Check	Chip	***	
19	Chipeta	WNC612-13	Wischip	Purple	Large	Med-Late	Oval	White	Check	Chip	***	
20	AC97097-14W	Brodick	A91746-8	Purple	Medium	Medium	Oval	White	CO	Chip	1	
21	CO97043-14W	AC91817-5	AC87340-2	White	Medium	Medium	Round	White	CO	Chip	1	
22	CO97065-7W	AC92513-3	Chipeta	Red-Purple	Medium	Medium	Round	White	CO	Chip	1	

**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 Russet Red Chip		Machine	2/17/05		6/6/05	109
2. Tulelake California (TUL)	H. Carlson D. Kirby	Sprinkler	Specialty Russet Red Chip	193.5-234-0	Machine	5/30/05	9/12/05	10/10/05	102
						6/1/05	9/18/05	10/14/05	107
						6/1/05	9/18/05	10/14/05	107
						5/30/05	9/18/05	10/11/05	108
3. San Luis Valley Colorado (SLV)	D. Holm P. Naranjo	Pivot	Specialty Russet Red Chip	120-60-40-25-2.5	Machine	5/13/05	9/2/05	9/22/05	109
4. Springlake Texas (SPR )	C. Miller, J. Koym D. Scheuring	Pivot	Specialty Russet Red	235-25-25 235-25-25 130-25-25	Machine/Hand Machine/Hand Machine/Hand	3/23/05	7/20/05	7/27/05	117
						3/22/05	7/25/05	8/1/05	123
						3/22/05	7/9/05	7/12/05	107
5. Dalhart Texas (DAL)	C. Miller, J. Koym D. Scheuring	Pivot	Chip	300-0-0-0-43	Machine/Hand	5/21/05	9/14/05	10/24/05	113

**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"	7'
Hill spacing (in)	9"	**	12"	9"	12"
Row spacing (in)	32"	36"	34"	36"	30"
Hills/plot	27	***	25"	14	7
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		
Silt loam					
Organic - 8%					
Mucky silty clay loam		X			
<b>Fungicides:</b>					
Amistar			X		
Bravo		X		X	
Quadris		X		X	
TOPSMZ				X	
Polyram 80 DF					
Dithane F-45		X			
Echo		X			X
Endura					X
Curzate		X			
Manzate		X			X
Tanos		X			X
Maxim		X			
Scala		X			X
<b>Insecticides:</b>					
Admire				X	X
Baythroid				X	X
Actara					X
Permethrin 3.2 EC					
Endosulfan 3 EC					
Dimethoate				X	X
Mustang Max					X
Asna		X			X
Leverage			X		X
Avaunt					X
Inergy					X
Actara					X
Dynamic					X
Monitor 4					
Pounce		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>					
Dual Magnum			X	X	X
Spartan					X
Select					
Matrix		X		X	X
Arrow					X
Roundup				X	
Treflan					
Prowl					
Sencor DF		X		X	
<b>Vine Killing:</b>					
Diquat		X (REDS)			
Sulfuric Acid			X		
Mechanical	X			X	X
<b>Environmental Factors:</b>					
Cool/Wet Spring	X	X			
Cool and Dry Summer					
Severe Frost					
Favorable					
Hot Summer	X				
Above Av. Prec.				X	X
<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, 2005**

Clone / Variety	Percent Stand					Stems per Hill		
	California	Colorado	Texas		Mean	Colorado	Texas	Mean
	TUL	SLV	SPR	DAL		SLV	SPR	
<b>Specialty Trial</b>								
1 Yukon Gold	81	95	84		87	3.4	1.1	2.3
2 AC97521-1R/Y	76	98	100		91	5.3	1.5	3.4
3 CO97226-2R/R	89	97	100		95	4.6	1.5	3.0
4 CO97232-1R/Y	85	99	98		94	4.1	1.3	2.7
5 CO97232-2R/Y	66	85	80		77	4.0	1.7	2.8
6 CO97233-3R/Y	69	92	89		83	4.6	1.5	3.0
<b>Russet Trial</b>								
7 Russet Norkotah	90	99	100		96	3.5	1.2	2.3
8 AC96052-1RU	81	97	91		90	3.9	1.6	2.7
9 AOTX95265-2ARU	94	99	100		98	4.4	1.4	2.9
10 AOTX95265-4RU	88	99	100		96	3.7	1.3	2.5
11 AOTX98137-1RU	94	98	100		97	4.0	1.2	2.6
12 CO97137-1W	87	99	98		95	3.6	1.3	2.4
13 MWTX2609-4RU	94	96	100		97	4.7	1.4	3.0
14 TXDH-99-1RU	90	97	100		96	4.2	1.4	2.8
<b>Red Trial</b>								
15 Norland (Dark Red)	81	98	95		91	4.4	1.3	2.8
16 Red LaSoda	87	98	96		94	4.4	1.3	2.9
17 CO97078-5R	74	94	95		88	3.4	1.3	2.3
<b>Chip Trial</b>								
18 Atlantic	89	96		88	93	3.6		3.6
19 Chipeta	90	99		100	95	4.7		4.7
20 AC97097-14W	74	86		69	80	4.1		4.1
21 CO97043-14W	56	69		83	63	3.3		3.3
22 CO97065-7W	81	95		95	88	4.2		4.2
Mean	83	95	96	87	90	4.1	1.4	3.0

