

# 2010 Western Regional Red/Specialty Trial

## Table of Contents

Table 1	Trial Locations and Cultural Management	Page 1
Table 2	Clone Descriptions	Page 2
Table 3	Percent Stand and Stems/Hill	Page 3
Table 4	Vine Size and Maturity	Page 4
Table 5	Total Yield	Page 5
Table 6	Yield and Percent <4 oz.	Page 6
Table 7	Yield and Percent 4-6 oz.	Page 7
Table 8	Yield and Percent 6-10 oz.	Page 8
Table 9	Yield and Percent >10 oz.	Page 9
Table 10	Yield and Percent 4-10 oz.	Page 10
Table 11	Yield and Percent Culls	Page 11
Table 12	Specific Gravity	Page 12
Table 13	Average Tuber Size and Tubers Per Plant	Page 13
Table 14	Tuber Uniformity, Fresh Merit Score, Process Merit Score and Process Color	Page 14
Table 15	Tuber Shape and Length Width Ratio	Page 15
Table 16	Skin and Flesh Color	Page 16
Table 17	Eye Depth and External Defects	Page 17
Table 18	Internal Defects	Page 18
Table 19	Disease Evaluations	Page 19
Table 20	Culinary Tuber Quality	Page 20
Table 21	Tuber Composition	Page 21
Table 22	Entry Location Comments	Page 22
Table 23	Entry Location Comments Continued	Page 23
Table 24	Entry Location Comments Continued	Page 24
Table 25	Entry Summary	Page 25
Table 26	2 Year Summary of Graduating Entries	Page 26
Compiled By		Back Cover

**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
Tulelake California <b>(TUL)</b>	R. Wilson D. Kirby	Late	Sprinkler	195-246-6-84	5/13/2010	9/16/2010	Chemical	10/7/2010	Outlook Matrix	Movento, Coragen	Bravo, Quadris, Blocker
San Luis Valley Colorado <b>(SLV)</b>	D. Holm, C. Gray	Late	Pivot	120-60-40 2.5 Zn	5/14/2010	9/1/2010	Sulfuric Acid	9/27/2010	Dual Magnum	Endigo ZC Fulfill	Bravo WS Quadris
Aberdeen Idaho <b>(AB)</b>	J. Stark, R. Novy, J. Whitworth, P. Bain, M. Chappell	Late	Sprinkler	240-105-0	5/7/2010	8/17/2010	mechanical	9/7/2010	Sencor, Matrix, Eptam	Admire Pro	Echo
Corvallis Oregon <b>(COR)</b>	S. Yilma J. Reed	Late	Sprinkler	160-160-160	6/1/2010	10/6/2010	Rely	10/19/2010	Matrix, Prowl	Platinum, Provado	Bravo, Dithane, Quadris, Curzate
Klamath Falls Oregon <b>(KLM)</b>	B. Charlton, D. Culp	Late	Sprinkler	160-191-185-97	5/13/2010	9/2/2010	Rely	10/13/2010	Matrix Metribuzin	Admire Pro	Topps MZ, Quadris, Ridomil Bravo, Headline, Endura
Springlake Texas <b>(SPL)*</b> <i>See comment below</i>	J. C. Miller Jr., J. Koym, D. Schuering	Early	Pivot	117-33-33-24	3/31/2010	7/23/2010	mechanical	8/2/2010	Sencor Roundup Treflan	Admire Pro Rimon x2, Movento, Fulfill, Agrimek, Trcer, Venom, Abacus	Bravo Dithane Quadris Super Tin
Mt. Vernon Washington <b>(MV)</b>	M. Pavek, R. Knowles, Z. Holden N. Fuller	Early	Spinker 3 times	53-156-246	4/26/2010	8/17/2010	Defoliant	9/13/2010	Eptam Dencor Gramoxone Rely	Leverage	Bravo Previcure Ridomil Reason

\*Texas Comment: These trials were subjected to above average precipitation in the third week of April, third week of May, and the first week of July. Higher than normal temperatures were recorded for June. The plots received a moderately severe hail in May. Psyllid population was high. All of these factors resulted in very low yield for all trials. Thus none of the Texas yield data was included in the entry means of all locations.

**Table 2. Description of Clones - 2010 Western Regional Red/Specialty Trial**

Clone/Variety	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Flesh Color	Entered			
	Female	Male							By	Seed	Year	DISPO
<b>Red/White Flesh</b>												
1	Dk Red Norland	RedKote	ND626	Red-purple	Small	Early	Oval	Dark Red	White	Check	OR	***
2	Red LaSoda	Triumph	Katahdin	Red-purple	Med	Med	Oval	Lt. Red	White	Check	OR	***
3	BTX2332-1R	B1523-4	Super Red Norland	Lavender	Large	Medium	Round	Red	White	TX	CO	2
4	C099076-6R	AC91848-1	Rio Colorado	Red-Purple	Medium	Early	Round	Red	White	CO	CO	1
5	C099256-2R	Rio Colorado	Colorado Rose	Purple	Large	Medium	Oval	Red	White	CO	CO	1
6	COTX94216-1R	Purple Peruvian	Chipeta	Purple	Medium	Medium	Round	Red	White	TX	CO	2
7	COTX94218-1R	Red Ruby	Red Gold	Lavender	Large	Medium	Round	Red	White	TX	CO	2
<b>Red-Purple/Yellow Flesh</b>												
8	A99326-1PY	Agria	COA94019-5R	Med Purple	Med-small	Med-early	Round	Purple	Yellow	ID	OR	2
9	A99331-2RY	Inca Gold	COA94019-5R	Dk Red-purple	M-large	Medium	Round	Red/white	Yellow	ID	ID	1
10	POR03PG80-2	Satina	PA99P35-1	Red-purple	Medium	Med-early	Oblong	Medium purple	Yellow	OR	OR	2
<b>Red/Red Flesh</b>												
<b>Purple/Purple Flesh</b>												
11	Purple Majesty	All Blue	ND2008-2	Blue	Medium	Early	Oval	Purple	Purple	Check	OR	***
<b>Yellow Flesh</b>												
12	Yukon Gold	Nogleam	W5279-4	Pink	Med	Early	Oval	White	Yellow	Check	OR	***
13	A00286-3Y	Yukon Gem	A89655-5DY	Red-purple	M-large	Med-late	Oval	Yel./pink eye splash	Yellow	ID	OR	2
14	A99433-5Y	Chipeta	MSG274-3	White	M-large	Med-late	Round	Yellow	Yellow	ID	ID	1
15	ATC00293 -1W/Y	Agria	TXA1655-1DY	Purple	Large	Medium	Oblong	White	Yellow	CO	CO	1
16	C000412-5W/Y	German Butterball	TX1523-1RU/Y	Purple	Large	Medium	Oval	White	Yellow	CO	CO	2

**Table 3. Percent Stand and Stems/Hill**

Entry	Clone/Variety	Percent Stand							Stems/Hill					
		CA	CO	ID	OR		TX	WA	Mean	CO	ID	TX	WA	Mean
		TUL	SLV	AB	COR	KLM	SPL	MV		SLV	AB	SPL	OTH	
<b>Red/White Flesh</b>														
1	Dk Red Norland	95	93	96	99	98	89	100	<b>96</b>	3.4	2.9	3.1	3.2	<b>3.1</b>
2	Red LaSoda	95	98	96	97	97	82	96	<b>94</b>	2.3	2.0	2.3	2.0	<b>2.2</b>
3	BTX2332-1R	95	99	100	100	98	88	96	<b>97</b>	3.0	2.9	2.7	3.6	<b>3.0</b>
4	CO99076-6R	85	95	99	100	92	81	97	<b>93</b>	2.4	2.6	1.7	2.4	<b>2.3</b>
5	CO99256-2R	90	97	93	100	97	98	100	<b>96</b>	3.3	2.2	2.5	2.5	<b>2.6</b>
6	COTX94216-1R	92	100	99	100	99	91	93	<b>96</b>	2.9	3.3	3.3	3.7	<b>3.3</b>
7	COTX94218-1R	94	100	98	100	99	92	100	<b>98</b>	3.3	3.7	3.8	3.7	<b>3.6</b>
<b>Red-Purple/Yellow Flesh</b>														
8	A99326-1PY	90	98	98	99	94	98	100	<b>97</b>	2.1	2.2	2.1	2.9	<b>2.3</b>
9	A99331-2RY	96	---	96	100	99	96	82	<b>95</b>	---	3.4	2.2	2.5	<b>2.7</b>
10	POR03PG80-2	91	96	96	97	96	86	89	<b>93</b>	1.7	1.4	1.9	2.0	<b>1.7</b>
<b>Red/Red Flesh</b>														
<b>Purple/Purple Flesh</b>														
11	Purple Majesty	95	100	100	100	95	99	99	<b>98</b>	3.2	3.2	3.4	3.4	<b>3.3</b>
<b>Yellow Flesh</b>														
12	Yukon Gold	89	94	90	97	96	79	94	<b>91</b>	1.9	1.7	1.6	2.2	<b>1.8</b>
13	A00286-3Y	93	97	99	100	98	92	92	<b>96</b>	2.9	2.8	2.7	2.7	<b>2.8</b>
14	A99433-5Y	96	---	94	100	96	100	75	<b>94</b>	---	2.7	2.4	2.3	<b>2.5</b>
15	ATC00293 -1W/Y	93	100	98	100	96	94	93	<b>96</b>	2.8	2.3	2.3	2.1	<b>2.4</b>
16	CO00412-5W/Y	97	97	98	99	95	100	96	<b>97</b>	2.8	3.7	3.8	2.9	<b>3.3</b>
<b>Mean</b>		<b>93</b>	<b>97</b>	<b>97</b>	<b>99</b>	<b>97</b>	<b>92</b>	<b>94</b>	<b>95</b>	<b>2.7</b>	<b>2.7</b>	<b>2.6</b>	<b>2.7</b>	<b>2.7</b>

