

WESTERN REGIONAL



RED/SPECIALTY TRIAL 2017

2017 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 N preplant, 60 N, 53 K, sprinkler applie	4/16/2017	9/18/2017	Mechanical	9/25/2017	Prowl H2O, 2 pint Dual Magnum 1.33 pint Matrix, 1.5 oz		Bravo, 1.5 pint, 2 applications
Tulelake California (TUL)*	R. Wilson D. Culp K. Nicholson S. Peterson	Late	Sprinkler	205-0-0	5/24/2017	9/12/2016	Reglone / Roll	10/9/2017	Prowl H2O Outlook Roundup PM Matrix	Admire Pro Vydate	Quadris Omega Tanos
San Luis Valley Colorado (SLV)	D. Holm, C. Gray	Late	Pivot	122-60-80-25S2.5Zn	5/15/2017	8/23/2018	Reglone	9/25/2018	Chateau Dual Magnum	Mineral Oil Leverage Fulfull	Bravo Ultrex Endura Quadris
Aberdeen Idaho (AB)	J. Stark, R. Novy, J. Whitworth, J. Hatch C. Lowder	Early	Sprinkler	225-120-83-30S-5Zn-5Mn	5/8/2017	8/16/2017	Mechanical	8/30/2017	TriCor 4F Matrix Eptam	Admire	
Springlake Texas (SPL)	I. Vales J. C. Miller Jr., J. Koym, D. Scheuring	Early	Pivot	108-25-25	3/23/2017	6/27/2017	Mechanical	7/4/2017	Roundup, Metribuzin 75 CA Dual Magnum, Gly Star Origi Matrix, Brawl Stealth, Makaze	Movento Minecto Pro Transform WG Sivanto	Scala Luna Tranquility NUCOP
Dalhart Texas (DAL)	I. Vales J. C. Miller Jr., J. Koym, D. Scheuring	Early	Pivot	206-190-10	5/16/2017	8/18/2017	Reglone	9/11/2017	K-Tone, ETX Para-Shot 3, Marix SG Cornerstone 5 Plus Zidual StareDown Select Max, Reglone	Cruiser Maxx Fulfill	Curzate 60DF

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Table 2. Description of Clones - 2017 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							Dark Red	White	Check	OR	***	
2 Red LaSoda	Triumph	Katahdin	Red-purple	Med	Med	Oval	Lt. Red	White	Check	OR	***	
3 COTX00104-6R	ND3574-5R	C086218-2	Purple	Med	Early	Oblong	Red	White	TX	CO	1	
Red-Purple/Yellow Flesh												
4 PORTX03PG25-2R/R	PA97B35-1	PA99P7-2	Lt Red-purple	Medium	Medium	Long	Red	Red	TX	CO	1	
5 AC03534-2R/Y	ATA98472-2Y	Mazama	Purple	Med-Large	Medium	Oval	Red	Yellow	CO	CO	2	
6 CO05035-1PW/Y	Masquerade	US147-96	Red-purple	Med-Large	Medium	Oblong	Purple/White	Yellow	CO	CO	3	
7 COA07365-4RY	US147-96	CO99256-2R	Med Red-purple	Medium	Med-early	Oval	Red	yellow	ID	OR	3	
8 NDTX059759-3RY/Y Pint	ATND 99331-2 Pinto	ND 7834-2P	Red-purple	Large	Late	Oblong	Red/White	yellow	TX	TX	2	
Yellow Flesh												
9 Yukon Gold	Norgleam	W5279-4	Pink	Med	Early	Oval	White	Yellow	Check	OR	***	
10 A06336-2Y	VC1009-1W/Y	US 147-96 R/Y	Lt Red-purple	Medium	Med-early	Oval	Champagne/Pine Eye	Yellow	ID	OR	2	
11 A06336-5Y	VC1009-1W/Y	US 147-96 R/Y	Lt Red-purple	Medium	Med-early	Oval	Champagne/Pine Eye	yellow	ID	OR	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	98		99	100	100	99
2	Red LaSoda	98		98	100	100	99
3	COTX00104-6R	93	97	95	100	100	97
Red-Purple/Yellow Flesh							
4	PORTX03PG25-2R/R	100	100	96	100	100	99
5	AC03534-2R/Y	94	94	93	100	100	96
6	CO05035-1PW/Y	95	96	95	98	100	97
7	COA07365-4RY	95	100	95	100	100	98
8	NDTX059759-3RY/Y Pinto	98	93	96	100	100	97
Yellow Flesh							
9	Yukon Gold	93	91	89	100	100	95
10	A06336-2Y	99	97	98	100	100	99
11	A06336-5Y	97	99	99	100	100	99
Mean							
		96	96	96	100	100	98

Table 4. Vine Size and Vine Maturity

Entry Clone/Variety	Vine Size (1-5 large)					Vine Maturity (1-5 late)				
	CO	ID	TX	TX		CO	ID	TX	TX	
	SLV	AB	SPL	DAL	Mean	SLV	AB	SPL	DAL	Mean
Red/White Flesh										
1	Chieftain	2.3	3.4	4.0	3.2		3.5	3.5	3.4	3.5
2	Red LaSoda	3.0	4.4	4.5	4.0		4.0	3.6	4.5	4.0
3	COTX00104-6R	3.0	1.8	3.1	4.1	3.0	3.5	3.6	3.9	4.2
Red-Purple/Yellow Flesh										
4	PORTX03PG25-2R/R	4.0	1.8	3.5	4.2	3.4	2.5	3.4	3.9	4.3
5	AC03534-2R/Y	3.8	1.8	3.7	4.1	3.4	3.5	3.5	3.6	4.1
6	CO05035-1PW/Y	4.0	3.3	3.6	4.6	3.9	4.0	3.9	3.9	4.5
7	COA07365-4RY	3.5	2.8	3.7	4.1	3.5	3.0	3.6	3.5	4.0
8	NDTX059759-3RY/Y Pinto	4.3	3.8	3.5	4.6	4.1	3.0	4.4	4.2	4.8
Yellow Flesh										
9	Yukon Gold	3.5	2.5	3.8	4.0	3.5	2.3	2.9	3.4	3.9
10	A06336-2Y	3.0	2.3	3.8	4.2	3.3	1.5	3.5	3.6	3.8
11	A06336-5Y	3.0	1.5	3.7	3.7	3.0	2.5	2.9	3.5	3.6
Mean										
		3.6	2.4	3.7	4.2	3.5	2.9	3.6	3.7	4.1