**Table 5. Vine Size and Maturity for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Vine Size (1-5=large)					Vine Maturity (1-5=latest)				
	California	Colorado	Texas		Mean	California	Colorado	Texas		Mean
	KRN	SLV	SPR	DAL		KRN <sup>1</sup>	SLV	SPR	DAL	
<b>Specialty Trial</b>										
1 Yukon Gold	4.3	3.0	4.3		3.8	1.8	2.3	4.4		2.8
2 AC97521-1R/Y	4.8	4.5	4.9		4.7	2.8	3.0	4.7		3.5
3 CO97226-2R/R	3.0	3.0	4.5		3.5	2.3	2.8	4.6		3.2
4 CO97232-1R/Y	4.0	3.3	3.7		3.6	2.0	2.5	3.8		2.8
5 CO97232-2R/Y	3.8	3.0	3.7		3.5	2.0	3.0	4.0		3.0
6 CO97233-3R/Y	4.8	3.3	4.4		4.1	2.0	3.3	4.4		3.2
<b>Russet Trial</b>										
7 Russet Norkotah	3.0	2.0	4.1		3.0	2.3	2.5	3.8		2.8
8 AC96052-1RU	3.8	4.5	4.5		4.2	2.5	3.8	4.6		3.6
9 AOTX95265-2ARU	3.5	3.0	4.5		3.7	2.3	2.8	4.5		3.2
10 AOTX95265-4RU	4.0	3.3	4.5		3.9	2.0	3.0	4.5		3.2
11 AOTX98137-1RU	3.5	2.5	4.2		3.4	2.0	3.0	3.9		3.0
12 CO97137-1W	3.8	3.0	3.8		3.5	2.0	2.8	3.8		2.9
13 MWTX2609-4RU	3.3	4.0	4.7		4.0	2.5	3.3	4.7		3.5
14 TXDH-99-1RU	3.8	4.0	4.7		4.2	2.3	3.8	4.7		3.6
<b>Red Trial</b>										
15 Norland (Dark Red)	3.8	2.0	3.2		3.0	2.3	1.3	2.8		2.1
16 Red LaSoda	4.5	4.0	3.5		4.0	2.3	3.0	3.1		2.8
17 CO97078-5R	4.3	3.5	3.3		3.7	2.3	2.8	3.0		2.7
<b>Chip Trial</b>										
18 Atlantic	4.5	3.0		4.1	3.9	2.5	3.3		4.2	3.3
19 Chipeta	5.0	4.8		3.1	4.3	3.0	4.0		4.7	3.9
20 AC97097-14W	4.5	3.0		4.2	3.9	2.8	3.5		4.2	3.5
21 CO97043-14W	3.8	3.0		4.1	3.6	2.5	3.3		4.1	3.3
22 CO97065-7W	4.5	3.3		2.5	3.4	2.3	3.0		3.7	3.0
Mean	4.0	3.3	4.1	3.6	3.8	2.3	3.0	4.1	4.2	3.1

<sup>1</sup>KRN Rating 1=Early to 3=Late



**Table 6. Total Yield, Yield Rank Within Type (Specialty, Russet, Red, Chipping), and Merit Score (MS), for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Total Yield (Cwt/A), Merit Score <sup>1</sup> , and Rank <sup>2</sup>														
	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 Yukon Gold	536	4	404	2	450	3	2	249	4	3.9		410	4	3.0	
2 AC97521-1R/Y	721	1	345	5	666	1	5	201	6	2.9		483	1	4.0	
3 CO97226-2R/R	369	6	358	4	388	6	1	254	3	3.0		342	6	2.0	
4 CO97232-1R/Y	512	5	344	6	441	4	3	216	5	3.1		378	5	3.0	
5 CO97232-2R/Y	553	2	403	3	416	5	2	275	2	3.0		412	3	2.5	
6 CO97233-3R/Y	543	3	426	1	519	2	4	278	1	2.9		441	2	3.4	
<b>Russet Trial</b>															
7 Russet Norkotah	369	7	307	6	360	8	1	216	6	3.2		313	7	2.1	
8 AC96052-1RU	355	8	278	7	505	3	4	113	8	2.5		313	8	3.3	
9 AOTX95265-2ARU	509	3	376	3	491	4	2	328	3	3.2		426	3	2.6	
10 AOTX95265-4RU	485	4	357	4	478	5	2	231	4	3.3		388	4	2.7	
11 AOTX98137-1RU	433	6	318	5	374	7	2	231	5	3.1		339	5	2.6	
12 CO97137-1W	440	5	254	8	435	6	1	203	7	2.9		333	6	2.0	
13 MWTX2609-4RU	568	1	452	2	664	2	5	453	2	3.1		534	2	4.0	
14 TXDH-99-1RU	564	2	480	1	725	1	5	481	1	2.9		562	1	4.0	
<b>Red Trial</b>															
15 Norland (Dark Red)	506	2	501	1	391	3	1	231	1	3.7		407	2	2.4	
16 Red LaSoda	761	1	398	2	639	1	1	223	2	3.3		505	1	2.1	
17 CO97078-5R	484	3	300	3	423	2	3	219	3	3.2		357	3	3.1	
<b>Chip Trial</b>															
18 Atlantic	608	2	524	1	478	2	1				343	3	488	2	2.0
19 Chipeta	769	1	451	2	637	1	5				282	4	535	1	4.5
20 AC97097-14W	450	4	429	3	419	4	2				475	1	443	3	1.5
21 CO97043-14W	415	5	404	5	351	5	3				227	5	349	5	4.0
22 CO97065-7W	460	3	422	4	443	3	4				438	2	441	4	3.0
Mean	519		388		486		2.7	259		3.1	353	3.0	418	2.9	

