

2016 Western Regional Red/Specialty Trial

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Table 1. Western Regional Red/Specialty Potato Variety Trial - Locations, Cooperators, and Cultural Information

Locations	Cooperators	Trial	Irrigation	Fertilizer	Planting	Vine Kill	Vine Kill	Harvest	Pesticides Applied		
				N-P-K-S (lb./A)	Date	Date	Method	Date	Herbicides	Insecticides	Fungicides
Ontario Oregon (ON)	C. Shock E. Feibert M.Saunders		Sprinkler, solid set	100-0-40	4/26/2016	9/27/2016	Mechanical	9/28/2016	Dual Magnum Prowl H2O Matrix	Agrimek Movento	Bravo
Tulelake California (TUL)*	R. Wilson D. Culp K. Nicholson S. Peterson	Late	Sprinkler	185-0-100	5/18/2016	9/8/2016	Roll/Reglone	9/29/2016	Roundup PM Prowl H2O Outlook Matrix	Vydate	Omega Tanos
San Luis Valley Colorado (SLV)	D. Holm, C. Gray K. Zavislan	Late	Pivot	117-60-80-25S-2.5Zn	5/20/2016	8/30/2016	Reglone	9/27/2016	Dual Magnum Boundary Brawl II	Leverage 360 Mineral Oil	Quadris Opti Bravo Ultrex Endura
Aberdeen Idaho (AB)	J. Stark, R. Novy, J. Whitworth, P. Bain, C Lowder J Hatch	Early	Sprinkler	197-170-0-10Zn-5Mn	5/5/2016	8/23/2016	Mechanical	9/7/2016	TriCor 4F Matrix Eptam 7-E	Admire Pro	
Springlake Texas (SPL)**	J. C. Miller Jr., J. Koym, D. Scheuring	Early	Pivot	133-28-28	4/3/2016	7/8/2016	Mechanical	7/12/2016	Roundup Dual Matrix Stealth	Movento, Blackhawk Sivanto, Enzo, Scorpion Torac, Venom Cruiser Maxx	Scala, Quadris Copper, Echo Tanos, Revus
Dalhart Texas (DAL)***	J. C. Miller Jr., J. Koym, D. Scheuring	Early	Pivot	263-218-227	5/5/2016	8/15/2016	Reglone	10/3/2016	Select Max, Tricor Chateau Brawl Acumen Marix SG, Reglone	Beleaf Fulfill Movento Reaper, Torac Grandevo, Sivanto 200SL	Quadris, Scala SC Penncozeb, Orondis Opti A Bravo, Plantinum Copper Revus Top, Curzate 60DF Gavel 75DF, Ranman

*

**These trials were subjected to above average precipitation for May, June, July and August and a heavy infestation of psyllids.

***These trials were subjected to above average precipitation for the entire growing season.

Table 2. Description of Clones - 2016 Western Regional Red/Specialty Trial

Clone/Variety	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Flesh Color	Entered			DISPO
	Female	Male							By	Seed	Year	
Red/White Flesh												
1 Chieftain	La 1354	La 1027-18	Lt Violet	Med-Large	Med	Oblong	Dark Red	White	Check	OR	***	
2 Red LaSoda	Triumph	Katahdin	Red-purple	Med	Med-late	Oval	Lt. Red	White	Check	OR	***	
Red-Purple/Yellow Flesh												
3 AC03534-2R/Y	ATA98472-2Y	Mazama	Purple	Med-Large	Medium	Oval	Red	Yellow	ID	OR	1	
4 AC05175-3P/Y	A99331-2R/Y	COA99261-1RY	Dark Purple	Small	Very Early	Oval	Purple	Yellow	CO	CO	3	
5 ATTX98514-1R/Y	T51YF	A93456-6R	Red-purple	Large	Med-Late	Oblong	Red	Yellow	TX	CO	2	
6 CO05035-1PW/Y	Masquerade	US147-96	Red-purple	Med-Large	Medium	Oblong	Purple/White	Yellow	CO	CO	2	
7 COA07365-4RY	US147-96	CO99256-2R	Med Red-purple	Medium	Med-early	Oval	Red	Yellow	CO	CO	2	
8 NDTX059759-3RY/Y Pinto	ATND 99331-2 Pinto	ND 7834-2P	Red-purple	Large	Late	Oblong	Red/White	Yellow	TX	NE	1	
Yellow Flesh												
9 Yukon Gold	Norgleam	W5279-4	Pink	Med	Early	Oval	White	Yellow	Check		***	
10 A06336-2Y	VC1009-1W/Y	US 147-96 R/Y	Lt Red-purple	Medium	Med-early	Oval	Champagne/Pine Eye	Yellow	Check	OR	1	
11 A06336-5Y	VC1009-1W/Y	US 147-96 R/Y	Lt Red-purple	Medium	Med-early	Oval	Champagne/Pine Eye	Yellow	ID	OR	1	
12 COTX03134-1W	Laratte	PA97B36-3	Lavender	Small	Late	Oblong	White	White	TX	NE	2	
13 TXWL-1	Triumph	Katahdin	Red-purple	Med-large	Med-late	Oblong	White	White	TX	NE	2	

Table 3. Percent Stand

Entry	Clone/Variety	Percent Stand					Mean
		CA TUL	CO SLV	ID AB	TX SPL	TX DAL	
Red/White Flesh							
1	Chieftain	89	99	83	98	100	94
2	Red LaSoda	95	100	97	100	100	98
Red-Purple/Yellow Flesh							
3	AC03534-2R/Y	89	84	91	98	100	92
4	AC05175-3P/Y	97	94	98	100	100	98
5	ATTX98514-1R/Y	85	98	98	100	100	96
6	CO05035-1PW/Y	90	97	99	100	100	97
7	COA07365-4RY	87	98	100	100	100	97
8	NDTX059759-3RY/Y Pinto	99	92	98	100	100	98
Yellow Flesh							
9	Yukon Gold	94	97	95	100	100	97
10	A06336-2Y	97		99	100	100	99
11	A06336-5Y	88	82	99	98	100	93
12	COTX03134-1W	100	100	99	100	100	100
13	TXWL-1	97	100	99	98	100	99
Mean							
		93	95	96	99	100	97