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	517	607		387	326	668	501	1
2 Red LaSoda	569	657		419	308	543	499	2
3 COTX00104-6R	314	408	319	161	234	319	292	3
Red-Purple/Yellow Flesh								
4 PORTX03PG25-2R/R	281	412	327	112	245	151	255	5
5 AC03534-2R/Y	513	615	453	297	270	514	444	1
6 CO05035-1PW/Y	507	629	486	321	261	377	430	2
7 COA07365-4RY	328	483	336	268	184	315	319	3
8 NDTX059759-3RY/Y Pinto	361	382	372	126	184	169	266	4
Yellow Flesh								
9 Yukon Gold	378	416	349	340	244	479	368	2
10 A06336-2Y	436	488	302	285	132	468	352	3
11 A06336-5Y	417	561	312	419	157	405	378	1
Mean	420	514	362	285	231	401	373	

Indicates high or strength

Table 6. Yield and Percent < 4 oz

Entry	Clone/Variety	Yield < 4 oz (cwt/a)							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	60	81		27	72	131	74	1	12	13		7	22	20	15	1
2	Red LaSoda	59	32		37	62	99	58	2	10	5		9	20	18	12	3
3	COTX00104-6R	32	33	7	35	60	58	37	3	10	8	2	22	25	18	14	2
Red-Purple/Yellow Flesh																	
4	PORTX03PG25-2R/R	225	261	45	82	201	151	161	2	80	63	14	73	82	100	69	1
5	AC03534-2R/Y	314	233	119	173	177	300	219	1	61	38	26	58	65	58	51	3
6	CO05035-1PW/Y	128	54	34	55	100	38	68	5	25	9	7	17	39	10	18	5
7	COA07365-4RY	196	198	85	146	122	217	161	3	60	41	25	54	66	69	53	2
8	NDTX059759-3RY/Y Pinto	144	96	35	82	65	81	84	4	40	25	9	65	35	48	37	4
Yellow Flesh																	
9	Yukon Gold	69	54	30	39	54	36	47	3	18	13	9	11	22	7	13	3
10	A06336-2Y	168	204	58	143	103	250	154	2	38	42	19	50	78	53	47	2
11	A06336-5Y	269	372	169	282	137	248	246	1	65	66	54	67	87	61	67	1
Mean		139	147	65	100	105	146	119		38	29	18	40	49	42	36	

Table 7. Yield and Percent 4-6 oz.

Entry	Clone/Variety	Yield 4-6 oz (cwt/a)						Percent 4-6 oz (%)							
		OR	CA	ID	TX	TX	Mean	Rank	OR	CA	ID	TX	TX	Mean	Rank
		ON	TUL	AB	SPL	DAL			ON	TUL	AB	SPL	DAL		
Red/White Flesh															
1	Chieftain	141	105	53	142	211	130	1	27	17	14	44	31	27	1
2	Red LaSoda	92	56	35	111	166	92	2	16	9	8	36	31	20	3
3	COTX00104-6R	56	48	32	110	102	69	3	18	12	20	47	32	26	2
Red-Purple/Yellow Flesh															
4	PORTX03PG25-2R/R	50	75	16	34	0	35	5	18	18	14	14	0	13	5
5	AC03534-2R/Y	161	163	91	76	105	119	1	31	27	31	28	20	27	4
6	CO05035-1PW/Y	133	72	71	125	128	106	2	26	11	22	48	34	28	3
7	COA07365-4RY	97	153	90	56	74	94	3	30	32	33	31	23	30	1
8	NDTX059759-3RY/Y Pinto	114	76	26	74	57	69	4	32	20	21	40	34	29	2
Yellow Flesh															
9	Yukon Gold	90	63	70	41	116	76	3	24	15	21	17	24	20	3
10	A06336-2Y	174	129	86	26	135	110	1	40	26	30	20	29	29	1
11	A06336-5Y	104	137	105	19	124	98	2	25	24	25	12	31	23	2
Mean		110	98	62	74	111	91		26	19	22	31	26	25	

Table 8. Yield and Percent 6-10 oz.