<sup>1</sup> 1= very poor, 5=excellent

<sup>2</sup> Yield Rank with in type

**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, 2005**

Clone / Variety	Total Yield U.S. NO. 1S > 4 OZ (Cwt/A & %)																		
	California						Colorado			Texas						Mean			
	KRN			TUL			SLV			SPR			DAL			Mean			
	Cwt/A	Rank <sup>1</sup>	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	Cwt/A	Rank	%	
<b>Specialty Trial</b>																			
1	Yukon Gold	518	3	97	346	1	86	404	2	90	194	1	78				366	2	88
2	AC97521-1R/Y	709	1	98	211	4	61	497	1	75	92	5	46				377	1	70
3	CO97226-2R/R	361	6	98	169	6	47	188	6	48	57	6	22				194	6	54
4	CO97232-1R/Y	495	5	97	191	5	56	319	5	72	127	4	59				283	5	71
5	CO97232-2R/Y	547	2	99	290	3	72	354	4	85	161	3	59				338	4	79
6	CO97233-3R/Y	516	4	95	291	2	68	391	3	75	165	2	59				341	3	74
<b>Russet Trial</b>																			
7	Russet Norkotah	363	7	98	258	5	84	323	7	90	144	5	67				272	6	85
8	AC96052-1RU	351	8	99	231	7	83	435	3	86	63	8	56				270	7	81
9	AOTX95265-2AI	503	3	99	311	3	83	430	4	88	190	3	58				358	3	82
10	AOTX95265-4RI	481	4	99	310	4	87	430	4	90	131	6	57				338	4	83
11	AOTX98137-1RU	430	5	99	257	6	81	317	8	85	152	4	66				289	5	83
12	CO97137-1W	420	6	95	175	8	69	350	6	80	114	7	56				265	8	75
13	MWTX2609-4RI	552	2	97	381	2	84	606	2	91	237	1	52				444	2	81
14	TXDH-99-1RU	559	1	99	406	1	85	627	1	86	220	2	46				453	1	79
<b>Red Trial</b>																			
15	Norland (Dark Red)	482	2	95	387	1	77	342	3	87	130	2	56				335	2	79
16	Red LaSoda	755	1	99	293	2	74	577	1	90	151	1	68				444	1	83
17	CO97078-5R	481	3	99	240	3	80	371	2	88	104	3	48				299	3	79
<b>Chip Trial</b>																			
18	Atlantic	598	2	98	467	1	89	430	2	90			318	1	93		453	2	93
19	Chipeta	756	1	98	395	2	88	570	1	89			208	5	74		482	1	87
20	AC97097-14W	444	4	99	342	5	80	352	4	84			399	2	84		384	4	87
21	CO97043-14W	412	5	99	348	4	86	297	5	85			177	4	78		308	5	87
22	CO97065-7W	457	3	99	360	3	85	393	3	89			352	3	80		390	3	88
Mean		509		98	303		77	409		84	143		56	291		82	349		80

<sup>1</sup>Rank within type

**Table 8. Yield and Percent of U.S. No. 1's (>10oz.) for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Total Yield U.S. NO. 1S > 10 oz (Cwt/A & %)										Mean	
	California				Colorado		Texas					
	KRN <sup>1</sup>		TUL		SLV		SPR		DAL			
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%
<b>Specialty Trial</b>												
1 Yukon Gold	106	20	179	44	180	40	60	24			131	32
2 AC97521-1R/Y	0	0	16	5	63	9	8	4			22	5
3 CO97226-2R/R	0	0	2	1	1	1	0	0			1	1
4 CO97232-1R/Y	7	1	21	6	23	5	6	3			14	4
5 CO97232-2R/Y	43	8	59	15	105	25	16	6			56	13
6 CO97233-3R/Y	51	9	74	17	82	16	31	11			59	13
<b>Russet Trial</b>												
7 Russet Norkotah	68	18	98	32	119	33	34	16			80	25
8 AC96052-1RU	18	5	65	23	117	23	6	5			51	14
9 AOTX95265-2ARU	93	18	86	23	196	40	55	17			107	24
10 AOTX95265-4RU	75	15	120	34	200	42	28	12			106	26
11 AOTX98137-1RU	56	13	54	17	84	22	15	6			52	15
12 CO97137-1W	15	3	19	7	109	25	2	1			36	9
13 MWTX2609-4RU	87	15	154	34	262	39	26	6			132	24
14 TXDH-99-1RU	74	13	142	30	283	39	72	15			143	24
<b>Red Trial</b>												
15 Norland (Dark Red)	91	18	157	31	110	28	6	2			91	20
16 Red LaSoda	175	23	133	33	276	43	30	14			154	28
17 CO97078-5R	30	6	77	26	83	20	0	0			48	13
<b>Chip Trial</b>												
18 Atlantic	76	12	196	37	188	39			154	45	153	33
19 Chipeta	54	7	235	52	204	32			75	26	142	29
20 AC97097-14W	29	6	92	21	52	12			162	34	84	19
21 CO97043-14W	47	11	180	45	125	36			115	51	117	35
22 CO97065-7W	2	1	88	21	124	28			170	39	96	22
Mean	54	10	102	25	136	27	23	8	135	39	85	20