Table 4. Vine Size and Vine Maturity

Entry Clone/Variety	Vine Size (1-5 large)					Vine Maturity (1-5 late)				
	CO	ID	TX	TX	Mean	CO	ID	TX	TX	Mean
	SLV	AB	SPL	DAL		SLV	AB	SPL	DAL	
Red/White Flesh										
1 Chieftain	3.0	1.8	3.7	4.0	3.1	3.3	2.5	3.3	3.5	3.1
2 Red LaSoda	2.8	2.0	4.3	4.5	3.4	3.0	3.0	4.7	4.8	3.9
Red-Purple/Yellow Flesh										
3 AC03534-2R/Y	3.0	1.8	3.6	3.9	3.1	3.5	2.5	3.0	3.8	3.2
4 AC05175-3P/Y	2.0	1.0	3.4	4.2	2.7	1.3	1.0	3.0	3.3	2.1
5 ATTX98514-1R/Y	3.5	2.0	3.4	4.2	3.3	2.8	1.3	4.3	5.0	3.3
6 CO05035-1PW/Y	4.0	2.8	4.0	4.5	3.8	3.8	2.6	5.0	4.5	4.0
7 COA07365-4RY	2.8	1.8	3.6	3.7	2.9	3.0	2.9	3.5	3.5	3.2
8 NDTX059759-3RY/Y Pinto	4.8	2.8	3.5	4.7	3.9	4.0	3.3	5.0	5.0	4.3
Yellow Flesh										
9 Yukon Gold	3.3	1.3	3.9	4.2	3.1	2.5	1.3	3.2	3.5	2.6
10 A06336-2Y		1.5	3.7	4.2	3.1		2.4	3.5	3.7	3.2
11 A06336-5Y	1.8	1.3	3.4	3.6	2.5	2.0	2.1	3.3	3.0	2.6
12 COTX03134-1W	3.8	1.5	3.9	4.0	3.3	3.0	1.8	3.3	5.0	3.3
13 TXWL-1	4.0	2.0	3.8	4.2	3.5	3.3	2.9	4.3	3.7	3.5
Mean	3.2	1.8	3.7	4.1	3.2	2.9	2.3	3.8	4.0	3.3

Table 5. Total Yield

Entry Clone/Variety	Total Yield (cwt/A)						Mean	Rank
	OR ON	CA TUL	CO SLV	ID AB	TX SPL	TX DAL		
Red/White Flesh								
1 Chieftain	613	504	528	382	300	627	492	2
2 Red LaSoda	682	535	495	519	410	700	557	1
Red-Purple/Yellow Flesh								
3 AC03534-2R/Y	639	505	490	471	250	428	464	2
4 AC05175-3P/Y	436	394	336	264	316	555	384	5
5 ATTX98514-1R/Y	495	438	455	290	306	383	394	4
6 CO05035-1PW/Y	643	472	555	547	345	600	527	1
7 COA07365-4RY	387	373	387	315	173	366	333	6
8 NDTX059759-3RY/Y Pinto	576	383	539	447	251	440	440	3
Yellow Flesh								
9 Yukon Gold	530	415	395	326	315	395	396	2
10 A06336-2Y	608	367		353	169	434	386	3
11 A06336-5Y	498	359	321	373	190	469	368	5
12 COTX03134-1W	510	359	508	353	288	248	378	4
13 TXWL-1	750	620	603	579	340	672	594	1
Mean	567	440	468	402	281	486	439	

Indicates high or strength

Table 6. Yield and Percent < 4 oz

Entry	Clone/Variety	Yield < 4 oz (Cwt)								Percent < 4 oz							
		OR ON	CA TUL	CO SLV	ID AB	TX SPL	TX DAL	Mean	Rank	OR ON	CA TUL	CO SLV	ID AB	TX SPL	TX DAL	Mean	Rank
Red/White Flesh																	
1	Chieftain	67	48	50	32	224	81	84	2	11	9	9	8	75	13	21	1
2	Red LaSoda	60	43	29	29	328	81	95	1	9	8	6	6	80	12	20	2
Red-Purple/Yellow Flesh																	
3	AC03534-2R/Y	290	157	119	180	243	63	175	1	45	31	24	38	97	15	42	3
4	AC05175-3P/Y	215	121	73	173	265	95	157	2	49	31	22	65	84	17	45	2
5	ATTX98514-1R/Y	99	47	44	66	189	45	82	6	20	11	10	23	62	12	23	5
6	CO05035-1PW/Y	121	52	43	50	268	58	99	5	19	11	8	9	78	10	22	6
7	COA07365-4RY	227	74	111	145	170	172	150	3	59	20	29	46	98	47	50	1
8	NDTX059759-3RY/Y Pinto	241	92	106	101	225	57	137	4	42	24	20	23	90	13	35	4
Yellow Flesh																	
9	Yukon Gold	74	48	49	64	138	31	67	4	14	12	12	20	44	8	18	4
10	A06336-2Y	158	77		157	150	82	125	3	26	21		45	89	19	40	3
11	A06336-5Y	335	204	132	302	188	202	227	2	67	57	41	81	99	43	65	2
12	COTX03134-1W	459	338	417	302	288	113	320	1	90	94	82	86	100	45	83	1
13	TXWL-1	64	33	47	35	156	38	62	5	9	5	8	6	46	6	13	5
Mean		185	103	102	126	218	86	137		35	26	23	35	80	20	37	

Table 7. Yield and Percent 4-6 oz.

Entry	Clone/Variety	Yield 4-6 oz (Cwt)						Percent 4-6 oz (%)					
		CA	ID	TX	TX	Mean	Rank	CA	ID	TX	TX	Mean	Rank
		TUL	AB	SPL	DAL			TUL	AB	SPL	DAL		
Red/White Flesh													
1	Chieftain	55	38	49	232	94	2	11	10	16	37	19	1
2	Red LaSoda	63	39	66	221	97	1	12	7	16	32	17	2
Red-Purple/Yellow Flesh													
3	AC03534-2R/Y	144	149	7	186	121	3	28	32	3	43	27	5
4	AC05175-3P/Y	117	67	50	274	127	1	30	25	16	49	30	1
5	ATTX98514-1R/Y	65	51	85	200	100	5	15	18	28	52	28	3
6	CO05035-1PW/Y	79	73	70	240	116	4	17	13	20	40	23	6
7	COA07365-4RY	112	105	1	176	98	6	30	33	1	48	28	4
8	NDTX059759-3RY/Y Pinto	115	117	26	234	123	2	30	26	10	53	30	2
Yellow Flesh													
9	Yukon Gold	74	83	101	101	90	3	18	26	32	26	25	2
10	A06336-2Y	104	124	13	229	117	1	28	35	8	53	31	1
11	A06336-5Y	102	56	2	221	95	2	28	15	1	47	23	3
12	COTX03134-1W	17	33	0	123	43	5	5	9	0	50	16	4
13	TXWL-1	47	50	66	123	72	4	8	9	20	18	14	5
Mean		84	76	41	197	100		20	20	13	42	24	

Table 8. Yield and Percent 6-10 oz.