Entry	Clone/Variety	Yield (lb/acre)							Percent 6-10 oz (%)						
		OR ON	CA TUL	ID AB	TX SPL	TX DAL	Mean	Rank	OR ON	CA TUL	ID AB	TX SPL	TX DAL	Mean	Rank
Red/White Flesh															
1	Chieftain	235	203	171	85	208	180	1	45	34	44	26	31	34	1
2	Red LaSoda	205	133	117	87	172	143	2	36	20	28	28	32	27	3
3	COTX00104-6R	108	119	49	60	122	92	3	34	29	31	26	38	31	2
Red-Purple/Yellow Flesh															
4	PORTX03PG25-2R/R	5	17	10	0	0	6	5	2	4	9	0	0	3	5
5	AC03534-2R/Y	38	156	28	6	96	65	2	7	25	10	2	19	14	3
6	CO05035-1PW/Y	166	186	120	25	130	125	1	33	30	37	10	34	28	1
7	COA07365-4RY	33	107	24	2	23	38	4	10	22	9	1	7	10	4
8	NDTX059759-3RY/Y Pinto	82	93	12	36	28	50	3	23	24	10	20	16	18	2
Yellow Flesh															
9	Yukon Gold	139	137	132	109	124	128	1	37	33	39	45	26	36	1
10	A06336-2Y	89	61	36	1	18	41	2	20	13	13	1	4	7	2
11	A06336-5Y	21	24	29	1	19	19	3	5	4	7	0	5	4	3
Mean		102	112	66	37	85	81			22	21	14	19	19	

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	80	161		115	24	119	100	2	15	27		30	7	18	19	3
2	Red LaSoda	213	225		184	25	95	148	1	37	34		44	8	17	28	1
3	COTX00104-6R	118	161	163	23	0	26	82	3	38	39	51	14	0	8	25	2
Red-Purple/Yellow Flesh																	
4	PORTX03PG25-2R/R	0	0	41	0	0	0	7	5	0	0	13	0	0	0	2	5
5	AC03534-2R/Y	0	33	65	2	0	96	33	3	0	5	14	1	0	19	7	3
6	CO05035-1PW/Y	59	279	226	64	0	130	126	1	12	44	47	20	0	34	26	1
7	COA07365-4RY	2	7	48	0	0	23	13	4	0	1	14	0	0	7	4	4
8	NDTX059759-3RY/Y Pinto	21	64	140	1	0	28	42	2	6	17	38	1	0	16	13	2
Yellow Flesh																	
9	Yukon Gold	80	123	115	88	109	139	109	1	21	30	33	26	45	29	31	1
10	A06336-2Y	6	17	13	0	1	0	6	2	1	3		0	1	0	1	2
11	A06336-5Y	1	1	6	0	1	0	2	3	0	0	2	0	0	0	0	3
Mean		53	97	91	44	15	59	61		12	18	26	12	6	14	14	

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	376	309		224	226	327	292	1	73	51		58	70	49	60	1
2	Red LaSoda	298	189		153	198	266	221	2	52	29		36	64	49	46	3
3	COTX00104-6R	164	167	121	81	170	148	142	3	52	41	38	51	73	46	50	2
Red-Purple/Yellow Flesh																	
4	PORTX03PG25-2R/R	55	92	234	26	34	0	73	5	20	22	72	23	14	0	25	5
5	AC03534-2R/Y	199	320	268	120	82	201	198	2	39	52	59	40	30	39	43	3
6	CO05035-1PW/Y	298	258	217	192	151	257	229	1	59	41	45	60	58	68	55	1
7	COA07365-4RY	130	259	200	114	59	97	143	3	40	54	60	42	32	31	43	4
8	NDTX059759-3RY/Y Pinto	197	169	183	38	111	85	130	4	54	44	49	30	60	50	48	2
Yellow Flesh																	
9	Yukon Gold	229	200	185	203	151	240	201	1	61	48	53	60	62	50	56	1
10	A06336-2Y	263	190	230	122	27	153	164	2	60	39	76	43	20	33	45	2
11	A06336-5Y	125	160	135	134	20	144	120	3	30	29	43	32	13	36	30	3
Mean		212	210	197	128	112	174	174		49	41	55	43	45	41	46	

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	1	56		22	3	0	16	3	0	9		6	1	0	3	3
2	Red LaSoda	0	211		45	23	9	58	1	0	32		11	7	2	10	1
3	COTX00104-6R	0	47	28	21	4	12	19	2	0	12	9	13	2	4	6	2
Red-Purple/Yellow Flesh																	
4	PORTX03PG25-2R/R	1	59	6	4	10	0	13	2	0	14	2	4	4	0	4	2
5	AC03534-2R/Y	1	29	0	2	12	0	7	4	0	5	0	1	4	0	2	5
6	CO05035-1PW/Y	21	39	10	11	10	0	15	1	4	6	2	3	4	0	3	3
7	COA07365-4RY	0	20	3	9	3	2	6	5	0	4	1	3	2	1	2	4
8	NDTX059759-3RY/Y Pinto	0	53	13	4	8	0	13	3	0	14	4	4	5	0	4	1
Yellow Flesh																	
9	Yukon Gold	0	39	6	10	2	64	20	2	0	9	2	3	1	13	5	2
10	A06336-2Y	0	77	0	20	2	66	28	1	0	16		7	2	14	8	1
11	A06336-5Y	22	27	1	3	0	13	11	3	5	5	0	1	0	3	2	3
Mean		4	60	7	14	7	15	19		1	11	2	5	3	3	5	

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	1.078	1.079		1.071	1.056	1.059	1.069	1
2	Red LaSoda	1.078	1.082		1.065	1.055	1.053	1.067	2
3	COTX00104-6R	1.076	1.081	1.080	1.065	1.048	1.046	1.066	3
Red-Purple/Yellow Flesh									
4	PORTX03PG25-2R/R	1.073	1.075	1.068	1.067	1.055	1.055	1.066	4
5	AC03534-2R/Y	1.072	1.073	1.076	1.063	1.055	1.046	1.064	5
6	CO05035-1PW/Y	1.081	1.086	1.094	1.069	1.059	1.052	1.073	1
7	COA07365-4RY	1.077	1.083	1.086	1.068	1.063	1.060	1.073	2
8	NDTX059759-3RY/Y Pinto	1.084	1.083	1.085	1.065	1.055	1.053	1.071	3
Yellow Flesh									
9	Yukon Gold	1.085	1.092	1.093	1.084	1.069	1.067	1.082	1
10	A06336-2Y	1.065	1.074	1.077	1.071	1.062	1.055	1.067	3
11	A06336-5Y	1.078	1.072	1.075	1.068	1.059	1.052	1.067	2
Mean		1.077	1.080	1.082	1.069	1.058	1.054	1.069	