**Table 4. Vine Size and Vine Maturity**

Entry Clone/Variety	Vine Size (1-5 large)						Vine Maturity (1-5 late)					
	CO	ID	OR		TX	Mean	CO	ID	OR		TX	Mean
	SLV	AB	COR	KLM	SPL		SLV	AB	COR	KLM	SPL	
<b>Red/White Flesh</b>												
1 Dk Red Norland	2.0	2.0	2.0	3.8	4.0	<b>2.8</b>	1.5	3.5	1.0	3.0	3.2	<b>2.4</b>
2 Red LaSoda	4.0	2.3	3.0	3.0	4.1	<b>3.3</b>	3.0	3.8	3.0	2.8	2.7	<b>3.1</b>
3 BTX2332-1R	2.8	2.3	5.0	3.4	3.5	<b>3.4</b>	3.0	3.8	3.0	2.8	3.6	<b>3.2</b>
4 CO99076-6R	3.0	1.3	3.0	3.3	3.3	<b>2.8</b>	2.3	3.5	2.0	3.0	4.1	<b>3.0</b>
5 CO99256-2R	3.8	3.3	5.0	3.0	4.3	<b>3.9</b>	3.0	4.3	3.0	3.5	4.8	<b>3.7</b>
6 COTX94216-1R	2.8	1.8	3.0	3.4	3.9	<b>3.0</b>	2.3	3.3	3.0	2.4	3.9	<b>3.0</b>
7 COTX94218-1R	3.8	2.8	5.0	3.0	3.7	<b>3.7</b>	3.0	3.8	3.0	3.5	5.0	<b>3.7</b>
<b>Red-Purple/Yellow Flesh</b>												
8 A99326-1PY	4.0	3.3	2.0	3.9	4.7	<b>3.6</b>	3.0	4.3	2.0	2.6	3.5	<b>3.1</b>
9 A99331-2RY	---	3.0	4.0	4.0	4.1	<b>3.8</b>	---	4.5	3.0	3.4	5.0	<b>4.0</b>
10 POR03PG80-2	4.0	3.5	3.0	3.3	3.7	<b>3.5</b>	3.0	4.0	3.0	2.4	5.0	<b>3.5</b>
<b>Red/Red Flesh</b>												
<b>Purple/Purple Flesh</b>												
11 Purple Majesty	3.3	2.3	3.0	3.8	4.5	<b>3.4</b>	2.5	3.5	2.0	2.6	1.5	<b>2.4</b>
<b>Yellow Flesh</b>												
12 Yukon Gold	3.3	2.0	3.0	3.1	3.8	<b>3.0</b>	2.0	3.5	2.0	2.4	2.6	<b>2.5</b>
13 A00286-3Y	5.0	3.3	4.0	3.9	4.5	<b>4.1</b>	3.5	4.5	4.0	4.1	5.0	<b>4.2</b>
14 A99433-5Y	---	3.8	4.0	3.9	4.5	<b>4.0</b>	---	4.8	4.0	4.1	4.4	<b>4.3</b>
15 ATC00293 -1W/Y	4.8	2.8	5.0	3.1	4.5	<b>4.0</b>	3.0	4.5	3.0	3.0	4.7	<b>3.6</b>
16 CO00412-5W/Y	3.3	2.5	5.0	3.8	4.3	<b>3.8</b>	3.0	3.5	3.0	4.1	4.2	<b>3.6</b>
<b>Mean</b>	<b>3.5</b>	<b>2.6</b>	<b>3.7</b>	<b>3.5</b>	<b>4.1</b>	<b>3.5</b>	<b>2.7</b>	<b>3.9</b>	<b>2.8</b>	<b>3.1</b>	<b>4.0</b>	<b>3.3</b>

**Table 5. Total Yield**

Entry	Clone/Variety	Total Yield (cwt/A)							Mean	Rank
		CA	CO	ID	OR		TX	WA		
		TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV		
<b>Red/White Flesh</b>										
1	Dk Red Norland	558	483	380	520	576	335	420	<b>489</b>	<b>2</b>
2	Red LaSoda	527	648	402	456	572	252	430	<b>506</b>	<b>1</b>
3	BTX2332-1R	548	533	348	557	561	151	326	<b>479</b>	<b>3</b>
4	CO99076-6R	440	389	322	540	471	179	263	<b>404</b>	<b>6</b>
5	CO99256-2R	476	526	289	656	530	56	320	<b>466</b>	<b>4</b>
6	COTX94216-1R	464	445	231	613	412	149	290	<b>409</b>	<b>5</b>
7	COTX94218-1R	485	493	222	430	508	74	277	<b>403</b>	<b>7</b>
<b>Red-Purple/Yellow Flesh</b>										
8	A99326-1PY	489	476	308	452	490	160	433	<b>441</b>	<b>2</b>
9	A99331-2RY	349	---	267	725	499	75	256	<b>419</b>	<b>3</b>
10	POR03PG80-2	461	546	331	536	520	214	328	<b>454</b>	<b>1</b>
<b>Red/Red Flesh</b>										
<b>Purple/Purple Flesh</b>										
11	Purple Majesty	481	515	462	589	520	267	256	<b>470</b>	<b>1</b>
<b>Yellow Flesh</b>										
12	Yukon Gold	403	426	327	423	489	208	260	<b>388</b>	<b>5</b>
13	A00286-3Y	559	595	268	626	563	110	322	<b>489</b>	<b>1</b>
14	A99433-5Y	534	---	292	576	502	100	281	<b>437</b>	<b>4</b>
15	ATC00293 -1W/Y	469	572	346	433	477	167	426	<b>454</b>	<b>2</b>
16	CO00412-5W/Y	442	508	322	570	514	85	316	<b>445</b>	<b>3</b>
<b>Mean</b>		<b>480</b>	<b>511</b>	<b>320</b>	<b>544</b>	<b>513</b>	<b>161</b>	<b>325</b>	<b>447</b>	

<sup>1/</sup>Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 6. Yield and Percent < 4 oz**

Entry Clone/Variety	Yield < 4 oz (Cwt/A & %)								Percent < 4 oz (Cwt/A & %)										
	CA	CO	ID	OR		TX	WA	Mean	Rank	CA	CO	ID	OR		TX	WA	Mean	Rank	
	TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV			TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV			
<b>Red/White Flesh</b>																			
1	Dk Red Norland	67	30	25	116	79	185	93	<b>68</b>	<b>6</b>	12	6	7	22	14	55	22	<b>14</b>	<b>6</b>
2	Red LaSoda	38	28	22	118	40	144	66	<b>52</b>	<b>7</b>	7	4	5	26	7	57	15	<b>11</b>	<b>7</b>
3	BTX2332-1R	51	35	46	164	66	130	144	<b>84</b>	<b>4</b>	9	7	13	29	12	86	44	<b>19</b>	<b>5</b>
4	C099076-6R	54	45	74	105	78	138	98	<b>76</b>	<b>5</b>	12	11	23	19	17	77	37	<b>20</b>	<b>4</b>
5	C099256-2R	136	113	121	88	125	56	204	<b>131</b>	<b>2</b>	29	21	42	13	24	100	64	<b>32</b>	<b>2</b>
6	C0TX94216-1R	144	111	124	133	132	126	170	<b>136</b>	<b>1</b>	31	25	54	22	32	84	59	<b>37</b>	<b>1</b>
7	C0TX94218-1R	105	89	88	63	142	74	159	<b>108</b>	<b>3</b>	22	18	40	15	28	100	57	<b>30</b>	<b>3</b>
<b>Red-Purple/Yellow Flesh</b>																			
8	A99326-1PY	71	38	50	67	69	85	106	<b>67</b>	<b>2</b>	15	8	16	15	14	53	25	<b>15</b>	<b>2</b>
9	A99331-2RY	174	---	176	109	261	70	172	<b>179</b>	<b>1</b>	50	---	66	15	52	93	67	<b>50</b>	<b>1</b>
10	POR03PG80-2	32	18	52	151	29	83	74	<b>59</b>	<b>3</b>	7	3	16	28	6	39	23	<b>14</b>	<b>3</b>
<b>Red/Red Flesh</b>																			
<b>Purple/Purple Flesh</b>																			
11	Purple Majesty	204	215	169	54	202	194	202	<b>174</b>	<b>1</b>	42	42	37	9	39	73	79	<b>41</b>	<b>1</b>
<b>Yellow Flesh</b>																			
12	Yukon Gold	47	28	39	83	41	79	49	<b>48</b>	<b>5</b>	12	7	12	20	8	38	19	<b>13</b>	<b>5</b>
13	A00286-3Y	139	75	139	121	98	109	119	<b>115</b>	<b>2</b>	25	13	52	19	17	99	37	<b>27</b>	<b>3</b>
14	A99433-5Y	70	---	118	111	109	77	131	<b>108</b>	<b>3</b>	13	---	40	19	22	78	46	<b>28</b>	<b>2</b>
15	ATC00293 -1W/Y	64	40	83	61	100	113	104	<b>75</b>	<b>4</b>	14	7	24	14	21	68	24	<b>17</b>	<b>4</b>
16	C000412-5W/Y	134	78	133	60	126	74	183	<b>119</b>	<b>1</b>	30	15	41	11	25	86	58	<b>30</b>	<b>1</b>
<b>Mean</b>		<b>96</b>	<b>67</b>	<b>91</b>	<b>100</b>	<b>106</b>	<b>108</b>	<b>130</b>	<b>100</b>		<b>21</b>	<b>13</b>	<b>30</b>	<b>19</b>	<b>21</b>	<b>74</b>	<b>42</b>	<b>25</b>	

<sup>1/</sup>Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 7. Yield and Percent 4-6 oz.**