Entry	Clone/Variety	Yield 6-10 oz (Cwt)						Percent 6-10 oz (%)					
		CA	ID	TX	TX	Mean	Rank	CA	ID	TX	TX	Mean	Rank
		TUL	AB	SPL	DAL			TUL	AB	SPL	DAL		
Red/White Flesh													
1	Chieftain	150	108	21	197	119	1	30	28	7	31	24	1
2	Red LaSoda	112	117	15	216	115	2	21	23	4	31	19	2
Red-Purple/Yellow Flesh													
3	AC03534-2R/Y	141	125	0	167	108	2	28	27	0	39	23	4
4	AC05175-3P/Y	129	24	1	167	80	5	33	9	0	30	18	5
5	ATTX98514-1R/Y	146	80	25	138	97	4	33	28	8	36	26	2
6	CO05035-1PW/Y	175	195	7	217	148	1	37	36	2	36	28	1
7	COA07365-4RY	152	57	0	16	56	6	41	18	0	4	16	6
8	NDTX059759-3RY/Y Pinto	130	138	0	139	102	3	34	31	0	31	24	3
Yellow Flesh													
9	Yukon Gold	146	118	70	162	124	2	35	36	22	41	34	1
10	A06336-2Y	137	65	1	89	73	3	37	18	0	21	19	3
11	A06336-5Y	38	12	0	40	23	4	11	3	0	9	6	4
12	COTX03134-1W	0	7	0	3	3	5	0	2	0	1	1	5
13	TXWL-1	111	120	103	246	145	1	18	21	30	37	26	2
Mean		121	90	19	138	92		28	21	6	27	20	

Table 9. Yield and Percent >10 oz.

Entry	Clone/Variety	Yield >10 oz (Cwt/A)								Percent >10 oz (%)							
		OR	CA	CO	ID	TX	TX			OR	CA	CO	ID	TX	TX		
		ON	TUL	SLV	AB	SPL	DAL	Mean	Rank	ON	TUL	SLV	AB	SPL	DAL	Mean	Rank
Red/White Flesh																	
1	Chieftain	111	176	188	182	0	117	129	2	18	35	36	48	0	19	26	2
2	Red LaSoda	174	103	204	294	0	182	159	1	25	19	41	57	0	26	28	1
Red-Purple/Yellow Flesh																	
3	AC03534-2R/Y	27	30	98	13	0	12	30	4	4	6	20	3	0	3	6	4
4	AC05175-3P/Y	8	25	41	0	0	5	13	5	2	6	12	0	0	1	4	5
5	ATTX98514-1R/Y	67	112	177	66	0	0	70	2	14	26	39	23	0	0	17	2
6	CO05035-1PW/Y	122	154	297	211	0	45	138	1	19	33	53	38	0	8	25	1
7	COA07365-4RY	1	20	51	0	0	0	12	6	0	5	13	0	0	0	3	6
8	NDTX059759-3RY/Y Pinto	28	40	132	66	0	11	46	3	5	10	24	15	0	3	10	3
Yellow Flesh																	
9	Yukon Gold	105	130	117	58	5	94	85	2	20	31	30	18	1	24	21	2
10	A06336-2Y	28	18		2	0	14	12	3	5	5		1	0	3	3	3
11	A06336-5Y	2	1	4	0	0	0	1	4	0	0	1	0	0	0	0	4
12	COTX03134-1W	0	0	5	0	0	0	1	5	0	0	1	0	0	0	0	5
13	TXWL-1	135	209	322	304	15	248	206	1	18	34	53	53	4	37	33	1
Mean		62	78	136	92	1	56	69		10	16	27	20	0	9	13	

Table 10. Yield and Percent 4 -10 oz.

Entry	Clone/Variety	Yield 4-10 oz (Cwt/A)								Percent 4-10 oz (%)							
		OR	CA	CO	ID	TX	TX			OR	CA	CO	ID	TX	TX		
		ON	TUL	SLV	AB	SPL	DAL	Mean	Rank	ON	TUL	SLV	AB	SPL	DAL	Mean	Rank
Red/White Flesh																	
1	Chieftain	284	206	287	219	71	430	249	2	46	41	54	57	24	37	43	1
2	Red LaSoda	232	175	251	333	81	437	251	1	34	33	51	64	20	34	39	2
Red-Purple/Yellow Flesh																	
3	AC03534-2R/Y	293	285	270	163	7	353	228	3	46	56	55	35	3	33	38	5
4	AC05175-3P/Y	202	246	222	67	51	440	205	5	46	62	66	25	16	37	42	2
5	ATTX98514-1R/Y	285	212	215	117	110	338	213	4	58	48	47	40	36	39	45	1
6	CO05035-1PW/Y	317	254	200	283	77	458	265	1	49	54	36	52	22	36	42	4
7	COA07365-4RY	128	264	215	105	1	192	151	6	33	71	56	33	1	33	38	6
8	NDTX059759-3RY/Y Pinto	275	245	289	183	26	372	232	2	48	64	54	41	10	36	42	3
Yellow Flesh																	
9	Yukon Gold	226	220	222	141	171	263	207	3	43	53	56	43	54	42	49	1
10	A06336-2Y	359	241		126	13	318	211	2	59	66		36	8	34	40	3
11	A06336-5Y	135	140	183	56	2	261	130	4	27	39	57	15	1	24	27	4
12	COTX03134-1W	39	18	85	33	0	126	50	5	8	5	17	9	0	7	8	5
13	TXWL-1	321	158	208	355	169	369	263	1	43	26	34	61	50	36	42	2
Mean		238	205	221	168	60	335	204		42	47	49	39	19	33	38	