Table 13. Average Tuber Size and Tubers Per Plant

Entry	Clone/Variety	Average Tuber Size (oz)						Tubers/plant					
		OR	CA	ID	TX	TX		OR	CA	ID	TX	TX	
		ON	TUL	AB	SPL	DAL	Mean	ON	TUL	AB	SPL	DAL	Mean
Red/White Flesh													
1	Chieftain	5.8	6.4	7.1	3.8	4.6	5.5	7.4	8.9	4.7	7.1	9.8	7.6
2	Red LaSoda	6.4	8.2	7.7	4.1	5.0	6.3	7.4	7.9	4.8	6.3	7.3	6.7
3	COTX00104-6R	6.6	7.2	5.2	3.9	4.7	5.5	3.9	5.6	2.8	5.0	4.5	4.4
Red-Purple/Yellow Flesh													
4	PORTX03PG25-2R/R	1.9	2.9	2.4	1.5	2.2	2.2	12.1	13.4	4.1	13.9	4.6	9.6
5	AC03534-2R/Y	2.5	3.6	3.1	1.8	2.5	2.7	16.8	16.5	8.9	12.9	13.8	13.8
6	CO05035-1PW/Y	4.2	7.5	5.6	2.8	5.3	5.1	10.0	8.1	5.2	8.4	4.8	7.3
7	COA07365-4RY	2.7	3.6	3.0	2.1	2.2	2.7	10.2	13.1	8.1	7.5	9.6	9.7
8	NDTX059759-3RY/Y Pinto	3.7	4.5	2.8	3.1	3.0	3.4	8.2	7.9	4.0	5.2	3.9	5.8
Yellow Flesh													
9	Yukon Gold	5.2	6.0	6.4	4.7	7.0	5.9	6.0	6.9	5.1	4.3	4.6	5.4
10	A06336-2Y	3.3	3.4	3.4	2.3	2.7	3.0	10.8	13.2	7.3	4.7	11.9	9.6
11	A06336-5Y	2.3	2.8	2.9	1.8	2.1	2.4	14.9	19.0	12.7	7.5	13.5	13.5
Mean		4.1	5.1	4.5	2.9	3.8	4.1	9.8	11.0	6.2	7.5	8.0	8.5

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	3.1	3.5	3.2	2.9		2.8	4.4	4.3	3.6	1				
2	Red LaSoda	2.0	2.9	2.3	2.4	2.5		1.8	4.0	3.5	2.9	2				
3	COTX00104-6R	4.0	3.3	1.8	3.0	3.0	1.0	2.0	4.3	3.5	2.8	3	1.0	3.0	3.0	
Red-Purple/Yellow Flesh																
4	PORTX03PG25-2R/R	3.0	3.6	3.5	3.4	1.8	2.0	2.8	3.9	3.0	2.7	5				
5	AC03534-2R/Y	5.0	3.5	4.1	4.2	2.8	3.0	3.9	3.8	4.3	3.5	2	1.0	4.0	3.0	
6	CO05035-1PW/Y	3.0	2.8	2.8	2.8	2.6	5.0	2.9	4.3	3.5	3.7	1	1.0	3.0	2.0	
7	COA07365-4RY	4.0	3.3	3.9	3.7	2.5	2.0	4.0	3.8	3.5	3.2	4	3.0	2.0	2.0	
8	NDTX059759-3RY/Y Pinto	2.0	2.8	3.1	2.6	2.4	3.0	3.1	4.3	3.5	3.3	3	1.0	3.0	3.0	
Yellow Flesh																
9	Yukon Gold	3.0	2.5	3.4	3.0	2.6	5.0	3.0	3.6	4.1	3.7	1	4.0	1.0	2.0	
10	A06336-2Y	4.0	2.8	3.5	3.4	2.8	3.0	3.5	2.8	4.0	3.2	3	2.0	1.0	2.0	
11	A06336-5Y	3.0	3.4	4.4	3.6	3.3	2.0	4.3	3.8	4.2	3.5	2	1.0	3.0	2.0	
Mean		3.3	3.1	3.3	3.2	2.6	2.9	3.1	3.9	3.8	3.3		1.8	2.5	2.4	