Entry Clone/Variety	Yield 4-6 oz (Cwt/A)							Percent 4-6 oz (%)								
	CA	ID	OR		TX	WA	Mean	Rank	CA	ID	OR		TX	WA	Mean	Rank
	TUL	AB	COR	KLM	SPL <sup>1</sup>	MV			TUL	AB	COR	KLM	SPL <sup>1</sup>	MV		
<b>Red/White Flesh</b>																
1 Dk Red Norland	112	42	65	111	123	113	<b>89</b>	<b>3</b>	20	11	13	19	37	27	<b>18</b>	<b>5</b>
2 Red LaSoda	67	48	44	74	73	94	<b>65</b>	<b>7</b>	13	12	10	13	29	22	<b>14</b>	<b>7</b>
3 BTX2332-1R	81	48	74	122	22	80	<b>81</b>	<b>6</b>	15	14	13	22	14	25	<b>18</b>	<b>6</b>
4 CO99076-6R	77	57	97	86	40	92	<b>82</b>	<b>5</b>	18	18	18	18	22	35	<b>21</b>	<b>4</b>
5 CO99256-2R	142	87	133	148	0	75	<b>117</b>	<b>1</b>	30	30	20	28	0	23	<b>26</b>	<b>1</b>
6 COTX94216-1R	129	50	115	86	19	58	<b>88</b>	<b>4</b>	28	22	19	21	13	20	<b>22</b>	<b>3</b>
7 COTX94218-1R	108	68	79	146	0	85	<b>97</b>	<b>2</b>	22	31	18	29	0	31	<b>26</b>	<b>2</b>
<b>Red-Purple/Yellow Flesh</b>																
8 A99326-1PY	87	43	82	105	42	94	<b>82</b>	<b>2</b>	18	14	18	21	27	22	<b>19</b>	<b>2</b>
9 A99331-2RY	103	67	196	133	0	54	<b>111</b>	<b>1</b>	30	25	27	27	0	21	<b>26</b>	<b>1</b>
10 POR03PG80-2	75	77	44	78	41	94	<b>74</b>	<b>3</b>	16	23	8	15	19	29	<b>18</b>	<b>3</b>
<b>Red/Red Flesh</b>																
<b>Purple/Purple Flesh</b>																
11 Purple Majesty	130	85	144	150	13	39	<b>109</b>	<b>1</b>	27	18	24	29	5	15	<b>23</b>	<b>1</b>
<b>Yellow Flesh</b>																
12 Yukon Gold	72	59	51	62	66	65	<b>62</b>	<b>5</b>	18	18	12	13	32	25	<b>17</b>	<b>5</b>
13 A00286-3Y	142	71	91	177	1	81	<b>112</b>	<b>1</b>	25	26	15	31	1	25	<b>25</b>	<b>3</b>
14 A99433-5Y	136	95	74	133	15	82	<b>104</b>	<b>3</b>	25	33	13	26	15	29	<b>25</b>	<b>2</b>
15 ATC00293 -1W/Y	98	83	46	115	34	118	<b>92</b>	<b>4</b>	21	24	11	24	21	28	<b>21</b>	<b>4</b>
16 CO00412-5W/Y	123	89	119	146	5	82	<b>112</b>	<b>2</b>	28	28	21	29	5	26	<b>26</b>	<b>1</b>
<b>Mean</b>	<b>105</b>	<b>67</b>	<b>91</b>	<b>117</b>	<b>31</b>	<b>82</b>	<b>92</b>		<b>22</b>	<b>22</b>	<b>16</b>	<b>23</b>	<b>15</b>	<b>25</b>	<b>22</b>	

<sup>1/</sup>Yield data not included in entry means. See comment Page 1 for Springlake, TX.



**Table 8. Yield and Percent 6-10 oz.**

Entry Clone/Variety	Yield 6-10 oz (Cwt/A)							Percent 6-10 oz (%)								
	CA	ID	OR		TX	WA	Mean	Rank	CA	ID	OR		TX	WA	Mean	Rank
	TUL	AB	COR	KLM	SPL <sup>1</sup>	MV			TUL	AB	COR	KLM	SPL <sup>1</sup>	MV		
<b>Red/White Flesh</b>																
1 Dk Red Norland	213	146	158	209	23	160	<b>177</b>	<b>1</b>	38	38	30	36	7	38	<b>36</b>	<b>1</b>
2 Red LaSoda	192	110	115	132	36	183	<b>146</b>	<b>3</b>	36	27	25	23	14	42	<b>31</b>	<b>4</b>
3 BTX2332-1R	184	144	178	207	0	79	<b>158</b>	<b>2</b>	34	41	32	37	0	24	<b>34</b>	<b>2</b>
4 CO99076-6R	186	111	181	141	0	67	<b>137</b>	<b>5</b>	42	34	34	30	0	25	<b>33</b>	<b>3</b>
5 CO99256-2R	162	75	276	158	0	39	<b>142</b>	<b>4</b>	34	26	42	30	0	12	<b>29</b>	<b>5</b>
6 COTX94216-1R	130	40	202	88	0	50	<b>102</b>	<b>6</b>	28	17	33	21	0	17	<b>23</b>	<b>7</b>
7 COTX94218-1R	158	51	143	121	0	30	<b>101</b>	<b>7</b>	33	23	33	24	0	11	<b>25</b>	<b>6</b>
<b>Red-Purple/Yellow Flesh</b>																
8 A99326-1PY	164	119	154	141	25	158	<b>147</b>	<b>1</b>	34	39	34	29	16	37	<b>34</b>	<b>1</b>
9 A99331-2RY	54	21	219	75	0	29	<b>80</b>	<b>3</b>	15	8	30	15	0	11	<b>16</b>	<b>3</b>
10 POR03PG80-2	194	120	132	145	75	117	<b>142</b>	<b>2</b>	42	36	25	28	35	36	<b>33</b>	<b>2</b>
<b>Red/Red Flesh</b>																
<b>Purple/Purple Flesh</b>																
11 Purple Majesty	99	177	209	96	0	14	<b>119</b>	<b>1</b>	21	38	35	18	0	5	<b>24</b>	<b>1</b>
<b>Yellow Flesh</b>																
12 Yukon Gold	129	115	127	119	53	90	<b>116</b>	<b>4</b>	32	35	30	24	25	34	<b>31</b>	<b>2</b>
13 A00286-3Y	185	47	232	172	0	79	<b>143</b>	<b>3</b>	33	18	37	31	0	24	<b>29</b>	<b>4</b>
14 A99433-5Y	226	71	206	173	6	49	<b>145</b>	<b>2</b>	42	24	36	34	6	17	<b>31</b>	<b>3</b>
15 ATC00293 -1W/Y	183	133	114	145	18	161	<b>147</b>	<b>1</b>	39	38	26	30	11	38	<b>34</b>	<b>1</b>
16 CO00412-5W/Y	143	75	189	115	5	42	<b>113</b>	<b>5</b>	32	23	33	22	6	13	<b>25</b>	<b>5</b>
<b>Mean</b>	<b>163</b>	<b>97</b>	<b>177</b>	<b>140</b>	<b>15</b>	<b>84</b>	<b>132</b>		<b>33</b>	<b>29</b>	<b>32</b>	<b>27</b>	<b>7</b>	<b>24</b>	<b>29</b>	

<sup>1/</sup>Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 9. Yield and Percent >10 oz.**

Entry Clone/Variety	Yield >10 oz (Cwt/A)								Percent >10 oz (%)										
	CA	CO	ID	OR		TX	WA	Mean	Rank	CA	CO	ID	OR		TX	WA	Mean	Rank	
	TUL <sup>1</sup>	SLV	AB	COR	KLM	SPL <sup>2</sup>	MV			TUL <sup>1</sup>	SLV	AB	COR	KLM	SPL <sup>2</sup>	MV			
<b>Red/White Flesh</b>																			
1	Dk Red Norland	139	140	139	33	125	0	49	<b>104</b>	<b>3</b>	25	29	37	6	22	0	12	<b>22</b>	<b>3</b>
2	Red LaSoda	191	282	143	29	216	0	84	<b>158</b>	<b>1</b>	36	44	36	6	38	0	19	<b>30</b>	<b>1</b>
3	BTX2332-1R	206	216	95	36	126	0	22	<b>117</b>	<b>2</b>	38	41	27	6	23	0	7	<b>24</b>	<b>2</b>
4	CO99076-6R	100	85	72	52	63	0	0	<b>62</b>	<b>4</b>	23	22	22	10	13	0	0	<b>15</b>	<b>4</b>
5	CO99256-2R	23	74	5	70	68	0	0	<b>40</b>	<b>6</b>	5	14	2	11	13	0	0	<b>7</b>	<b>7</b>
6	COTX94216-1R	28	98	3	63	45	0	0	<b>39</b>	<b>7</b>	6	22	1	10	11	0	0	<b>8</b>	<b>6</b>
7	COTX94218-1R	92	112	12	52	45	0	2	<b>53</b>	<b>5</b>	19	23	5	12	9	0	1	<b>11</b>	<b>5</b>
<b>Red-Purple/Yellow Flesh</b>																			
8	A99326-1PY	131	207	81	58	137	2	74	<b>115</b>	<b>2</b>	27	44	26	13	28	1	17	<b>26</b>	<b>2</b>
9	A99331-2RY	7	---	0	75	6	0	0	<b>18</b>	<b>3</b>	2	---	0	10	1	0	0	<b>3</b>	<b>3</b>
10	POR03PG80-2	145	293	37	39	220	5	36	<b>128</b>	<b>1</b>	31	54	11	7	42	2	11	<b>26</b>	<b>1</b>
<b>Red/Red Flesh</b>																			
<b>Purple/Purple Flesh</b>																			
11	Purple Majesty	22	28	12	91	28	0	0	<b>30</b>	<b>1</b>	5	5	3	15	5	0	0	<b>6</b>	<b>1</b>
<b>Yellow Flesh</b>																			
12	Yukon Gold	135	225	96	36	223	0	53	<b>128</b>	<b>1</b>	33	53	29	9	46	0	20	<b>32</b>	<b>1</b>
13	A00286-3Y	54	114	6	44	76	0	43	<b>56</b>	<b>3</b>	10	19	2	7	13	0	13	<b>11</b>	<b>3</b>
14	A99433-5Y	89	---	5	39	68	0	17	<b>44</b>	<b>5</b>	17	---	2	7	14	0	6	<b>9</b>	<b>5</b>
15	ATC00293 -1W/Y	80	256	37	53	53	0	33	<b>85</b>	<b>2</b>	17	45	11	12	11	0	8	<b>17</b>	<b>2</b>
16	CO00412-5W/Y	33	143	12	69	53	0	0	<b>52</b>	<b>4</b>	7	28	4	12	10	0	0	<b>10</b>	<b>4</b>
<b>Mean</b>		<b>92</b>	<b>162</b>	<b>47</b>	<b>52</b>	<b>97</b>	<b>0</b>	<b>26</b>	<b>77</b>		<b>19</b>	<b>32</b>	<b>14</b>	<b>10</b>	<b>19</b>	<b>0</b>	<b>7</b>	<b>16</b>	

<sup>1</sup>/10-14 oz.