Table 11. Yield and Percent Culls

Entry	Clone/Variety	Yield Culls (Cwt/A)								Percent Culls (%)							
		OR	CA	CO	ID	TX	TX			OR	CA	CO	ID	TX	TX		
		ON	TUL	SLV	AB	SPL	DAL	Mean	Rank	ON	TUL	SLV	AB	SPL	DAL	Mean	Rank
Red/White Flesh																	
1	Chieftain	28	74	3	23	5	0	22	2	5	15	1	6	2	0	5	2
2	Red LaSoda	17	214	11	40	0	0	47	1	3	40	2	8	0	0	9	1
Red-Purple/Yellow Flesh																	
3	AC03534-2R/Y	13	33	3	3	0	0	9	5	2	7	1	1	0	0	2	5
4	AC05175-3P/Y	5	2	0	1	0	14	4	6	1	1	0	0	0	3	1	6
5	ATTX98514-1R/Y	6	67	19	27	7	0	21	1	1	15	4	9	2	0	5	1
6	CO05035-1PW/Y	6	12	16	19	0	38	15	2	1	3	3	4	0	6	3	2
7	COA07365-4RY	14	16	10	8	2	2	9	3	4	4	3	3	1	1	2	3
8	NDTX059759-3RY/Y Pinto	8	7	12	26	0	0	9	4	1	2	2	6	0	0	2	4
Yellow Flesh																	
9	Yukon Gold	8	18	7	3	2	7	8	3	1	4	2	1	1	2	2	3
10	A06336-2Y	9	31		5	5	21	14	2	2	8		2	3	5	4	2
11	A06336-5Y	9	13	2	2	0	5	5	4	2	4	1	1	0	1	1	5
12	COTX03134-1W	4	3	1	12	0	9	5	5	1	1	0	3	0	4	1	4
13	TXWL-1	19	220	26	69	0	16	58	1	3	35	4	12	0	2	9	1
Mean		11	55	9	18	2	9	17		2	11	2	4	1	2	4	

Table 12. Specific Gravity

Entry	Clone/Variety	Specific Gravity					Mean	Rank	
		OR ON	CA TUL	CO SLV	ID AB	TX SPL			TX DAL
Red/White Flesh									
1	Chieftain	1.079	1.071	1.074	1.075	1.073	1.056	1.072	2
2	Red LaSoda	1.079	1.068	1.077	1.079	1.072	1.058	1.072	1
Red-Purple/Yellow Flesh									
3	AC03534-2R/Y	1.070	1.065	1.071	1.072	1.072	1.050	1.066	4
4	AC05175-3P/Y	1.063	1.064	1.068	1.065	1.075	1.055	1.065	5
5	ATTX98514-1R/Y	1.068	1.064	1.070	1.062	1.066	1.050	1.063	6
6	CO05035-1PW/Y	1.082	1.073	1.082	1.079	1.074	1.057	1.074	2
7	COA07365-4RY	1.078	1.072	1.078	1.079	1.075	1.058	1.073	3
8	NDTX059759-3RY/Y Pinto	1.081	1.078	1.085	1.077	1.069	1.061	1.075	1
Yellow Flesh									
9	Yukon Gold	1.084	1.082	1.088	1.089	1.080	1.060	1.081	2
10	A06336-2Y	1.078	1.072		1.075	1.072	1.056	1.071	4
11	A06336-5Y	1.069	1.066	1.071	1.073	1.074	1.048	1.067	5
12	COTX03134-1W	1.087	1.080	1.082	1.085	1.090	1.059	1.081	1
13	TXWL-1	1.080	1.074	1.077	1.074	1.067	1.051	1.071	3
Mean		1.077	1.072	1.077	1.076	1.074	1.055	1.072	

Table 13. Average Tuber Size and Tubers Per Plant

Entry	Clone/Variety	Average Tuber Size (oz)					Tubers/plant					
		OR	CA	ID	TX	TX		CA	ID	TX	TX	
		ON	TUL	AB	SPL	DAL	Mean	TUL	AB	SPL	DAL	Mean
Red/White Flesh												
1	Chieftain	6.5	7.5	8.3	2.2	4.3	5.8	7.0	4.9	11.3	10.6	8.4
2	Red LaSoda	7.6	7.7	9.5	2.1	4.7	6.3	6.7	4.9	16.0	11.0	9.6
Red-Purple/Yellow Flesh												
3	AC03534-2R/Y	3.0	4.4	3.6	1.2	3.3	3.1	11.9	12.0	18.1	9.5	12.9
4	AC05175-3P/Y	3.2	4.4	3.2	2.0	3.5	3.3	8.4	7.6	12.8	11.7	10.1
5	ATTX98514-1R/Y	5.0	6.6	5.1	2.7	4.1	4.7	7.2	5.0	9.2	6.9	7.1
6	CO05035-1PW/Y	4.9	6.7	7.2	2.1	4.2	5.0	7.2	6.6	13.5	10.4	9.4
7	COA07365-4RY	2.6	5.0	3.6	1.2	2.1	2.9	8.0	7.6	11.4	12.7	9.9
8	NDTX059759-3RY/Y Pinto	3.5	4.8	4.9	1.5	3.7	3.7	7.4	8.1	13.4	8.8	9.4
Yellow Flesh												
9	Yukon Gold	6.2	6.5	5.3	2.8	5.6	5.3	6.2	5.5	9.2	5.1	6.5
10	A06336-2Y	4.3	4.9	3.5	1.7	3.1	3.5	7.1	8.8	8.5	10.2	8.7
11	A06336-5Y	2.8	3.3	2.2	1.5	2.3	2.4	11.5	14.4	10.6	15.4	13.0
12	COTX03134-1W	1.5	2.1	1.8	1.1	1.8	1.7	17.5	16.6	21.2	10.8	16.5
13	TXWL-1	7.3	9.5	8.5	3.1	6.7	7.0	6.2	5.8	9.2	7.3	7.1
Mean		4.5	5.6	5.1	2.0	3.8	4.2	8.6	8.3	12.6	10.0	9.9

Table 14. Tuber Uniformity, Fresh Merit Score, Process Merit Score and Process Color