Table 15. Tuber Shape and Length Width Ratio

Entry	Clone/Variety	Tuber Shape						L/W						W/T ¹				
		OR	CA	CO	ID	TX	TX		OR	CA	CO	ID	TX		ID	CO	TX	
		ON	TUL	SLV	AB	SPL	DAL	Mean	ON	TUL	SLV	AB	DAL	Mean	AB ²	SLV	DAL	Mean
Red/White Flesh																		
1	Chieftain	2.0	2.9		2.0	3.0	1.0	2.2	1.20	1.21		1.04	1.21	1.17	1.31		1.22	1.22
2	Red LaSoda	2.0	2.5		2.5	2.5	1.5	2.2	1.24	1.10		1.06	1.25	1.16	1.28		1.29	1.29
3	COTX00104-6R	2.0	2.6	2.0	2.3	2.5	1.5	2.1	1.22	1.19	1.27	1.33	1.35	1.27	1.52	1.14	1.09	1.11
Red-Purple/Yellow Flesh																		
4	PORTX03PG25-2R/R	5.0	4.8	5.0	3.9	4.0	5.0	4.6	2.11	2.01	2.00	1.73	2.64	2.10	2.36	1.07	1.00	1.03
5	AC03534-2R/Y	1.0	2.4	1.0	1.4	2.0	1.0	1.5	1.08	1.08	1.09	1.08	0.99	1.06	1.30	1.26	1.16	1.21
6	CO05035-1PW/Y	2.0	2.8	2.0	2.6	2.0	2.8	2.4	1.32	1.23	1.26	1.14	1.54	1.30	1.36	1.25	1.15	1.20
7	COA07365-4RY	1.0	2.3	1.0	1.4	3.0	1.4	1.7	1.21	1.04	1.15	1.09	1.14	1.13	1.23	1.14	1.13	1.14
8	NDTX059759-3RY/Y Pinto	2.0	3.0	2.0	3.1	3.0	3.0	2.7	1.23	1.25	1.40	1.30	1.29	1.29	1.77	1.37	1.38	1.37
Yellow Flesh																		
9	Yukon Gold	2.0	2.8	2.0	2.0	3.0	2.5	2.4	1.15	1.19	1.24	1.09	1.21	1.18	1.30	1.19	1.25	1.22
10	A06336-2Y	1.0	2.8	2.0	2.4	3.0	1.5	2.1	1.47	1.36	1.44	1.27	1.34	1.37	1.53	1.22	1.22	1.22
11	A06336-5Y	3.0	2.5	1.0	1.1	2.0	1.1	1.8	1.09	1.18	1.06	1.07	1.13	1.11	1.23	1.25	1.13	1.19
Mean		2.1	2.8	2.0	2.2	2.7	2.0	2.3	1.30	1.26	1.32	1.20	1.37	1.29	1.47	1.21	1.18	1.20

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.

²Length/Depth ratio

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	2.6		2.7	2.5	2.5	2.6	1.0		1.0	1.0	1.0	1.0
2	Red LaSoda	2.6		2.5	3.3	3.0	2.9	1.3		1.0	1.0	1.0	1.1
3	COTX00104-6R	3.4	3.0	3.5	4.3	4.0	3.6	1.0	1.0	1.5	1.0	1.0	1.1
Red-Purple/Yellow Flesh													
4	PORTX03PG25-2R/R	2.8	4.0	4.0	4.3	4.0	3.8	4.8	5.0	4.0	4.0	4.0	4.4
5	AC03534-2R/Y	2.9	3.0	2.8	3.5	3.3	3.1	2.6	2.0	2.5	3.1	1.9	2.4
6	CO05035-1PW/Y	2.8	2.0	4.0	4.3	4.0	3.4	3.0	3.0	3.0	2.6	2.6	2.8
7	COA07365-4RY	3.4	4.0	3.0	4.1	3.6	3.6	2.8	3.0	2.3	3.2	2.6	2.8
8	NDTX059759-3RY/Y Pinto	3.0	4.0	3.0	4.1	4.0	3.6	3.3	3.0	2.0	3.3	2.5	2.8
Yellow Flesh													
9	Yukon Gold	3.0	1.0	2.5	1.0	1.0	1.7	2.9	2.0	3.0	2.8	2.3	2.6
10	A06336-2Y	3.0	1.0	2.5	2.0	1.0	1.9	2.8	3.0	2.8	2.7	2.4	2.7
11	A06336-5Y	3.0	1.0	2.5	1.0	1.0	1.7	3.8	3.0	2.8	3.0	2.4	3.0
Mean		2.9	2.6	3.0	3.1	2.9	2.9	2.6	2.8	2.3	2.5	2.1	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	OR	CA	CO	ID	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		ON	TUL ¹	SLV	AB	SPL	DAL		ON	SPL	DAL		ON	AB	SPL	DAL	
Red/White Flesh																														
1	Chieftain	2.0	3.5	3.5	3.1	4.0	3.2	5.0	2.4	4.3	5.0	5.0	4.8	4.0	1.8	5.0	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2	Red LaSoda	2.0	3.0	1.8	1.5	3.0	2.3	5.0	9.0	3.3	5.0	5.0	4.6	3.0	5.5	4.8	5.0	5.0	4.4	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	4.8
3	COTX00104-6R	4.0	3.8	3.9	3.9	4.4	4.0	5.0	1.9	4.0	2.4	5.0	5.0	4.3	5.0	5.1	4.0	5.0	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	4.3	5.0	5.0	4.8
Red-Purple/Yellow Flesh																														
4	PORTX03PG25-2R/R	4.0	3.6	3.8	4.0	4.0	3.9	5.0	3.2	4.0	4.3	5.0	5.0	4.7	4.0	6.0	0.0	5.0	5.0	5.0	3.8	5.0	5.0	5.0	5.0	5.0	4.9	5.0	5.0	5.0
5	AC03534-2R/Y	4.0	3.9	3.9	4.0	4.0	4.0	5.0	1.2	5.0	4.8	5.0	5.0	5.0	5.0	1.2	0.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0	5.0	5.0	4.8	5.0	5.0	4.9
6	CO05035-1PW/Y	5.0	3.6	3.5	4.0	3.9	4.0	5.0	0.1	4.0	5.0	5.0	5.0	4.8	5.0	2.2	4.0	5.0	5.0	4.8	4.0	5.0	5.0	4.7	3.0	3.1	5.0	5.0	4.0	
7	COA07365-4RY	3.0	3.4	4.3	4.0	4.0	3.7	5.0	0.3	5.0	5.0	5.0	5.0	5.0	5.0	1.6	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.6	5.0	5.0	4.9
8	NDTX059759-3RY/Y Pinto	3.0	4.0	3.3	4.0	4.0	3.7	5.0	1.0	4.0	4.4	5.0	5.0	4.7	4.0	2.4	5.0	4.8	5.0	4.8	5.0	5.0	5.0	5.0	5.0	5.0	4.8	5.0	5.0	4.9
Yellow Flesh																														
9	Yukon Gold	4.0	3.9	3.8	4.0	3.8	3.9	5.0	0.6	4.0	4.8	5.0	5.0	4.8	3.0	3.9	5.0	4.9	5.0	5.0	4.6	5.0	5.0	5.0	5.0	3.0	2.8	5.0	5.0	3.9
10	A06336-2Y	5.0	3.8	3.9	4.0	4.0	4.1	4.0	0.0	5.0	5.0	5.0	5.0	4.8	4.0	11.7	5.0	4.6	5.0	5.0	4.7	5.0	5.0	5.0	5.0	2.0	4.8	5.0	5.0	4.2
11	A06336-5Y	4.0	3.8	3.4	4.0	4.0	3.8	5.0	0.3	5.0	4.9	5.0	5.0	5.0	5.0	3.2	5.0	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
Mean																														
		3.6	3.6	3.5	3.7	3.9	3.7	4.9	1.8	4.4	4.4	5.0	5.0	4.8	4.3	4.0	3.7	4.9	5.0	5.0	4.6	5.0	5.0	5.0	5.0	4.4	4.3	5.0	5.0	4.7