<sup>2</sup>/Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 10. Yield and Percent 4 -10 oz.**

Entry Clone/Variety	Yield 4-10 oz (Cwt/A)								Percent 4-10 oz (%)										
	CA	CO	ID	OR		TX	WA	Mean Rank	CA	CO	ID	OR		TX	WA	Mean Rank			
	TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV		TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV				
<b>Red/White Flesh</b>																			
1	Dk Red Norland	325	306	188	223	320	147	273	<b>272</b>	<b>1</b>	58	63	49	43	56	44	65	<b>56</b>	<b>3</b>
2	Red LaSoda	259	290	158	159	206	109	277	<b>225</b>	<b>5</b>	49	45	39	35	36	43	64	<b>45</b>	<b>7</b>
3	BTX2332-1R	265	259	192	252	329	22	159	<b>243</b>	<b>3</b>	48	49	55	45	59	14	49	<b>51</b>	<b>5</b>
4	C099076-6R	263	255	168	278	226	40	159	<b>225</b>	<b>4</b>	60	65	52	51	48	22	61	<b>56</b>	<b>2</b>
5	C099256-2R	304	339	162	409	306	0	114	<b>272</b>	<b>2</b>	64	64	56	62	58	0	36	<b>57</b>	<b>1</b>
6	COTX94216-1R	259	231	90	317	173	19	108	<b>196</b>	<b>7</b>	56	52	39	52	42	13	37	<b>46</b>	<b>6</b>
7	COTX94218-1R	266	269	119	222	267	0	115	<b>210</b>	<b>6</b>	55	55	54	52	53	0	41	<b>51</b>	<b>4</b>
<b>Red-Purple/Yellow Flesh</b>																			
8	A99326-1PY	251	227	162	236	246	68	252	<b>229</b>	<b>1</b>	51	48	53	52	50	43	58	<b>52</b>	<b>1</b>
9	A99331-2RY	157	---	88	415	208	0	83	<b>190</b>	<b>3</b>	45	---	33	57	42	0	32	<b>42</b>	<b>3</b>
10	POR03PG80-2	269	222	197	176	223	116	211	<b>216</b>	<b>2</b>	58	41	60	33	43	54	64	<b>50</b>	<b>2</b>
<b>Red/Red Flesh</b>																			
<b>Purple/Purple Flesh</b>																			
11	Purple Majesty	229	268	262	353	246	13	53	<b>235</b>	<b>1</b>	48	52	57	60	47	5	21	<b>47</b>	<b>1</b>
<b>Yellow Flesh</b>																			
12	Yukon Gold	201	164	174	178	181	119	155	<b>175</b>	<b>5</b>	50	39	53	42	37	57	59	<b>47</b>	<b>5</b>
13	A00286-3Y	327	398	118	323	349	1	159	<b>279</b>	<b>1</b>	58	67	44	52	62	1	50	<b>55</b>	<b>2</b>
14	A99433-5Y	362	---	166	280	306	21	131	<b>249</b>	<b>2</b>	68	---	57	49	61	21	47	<b>56</b>	<b>1</b>
15	ATC00293 -1W/Y	281	265	216	160	259	53	279	<b>243</b>	<b>3</b>	60	46	62	37	54	31	65	<b>54</b>	<b>3</b>
16	C000412-5W/Y	266	276	164	308	262	9	124	<b>233</b>	<b>4</b>	60	54	51	54	51	11	39	<b>52</b>	<b>4</b>
<b>Mean</b>		<b>268</b>	<b>269</b>	<b>164</b>	<b>268</b>	<b>257</b>	<b>46</b>	<b>166</b>	<b>231</b>		<b>56</b>	<b>53</b>	<b>51</b>	<b>48</b>	<b>50</b>	<b>22</b>	<b>49</b>	<b>51</b>	

<sup>1</sup>/Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 11. Yield and Percent Culls**

Entry Clone/Variety	Yield Culls (Cwt/A)								Percent Culls (%)										
	CA <sup>1</sup>	CO	ID	OR		TX	WA	Mean	Rank	CA <sup>1</sup>	CO	ID	OR		TX	WA	Mean	Rank	
	TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV			TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>	MV			
<b>Red/White Flesh</b>																			
1	Dk Red Norland	26	6	28	147	53	3	5	<b>44</b>	<b>2</b>	5	1	7	28	9	1	1	<b>9</b>	<b>3</b>
2	Red LaSoda	40	47	79	150	109	0	4	<b>72</b>	<b>1</b>	8	7	20	33	19	0	1	<b>15</b>	<b>1</b>
3	BTX2332-1R	25	23	15	105	40	0	1	<b>35</b>	<b>5</b>	5	4	4	19	7	0	0	<b>7</b>	<b>6</b>
4	C099076-6R	22	5	8	105	103	1	6	<b>42</b>	<b>3</b>	5	1	2	19	22	0	2	<b>9</b>	<b>2</b>
5	C099256-2R	14	0	1	89	31	0	2	<b>23</b>	<b>7</b>	3	0	0	14	6	0	1	<b>4</b>	<b>7</b>
6	C0TX94216-1R	33	6	14	100	62	5	12	<b>38</b>	<b>4</b>	7	1	6	16	15	3	4	<b>8</b>	<b>4</b>
7	C0TX94218-1R	22	23	3	94	54	0	2	<b>33</b>	<b>6</b>	5	5	1	22	11	0	1	<b>7</b>	<b>5</b>
<b>Red-Purple/Yellow Flesh</b>																			
8	A99326-1PY	36	4	15	91	38	5	0	<b>31</b>	<b>3</b>	7	1	5	20	8	3	0	<b>7</b>	<b>2</b>
9	A99331-2RY	11	---	3	126	23	5	1	<b>33</b>	<b>2</b>	3	---	1	17	5	6	0	<b>5</b>	<b>3</b>
10	POR03PG80-2	14	13	45	170	49	11	7	<b>50</b>	<b>1</b>	3	2	14	32	9	5	2	<b>10</b>	<b>1</b>
<b>Red/Red Flesh</b>																			
<b>Purple/Purple Flesh</b>																			
11	Purple Majesty	26	4	19	90	44	61	1	<b>31</b>	<b>1</b>	5	1	4	15	9	23	1	<b>6</b>	<b>1</b>
<b>Yellow Flesh</b>																			
12	Yukon Gold	20	9	18	125	44	10	4	<b>37</b>	<b>5</b>	5	2	6	30	9	5	2	<b>9</b>	<b>2</b>
13	A00286-3Y	38	9	5	137	41	0	0	<b>38</b>	<b>3</b>	7	1	2	22	7	0	0	<b>7</b>	<b>5</b>
14	A99433-5Y	13	---	3	147	18	2	2	<b>37</b>	<b>4</b>	2	---	1	26	4	2	1	<b>7</b>	<b>4</b>
15	ATC00293 -1W/Y	44	12	10	159	64	1	10	<b>50</b>	<b>1</b>	9	2	3	37	13	1	2	<b>11</b>	<b>1</b>
16	C000412-5W/Y	10	11	13	134	73	2	10	<b>42</b>	<b>2</b>	2	2	4	24	14	3	3	<b>8</b>	<b>3</b>
<b>Mean</b>		<b>25</b>	<b>12</b>	<b>17</b>	<b>123</b>	<b>53</b>	<b>7</b>	<b>4</b>	<b>40</b>		<b>5</b>	<b>2</b>	<b>5</b>	<b>23</b>	<b>10</b>	<b>3</b>	<b>1</b>	<b>8</b>	

<sup>1</sup>/Yield data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 12. Specific Gravity**

Entry	Clone/Variety	Specific Gravity						Mean	Rank	
		CA	CO	ID	OR		TX			WA
		TUL	SLV	AB	COR	KLM	SPL <sup>1</sup>			MV
<b>Red/White Flesh</b>										
1	Dk Red Norland	1.071	1.067	1.066	1.085	1.066	1.034	1.075	<b>1.072</b>	<b>6</b>
2	Red LaSoda	1.079	1.081	1.067	1.082	1.069	1.036	1.071	<b>1.075</b>	<b>4</b>
3	BTX2332-1R	1.071	1.069	1.065	1.083	1.064	1.049	1.071	<b>1.071</b>	<b>7</b>
4	CO99076-6R	1.082	1.085	1.079	1.072	1.073	1.044	1.084	<b>1.079</b>	<b>1</b>
5	CO99256-2R	1.081	1.087	1.069	1.077	1.071	1.032	1.079	<b>1.077</b>	<b>2</b>
6	COTX94216-1R	1.084	1.077	1.069	1.072	1.068	1.034	1.073	<b>1.074</b>	<b>5</b>
7	COTX94218-1R	1.079	1.085	1.061	1.084	1.070	1.024	1.078	<b>1.076</b>	<b>3</b>
<b>Red-Purple/Yellow Flesh</b>										
8	A99326-1PY	1.081	1.086	1.070	1.085	1.068	1.086	1.078	<b>1.078</b>	<b>1</b>
9	A99331-2RY	1.084	---	1.070	1.079	1.075	1.077	1.075	<b>1.077</b>	<b>2</b>
10	POR03PG80-2	1.076	1.084	1.064	1.084	1.068	1.080	1.074	<b>1.075</b>	<b>3</b>
<b>Red/Red Flesh</b>										
<b>Purple/Purple Flesh</b>										
11	Purple Majesty	1.08	1.092	1.076	1.083	1.078	1.041	1.090	<b>1.083</b>	<b>1</b>
<b>Yellow Flesh</b>										
12	Yukon Gold	1.097	1.088	1.085	1.079	1.082	1.055	1.089	<b>1.087</b>	<b>1</b>
13	A00286-3Y	1.081	1.089	1.066	1.081	1.072	1.053	1.087	<b>1.079</b>	<b>4</b>
14	A99433-5Y	1.103	---	1.072	1.080	1.082	1.054	1.073	<b>1.082</b>	<b>3</b>
15	ATC00293 -1W/Y	1.075	1.081	1.068	1.085	1.071	1.047	1.076	<b>1.076</b>	<b>5</b>
16	CO00412-5W/Y	1.094	1.091	1.079	1.084	1.084	1.063	1.086	<b>1.086</b>	<b>2</b>
<b>Mean</b>		<b>1.082</b>	<b>1.083</b>	<b>1.070</b>	<b>1.081</b>	<b>1.073</b>	<b>1.051</b>	<b>1.079</b>	<b>1.078</b>	

<sup>1/</sup>Specific gravity data not included in entry means. See comment Page 1 for Springlake, TX.