Entry	Clone/Variety	Tuber Uniformity (1-5 excellent)				Fresh Merit Score (1-5 best)							Process Merit	Process CO/SLV		
		OR	CA	ID	Mean	CA	CO	ID	TX	TX	Mean	Rank	score (1-5 best)	fry color (4=darkest)		
		ON	TUL	AB		TUL	SLV	AB	SPL	DAL			CO/ SLV	Harvest	45°F	
Red/White Flesh																
1	Chieftain	3.0	3.6	3.0	3.2	3.0	5.0	2.3	3.5	3.4	3.4	1	1.0	2.0	3.0	
2	Red LaSoda	3.0	3.1	2.7	2.9	2.3	2.0	1.5	3.7	3.3	2.6	2	1.0	3.0	3.0	
Red-Purple/Yellow Flesh																
3	AC03534-2R/Y	4.0	3.8	4.3	4.0	2.9	5.0	4.3	2.5	3.6	3.6	2	1.0	2.0	4.0	
4	AC05175-3P/Y	4.0	3.5	4.4	4.0	2.1	3.0	4.4	3.6	3.0	3.2	3	1.0	1.0	3.0	
5	ATTX98514-1R/Y	3.0	3.6	2.9	3.2	2.5	2.0	3.1	3.0	3.5	2.8	6	1.0	3.0	3.0	
6	CO05035-1PW/Y	3.0	3.6	2.9	3.2	2.5	4.0	3.3	3.5	2.5	3.2	4	5.0	1.0	2.0	
7	COA07365-4RY	4.0	3.6	4.4	4.0	2.5	2.0	4.4	3.3	3.4	3.1	5	3.0	2.0	2.0	
8	NDTX059759-3RY/Y Pinto	3.0	3.1	3.4	3.2	2.5	5.0	3.4	3.4	4.0	3.7	1	2.0	2.0	3.0	
Yellow Flesh																
9	Yukon Gold	3.0	2.9	3.8	3.2	2.4	1.0	3.5	3.6	3.6	2.8	4	1.0	1.0	3.0	
10	A06336-2Y	3.0	3.0	3.9	3.3	2.1		4.1	3.3	3.1	3.2	2				
11	A06336-5Y	4.0	3.8	4.4	4.0	2.8	1.0	4.4	3.7	3.6	3.1	3	2.0	2.0	2.0	
12	COTX03134-1W	5.0	3.5	2.9	3.8	2.1	5.0	2.8	3.8	3.7	3.5	1	1.0	3.0	3.0	
13	TXWL-1	4.0	2.5	2.6	3.0	1.3	2.0	1.9	3.5	2.0	2.1	5	1.0	2.0	1.0	
Mean		3.5	3.4	3.5	3.5	2.4	3.1	3.3	3.4	3.3	3.1		1.7	2.0	2.7	

Table 15. Tuber Shape and Length Width Ratio

Entry	Clone/Variety	Tuber Shape							L/W					W/T ¹		
		OR ON	CA TUL	CO SLV	ID AB	TX SPL	TX DAL	Mean	OR ON	CA TUL	CO SLV	ID AB	Mean	CO SLV	ID AB	Mean
Red/White Flesh																
1	Chieftain	2.0	3.3	2.0	2.5	3.0	2.5	2.5	1.0	1.2	1.2	1.1	1.1	1.3	1.3	1.3
2	Red LaSoda	2.0	2.8	1.0	2.7	3.0	3.0	2.4	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3
Red-Purple/Yellow Flesh																
3	AC03534-2R/Y	2.0	2.0	1.0	1.8	2.0	2.5	1.9	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
4	AC05175-3P/Y	1.0	2.5	1.0	1.6	2.0	2.0	1.7	1.0	1.1	1.0	1.0	1.0	1.2	1.2	1.2
5	ATTX98514-1R/Y	3.0	3.6	2.0	2.8	3.0	2.5	2.8	1.2	1.3	1.4	1.3	1.3	1.4	1.7	1.5
6	CO05035-1PW/Y	3.0	3.5	1.0	2.6	2.5	3.0	2.6	1.3	1.2	1.1	1.2	1.2	1.3	1.4	1.3
7	COA07365-4RY	1.0	2.6	1.0	1.6	2.0	2.5	1.8	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.2
8	NDTX059759-3RY/Y Pinto	3.0	3.9	2.0	2.4	3.0	3.0	2.9	1.3	1.3	1.4	1.3	1.3	1.4	1.8	1.6
Yellow Flesh																
9	Yukon Gold	3.0	3.1	2.0	2.5	2.5	2.5	2.6	1.1	1.2	1.2	1.1	1.2	1.2	1.3	1.3
10	A06336-2Y	3.0	4.0		2.4	3.0	3.0	3.1	1.2	1.5		1.2	1.3		1.5	1.5
11	A06336-5Y	1.0	3.3	1.0	1.5	2.0	2.0	1.8	1.2	1.3	1.1	1.1	1.2	1.2	1.3	1.2
12	COTX03134-1W	1.0	3.9	2.0	2.9	3.0	2.0	2.5	1.3	1.4	1.5	1.6	1.5	1.2	2.0	1.6
13	TXWL-1	2.0	2.4	1.0	2.8	3.0	3.5	2.4	1.1	1.1	1.1	1.1	1.1	1.3	1.4	1.3
Mean		2.1	3.1	1.4	2.3	2.6	2.6	2.4	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.4

¹Width/thickness ratio or width/depth ratio. This info might be good to tell us how round or flat a potato is looking at it from the end.