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

**Table 9. Yield and Percent of U.S. No. 1's (6 - 10oz.) for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Yield U.S. No. 1s 6 - 10 oz (Cwt/A& %)											
	California				Colorado		Texas				Mean	
	KRN <sup>1</sup>		TUL		SLV <sup>2</sup>		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%
<b>Specialty Trial</b>												
1 Yukon Gold	228	43	115	28	225	50	75	30			161	38
2 AC97521-1R/Y	202	28	95	28	434	65	31	16			190	34
3 CO97226-2R/R	30	8	55	15	187	48	7	3			70	19
4 CO97232-1R/Y	190	37	74	22	296	67	61	28			155	39
5 CO97232-2R/Y	233	42	126	31	249	60	44	16			163	37
6 CO97233-3R/Y	189	35	134	31	309	60	72	26			176	38
<b>Russet Trial</b>												
7 Russet Norkotah	148	40	71	23	204	57	48	22			118	36
8 AC96052-1RU	152	43	75	27	319	63	19	17			141	37
9 AOTX95265-2ARU	180	35	95	25	235	48	65	20			144	32
10 AOTX95265-4RU	219	45	96	27	230	48	46	20			148	35
11 AOTX98137-1RU	172	40	84	26	233	62	64	28			138	39
12 CO97137-1W	161	37	47	19	241	55	36	18			121	32
13 MWTX2609-4RU	227	40	99	22	345	52	102	23			193	34
14 TXDH-99-1RU	199	35	133	28	345	48	81	17			189	32
<b>Red Trial</b>												
15 Norland (Dark Red)	178	35	155	31	232	59	51	22			154	37
16 Red LaSoda	356	47	117	29	301	47	73	33			212	39
17 CO97078-5R	183	38	105	35	289	68	48	22			156	41
<b>Chip Trial</b>												
18 Atlantic	216	36	185	35	242	51			108	32	188	38
19 Chipeta	367	48	115	25	366	57			70	25	229	39
20 AC97097-14W	167	37	156	36	300	72			154	33	194	44
21 CO97043-14W	171	41	118	29	172	49			24	10	121	32
22 CO97065-7W	175	38	175	41	270	61			119	27	185	42
Mean	197	38	110	28	274	57	54	21	25		161	36

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

<sup>2</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, 2005**

Clone / Variety	Yield U.S. No. 1s 4 - 6 oz (CWT/A & %)								Mean	
	California				Texas					
	KRN <sup>1</sup>		TUL <sup>1</sup>		SPR		DAL		Cwt/A	%
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%		
<b>Specialty Trial</b>										
1 Yukon Gold	160	30	53	13	60	13			91	19
2 AC97521-1R/Y	437	61	100	29	52	8			197	33
3 CO97226-2R/R	268	73	114	32	50	13			144	39
4 CO97232-1R/Y	229	45	96	28	59	13			128	29
5 CO97232-2R/Y	242	44	105	26	101	24			149	31
6 CO97233-3R/Y	223	41	84	20	61	12			123	24
<b>Russet Trial</b>										
7 Russet Norkotah	127	34	89	29	65	18			94	27
8 AC96052-1RU	145	41	92	33	38	8			92	27
9 AOTX95265-2ARU	197	39	130	35	79	16			135	30
10 AOTX95265-4RU	158	33	94	26	57	12			103	24
11 AOTX98137-1RU	172	40	119	37	73	20			121	32
12 CO97137-1W	184	42	109	43	76	18			123	34
13 MWTX2609-4RU	207	36	128	28	109	16			148	27
14 TXDH-99-1RU	255	45	131	27	82	11			156	28
<b>Red Trial</b>										
15 Norland (Dark Red)	195	39	76	15	73	19			115	24
16 Red LaSoda	209	27	43	11	48	8			100	15
17 CO97078-5R	224	46	58	19	56	13			113	26
<b>Chip Trial</b>										
18 Atlantic	286	47	86	16			56	16	143	27
19 Chipeta	299	39	45	10			63	23	136	24
20 AC97097-14W	207	46	94	22			83	17	128	28
21 CO97043-14W	143	34	51	13			49	22	81	23
22 CO97065-7W	258	56	97	23			74	17	143	32
Mean	219	43	91	24	67	14	65	19	125	27