**Table 13. Average Tuber Size and Tubers Per Plant**

Entry Clone/Variety	Average Tuber Size (oz)							Tubers/plant						
	CA	ID	OR		TX	WA	Mean	CA	ID	OR		TX	WA	Mean
	TUL	AB	COR	KLM	SPL <sup>1</sup>	MV		TUL	AB	COR	KLM	SPL <sup>1</sup>	MV	
<b>Red/White Flesh</b>														
1 Dk Red Norland	6.7	7.4	9.2	5.0	3.3	6.3	<b>6.9</b>	8.0	5.3	4.2	10.1	9.7	6.2	<b>6.8</b>
2 Red LaSoda	7.9	8.1	8.0	7.1	2.7	7.2	<b>7.7</b>	6.0	5.1	3.3	7.2	9.6	5.4	<b>5.4</b>
3 BTX2332-1R	7.1	6.2	7.1	5.3	1.9	4.9	<b>6.1</b>	7.0	5.6	4.7	9.2	7.9	6.3	<b>6.5</b>
4 CO99076-6R	6.1	4.7	8.1	4.7	1.6	4.7	<b>5.7</b>	7.0	6.8	5.8	9.4	11.7	5.0	<b>6.8</b>
5 CO99256-2R	4.5	3.3	8.4	3.8	0.6	3.7	<b>4.7</b>	10.0	9.3	8.4	12.2	7.4	7.9	<b>9.6</b>
6 COTX94216-1R	4.3	3.0	9.5	3.4	1.7	3.5	<b>4.7</b>	9.0	7.6	6.8	10.4	8.2	7.5	<b>8.3</b>
7 COTX94218-1R	5.2	3.8	8.9	3.5	0.8	3.7	<b>5.0</b>	8.0	6.0	4.9	12.4	8.1	6.8	<b>7.6</b>
<b>Red-Purple/Yellow Flesh</b>														
8 A99326-1PY	6.3	6.0	9.0	5.2	3.0	6.3	<b>6.6</b>	7.0	5.2	4.9	8.6	4.4	6.3	<b>6.4</b>
9 A99331-2RY	3.4	2.5	9.0	2.4	0.6	3.4	<b>4.1</b>	9.0	11.1	10.0	18.1	10.1	6.9	<b>11.0</b>
10 POR03PG80-2	7.1	5.7	7.6	7.1	3.8	5.9	<b>6.7</b>	6.0	6.0	3.9	6.5	5.2	4.9	<b>5.5</b>
<b>Red/Red Flesh</b>														
<b>Purple/Purple Flesh</b>														
11 Purple Majesty	3.8	4.2	8.5	3.1	1.8	2.9	<b>4.5</b>	11.0	10.9	7.1	15.6	10.5	7.8	<b>10.5</b>
<b>Yellow Flesh</b>														
12 Yukon Gold	6.7	6.4	7.3	6.9	3.3	6.8	<b>6.8</b>	6.0	5.7	3.5	6.3	6.3	3.5	<b>5.0</b>
13 A00286-3Y	5.0	3.2	7.6	4.3	0.9	5.4	<b>5.1</b>	9.0	8.4	5.8	11.5	11.4	5.7	<b>8.1</b>
14 A99433-5Y	5.8	3.7	8.3	4.2	1.1	4.5	<b>5.3</b>	8.0	8.4	5.2	10.8	7.4	5.8	<b>7.6</b>
15 ATC00293 -1W/Y	5.8	4.8	7.2	4.0	1.9	6.0	<b>5.6</b>	7.0	7.4	4.1	10.7	7.9	6.5	<b>7.1</b>
16 CO00412-5W/Y	4.4	3.6	7.5	3.6	0.8	4.0	<b>4.6</b>	8.0	9.1	6.7	12.9	8.4	7.2	<b>8.8</b>
<b>Mean</b>	<b>5.6</b>	<b>4.8</b>	<b>8.2</b>	<b>4.6</b>	<b>1.9</b>	<b>4.9</b>	<b>5.6</b>	<b>7.9</b>	<b>7.4</b>	<b>5.6</b>	<b>10.7</b>	<b>8.4</b>	<b>6.2</b>	<b>7.6</b>

<sup>1/</sup> Tuber data not included in entry means. See comment Page 1 for Springlake, TX.

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

Entry	Clone/Variety	Tuber Uniformity (1-5 excellent)				Mean	Fresh Merit Score (1-5 best)				Mean	Rank	Process Merit score (1-5 best) CO/ SLV	Process CO/SLV	
		CA	OR		WA		CO	ID	OR	TX				CO/ SLV	fry color (4=darkest) Harvest
		TUL	COR	KLM	MV		SLV	AB	COR	SPL					
<b>Red/White Flesh</b>															
1	Dk Red Norland	3.2	2.5	3.5	2.0	<b>2.8</b>	3.0	2.5	5.0	2.9	<b>3.4</b>	<i>1</i>	4.0	1	2
2	Red LaSoda	3.6	2.0	3.4	2.3	<b>2.8</b>	1.0	1.0	4.0	3.4	<b>2.4</b>	<i>7</i>	1.0	3	4
3	BTX2332-1R	4.3	4.0	3.8	3.3	<b>3.9</b>	2.0	1.8	3.0	3.9	<b>2.7</b>	<i>6</i>	1.0	2	3
4	CO99076-6R	4.3	4.0	3.8	4.0	<b>4.0</b>	2.0	2.8	3.0	3.6	<b>2.9</b>	<i>4</i>	3.0	2	2
5	CO99256-2R	4.0	3.0	4.1	4.0	<b>3.8</b>	5.0	2.0	3.0	3.0	<b>3.3</b>	<i>2</i>	5.0	1	1
6	COTX94216-1R	3.2	3.0	3.4	3.0	<b>3.1</b>	2.0	3.0	4.0	3.3	<b>3.1</b>	<i>3</i>	1.0	3	3
7	COTX94218-1R	4.2	3.0	4.3	4.0	<b>3.9</b>	3.0	1.8	3.0	3.2	<b>2.8</b>	<i>5</i>	4.0	0	2
<b>Red-Purple/Yellow Flesh</b>															
8	A99326-1PY	3.6	4.0	4.0	3.0	<b>3.7</b>	2.0	2.5	4.0	3.5	<b>3.0</b>	<i>3</i>	3.0	1	1
9	A99331-2RY	4.3	3.0	4.1	3.0	<b>3.6</b>	---	3.5	4.0	2.3	<b>3.3</b>	<i>2</i>	---	---	---
10	POR03PG80-2	3.7	3.0	4.0	2.7	<b>3.3</b>	3.0	2.3	5.0	3.4	<b>3.4</b>	<i>1</i>	1.0	2	3
<b>Red/Red Flesh</b>															
<b>Purple/Purple Flesh</b>															
11	Purple Majesty	3.7	2.5	3.1	4.0	<b>3.3</b>	5.0	1.3	3.0	2.9	<b>3.1</b>	<i>1</i>	---	---	---
<b>Yellow Flesh</b>															
12	Yukon Gold	2.5	3.0	4.3	3.0	<b>3.2</b>	1.0	2.8	5.0	3.9	<b>3.2</b>	<i>4</i>	2.0	2	2
13	A00286-3Y	3.5	3.5	4.0	3.3	<b>3.6</b>	5.0	3.0	4.0	2.5	<b>3.6</b>	<i>2</i>	5.0	2	1
14	A99433-5Y	4.5	3.5	4.3	3.7	<b>4.0</b>	---	3.3	4.0	3.2	<b>3.5</b>	<i>3</i>	---	---	---
15	ATC00293 -1W/Y	2.6	3.0	3.9	3.0	<b>3.1</b>	5.0	2.8	5.0	2.9	<b>3.9</b>	<i>1</i>	5.0	2	2
16	CO00412-5W/Y	3.2	3.0	3.4	3.0	<b>3.1</b>	3.0	1.8	5.0	2.9	<b>3.2</b>	<i>4</i>	4.0	2	2
<b>Mean</b>		<b>3.7</b>	<b>3.1</b>	<b>3.8</b>	<b>3.2</b>	<b>3.5</b>	<b>3.0</b>	<b>2.4</b>	<b>4.0</b>	<b>3.2</b>	<b>3.2</b>		<b>3.0</b>	<b>1.8</b>	<b>2.2</b>