Table 16. Skin and Flesh Color

Entry	Clone/Variety	Skin Color (1 - 5 dark)					Flesh Color (1 - 5 dark)						
		CA	CO	ID	TX	TX		CA	CO	ID	TX	TX	
		TUL	SLV	AB	SPL	DAL	Mean	TUL	SLV	AB	SPL	DAL	Mean
Red/White Flesh													
1	Chieftain	2.4	2.0	3.0	3.0	3.4	2.8	1.1	1.0	1.0	1.0	1.0	1.0
2	Red LaSoda	1.8	1.0	3.0	3.5	3.0	2.5	1.3	1.0	1.0	1.0	1.0	1.1
Red-Purple/Yellow Flesh													
3	AC03534-2R/Y	3.1	4.0	3.3	4.0	3.8	3.6	2.0	3.0	3.0	3.5	3.0	2.9
4	AC05175-3P/Y	5.0	4.0	4.0	5.0	4.5	4.5	3.0	3.0	3.3	4.0	3.0	3.3
5	ATTX98514-1R/Y	1.9	1.0	2.0	3.5	3.0	2.3	2.9	3.0	3.0	3.5	3.3	3.1
6	CO05035-1PW/Y	2.4	2.0	4.0	4.0	3.0	3.1	2.6	3.0	2.8	3.0	2.0	2.7
7	COA07365-4RY	4.3	3.0	3.8	3.8	3.7	3.7	2.0	3.0	2.8	3.0	3.0	2.8
8	NDTX059759-3RY/Y Pinto	3.6	3.0	4.0	3.8	3.8	3.6	2.8	3.0	3.0	3.0	3.0	3.0
Yellow Flesh													
9	Yukon Gold	1.9	1.0	2.5	1.0	1.0	1.5	2.4	3.0	3.0	3.5	3.5	3.1
10	A06336-2Y	2.1		2.5	1.0	1.0	1.7	2.5		3.3	3.3	3.5	3.1
11	A06336-5Y	2.4	1.0	2.5	1.0	1.0	1.6	3.0	4.0	3.5	3.0	3.5	3.4
12	COTX03134-1W	1.8	1.0	2.3	1.0	1.0	1.4	1.0	1.0	1.0	1.0	1.0	1.0
13	TXWL-1	2.0	1.0	2.0	1.0	1.0	1.4	1.5	1.0	1.0	1.0	1.0	1.1
Mean		2.7	2.0	3.0	2.7	2.6	2.6	2.2	2.4	2.4	2.6	2.4	2.4

Table 17. Eye Depth and External Defects

Entry	Clone/Variety	OR	CA	ID	TX	TX	Eye Depth	OR	CA	CO	ID	TX	TX	Growth Cracks	CA	CO	TX	TX	Knobs	OR	TX	TX	Shatter Bruise	OR	ID	TX	TX	Scab
		ON	TUL	AB	SPL	DAL		ON	TUL ¹	SLV	AB	SPL	DAL		TUL ¹	SLV	SPL	DAL		ON	SPL	DAL		ON	AB	SPL	DAL	
Red/White Flesh																												
1	Chieftain	4.0	3.4	2.8	4.0	4.0	3.6	5.0	7.9	4.0	4.6	5.0	5.0	4.7	0.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	5.0	5.0	4.9
2	Red LaSoda	2.0	3.4	2.2	2.0	2.0	2.3	5.0	22.0	4.0	4.0	5.0	5.0	4.6	2.4	4.0	5.0	5.0	4.7	5.0	5.0	5.0	5.0	5.0	3.7	5.0	5.0	4.7
Red-Purple/Yellow Flesh																												
3	AC03534-2R/Y	4.0	3.6	3.8	4.0	4.0	3.9	5.0	2.4	5.0	4.9	5.0	5.0	5.0	1.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	5.0	5.0	4.9	
4	AC05175-3P/Y	3.0	3.4	3.4	4.0	3.0	3.4	5.0	0.0	5.0	5.0	5.0	5.0	5.0	0.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	5.0	4.8	
5	ATTX98514-1R/Y	4.0	4.0	3.4	3.6	4.0	3.8	5.0	9.0	4.0	4.1	5.0	5.0	4.6	0.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.1	5.0	5.0	4.8	
6	CO05035-1PW/Y	4.0	4.1	4.0	4.0	4.0	4.0	5.0	0.3	4.0	5.0	5.0	5.0	4.8	0.4	4.0	5.0	5.0	4.7	5.0	5.0	5.0	5.0	3.9	5.0	5.0	4.7	
7	COA07365-4RY	4.0	3.6	4.3	4.0	4.0	4.0	5.0	0.9	5.0	5.0	5.0	5.0	5.0	0.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.5	5.0	5.0	4.9	
8	NDTX059759-3RY/Y Pinto	4.0	3.9	3.9	4.0	4.0	4.0	5.0	0.0	5.0	5.0	5.0	5.0	5.0	0.2	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.4	5.0	5.0	4.8	
Yellow Flesh																												
9	Yukon Gold	3.0	4.0	3.6	4.0	4.0	3.7	5.0	0.6	4.0	5.0	5.0	5.0	4.8	1.1	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	2.9	5.0	4.0	4.2	
10	A06336-2Y	5.0	3.8	4.0	4.0	4.0	4.2	5.0	0.7		5.0	5.0	5.0	5.0	5.2		5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.4	5.0	5.0	4.8	
11	A06336-5Y	4.0	4.0	3.9	4.0	4.0	4.0	5.0	0.4	5.0	5.0	5.0	5.0	5.0	1.5	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.3	5.0	5.0	4.8	
12	COTX03134-1W	4.0	4.0	3.3	4.0	4.0	3.9	5.0	0.1	5.0	4.9	5.0	5.0	5.0	0.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.4	5.0	5.0	4.8	
13	TXWL-1	2.0	3.3	2.1	2.0	2.0	2.3	4.0	17.7	4.0	3.5	5.0	5.0	4.3	0.7	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	4.8	
Mean		3.6	3.7	3.4	3.7	3.6	3.6	4.9	4.8		4.7	5.0	5.0	4.8	1.1		5.0	5.0	4.9		5.0	5.0	5.0	5.0	5.0	4.9	4.8	

¹% total tubers

Table 18. Internal Defects

Entry	Clone/Variety	Percent Incidence (%) ¹											Blackspot Bruise												
		OR	CA	CO	ID	TX	TX		OR	ID	TX	TX		OR	CA	ID	TX	TX	OR ²	CA	CO ²	TX	TX		
		ON	TUL	SLV	AB	SPL	DAL	HH	ON	AB	SPL	DAL	IBS	ON	TUL	AB	SPL	DAL	VD	ON	TUL%	SLV	SPL%	DAL%	BB
Red/White Flesh																									
1	Chieftain	3	3	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	5	0	4.8	0	0	0
2	Red LaSoda	0	3	4	0	0	0	1	3	0	0	0	1	8	0	0	0	0	2	5	0	4.8	0	0	0
Red-Purple/Yellow Flesh																									
						0							0							0					
3	AC03534-2R/Y	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5	0	4.7	0	0	0
4	AC05175-3P/Y	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	4.9	0	0	1
5	ATTX98514-1R/Y	0	0	0	0	25	0	4	18	0	0	0	4	5	1	0	0	0	1	5	5	5.0	0	0	2
6	CO05035-1PW/Y	5	3	0	0	5	0	2	0	0	0	0	0	0	1	0	0	0	0	5	0	4.8	0	0	0
7	COA07365-4RY	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	5	0	4.9	0	0	0
8	NDTX059759-3RY/Y Pinto	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	1	5	3	4.7	0	0	1
Yellow Flesh																									
						0							0							0					
9	Yukon Gold	3	3	0	3	0	0	1	3	0	0	0	1	0	1	0	0	0	0	5	5	4.9	0	0	2
10	A06336-2Y	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0		0	0	0
11	A06336-5Y	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0	5	0	5.0	0	0	0
12	COTX03134-1W	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	5	0	4.9	0	0	0
13	TXWL-1	0	0	1	0	5	0	1	0	0	0	0	0	5	0	0	0	0	1	5	0	4.7	0	0	0
Mean																									
		1	1	0	0	3	0	1		0	0	0	0	2	1	0	0	0	0	5	1	5	0	0	0

¹ Percent based on 10 cut tubers.