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

**Table 11. Yield and Percent B (<4 oz.) Tubers for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Yield <4 oz (Cwt/A & %)											
	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 Yukon Gold	24	4	35	9	42	9	55	22			39	11
2 AC97521-1R/Y	70	10	118	34	166	25	109	54			116	31
3 CO97226-2R/R	63	17	179	50	200	52	197	78			160	49
4 CO97232-1R/Y	69	13	132	38	118	27	90	41			102	30
5 CO97232-2R/Y	29	5	94	23	59	14	114	41			74	21
6 CO97233-3R/Y	53	10	56	13	112	22	111	40			83	21
<b>Russet Trial</b>												
7 Russet Norkotah	20	5	33	11	38	11	57	26			37	13
8 AC96052-1RU	38	11	42	15	60	12	46	41			46	20
9 AOTX95265-2ARU	34	7	49	13	46	9	66	20			49	12
10 AOTX95265-4RU	29	6	32	9	26	5	53	23			35	11
11 AOTX98137-1RU	31	7	52	16	53	14	61	27			49	16
12 CO97137-1W	60	14	59	23	73	17	74	36			67	23
13 MWTX2609-4RU	31	6	41	9	39	6	87	19			50	10
14 TXDH-99-1RU	31	5	59	12	71	10	90	19			63	12
<b>Red Trial</b>												
15 Norland (Dark Red)	18	3	62	12	46	12	100	43			56	18
16 Red LaSoda	16	2	32	8	49	8	71	32			42	12
17 CO97078-5R	44	9	49	16	50	12	115	52			65	22
<b>Chip Trial</b>												
18 Atlantic	20	3	41	8	41	9			25	7	32	7
19 Chipeta	37	5	27	6	52	8			74	26	47	11
20 AC97097-14W	41	9	66	15	65	16			76	16	62	14
21 CO97043-14W	51	12	34	8	46	13			31	14	41	12
22 CO97065-7W	22	5	51	12	49	11			73	17	49	11
Mean	38	8	61	16	68	15	88	36	56	16	62	18

**Table 12. Yield and Percent Culls/No. 2s for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Yield Culls/No. 2s (Cwt/A & %)											
	California				Colorado		Texas				Mean	
	KRN		TUL		SLV		SPR		DAL		Mean	
	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%	Cwt/A	%
<b>Specialty Trial</b>												
1 Yukon Gold	18	3	23	6	3	1	0	0			11	2
2 AC97521-1R/Y	11	2	17	5	2	1	0	0			8	2
3 CO97226-2R/R	8	2	10	3	0	0	0	0			5	1
4 CO97232-1R/Y	16	3	21	6	4	1	0	0			10	3
5 CO97232-2R/Y	5	1	19	5	3	1	0	0			7	2
6 CO97233-3R/Y	27	5	79	19	16	3	3	1			31	7
<b>Russet Trial</b>												
7 Russet Norkotah	6	2	16	5	0	0	13	6			9	3
8 AC96052-1RU	4	1	5	2	10	2	4	4			6	2
9 AOTX95265-2ARU	6	1	16	4	15	3	63	19			25	7
10 AOTX95265-4RU	4	1	15	4	21	4	47	20			22	7
11 AOTX98137-1RU	3	1	8	3	4	1	17	8			8	3
12 CO97137-1W	20	5	20	8	13	3	15	7			17	6
13 MWTX2609-4RU	15	3	30	7	19	3	129	28			48	10
14 TXDH-99-1RU	5	1	16	3	26	4	156	32			51	10
<b>Red Trial</b>												
15 Norland (Dark Red)	24	5	52	10	4	1	2	1			20	4
16 Red LaSoda	6	1	73	18	12	2	0	0			23	5
17 CO97078-5R	3	1	11	4	2	1	0	0			4	1
<b>Chip Trial</b>												
18 Atlantic	10	2	16	3	7	1			0	0	8	2
19 Chipeta	14	2	29	6	15	2			0	0	14	3
20 AC97097-14W	6	1	21	5	2	1			0	0	7	2
21 CO97043-14W	3	1	22	5	8	2			8	4	10	3
22 CO97065-7W	3	1	11	3	1	1			2	1	4	1
Mean	10	2	24	6	9	2	26	7	2	1	16	4

**Table 13. Specific Gravity for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	California	Colorado	Texas		Mean
	TUL	SLV	SPR	DAL	
<b>Specialty Trial</b>					
1 Yukon Gold	1.086	1.091	1.071		1.083
2 AC97521-1R/Y	1.075	1.096	1.062		1.078
3 CO97226-2R/R	1.075	1.081	1.066		1.074
4 CO97232-1R/Y	1.076	1.084	1.058		1.073
5 CO97232-2R/Y	1.070	1.071	1.054		1.065
6 CO97233-3R/Y	1.071	1.090	1.061		1.074
<b>Russet Trial</b>					
7 Russet Norkotah	1.064	1.087	1.056		1.069
8 AC96052-1RU	1.067	1.096	1.058		1.074
9 AOTX95265-2ARU	1.072	1.088	1.060		1.073
10 AOTX95265-4RU	1.069	1.081	1.059		1.070
11 AOTX98137-1RU	1.063	1.084	1.056		1.068
12 CO97137-1W	1.080	1.086	1.058		1.075
13 MWTX2609-4RU	1.075	1.091	1.059		1.075
14 TXDH-99-1RU	1.073	1.091	1.055		1.073
<b>Red Trial</b>					
15 Norland (Dark Red)	1.068	1.071	1.064		1.068
16 Red LaSoda	1.076	1.091	1.061		1.076
17 CO97078-5R	1.072	1.095	1.064		1.077
<b>Chip Trial</b>					
18 Atlantic	1.097	1.098		1.072	1.089
19 Chipeta	1.077	1.099		1.057	1.078
20 AC97097-14W	1.100	1.100		1.066	1.089
21 CO97043-14W	1.086	1.093		1.065	1.081
22 CO97065-7W	1.098	1.102		1.067	1.089
Mean	1.080	1.089	1.060	1.065	1.076