**Table 15. Tuber Shape and Length Width Ratio**

Entry Clone/Variety	Tuber Shape (1 - 5 long)							L/W				
	CA	CO	ID	OR		TX	WA	Mean	ID	OR	WA	Mean
	TUL	SLV	AB	COR	KLM	SPL	MV		AB	COR	MV	
<b>Red/White Flesh</b>												
1 Dk Red Norland	2.3	2.0	2.8	2.0	1.9	3.5	2.0	<b>2.4</b>	1.11	1.20	1.20	<b>1.17</b>
2 Red LaSoda	1.9	2.0	2.5	2.0	2.1	3.0	2.0	<b>2.2</b>	1.17	1.20	1.03	<b>1.14</b>
3 BTX2332-1R	2.3	1.0	1.0	2.0	1.4	1.5	2.0	<b>1.6</b>	1.16	1.10	1.25	<b>1.17</b>
4 CO99076-6R	1.8	1.0	1.0	1.5	1.0	1.5	1.0	<b>1.3</b>	1.16	1.20	1.21	<b>1.19</b>
5 CO99256-2R	1.8	2.0	1.0	2.0	1.4	1.8	1.0	<b>1.6</b>	1.17	1.40	1.36	<b>1.31</b>
6 COTX94216-1R	2.1	1.0	1.0	2.0	1.4	2.0	2.0	<b>1.6</b>	1.12	1.20	1.07	<b>1.13</b>
7 COTX94218-1R	2.0	1.0	1.0	1.5	1.0	1.5	1.0	<b>1.3</b>	1.25	1.20	1.01	<b>1.15</b>
<b>Red-Purple/Yellow Flesh</b>												
8 A99326-1PY	2.2	2.0	2.3	1.0	1.3	3.1	1.3	<b>1.9</b>	1.31	1.20	1.05	<b>1.19</b>
9 A99331-2RY	2.0	---	1.0	2.0	1.1	1.5	2.0	<b>1.6</b>	1.34	1.20	1.07	<b>1.21</b>
10 POR03PG80-2	3.8	3.0	4.0	2.0	3.4	3.6	3.0	<b>3.3</b>	1.39	1.60	1.42	<b>1.47</b>
<b>Red/Red Flesh</b>												
<b>Purple/Purple Flesh</b>												
11 Purple Majesty	4.4	2.0	4.0	2.0	2.8	3.5	2.0	<b>3.0</b>	1.24	1.40	1.35	<b>1.33</b>
<b>Yellow Flesh</b>												
12 Yukon Gold	2.4	2.0	2.0	2.0	1.6	3.0	2.0	<b>2.1</b>	1.19	1.10	1.26	<b>1.18</b>
13 A00286-3Y	2.9	2.0	1.8	1.0	2.9	1.5	2.7	<b>2.1</b>	1.17	1.30	1.39	<b>1.29</b>
14 A99433-5Y	1.6	---	1.0	2.0	1.4	2.3	2.0	<b>1.7</b>	1.17	1.10	1.24	<b>1.17</b>
15 ATC00293 -1W/Y	2.4	4.0	2.3	2.0	2.0	3.5	3.0	<b>2.7</b>	1.16	1.40	1.32	<b>1.29</b>
16 CO00412-5W/Y	2.7	4.0	2.3	3.0	1.8	2.8	2.0	<b>2.7</b>	1.14	1.20	1.28	<b>1.21</b>
<b>Mean</b>	<b>2.4</b>	<b>2.1</b>	<b>1.9</b>	<b>1.9</b>	<b>1.8</b>	<b>2.5</b>	<b>1.9</b>	<b>2.1</b>	<b>1.20</b>	<b>1.25</b>	<b>1.22</b>	<b>1.22</b>



**Table 16. Skin and Flesh Color**

Entry Clone/Variety	Skin Color (1 - 5 dark)								Tuber Skin (1-5 heavy)				Flesh Color (1 - 5 dark)							
	CA	CO	ID	OR		TX	WA	Mean	OR	WA	TX	Mean	CA	CO	ID	OR		TX	Mean	
	TUL	SLV <sup>1</sup>	AB	COR	KLM	SPL	MV		KLM	MV	SPL		TUL	SLV <sup>1</sup>	AB	COR	KLM	SPL		
<b>Red/White Flesh</b>																				
1	Dk Red Norland	1.6	2.0	2.8	2.3	1.4	2.5	3.0	<b>2.2</b>	2.4	4.0	1.0	<b>2.5</b>	1.0	1.0	1.0	1.0	1.5	1.0	<b>1.1</b>
2	Red LaSoda	1.9	1.0	2.0	3.0	2.1	3.0	3.0	<b>2.3</b>	1.5	2.3	1.0	<b>1.6</b>	1.0	1.0	1.0	1.0	1.5	1.0	<b>1.1</b>
3	BTX2332-1R	3.1	3.0	3.5	2.8	3.5	4.5	3.3	<b>3.4</b>	1.9	3.0	1.0	<b>2.0</b>	2.0	1.0	1.0	1.0	1.5	1.0	<b>1.3</b>
4	CO99076-6R	3.7	3.0	4.0	3.5	4.0	3.9	5.0	<b>3.9</b>	1.5	3.0	1.0	<b>1.8</b>	1.0	1.0	1.0	1.0	1.5	1.0	<b>1.1</b>
5	CO99256-2R	3.0	4.0	4.5	2.3	4.1	4.0	5.0	<b>3.8</b>	1.3	2.3	1.0	<b>1.5</b>	1.0	1.0	1.0	2.0	1.5	1.0	<b>1.3</b>
6	COTX94216-1R	3.8	3.0	5.0	2.3	4.0	4.0	4.0	<b>3.7</b>	2.4	3.0	1.0	<b>2.1</b>	1.0	1.0	1.0	1.0	1.5	1.0	<b>1.1</b>
7	COTX94218-1R	3.4	2.0	3.8	2.0	3.5	3.7	4.0	<b>3.2</b>	1.0	3.0	1.0	<b>1.7</b>	1.0	1.0	1.0	1.0	1.5	1.0	<b>1.1</b>
<b>Red-Purple/Yellow Flesh</b>																				
8	A99326-1PY	3.7	3.0	4.8	3.5	3.5	5.0	4.0	<b>3.9</b>	1.3	3.0	1.0	<b>1.8</b>	2.6	4.0	3.0	3.3	2.5	2.8	<b>3.0</b>
9	A99331-2RY	1.9	---	2.3	3.3	2.3	3.0	4.0	<b>2.8</b>	1.4	4.3	1.0	<b>2.2</b>	3.6	---	3.0	3.8	2.6	3.0	<b>3.2</b>
10	POR03PG80-2	3.0	2.0	4.0	2.3	3.0	5.0	3.7	<b>3.3</b>	1.3	2.7	1.0	<b>1.6</b>	2.6	2.0	3.0	4.0	2.5	1.9	<b>2.7</b>
<b>Red/Red Flesh</b>																				
<b>Purple/Purple Flesh</b>																				
11	Purple Majesty	5.0	5.0	5.0	4.5	5.0	5.0	5.0	<b>4.9</b>	2.8	4.3	1.0	<b>2.7</b>	5.0	4.0	5.0	4.0	5.0	3.5	<b>4.4</b>
<b>Yellow Flesh</b>																				
12	Yukon Gold	1.1	1.0	1.5	1.3	1.0	1.0	2.0	<b>1.3</b>	1.0	4.3	1.0	<b>2.1</b>	2.1	2.0	2.5	2.8	2.4	2.6	<b>2.4</b>
13	A00286-3Y	1.4	1.0	1.5	1.0	1.0	1.0	2.0	<b>1.3</b>	1.0	4.3	1.0	<b>2.1</b>	2.6	4.0	2.8	4.8	2.5	2.5	<b>3.2</b>
14	A99433-5Y	1.5	---	1.8	1.3	1.0	1.0	2.0	<b>1.4</b>	1.3	4.0	1.0	<b>2.1</b>	1.6	---	2.0	2.5	2.4	2.9	<b>2.3</b>
15	ATC00293 -1W/Y	1.5	1.0	1.8	1.3	1.8	1.0	2.0	<b>1.5</b>	1.5	2.3	1.5	<b>1.8</b>	3.6	4.0	3.5	3.8	2.5	3.3	<b>3.5</b>
16	CO00412-5W/Y	1.8	1.0	3.0	3.3	3.0	2.0	3.0	<b>2.4</b>	3.6	4.0	2.5	<b>3.4</b>	3.6	4.0	4.0	4.8	2.6	3.0	<b>3.7</b>
<b>Mean</b>		<b>2.6</b>	<b>2.3</b>	<b>3.2</b>	<b>2.5</b>	<b>2.8</b>	<b>3.1</b>	<b>3.4</b>	<b>2.8</b>	<b>1.7</b>	<b>3.4</b>	<b>1.1</b>	<b>2.1</b>	<b>2.2</b>	<b>2.2</b>	<b>2.2</b>	<b>2.6</b>	<b>2.2</b>	<b>2.0</b>	<b>2.3</b>

<sup>1/</sup>Dual color evaluated in San Luis Valley, CO, where secondary skin or flesh color rating was 1 (scale 1-5 dark). For purpose of this report, only primary color listed.

**Table 17. Eye Depth and External Defects**

Entry Clone/Variety	Eye Depth <sup>1</sup>	External Defects <sup>2</sup>					Powdery Scab KLM <sup>3</sup>
		Greening	Growth Cracks	Knobs	Shatter Bruise	Scab	
<b>Red/White Flesh</b>							
1 Dk Red Norland	2.8	4.8	4.5	4.5	4.8	4.6	3.4
2 Red LaSoda	1.5	4.2	4.0	COR 3.0	4.7	4.3	2.1
3 BTX2332-1R	4.0	4.6	4.3		4.2	4.8	3.0
4 CO99076-6R	3.7	4.7	4.1	KLM 2.4	4.8	4.5	4.6
5 CO99256-2R	4.2	4.9	4.8		4.7	4.8	3.9
6 COTX94216-1R	3.6	4.9	4.7		4.3	5.0	1.9
7 COTX94218-1R	3.9	4.9	3.9	COR 3.0	4.0	5.0	3.4
<b>Red-Purple/Yellow Flesh</b>							
8 A99326-1PY	3.6	4.7	4.9		4.8	5.0	2.3
9 A99331-2RY	3.6	4.5	5.0		4.8	4.9	3.0
10 POR03PG80-2	3.4	4.7	5.0	4.1	COR 1.0	5.0	4.9
<b>Red/Red Flesh</b>							
<b>Purple/Purple Flesh</b>							
11 Purple Majesty	4.0	4.7	4.9	4.5	4.8	4.5	3.6
<b>Yellow Flesh</b>							
12 Yukon Gold	4.0	4.2	4.8	4.9	4.8	4.3	3.8
13 A00286-3Y	3.9	4.2	4.8	4.7	4.8	4.8	3.1
14 A99433-5Y	3.9	4.3	4.7	4.8	4.8	4.9	1.5
15 ATC00293 -1W/Y	3.7	4.2	4.3	COR 3.0	4.4	COR 2.0	4.6
16 CO00412-5W/Y	4.2	4.3	4.8	4.5	4.8	4.5	4.4
<b>Mean</b>	<b>3.6</b>	<b>4.5</b>	<b>4.6</b>	<b>4.6</b>	<b>4.6</b>	<b>4.7</b>	<b>3.1</b>

<sup>1/</sup> Average of 6 sites (1-5 shallow).