¹%

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	0	3	0	3	13	4	15	0	0	3	5	0	8	0	3	0	2	0	3		0	0	1	
2	Red LaSoda	0	3	3	0	5	2	13	0	0	0	3	0	5	0	33	15	11	0	0		0	0	0	
3	COTX00104-6R	0	0	8	0	5	0	5	0	3	0	2	0	5	0	5	0	2	0	5	4.5	0	0	2	
Red-Purple/Yellow Flesh																									
4	PORTX03PG25-2R/R	0	0	0	3	0	0	3	0	0	0	1	0	80	0	0	0	16	5	0	N/A	0	0	0	
5	AC03534-2R/Y	0	0	0	0	0	0	8	0	0	5	3	0	35	0	0	0	7	0	0	5.0	0	0	0	
6	CO05035-1PW/Y	0	0	0	0	0	25	4	5	0	10	40	14	0	15	0	5	20	8	0	4.9	0	0	0	
7	COA07365-4RY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5.0	0	0	0	
8	NDTX059759-3RY/Y Pinto	0	0	0	0	0	0	10	0	3	0	3	0	23	0	0	6	6	0	3	4.5	0	0	1	
Yellow Flesh																									
9	Yukon Gold	0	8	0	10	10	5	5	17	0	0	5	5	0	8	0	0	0	2	0	3	4.9	38	0	13
10	A06336-2Y	0	0	0	0	0	0	3	0	0	5	2	0	5	0	0	0	1	0	0	5.0	0	0	0	
11	A06336-5Y	0	0	0	0	0	0	5	0	0	0	1	0	5	0	0	0	1	0	0	5.0	0	0	0	
Mean																									
		0	1	1	1	2	4	2		0	1	5	4	0	17	0	4	4	5	1	1	5	3	0	2

¹ Percent based on 10 cut tubers.

² 1 to 5=none

Table 19. Disease Evaluations, Metribuzin Reaction

Entry Clone/Variety	Aberdeen							Prosser		Tulelake		
	Vert. Wilt/ Early Dying ¹	Early Blight ¹	Metr. Reaction ²	Pectobacterium soft rot	Dry rot		Scab		Corky Ringspot		Vert. AUDPC ³	
	Foliar	Foliar		0-5; 5=severe	F. sambucinum 0-5; 5=severe	F. coeruleum 0-5; 5=severe	%	% serious defects	%	% serious defects		
Red/White Flesh												
1	Chieftain	5.0	5.0	MR	4.7	2.4	3.8	12.1	4.3	39.2	21.3	710
2	Red LaSoda	5.0	5.0	S	3.4	1.8	1.9	10.7	9.4	35.8	24.4	193
3	COTX00104-6R	5.0	5.0	R	--	--	--	--	--	23.5	11.8	294
Red-Purple/Yellow Flesh												
4	PORTX03PG25-2R/R	4.5	5.0	VS	--	--	--	--	--	28.3	17.3	399
5	AC03534-2R/Y	5.0	5.0	R	4.4	4.1	1.7	21.9	3.7	33.3	18.3	301
6	CO05035-1PW/Y	4.8	5.0	R	2.6	3.0	1.7	20.9	19.6	17.5	9.3	167
7	COA07365-4RY	5.0	5.0	R	4.4	4.8	1.7	10.7	4.9	6.7	2.7	227
8	NDTX059759-3RY/Y Pinto	5.0	5.0	VS	4.6	3.6	1.0	10.8	4.5	39.2	30.0	180
Yellow Flesh												
9	Yukon Gold	4.5	5.0	R	4.4	2.1	1.1	27.5	16.1	28.4	14.2	713
10	A06336-2Y	5.0	5.0	S	4.5	4.9	3.2	6.4	2.1	5.2	1.3	519
11	A06336-5Y	4.6	4.6	R	4.8	4.6	2.8	18.4	9.0	3.3	0.5	656
Mean		4.9	5.0		4.2	3.5	2.1	15.5	8.2	23.7	13.7	