² 1 to 5=none

Table 19. Disease Evaluations, Metribuzin Reaction

Entry Clone/Variety	Aberdeen			Tulelake
	Vert. Wilt/ Early Dying ¹ Foliar	Early Blight ¹ Foliar	Metr. Reaction ²	Vert. AUDPC ³
Red/White Flesh				
1 Chieftain	4.4	2.8	MS	895
2 Red LaSoda	4.7	3.8	MS	325
Red-Purple/Yellow Flesh				
3 AC03534-2R/Y	4.4	3.0	MR	655
4 AC05175-3P/Y	1.0	1.0	R	1823
5 ATTX98514-1R/Y	1.3	1.3	MS	698
6 CO05035-1PW/Y	4.0	2.9	MR	274
7 COA07365-4RY	4.1	3.3	R	595
8 NDTX059759-3RY/Y Pinto	4.8	4.4	S	186
Yellow Flesh				
9 Yukon Gold	1.6	1.3	MR	1403
10 A06336-2Y	2.8	2.4	MS	1310
11 A06336-5Y	3.5	2.4	R	1328
12 COTX03134-1W	3.9	2.0	MR	742
13 TXWL-1	4.4	3.5	R	390
Mean	3.4	2.6		

¹ Evaluations made at Aberdeen, ID by Potato Variety Team; scale as indicated with lowest number being most severe. For 1 to 5 5=no symptoms; 1=90-100% dead or dying with typical disease symptoms.

² Metribuzin reaction measured at Aberdeen, ID. VR=very resistant, R=Resistant, MR=Moderately resistant, MS=moderately susceptible, S=susceptible VS=very susceptible

³ Area Under Disease Product Curve Based on reading taken 80, 92, 99 days from planting

Table 20. Tuber Composition

Entry	Clone/Variety	Aberdeen					
		Solids	Protein ¹	Dextrose ²	Sucrose ²	Vitamin C ³	TGA ⁴
Red/White Flesh							
1	Chieftain	19.54	0.06	0.210	5.130	30.43	4.63
2	Red LaSoda	19.70	0.12	0.159	5.500	37.37	2.74
Red-Purple/Yellow Flesh							
3	AC03534-2R/Y	19.03	0.05	0.199	5.390	27.45	1.23
4	AC05175-3P/Y	17.24	0.03	0.157	4.220	31.56	1.74
5	ATTX98514-1R/Y	17.17	0.13	0.187	5.400	23.11	7.50
6	CO05035-1PW/Y	20.06	0.06	0.214	6.100	30.47	2.15
7	COA07365-4RY	19.63	0.02	0.153	7.790	39.74	1.33
8	NDTX059759-3RY/Y Pint	20.11	0.08	0.289	6.330	24.67	1.51
Yellow Flesh							
9	Yukon Gold	23.03	0.02	0.194	6.410	45.39	3.45
10	A06336-2Y	19.81	0.03	0.127	6.520	37.79	2.63
11	A06336-5Y	17.69	0.05	0.154	6.150	28.87	2.15
12	COTX03134-1W	20.60	0.04	0.172	5.100	35.47	4.81
13	TXWL-1	20.22	0.12	0.183	6.030	33.77	4.09
Mean		19.53	0.06	0.184	5.852	32.78	3.07

^{1/} % Dry Weight Basis^{2/} % Fresh Weight Basis^{3/} % Fresh Weight Basis (mg/100g)^{4/} % Fresh Weight Basis (mg/100g), using Lenepe as check with reading of 43.7

Table 21. Entry Location Comments

Entry	Clone/Variety	Aberdeen, ID	Center, CO
Red/White Flesh			
1	Chieftain	Misshapen, deep eyes	
2	Red LaSoda	Big, ugly, bumps, deep eyes	
Red-Purple/Yellow Flesh			
3	AC03534-2R/Y	Uniform, round, few flat/ats	
4	AC05175-3P/Y	Small, uniform, med deep eyes,	
5	ATTX98514-1R/Y	Not real uniform, few points/misshapen	sprouting at grading
6	CO05035-1PW/Y	Some russeting, not real uniform, few ats	sprouting at grading
7	COA07365-4RY	Uniform, some shatter, round	good skin
8	NDTX059759-3RY/Y Pinto	Flat, some green	pink inside, flat
Yellow Flesh			
9	Yukon Gold	Scab, few bumps/points	
10	A06336-2Y	Few misshapen/points,	
11	A06336-5Y	Small, round, uniform	
12	COTX03134-1W	Small, not real uniform, few bumps	
13	TXWL-1	Big, ugly, green, deep eyes	