<sup>2/</sup> Average of up to 6 sites (1 severe-5 none).

<sup>3/</sup> 1 severe-5 none.

**Table 18. Internal Defects**

Entry	Clone/Variety	Percent Incidence (%) <sup>1</sup>						Blackspot Bruise			Zebra Chip <sup>2</sup>	
		HH	BC	IBS	VD	TX	CO	WA	% Zebra chip			
<b>Red/White Flesh</b>												
1	Dk Red Norland	0.0	0.0	0.0	4.8	5.0	4.9	5.0	3			
2	Red LaSoda	4.0	SLV 17	4.2	MV 17	0.0	10.8	SPL 23	5.0	4.7	5.0	0
3	BTX2332-1R	0.1	0.0	1.3	7.5	TUL 25	5.0	4.7	5.0	0		
4	CO99076-6R	0.2	0.0	0.0	3.5	5.0	4.9	5.0	0			
5	CO99256-2R	3.9	AB 25	0.0	2.7	5.0	4.9	5.0	25			
6	COTX94216-1R	0.2	0.0	0.0	2.8	5.0	4.9	5.0	0			
7	COTX94218-1R	0.0	0.0	0.0	2.7	5.0	4.4	5.0	1			
<b>Red-Purple/Yellow Flesh</b>												
8	A99326-1PY	0.6	0.0	0.0	2.7	5.0	5.0	5.0	8			
9	A99331-2RY	0.8	0.0	0.0	3.3	5.0	---	5.0	7			
10	POR03PG80-2	0.5	0.0	0.0	15.3	SPL 25	5.0	5.0	5.0	0		
<b>Red/Red Flesh</b>												
<b>Purple/Purple Flesh</b>												
11	Purple Majesty	8.6	AB 50	0.0	0.0	4.0	5.0	5.0	0			
<b>Yellow Flesh</b>												
12	Yukon Gold	2.5	COR 13	0.0	0.0	11.8	TUL 45	5.0	5.0	5.0	2	
13	A00286-3Y	0.7	0.0	0.8	6.9	TUL 15	5.0	4.8	5.0	0		
14	A99433-5Y	0.7	0.0	0.0	2.7	5.0	---	5.0	2			
15	ATC00293 -1W/Y	5.0	AB 12	0.0	0.0	3.3	5.0	4.4	5.0	9		
16	CO00412-5W/Y	1.5	0.0	1.9	KLM 8	4.8	TUL 15	5.0	4.6	5.0	8	
<b>Mean</b>		<b>1.8</b>	<b>0.3</b>	<b>0.2</b>	<b>5.6</b>	<b>5.0</b>	<b>4.8</b>	<b>5.0</b>	<b>4.1</b>			

<sup>1/</sup> Percent based on 10 cut tubers averaged from 6 sites. CO HH data included brown center

<sup>2/</sup> Zebra chip data collected Spring Lake, TX.

**Table 19. Disease Evaluation**

Entry Clone/Variety	Corvallis, Oregon			Hermiston, Oregon	Aberdeen, Idaho		
	L. Blight			Early Die <sup>4</sup>	Vert. <sup>5</sup>	Early blight <sup>5</sup>	
	Foliar <sup>1</sup>	Tuber <sup>2</sup>	AUDPC <sup>3</sup>				
<b>Red/White Flesh</b>							
1	Dk Red Norland	9.0	13.0	1356	9.0	2.8	3.3
2	Red LaSoda	9.0	65.0	1292	8.5	2.8	3.0
3	BTX2332-1R	9.0	13.0	1342	9.0	2.8	3.3
4	CO99076-6R	9.0	0.0	1325	9.0	2.5	3.0
5	CO99256-2R	9.0	8.0	1290	8.5	2.5	3.8
6	COTX94216-1R	9.0	5.0	1351	9.0	2.3	3.0
7	COTX94218-1R	9.0	8.0	1267	7.7	3.0	3.8
<b>Red-Purple/Yellow Flesh</b>							
8	A99326-1PY	9.0	13.0	1348	8.8	3.5	3.5
9	A99331-2RY	9.0	15.0	1319	7.7	3.0	3.8
10	POR03PG80-2	9.0	10.0	1329	9.0	2.8	3.3
<b>Red/Red Flesh</b>							
<b>Purple/Purple Flesh</b>							
11	Purple Majesty	9.0	3.0	1374	9.0	3.0	3.0
<b>Yellow Flesh</b>							
12	Yukon Gold	9.0	8.0	1338	9.0	2.8	3.0
13	A00286-3Y	7.0	0.0	603	6.7	3.8	4.0
14	A99433-5Y	8.0	3.0	1088	6.3	3.8	3.8
15	ATC00293 -1W/Y	9.0	25.0	1255	7.5	3.3	4.0
16	CO00412-5W/Y	9.0	3.0	1281	8.2	2.8	3.0
<b>Mean</b>		<b>8.8</b>	<b>12.0</b>	<b>1260</b>	<b>8.3</b>	<b>3.0</b>	<b>3.4</b>

<sup>1/</sup>Ratings are averages for 4 reps: 1=no foliar injury; 2=1-5%; 3=5-10%; 4=10-20%; 5=20-40%; 6=40-60%; 7=60-75%; 8=75-90%; 9=≥90-100% injury. Taken 10/13/09

<sup>2/</sup> % of late blight infected tubers at harvest (10 randomly selected tubers).

<sup>3/</sup> AUDPC = Area Under the Disease Progress Curve. Injury ratings: 1=0%; 2=1-5%; 3=5-10%; 4=10-20%; 5=20-40%; 6=40-60%; 7=60-75%; 8=75-90%; 9=≥90%

<sup>4/</sup>Early die rating (0-9 dead for all trials).

<sup>5/</sup> Disease rating (1-5 best).

**Table 20. Culinary Tuber Quality**

Entry Clone/Variety	Washington Culinary Quality <sup>1</sup>				Rank	Overall Rank
	Boiling	Baking	Micro	Total		
<b>Red/White Flesh</b>						
1 Dk Red Norland	20.0	18.9	21.3	60.2	<i>1</i>	<i>1</i>
2 Red LaSoda	18.5	19.7	20.0	58.2	<i>2</i>	<i>4</i>
3 BTX2332-1R	16.8	18.6	17.2	52.5	<i>5</i>	<i>14</i>
4 CO99076-6R	17.3	17.0	17.3	51.6	<i>6</i>	<i>15</i>
5 CO99256-2R	17.0	17.0	19.0	53.0	<i>4</i>	<i>12</i>
6 COTX94216-1R	17.3	18.0	16.2	51.4	<i>7</i>	<i>16</i>
7 COTX94218-1R	15.8	19.6	18.2	53.5	<i>3</i>	<i>11</i>
<b>Red-Purple/Yellow Flesh</b>						
8 A99326-1PY	17.3	17.8	18.0	53.0	<i>3</i>	<i>12</i>
9 A99331-2RY	17.5	16.8	19.3	53.6	<i>2</i>	<i>8</i>
10 POR03PG80-2	19.3	19.0	18.2	56.4	<i>1</i>	<i>5</i>
<b>Red/Red Flesh</b>						
<b>Purple/Purple Flesh</b>						
11 Purple Majesty	15.8	18.3	19.5	53.5	<i>1</i>	<i>10</i>
<b>Yellow Flesh</b>						
12 Yukon Gold	17.5	20.5	21.0	59.0	<i>2</i>	<i>3</i>
13 A00286-3Y	17.1	20.5	18.2	55.8	<i>4</i>	<i>7</i>
14 A99433-5Y	17.8	20.5	17.8	56.1	<i>3</i>	<i>6</i>
15 ATC00293 -1W/Y	18.5	20.3	21.2	59.9	<i>1</i>	<i>2</i>
16 CO00412-5W/Y	15.3	19.0	19.3	53.6	<i>5</i>	<i>8</i>
<b>Mean</b>	<b>17.4</b>	<b>18.8</b>	<b>18.9</b>	<b>55.1</b>		

<sup>1/</sup> Higher score = better quality, maximum = 25 per test. Knowles & Fuller, Pullman, WA.

**Table 21. Tuber Composition**

Entry	Clone/Variety	Aberdeen, Idaho					
		Solids	Protein <sup>1</sup>	Dextrose <sup>2</sup>	Sucrose <sup>2</sup>	Vitamin C <sup>3</sup>	TGA <sup>4</sup>
<b>Red/White Flesh</b>							
1	Dk Red Norland	17.5	5.6	0.043	0.158	26.7	3.2
2	Red LaSoda	17.7	5.6	0.080	0.162	27.3	2.2
3	BTX2332-1R	16.6	5.5	0.031	0.151	26.0	2.1
4	CO99076-6R	18.5	6.0	0.007	0.228	25.6	2.7
5	CO99256-2R	17.0	6.2	0.004	0.110	25.9	9.2
6	COTX94216-1R	18.1	6.0	0.064	0.235	25.8	1.4
7	COTX94218-1R	16.8	5.8	0.024	0.170	22.5	1.4
<b>Red-Purple/Yellow Flesh</b>							
8	A99326-1PY	17.2	6.1	0.061	0.196	21.4	2.1
9	A99331-2RY	17.5	5.5	0.033	0.913	25.3	2.2
10	POR03PG80-2	17.1	5.4	0.073	0.219	22.6	1.9
<b>Red/Red Flesh</b>							
<b>Purple/Purple Flesh</b>							
11	Purple Majesty	19.7	4.1	0.009	0.143	23.3	4.9
<b>Yellow Flesh</b>							
12	Yukon Gold	20.8	5.5	0.035	0.188	31.3	3.0
13	A00286-3Y	17.1	5.5	0.048	0.108	23.5	4.5
14	A99433-5Y	18.5	6.3	0.037	0.188	20.1	1.7
15	ATC00293 -1W/Y	17.6	5.2	0.038	0.093	22.6	2.8
16	CO00412-5W/Y	20.1	5.2	0.029	0.174	18.3	4.0
<b>Mean</b>		<b>18.0</b>	<b>5.6</b>	<b>0.039</b>	<b>0.215</b>	<b>24.3</b>	<b>3.1</b>