**Table 14. Average Tuber Weight (Size) and Shape for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Weight (oz.)			Mean	Shape <sup>1</sup>			Mean	
	California	Texas			California	Colorado	Texas		
	TUL	SPR	DAL		TUL	SLV	SPR		DAL
<b>Specialty Trial</b>									
1 Yukon Gold	7.8	5.5		6.7	3.5	2.0	3.5	3.0	
2 AC97521-1R/Y	6.0	3.7		4.8	2.5	3.0	3.9	3.1	
3 CO97226-2R/R	5.2	2.4		3.8	1.8	2.0	1.5	1.8	
4 CO97232-1R/Y	6.6	3.5		5.1	3.0	4.0	4.1	3.7	
5 CO97232-2R/Y	6.5	3.7		5.1	2.3	3.0	3.4	2.9	
6 CO97233-3R/Y	7.3	3.9		5.6	3.3	4.0	4.1	3.8	
<b>Russet Trial</b>									
7 Russet Norkotah	8.6	5.2		6.9	5.0	5.0	4.4	4.8	
8 AC96052-1RU	8.8	4.4		6.6	4.3	4.0	3.9	4.1	
9 AOTX95265-2ARU	8.1	5.1		6.6	4.3	5.0	4.0	4.4	
10 AOTX95265-4RU	8.1	5.2		6.6	4.8	4.0	4.0	4.3	
11 AOTX98137-1RU	8.4	4.9		6.6	5.0	5.0	4.1	4.7	
12 CO97137-1W	7.5	3.9		5.7	5.0	4.0	4.1	4.4	
13 MWTX2609-4RU	8.7	4.8		6.7	4.0	4.0	4.4	4.1	
14 TXDH-99-1RU	9.1	5.3		7.2	4.0	4.0	4.1	4.0	
<b>Red Trial</b>									
15 Norland (Dark Red)	7.8	4.2		6.0	2.3	2.0	3.4	2.6	
16 Red LaSoda	8.2	4.2		6.2	2.3	3.0	3.4	2.9	
17 CO97078-5R	6.7	3.1		4.9	2.0	1.0	2.3	1.8	
<b>Chip Trial</b>									
18 Atlantic	6.8		8.0	7.4	2.0	2.0		1.8	
19 Chipeta	8.5		5.2	6.9	2.0	2.0		1.8	
20 AC97097-14W	7.1		6.2	6.6	3.5	2.0		3.0	
21 CO97043-14W	7.7		6.5	7.1	1.8	1.0		1.5	
22 CO97065-7W	6.7		7.1	6.9	2.0	1.0		2.2	
Mean	7.5	4.3	6.6	6.2	3.2	3.0	3.7	2.1	

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

**Table 15. Eye Depth and Growth Cracks for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety	Eye Depth <sup>1</sup>			Mean	Growth Cracks <sup>2</sup>			Mean
	California	Texas			Colorado	Texas		
	TUL	SPR	DAL		SLV	SPR	DAL	
<b>Specialty Trial</b>								
1 Yukon Gold	3.3	4.0		3.7	5.0	5.0		5.0
2 AC97521-1R/Y	3.3	3.8		3.5	5.0	5.0		5.0
3 CO97226-2R/R	2.3	3.8		3.0	5.0	5.0		5.0
4 CO97232-1R/Y	3.8	4.0		3.9	4.0	5.0		4.5
5 CO97232-2R/Y	2.8	4.0		3.4	5.0	5.0		5.0
6 CO97233-3R/Y	4.0	4.1		4.1	4.0	5.0		4.5
<b>Russet Trial</b>								
7 Russet Norkotah	3.8	3.6		3.7	5.0			5.0
8 AC96052-1RU	3.8	3.9		3.8	4.0	5.0		4.5
9 AOTX95265-2ARU	3.5	3.5		3.5	5.0	5.0		5.0
10 AOTX95265-4RU	3.5	3.6		3.6	5.0	5.0		5.0
11 AOTX98137-1RU	3.8	3.5		3.7	5.0	5.0		5.0
12 CO97137-1W	4.8	4.0		4.4	5.0	5.0		5.0
13 MWTX2609-4RU	3.5	3.1		3.3	5.0	4.9		4.9
14 TXDH-99-1RU	4.0	4.0		4.0	5.0	5.0		5.0
<b>Red Trial</b>								
15 Norland (Dark Red)	3.0	2.8		2.9	4.0	5.0		4.5
16 Red LaSoda	2.8	2.1		2.5	4.0	5.0		4.5
17 CO97078-5R	4.0	4.1		4.1	5.0	5.0		5.0
<b>Chip Trial</b>								
18 Atlantic	3.3		3.8	3.6	5.0		5.0	5.0
19 Chipeta	3.3		4.2	3.7	5.0		5.0	5.0
20 AC97097-14W	4.8		4.4	4.6	5.0		5.0	5.0
21 CO97043-14W	3.3		4.1	3.7	5.0		5.0	5.0
22 CO97065-7W	2.5		4.0	3.3	5.0		5.0	5.0
Mean	3.5	3.6	4.1	3.6	4.8	5.0	5.0	4.9