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						Texas ⁵
		Solids	Protein ¹	Dextrose ²	Sucrose ²	Vitamin C ³	TGA ⁴	µg Trolox equivalents/gfw ⁶
Red/White Flesh								
1	Chieftain	19.64	4.77	0.264	0.056	24.17	2.83	265.4
2	Red LaSoda	18.12	5.35	0.162	0.166	27.32	1.23	262.0
3	COTX00104-6R	18.33	6.30	0.260	0.067	25.52	0.59	204.0
Red-Purple/Yellow Flesh								
4	PORTX03PG25-2R/R	18.49	5.49	0.186	0.039	15.66	3.96	456.4
5	AC03534-2R/Y	17.22	5.91	0.145	0.022	22.76	0.46	237.0
6	CO05035-1PW/Y	18.36	6.01	0.207	0.100	22.44	4.33	226.5
7	COA07365-4RY	17.86	8.04	0.204	0.037	28.46	2.43	204.2
8	NDTX059759-3RY/Y Pint	18.28	6.25	0.382	0.098	22.74	1.16	283.7
Yellow Flesh								
9	Yukon Gold	21.61	6.42	0.234	0.046	40.26	3.27	278.2
10	A06336-2Y	18.34	6.38	0.145	0.043	33.13	1.62	237.9
11	A06336-5Y	18.27	6.39	0.216	0.068	27.68	1.44	134.7
Mean		18.59	6.12	0.219	0.067	26.38	2.12	253.64

^{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

⁵ 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 methanol 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. Sample extraction was performed at TAMU and the DPPH assay was performed in Dr. Anna Hale's lab - USDA Sugar Cane Breeding, Houma, LA by Dr. Himaya Mula-Michel.

⁶ µg Trolox equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: $y=284.86x - 4.9907$

Table 21. Entry Location Comments

Entry	Clone/Variety	Aberdeen, ID	Ontario, OR	Tulelake, CA	Center, CO
Red/White Flesh					
1	Chieftain	Skinned, few ats (2)	3 dull skin, growth cracks, irregular shape, keep		
2	Red LaSoda	Big, deep eyes (4); skinned, ugly (2)	4 Irregular shape, 3 deep eyes, 2 folded bud end, growth crack, drop	Check, a lot of oversized & culls	
3	COTX00104-6R	Not uniform (4); growth crack (3); some mishapen and bulging eyes	2 oversize, 3 dull skin, drop		large tuber size
Red-Purple/Yellow Flesh					
4	PORTX03PG25-2R/R	Skinned (3); low yield, points (2)	keep	Low merit score, high incidence of vascular discoloration	dry rot
5	AC03534-2R/Y	Round, uniform, few ats, (4); rough skin (2)	knobs, dull skin, 2 sprouts, chain tubers, keep	high incidence of shatter bruise	flat
6	CO05035-1PW/Y	Few ats (2); bumps, flattening	4 sprouts, 2 oversize, 2 scab, 2 greening, knobs, drop	high yield, skinned easily	flat
7	COA07365-4RY	Round, uniform, skinned (4)	3 knobs, chain tubers, keep	round shape	light yellow, powdery scab, skinned, shatter bruise, stem end
8	NDTX059759-3RY/Y Pinto	Flat, some bulging eyes (3)	keep	pointy/flat shape, shallow eyes	very flat, pink inside
Yellow Flesh					
9	Yukon Gold	Flat, scab (2); rough skin	oversize, folded bud end, knobs, heart shape, growth cracks, keep		
10	A06336-2Y	Points (4); fairly uniform, good eye	3 sprouts, greening, 2 chain tubers, irregular, folded, heart shape, drop	pear shape, high incidence of knobs	pointed, ok yellow
11	A06336-5Y	Round, uniform (4); good yield (3); some deep eyes	4 Sprouts, chain tubers, drop	high merit score	pointed, light yellow

Table 22. Entry Location Comments Continued

Entry	Clone/Variety	Springlake, TX	Dalhart, TX
Red/White Flesh			
1	Chieftain	deer damage, light skin, nice shape, BOT-, large tubers, parent	skin lighter than Red LaSoda++, high tuber set, shallow eyes, , high tuber set, large tubers, ,
2	Red LaSoda	deer damage, large tubers, very white flesh, deep eyes	deep eyes, large, ugly, , large tubers, deep eyes++, , ,
3	COTX00104-6R	very dark skin, Drop, low tuber set, russetting, large tubers, road map, early, BOT++	enlarged lenticels+++ , soil attached to skin, low tuber set++ , , shallow eyes, new market class, oblong shape, dull skin, not shiny, enlarged lenticels+ , ,
Red-Purple/Yellow Flesh			
4	PORTX03PG25-2R/R	oblong fingerling, late, heavy set, smaller, very dark flesh	long fingerling++, low tuber set+, knobs, sliver scurf+++ , uniform size
5	AC03534-2R/Y	high tuber no, intense skin color++, nice shape and small, smooth, nice, lots of B's, some road map, BOT	not uniform size, nice skin color+, small, sliver scurf, high tuber set+, small, attached stolons+, stem end discoloration, uniform size and shape, not uniform yellow flesh color
6	CO05035-1PW/Y	little internal green, spectacle, yellow green, light purple, shocking color combination, purple skin, small, high set, nice shape, some internal problems, large tubers, road map, high tuber no, intense skin color, medium flesh, uniform, Pretty, deer damage, intense red	not uniform shape+++ , several long tubers, very large tubers+, no purple skin, late?, light pattern, pointy, attached stolons+, high tuber set+, pear shaped
7	COA07365-4RY	skin, smooth, very nice, BOT, lots of B's	intense skin color+, sliver scurf+, small+++ , uniform size
8	NDTX059759-3RY/Y Pinto	spectacle, pleasant color, elegant, nice color combination, very light purple streaks, BOT, flat	unique pattern, smooth skin, flat, low tuber set++, healthy+, eye catching, few eyes, shiny, nice pattern, pink streak, attached stolons, no silver scurf
Yellow Flesh			
9	Yukon Gold	large tubers, nice shape, poor internals++	large not uniform, knobs+, very large tubers+++ , smooth skin, no silver scurf
10	A06336-2Y	skin color??, red eye, poor shape	high tuber set, pink eyes++, pointy+++ , not uniform shape, shiny skin++, smooth skin, pear shaped+
11	A06336-5Y	small, medium, smooth, nice shape and skin, heat sprouts, BOT- for small potato	attached mini tubers, snowmen, high tuber set+, small, uniform size and shape+, chain tubers