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

**Table 22. Entry Location Comments**

Entry	Clone/Variety	Aberdeen, ID	Klamath Falls, OR
<b>Red/White Flesh</b>			
1	Dk Red Norland	Big, oval, deep eyes	Pale, rough, ugly, black dot
2	Red LaSoda	green, ugly, shattered	Big, lumpy, junk
3	BTX2332-1R	big, red, shattered, dirty	Shatter bruise, no skin shine, IPS, drop
4	C099076-6R	adhering stolons, shattered, skinned	GC, skinning, black dot, drop
5	C099256-2R	adhering stolons, shattered	Skinning, smooth, black dot, keep
6	C0TX94216-1R	round, dark red, skinned, ad stolons	Rough skin, black dot, poor
7	C0TX94218-1R	adhering stolons, shattered	Shatter bruise, GC, drop
<b>Red-Purple/Yellow Flesh</b>			
8	A99326-1PY	misshaped	Smooth, black dot, keep
9	A99331-2RY	white/ red round, very small	Irregular color splash, smooth, ok
10	POR03PG80-2	long, purple misshaped	Smooth, low black dot, typy, keep
<b>Red/Red Flesh</b>			
<b>Purple/Purple Flesh</b>			
11	Purple Majesty	ugly	High cull, black dot, junk
<b>Yellow Flesh</b>			
12	Yukon Gold	points, scab	Nice, black dot, smooth, big, keep
13	A00286-3Y	yellow with pink eyes, ad stolons, skinned	Irregular color splash, smooth, low black dot, fair
14	A99433-5Y	deep ends, round white scaly	Smooth, low black dot, keep
15	ATC00293 -1W/Y	oval, skinned purple eyes	Smooth, black dot, nice, keep
16	C000412-5W/Y	flat, misshaped	Scaly skin, black dot, use?, process?

**Table 23. Entry Location Comments Continued**

Entry	Clone/Variety	Springlake, TX
<b>Red/White Flesh</b>		
1	Dk Red Norland	light skin, yield+, poor skin finish, escape small potato problem, deep eyes, 7.5% heat sprouts
2	Red LaSoda	light skin, yield+, large tubers, deep eyes
3	BTX2332-1R	nice shape and color BOT, silver scurf, small, nice
4	CO99076-6R	nice shape and color nice flesh, BOT+, very nice, nice skin, nice flesh, stem attachment
5	CO99256-2R	yield-, small++
6	COTX94216-1R	heavy set, drop, stem attachment, poor shape, silver scurf, poor skin finish+++ , nice white flesh
7	COTX94218-1R	yield-, very white flesh, small
<b>Red-Purple/Yellow Flesh</b>		
8	A99326-1PY	lenticels, poor skin finish, nice flesh, BOT of Purple skin, sticky stem
9	A99331-2RY	very small, heat sprouts, red splash, drop
10	POR03PG80-2	alligator skin, poor skin finish, some rough
<b>Red/Red Flesh</b>		
<b>Purple/Purple Flesh</b>		
11	Purple Majesty	nice, BOT, rough+, white in flesh, rough, silver scurf
<b>Yellow Flesh</b>		
12	Yukon Gold	very nice, BOT, nice
13	A00286-3Y	red eyes, small, late, 60% heat sprouts, red eyes, chain tubers
14	A99433-5Y	late, small+, yield-, stolon attachment
15	ATC00293 -1W/Y	nice shape and skin, 10% tuber moth, 17% heat sprouts, chain tubers++, drop, purple eyes, shape problems, lenticels, small, nice flesh
16	CO00412-5W/Y	



**Table 24. Entry Location Comments Continued**

Entry	Clone/Variety	Mt. Vernon, WA	Tulelake, CA
<b>Red/White Flesh</b>			
1	Dk Red Norland	Large, pink, irregular shape.	
2	Red LaSoda	Very deep eyes with marginal skin set.	Problem with scab
3	BTX2332-1R	Bronzing, inconsistent color, some rhizoc.	Problem with skinning easily
4	C099076-6R	Nice shape, bright red.	Problem with scab, and all plots had a poor stand
5	C099256-2R	Poor skin set, nice otherwise.	Problem with skinning easily, scab, and shatter bruise
6	C0TX94216-1R	Irregular shape, poor skin set.	
7	C0TX94218-1R	Nice color and shape, some with late season cracks.	Problem with skinning easily and scab
<b>Red-Purple/Yellow Flesh</b>			
8	A99326-1PY	Nice purple, a bit of bronzing.	Problem with scab
9	A99331-2RY	Sticky stolons and small.	
10	POR03PG80-2	Large, looks like a purple baker.	
<b>Red/Red Flesh</b>			
<b>Purple/Purple Flesh</b>			
11	Purple Majesty	Very small, lots of bronzing.	Problem with scab, a lot of small tubers
<b>Yellow Flesh</b>			
12	Yukon Gold	Dirty colored skin, a bit irregular shape.	
13	A00286-3Y	Irregular shapes.	Problem with Black Scurf
14	A99433-5Y	Light russet, shape a bit irregular.	Problem with scab
15	ATC00293 -1W/Y	Attractive purple eyes, dirty colored skin, and oblong.	Tubers good looking
16	C000412-5W/Y	Oblong, light russet, shape a bit irregular	

**Table 25. Summary Means**

Entry	Clone/Variety	Year	Yield Summary <sup>1</sup>					Tuber Characteristics		Quality			
			<4 oz.	4-6 oz.	6-10 oz.	>10 oz.	Culls	Total	% 4-10 oz.	Tuber Size oz./tuber	Spec. grav.	Culinary quality <sup>2</sup>	Fresh Merit <sup>3</sup>
<b>Red/White Flesh</b>													
1	Dk Red Norland	***	68	89	177	104	44	489	56	6.9	1.066	60.2	3.4
2	Red LaSoda	***	52	65	146	158	72	506	45	7.7	1.069	58.2	2.4
3	BTX2332-1R	2	84	81	158	117	35	479	51	6.1	1.067	52.5	2.7
4	C099076-6R	1	76	82	137	62	42	404	56	5.7	1.074	51.6	2.9
5	C099256-2R	1	131	117	142	40	23	466	57	4.7	1.071	53.0	3.3
6	C0TX94216-1R	2	136	88	102	39	38	409	46	4.7	1.068	51.4	3.1
7	C0TX94218-1R	2	108	97	101	53	33	403	51	5.0	1.069	53.5	2.8
<b>Red-Purple/Yellow Flesh</b>													
8	A99326-1PY	2	67	82	147	115	31	441	52	6.6	1.079	53.0	3.0
9	A99331-2RY	1	179	111	80	18	33	419	42	4.1	1.077	53.6	3.3
10	POR03PG80-2	2	59	74	142	128	50	454	50	6.7	1.076	56.4	3.4
<b>Red/Red Flesh</b>													
<b>Purple/Purple Flesh</b>													
11	Purple Majesty	***	174	109	119	30	31	470	47	4.5	1.077	53.5	3.1
<b>Yellow Flesh</b>													
12	Yukon Gold	***	48	62	116	128	37	388	47	6.8	1.082	59.0	3.2
13	A00286-3Y	2	115	112	143	56	38	489	55	5.1	1.076	55.8	3.6
14	A99433-5Y	1	108	104	145	44	37	437	56	5.3	1.077	56.1	3.5
15	ATC00293 -1W/Y	1	75	92	147	85	50	454	54	5.6	1.072	59.9	3.9
16	C000412-5W/Y	2	119	112	113	52	42	445	52	4.6	1.083	53.6	3.2
			<b>100</b>	<b>92</b>	<b>132</b>	<b>77</b>	<b>40</b>	<b>447</b>	<b>51</b>	<b>5.6</b>	<b>1.074</b>	<b>55.1</b>	<b>3.2</b>

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

<sup>2</sup>/ Higher score = better quality, maximum = 75 total for bake, boil and microwave. Knowles & Fuller, Pullman, WA.

<sup>3</sup>/ Scale = 1-5 best

**Table 26. 2-Year Summary of Graduating Entries**

Entry	Clone/Variety	Yield Summary <sup>1</sup>					Tuber Characteristics		Quality			
		<4 oz.	4-6 oz.	6-10 oz.	>10 oz.	Culls	Total	% 4-10 oz.	Tuber Size oz./tuber	Spec. grav.	Culinary quality <sup>2</sup>	Fresh Merit <sup>3</sup>
<b>Red/White Flesh</b>												
1	Dk Red Norland	64	82	192	106	39	492	57	6.8	1.067	58.9	3.1
2	Red LaSoda	46	63	169	153	57	503	49	7.8	1.071	57.6	2.4
3	BTX2332-1R	71	84	169	114	29	473	55	6.2	1.069	53.3	3.0
6	COTX94216-1R	118	85	109	46	27	399	50	4.6	1.070	53.9	3.4
7	COTX94218-1R	106	101	123	48	26	419	55	4.8	1.073	54.7	3.0
<b>Red-Purple/Yellow Flesh</b>												
8	A99326-1PY	65	88	162	112	35	467	53	6.6	1.078	54.6	3.1
10	POR03PG80-2	47	75	159	124	44	452	54	7.0	1.073	57.7	3.4
<b>Yellow Flesh</b>												
12	Yukon Gold	45	63	130	122	34	397	50	7.0	1.083	57.6	3.3
13	A00286-3Y	121	117	162	61	32	510	56	5.0	1.078	56.2	3.5
16	C000412-5W/Y	120	119	111	41	28	436	55	4.5	1.085	56.4	3.3

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

<sup>2</sup>/ Higher score = better quality, maximum = 75 total for bake, boil and microwave. Knowles & Fuller, Pullman, WA.

<sup>3</sup>/ Scale = 1-5 best