<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, 2005**

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>
<b>Specialty Trial</b>								
1 Yukon Gold	0.0	0.0	5.0		1.7	4.7	1	3
2 AC97521-1R/Y	0.0	0.4	5.0		1.8	3.6	4	4
3 CO97226-2R/R	0.0	0.0	0.0		0.0			
4 CO97232-1R/Y	0.0	0.0	0.0		0.0	4.0	1	2
5 CO97232-2R/Y	0.0	0.0	0.0		0.0	5.0	1	2
6 CO97233-3R/Y	0.0	1.0	0.0		0.3	4.7	1	2
<b>Russet Trial</b>								
7 Russet Norkotah	8.0	0.0	0.0		2.7	4.5	2	3
8 AC96052-1RU	5.0	0.6	0.0		1.9	3.8	0	1
9 AOTX95265-2ARU	25.0	0.0	0.0		8.3	3.9	2	3
10 AOTX95265-4RU	28.0	1.0	0.0		9.7	4.4	2	3
11 AOTX98137-1RU	10.0	0.4	0.0		3.5	4.6	2	2
12 CO97137-1W	0.0	0.0	0.0		0.0	2.6	3	4
13 MWTX2609-4RU	0.0	0.0	0.0		0.0	3.6	3	3
14 TXDH-99-1RU	0.0	0.0	0.0		0.0	4.0	3	3
<b>Red Trial</b>								
15 Norland (Dark Red)	0.0	0.0	0.0		0.0	4.5	1	3
16 Red LaSoda	0.0	24.8	2.5		9.1	4.6	2	3
17 CO97078-5R	0.0	0.0	0.0		0.0	3.6	1	3
<b>Chip Trial</b>								
18 Atlantic	0.0	3.4		46.7	16.7	2.7		
19 Chipeta	0.0	0.0		0.0	0.0	4.1		
20 AC97097-14W	0.0	0.4		20.0	6.8	3.6		
21 CO97043-14W	0.0	0.0		0.0	0.0	2.9		
22 CO97065-7W	0.0	0.0		6.7	2.2	3.4		
Mean	3.5	1.5	0.7	14.7	2.9	3.9	1.8	2.8

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

<sup>2</sup> 1=light, 5= dark

<sup>3</sup> at harvest

<sup>4</sup> After 9 weeks at 45° F

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

Clone / Variety	Chip Color <sup>1</sup>			
	40 <sup>2</sup>	R40 <sup>2</sup>	50 <sup>3</sup>	R50 <sup>3</sup>
Atlantic	4.0	4.0	2.5	2.0
Chipeta	4.5	3.5	2.0	2.0
AC97097-14W	3.5	2.5	2.5	2.0
CO97043-14W	3.5	3.0	1.5	1.5
CO97065-7W	3.0	3.5	2.0	1.5

<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

**Table 18 Antioxidant Activity as Determined by the DPPH Assay<sup>1</sup>  
for Clones in the Southwestern Regional Trial, 2005**

Clone / Variety		TroloxEq <sup>2</sup>	AscoEq
<b>Specialty Trial</b>			
1	Yukon Gold	122.0	119.2
2	AC97521-1R/Y	65.8	64.3
3	CO97226-2R/R	312.1	305.0
4	CO97232-1R/Y	175.3	171.3
5	CO97232-2R/Y	115.2	112.6
6	CO97233-3R/Y	294.3	287.6
<b>Russet Trial</b>			
7	Russet Norkotah	185.1	180.8
8	AC96052-1RU	37.5	36.6
9	AOTX95265-2ARU	98.0	95.8
10	AOTX95265-4RU	278.6	272.2
11	AOTX98137-1RU	185.4	181.1
12	CO97137-1W	na	na
13	MWTX2609-4RU	173.7	169.7
14	TXDH-99-1RU	43.7	42.7
<b>Red Trial</b>			
15	Norland (Dark Red)	na	na
16	Red LaSoda	na	na
17	CO97078-5R	202.5	197.9
<b>Chip Trial</b>			
18	Atlantic	107.3	104.9
19	Chipeta	238.1	232.6
20	AC97097-14W	39.0	38.1
21	CO97043-14W	160.3	156.6
22	CO97065-7W	190.3	186.0
Average		159.2	155.5

<sup>1</sup> The assay used at Texas A&M University was based on "Use of a Free Radical Method to Evaluate Antioxidant Activity" by Brand-Williams, et al. 1995, *Levensm. Wiss. Technol.* 28:25-30. Antioxidants soluble in methonal were extracted and allowed to react with the stable radical, 2,2,-Diphenyl-1-picrylhydrazyl (DPPH). This provided a rapid evaluation of the antioxidant properties of the potato extracts based on absorbance.

<sup>2</sup>  $\mu\text{g}$  Trolox equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation:  $y=891.69x$ .

<sup>3</sup>  $\mu\text{g}$  Ascorbic acid equivalents/gfw - Absorbance was converted to ascorbic acid equivalents based on a standard curve using the following equation:  $y=871.24x$ .