Table 23. Postharvest Evaluation Summary

	Boiled	Baked	Microwaved	Total
Clone	(25 max)	(25 max)	(25 max)	(75 max)
9 Yukon Gold	17.4	20.8	19.8	57.9
10 A06336-2Y	17.4	19.6	18.9	55.8
11 A06336-5Y	17.1	18.8	18.8	54.7

Chipped: Aug. 21

Baked: Aug. 17

Boiled: Aug. 15

Microwaved: Aug. 24

Cooking Time: Aug. 11

Table 24. Summary Means

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	***	74	130	180	292	100	16	501	5.5	1.069	3.6
2	Red LaSoda	***	58	92	143	221	148	58	499	6.3	1.067	2.9
3	COTX00104-6R	1	37	69	92	142	82	19	292	5.5	1.066	2.8
Orange/Yellow Flesh												
4	PORTX03PG25-2R/R	1	161	35	6	73	7	13	255	2.2	1.066	2.7
5	AC03534-2R/Y	2	219	119	65	198	33	7	444	2.7	1.064	3.5
6	CO05035-1PW/Y	3	68	106	125	229	126	15	430	5.1	1.073	3.7
7	COA07365-4RY	3	161	94	38	143	13	6	319	2.7	1.073	3.2
8	NDTX059759-3RY/Y P	2	84	69	50	130	42	13	266	3.4	1.071	3.3
Yellow Flesh												
9	Yukon Gold	***	47	76	128	201	109	20	368	5.9	1.082	3.7
10	A06336-2Y	2	154	110	41	164	6	28	352	3.0	1.067	3.2
11	A06336-5Y	2	246	98	19	120	2	11	378	2.4	1.067	3.5
Mean			149	95	63	162	39	20	366	3.8	1.072	3.5

¹Mean weight fractions do not equal total average because some locations do not take measurements for all criteria.

² Scale = 1-5 best

Table 25. 2 or 3 Year Summary Means

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-Purple/Yellow Flesh												
4	AC03534-2R/Y	2	197	120	87	213	42	8	454	2.9	1.065	3.6
5	CO05035-1PW/Y	3	87	106	131	242	121	15	470	5.0	1.073	3.3
6	COA07365-4RY	3	156	94	51	144	15	8	317	2.7	1.073	3.3
7	NDTX059759-3RY/Y P	2	110	96	76	181	47	11	353	3.6	1.073	3.5
Yellow Flesh												
8	Yukon Gold	***	57	79	119	197	98	13	369	5.5	1.081	3.1
9	A06336-2Y	2	139	114	57	188	13	21	369	3.3	1.069	3.2
10	A06336-5Y	2	237	97	21	125	3	8	373	2.4	1.067	3.3
Mean			141	101	77	184	48	12	386	3.6	1.072	3.3

^{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. 2 or 3 Year Comments

Entry Clone/Variety	Strengths	Weakness
Red-Purple/Yellow Flesh		
4 AC03534-2R/Y	keep, high tuber no, intense skin color++, nice shape and small, smooth, nice, lots of B's, BOT, Uniform, round, very nice yellow flesh, nice skin color	Not real uniform, few points/misshapen, knobs, dull skin, 2 sprouts, chain tubers, some road map, few flat, not uniform size, sliver scurf, attached stolons+, stem end discoloration, not uniform yellow flesh color
5 CO05035-1PW/Y	spectacle (pinto), shocking color combination, purple skin, small, high set, nice shape, BOT, nice yield, nice shape, nice purple color,	Some russeting, not real uniform, little internal green, yellow green, light purple, some internal problems, large tubers, road map, some hollow heart, big, scab, green, some attached stolons, purple pinto, rough chain tubers, faded purple color, sprouts, oversize, scab, greening, knobs, drop, several long tubers, very large tubers+, no purple skin, late?, light pattern, pointy, attached stolons+, sprouting at grading, greenhead, deep eyes, rough, very light purple skin, oversized, poor shape
6 COA07365-4RY	Uniform, high tuber no, intense skin color, medium flesh, Pretty, smooth, very nice, BOT, lots of B's, heavy set,	skinning, sliver scurf+, terrible shatter, powdery scab, skinned, shatter bruise, stem end
7 NDTX059759-3RY/Y Pinto	keep, spectacle (pinto), pleasant color, elegant, nice color combination, very light purple streaks, BOT, flat, nice red skin color, unique pattern, smooth skin, no silver scurf, nice flesh, smooth skin	Flat, some green, pink inside, low tuber set++, attached stolons, very flat,
Yellow Flesh		
9 A06336-2Y	ok yellow, high tuber set, pink eyes++, nice flesh	Few misshapen/points, skin color??, poor shape, light set, sprouts, greening, chain tubers, irregular, folded, heart shape, drop, pointy+++, not uniform shape, pointed
10 A06336-5Y	Small, round, uniform, high set, smooth, nice shape and skin, BOT- for small potato, very small, uniform size and shape+, nice size small potato, nice shape and flesh	heat sprouts, Sprouts, chain tubers, drop, attached mini tubers, snowmen, pointed, light yellow

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