Table 22. Entry Location Comments Continued

Entry	Clone/Variety	Springlake, TX	Dalhart, TX
Red/White Flesh			
1	Chieftain	light skin, yield+, large tubers	light skin color, silver scurf
2	Red LaSoda	yield++, deep eyes, ZC	yield++, deep eyes, silver scurf
Red-Purple/Yellow Flesh			
3	AC03534-2R/Y	very nice yellow flesh, nice skin color, many B's, small potato	nice size and shape, silver scurf
4	AC05175-3P/Y	nice skin finish, yellow flesh, smooth, nice color, shape, and flesh, BOT	deep eyes, heat sprouts, nice skin, flesh, and shape
5	ATTX98514-1R/Y	light yellow flesh, drop, ZC, hollow heart++, light skin color, some rough	light skin, nice flesh, skin, and shape, silver scurf
6	CO05035-1PW/Y	light yellow flesh, nice shape, nice purple color, some hollow heart	rough, light purple skin, light flesh, silver scurf
7	COA07365-4RY	heavy set, small, many B's, small, nice skin	small, nice shape, silver scurf
8	NDTX059759-3RY/Y Pinto	small, many b's, psyllid?, some bigger, nice red skin color	BOT, some flat, nice flesh, smooth skin
Yellow Flesh			
9	Yukon Gold	yellow flesh, smooth, nice shape and flesh	nice shape and flesh, scab
10	A06336-2Y	yellow flesh, red eyes, skin color??, light set, small, nice flesh	some pear shaped, smooth skin, small, nice flesh, red eyes
11	A06336-5Y	yellow flesh, very small, high set, skin color??, small potato	nice size small potato, nice shape and flesh
12	COTX03134-1W	white flesh, lots of smalls, nice size, BOT for small potato, smooth, nice shape	BOT for small potato, white flesh
13	TXWL-1	deep eyes, rough, yield+, nice white flesh, red eyes, some splash, brown center	red eyes, deep eyes, rough, oversized

Table 23. Postharvest Evaluation Summary

Clone	Prosser, WA			Total (75 max)
	Boiled (25 max)	Baked (25 max)	Microwaved (25 max)	
1 A06336-5Y	18	20	20	59
2 Yukon Gold	15	20	19	53
3 A06336-2Y	17	18	18	53
Chipped:	Aug. 18			
Baked:	Aug. 25			
Boiled:	Aug. 23			
Microwaved:	Aug. 24			
Cooking Time:	Aug. 18			

Table 24. Summary Means - 2016

Entry	Clone/Variety	Year	Yield Summary ¹							Quality		
			<4 oz.	4-6 oz.	6-10 oz.	4-10 oz.	>10 oz.	Culls	Total	Tuber Size oz./tuber	Spec. grav.	Fresh Merit ²
Red/White Flesh												
1	Chieftain	***	84	94	119	249	129	22	492	5.8	1.072	3.4
2	Red LaSoda	***	95	97	115	251	159	47	557	6.3	1.072	2.6
Red-Purple/Yellow Flesh												
3	AC03534-2R/Y	1	175	121	108	228	30	9	464	3.1	1.066	3.6
4	AC05175-3P/Y	3	157	127	80	205	13	4	384	3.3	1.065	3.2
5	ATTX98514-1R/Y	2	82	100	97	213	70	21	394	4.7	1.063	2.8
6	CO05035-1PW/Y	2	99	116	148	265	138	15	527	5.0	1.074	3.2
7	COA07365-4RY	2	150	98	56	151	12	9	333	2.9	1.073	3.1
8	NDTX059759-3RY/Y P	1	137	123	102	232	46	9	440	3.7	1.075	3.7
Yellow Flesh												
9	Yukon Gold	***	67	90	124	207	85	8	396	5.3	1.081	2.8
10	A06336-2Y	1	125	117	73	211	12	14	386	3.5	1.071	3.2
11	A06336-5Y	1	227	95	23	130	1	5	368	2.4	1.067	3.1
12	COTX03134-1W	2	320	43	3	50	1	5	378	1.7	1.081	3.5
13	TXWL-1	2	62	72	145	263	206	58	594	7.0	1.071	2.1
Mean			160	83	73	172	61	18	424	4.0	1.074	2.9

^{1/}Mean weight fractions do not equal total average because some locations do not take measurements for all criteria.^{2/} Scale = 1-5 best

Table 25. Two Year Summary of Graduating Entries

Entry	Clone/Variety	Year	Yield Summary ¹							Quality		
			<4 oz.	4-6 oz.	6-10 oz.	4-10 oz.	>10 oz.	Culls	Total	Tuber Size oz./tuber	Spec. grav.	Fresh Merit ²
Red/White Flesh												
1	Chieftain	***	80	91	115	238	120	23	461	5.9	1.071	3.4
2	Red LaSoda	***	84	87	115	239	137	48	513	6.3	1.070	2.6
Red-Purple/Yellow Flesh												
4	AC05175-3P/Y	3	185	115	72	190	10	5	391	3.4	1.069	3.1
5	ATTX98514-1R/Y	2	78	91	97	235	59	29	355	4.9	1.064	2.6
6	CO05035-1PW/Y	2	96	106	134	249	126	16	497	5.3	1.073	3.2
7	COA07365-4RY	2	154	94	57	172	7	9	316	3.0	1.073	3.3
Yellow Flesh												
9	Yukon Gold	***	62	80	115	194	91	10	370	5.7	1.081	2.9
12	COTX03134-1W	2	274	47	14	54	1	15	344	1.7	1.079	3.1
13	TXWL-1	2	66	78	132	244	179	47	543	6.8	1.068	2.3
Mean			134	68	87	164	90	24	419	4.7	1.076	2.8

^{1/}Mean weight fractions do not equal total average because some locations do not take measurements for all criteria.^{2/} Scale = 1-5 best

Table 26. Two Year Summary of Notes

Entry	Clone/Variety	Strengths	Weakness
Red-Purple/Yellow Flesh			
4	AC05175-3P/Y	uniform, nice skin finish, smooth, nice color, shape, and flesh, BOT	deep eyes, some bumps, attached stolons, silver scurf,
5	ATTX98514-1R/Y	good yellow, nice flesh and skin, smooth	Not real uniform, few points/misshapen, sprouting at grading, drop, ZC, hollow heart++, light skin color, some roughlots growth cracks, pear shaped, flat
6	CO05035-1PW/Y	light yellow flesh, nice shape, nice purple color, purple pinto, nice yield	Some russeting, not real uniform, sprouting at grading, some hollow heart, rough chain tubers, faded purple colorgreenhead, deep eyes, rough, very light purple skin, oversized, poor shape
7	COA07365-4RY	Uniform, good skin, heavy set, many B's, small, nice skin, nice shape, smooth	some shatter, some attached stolons, torpedo, fingerling
Yellow Flesh			
12	COTX03134-1W	nice size, BOT for small potato, smooth, nice shape, uniform shape, high set	not real uniform, few bumps, pear shape, lumpy, hour glass, lots of eyes, road map, drop, poor skin, variable shape
13	TXWL-1	yield+, nice white flesh, red eyes, some splash	Big, ugly, green, deep eyes, rough, brown center, ugly, lumps, poor skin, oversized