**Table 19. Summary for Clones in the Southwestern Regional Trial, 2005**

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 Ccolor
<b>Specialty Trial</b>														
1 Yukon Gold	87	2.3	3.8	2.8	410	88	32	11	2	3.0	1.083	Oval	6.7	White
2 AC97521-1R/Y	91	3.4	4.7	3.5	483	70	5	31	2	4.0	1.078	Oval	4.8	Red
3 CO97226-2R/R	95	3.0	3.5	3.2	342	54	1	49	1	2.0	1.074	Round	3.8	Red
4 CO97232-1R/Y	94	2.7	3.6	2.8	378	71	4	30	3	3.0	1.073	Oblong	5.1	Red
5 CO97232-2R/Y	77	2.8	3.5	3.0	412	79	13	21	2	2.5	1.065	Round	5.1	Red
6 CO97233-3R/Y	83	3.0	4.1	3.2	441	74	13	21	7	3.4	1.074	Oblong	5.6	Red
<b>Russet Trial</b>														
7 Russet Norkotah	96	2.3	3.0	2.8	313	85	25	13	3	2.1	1.069	Long	6.9	Russet
8 AC96052-1RU	90	2.7	4.2	3.6	313	81	14	20	2	3.3	1.074	Oblong	6.6	Russet
9 AOTX95265-2ARU	98	2.9	3.7	3.2	426	82	24	12	7	2.6	1.073	Oblong	6.6	Russet
10 AOTX95265-4RU	96	2.5	3.9	3.2	388	83	26	11	7	2.7	1.070	Oblong	6.6	Russet
11 AOTX98137-1RU	97	2.6	3.4	3.0	339	83	15	16	3	2.6	1.068	Oblong	6.6	Russet
12 CO97137-1W	95	2.4	3.5	2.9	333	75	9	23	6	2.0	1.075	Oblong	5.7	White
13 MWTX2609-4RU	97	3.0	4.0	3.5	534	81	24	10	10	4.0	1.075	Long	6.7	Russet
14 TXDH-99-1RU	96	2.8	4.2	3.6	562	79	24	12	10	4.0	1.073	Oblong	7.2	Russet
<b>Red Trial</b>														
15 Norland (Dark Red)	91	2.8	3.0	2.1	407	79	20	18	4	2.4	1.068	Oval	6.0	Red
16 Red LaSoda	94	2.9	4.0	2.8	505	83	28	12	5	2.1	1.076	Oval	6.2	Red
17 CO97078-5R	88	2.3	3.7	2.7	357	79	13	22	1	3.1	1.077	Round	4.9	Red
<b>Chip Trial</b>														
18 Atlantic	93	3.6	3.9	3.3	488	93	33	7	2	2.0	1.089	Round	7.4	Buff
19 Chipeta	95	4.7	4.3	3.9	535	87	29	11	3	4.5	1.078	Oval	6.9	White
20 AC97097-14W	80	4.1	3.9	3.5	443	87	19	14	2	1.5	1.089	Oval	6.6	White
21 CO97043-14W	63	3.3	3.6	3.3	349	87	35	12	3	4.0	1.081	Round	7.1	White
22 CO97065-7W	88	4.2	3.4	3.0	441	88	22	11	1	3.0	1.089	Round	6.9	White

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

Status of Entries following the Southwestern Regional Trial- 2006 Worksheet

										Average Total Yield		
Clone / Variety		Entered by		Status		Years in Trial	2004	2005	Mean	% of check		
1	Yukon Gold		----	Check			418	410	414			
2	AC97521-1R/Y		CO			1		483		118		
3	CO97226-2R/R		CO			1		342		84		
4	CO97232-1R/Y		CO			1		378		92		
5	CO97232-2R/Y		CO			1		412		100		
6	CO97233-3R/Y		CO			1		441		108		
7	Russet Norkotah		----	Check			376	313	376			
8	AC96052-1RU		CO			1		313		100		
9	AOTX95265-2ARU		TX			1		426		136		
10	AOTX95265-4RU		TX			1		388		124		
11	AOTX98137-1RU		TX			1		339		108		
12	CO97137-1W		CO			1		333		106		
11	MWTX2609-4Ru		TX			2	541	534	541	171		
14	TXDH-99-1RU		TX			1		562		180		
15	Norland (Dark Red)		----	Check				407				
16	Red LaSoda		----	Check				505				
17	CO97078-5R		CO			1		357		78		
18	Atlantic		----	Check			579	488	579			
19	Chipeta		----	Check			566	535	566			
20	AC97097-14W		CO			1		443		87		
21	CO97043-14W		CO			1		349		68		
22	CO97065-7W		CO			1		441		86		
<b>New Entries</b>												
	Russets		Reds		Specialty		Chips					
	AOTX95265-1Ru	TX	ATTX98453-6R	TX	ATTX961014-1R/Y	TX	ATX95490-2W	TX				
	AOTX95265-3Ru	TX	COTX00104-7R	TX	ATTX98500-2P/Y	TX	TX1475-3W	TX				
	AOTX95265-4Ru03	TX	COTX94218-1R	TX	ATDC9801-3P	CO	CO98277-4W	CO				
	AOTX95295-3Ru	TX	NDTX4784-7R	TX	CO97215-2P/P	CO	CO98303-8W	CO				
	ATX9117-1Ru	TX	NDTX4828-2R	TX	CO97216-3P/P	CO						
	ATX9130-1Ru	TX			CO97222-1R/R	CO						
	ATX9202-3Ru	TX			CO97227-2P/P	CO						
	ATX97147-4Ru	TX			CO97274-2W/Y	CO						
	AC97068-2RU	CO			ATC98444-1R/Y	CO						
	CO97087-2RU	CO			ATC98495-1W/Y	CO						
	CO97090-4RU	CO			ATC98509-1R/Y	CO						
	CO97138-3RU	CO			ATC98515-1R/Y	CO						
	CO97138-7RU	CO										

Compiled by Jeff Koym\*, Douglas Scheuring, and Creighton Miller  
Cover by Douglas Scheuring  
Edited by Jeannie Miller  
Department of Horticultural Sciences  
Texas A&M University  
College Station and Lubbock\*

California data provided by Joe Nunez, Harry Carlson and Don Kirby  
Colorado data provided by David Holm and Fahrettin Goktepe