

2005 Western Regional Red/Specialty Potato Trial

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Description of Clones - 2005 Western Regional Red/Specialty Trial

Clone/Variety	Parents		Flower Color	Vine Size	Maturity	Tuber Shape	Skin Type	Entered By	Use	Seed	Year
	Female	Male									
Red/White Flesh											
1 Dk. Red Norland	RedKote	ND626	Red-purple	Sm	Early	Oval	Dk. Red	Check	Fresh	OR	***
2 Red LaSoda	Triumph	Katahdin	Red-purple	Med	Med	Oval	Lt. Red	Check	Fresh	OR	***
3 A96741-1R	IdaRose	Mazama	Red-purple	Med/Small	Med	Round	Dk. Red	ID	Fresh	ID	2
4 A96741-2R	IdaRose	Mazama	Red-purple			Round	Red	ID	Fresh	ID	2
5 VC1075-1R	ND1196-2R	Red Ruby	Purple	Med	Early	Round	Red	CO	Fresh	CO	2
Red/Yellow Flesh											
6 VCO967-2R/Y	Agria	Redsen	Red-purple	Med	Med/Early	Oval	Red	CO	Fr./Fry	OR	3
7 VC1015-7R/Y	Agria	Chieftain	Purple	Med	Early	Oval	Red	CO	Fresh	CO	2
Red/Red Flesh											
8 CO94183-1R/R	All Red	ND2109-7	Red-purple	Med/Small	Med	Oval	Red	CO	Fr./Chip	OR	3
9 PA99P20-2	N40-1	PA96RR1-220	Red-purple	Med	Med	Oblong	Red	WA/OR	Dual	OR	1
10 POR01PG20-12	PA97B35-2	PA97B29-3	Red-purple	Med	Med	Oblong	Red	WA/OR	Dual	OR	1
Purple/Purple Flesh											
11 All Blue	???	???	Blue	Med/Lg	Med/Late	Long	Dk. Blue	Check	Fresh	OR	***
12 CO94165-3P/P	ND2008-2	All Blue	Lt. Blue	Med/Small	Early	Oblong	Purple	CO	Fr./Chip	OR	3
Yellow Flesh											
13 Yukon Gold	Norgleam	W5279-4	Pink	Med	Early	Oval	White	Check	Fresh	OR	***
14 A95074-6	Agria	Summit Russet	White	Large	Med-late	Oblong	Lt. Russet	ID	Dual	OR	2
15 BTX1544-2W/Y	BO811-13	Yukon Gold	White	Med	Med	Oval	White	TX	Fresh	OR	3
16 CO94157-2W/Y	Russet Legend	G. Butterball	White	Med	Med-early	Oval	White	CO	Dual	CO	1
17 NDA5507-3YF	Brodick	Yukon Gold	Red-purple	Med	Med/Early	Round	White	ID	Fresh	OR	3
18 NY 126	Keuka Gold	Pike	White		Med-late	Round	Scaly Buff	NY	Chip	NY	1
19 VC1002-3W/Y	Agria	Wischip	White	Large	Med	Oval	White	CO	Fr./Fry	CO	3
20 VC1009-1W/Y	Agria	MN12823	White	Large	Med	Oblong	White	CO	Fr./Fry	CO	2
21 VC1123-2W/Y	Agria	FV9307-3	White	Large	Med	Oval	White	CO	Dual	CO	1

Cultural Management

Trial Information

Trial Location	Tulelake, CA
Cooperators	Carlson, Kirby
Irrigation	Solid Set
Fertilizer	
Planting date	5/30/2005
Vine kill date	9/12/2005
Vine kill method	Reglone
Harvest date	10/10/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Matrix	Pounce	Maxim
Lexone DF		Quadris
		Curzate
		Bravo
		Dithane 45
		Echo
		Manzate

Trial Information

Trial Location	San Luis Valley, CO
Cooperators	Holm, Naranjo
Irrigation	Center Pivot
Fertilizer	120 lbs N + 60 lbs P2O5 + 40 lbs K2O + 25lbs S + 2.5 lb Zn/A
Planting date	5/13/2005
Vine kill date	9/2/2005
Vine kill method	Sulfuric Acid
Harvest date	9/22/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Dual Magnum	Leverage	Amistar

Trial Information

Trial Location	Aberdeen, Idaho
Cooperators	Stark, Bain, Chappell
Irrigation	Sprinkler
Fertilizer	210-100-100
Planting date	4/29/2005
Vine kill date	8/18/2005
Vine kill method	beat vines
Harvest date	8/22/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Sencor DF	Admire	Curzate
Matrix		Dithane
Eptam		

Cultural Management

Trial Information

Trial Location	Corvallis, OR
Cooperators	Vales, Mosley, Yilma
Irrigation	Sprinkler
Fertilizer	150-150-150-90
Planting date	5/23/2005
Vine kill date	9/10/2005
Vine kill method	Reglone
Harvest date	9/26/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides

Trial Information

Trial Location	Hermiston, OR
Cooperators	Hane, Leroux
Irrigation	Center Pivot
Fertilizer	260-80-175-40-2(B)
Planting date	3/24/2005
Vine kill date	7/12/2005
Vine kill method	Enquik
Harvest date	7/26/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Eptam, matrix,	Mocap	Vapam
Enquik	Admire	Maxim 4FS
	Asana	Ridomil Gold
	Monitor,	Quadris
		Bravo
		Dithane
		Omega

Trial Information

Trial Location	Klamath Falls, OR
Cooperators	Rykbost, Charlton
Irrigation	Sprinkler
Fertilizer	160-80-80-140
Planting date	5/26/05
Vine kill date	9/7/05
Vine kill method	Reglone
Harvest date	10/5/05

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Dual	Admire	Quadris
Prowl	Monitor	Dithane
Matrix		Bravo
		Ridomil Gold
	Fumigants	
	Telone II	

Cultural Management

Trial Information

Trial Location	Springlake, TX
Cooperators	Miller, Scheuring, Koym
Irrigation	Center Pivot
Fertilizer	130-25-25
Planting date	3/22/2005
Vine kill date	7/9/2005
Vine kill method	beat vines
Harvest date	7/11/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Roundup	Dimethoate	Tops MZ Gaucho
Dual	Baythroid	Quadris
Matrix		Bravo
Sencor		

Trial Information

Trial Location	Toppinish, WA
Cooperators	Pavek, Driscoll Knowles, Fuller, Bouchey
Irrigation	Furrow
Fertilizer	76-60-20-10
Planting date	3/23/2005
Vine kill date	6/24/2005
Vine kill method	chemical
Harvest date	7/26/2005

Trial Chemical Applications

Herbicides	Insecticides	Fungicides
Trifluralin	Asana	
Prowl		

Table 1. Percent Stand and Stems/Hill

Clone	Percent Stand									Stems/hill					
	CA	CO	ID	OR			TX	WA	Mean	CO	OR	TX	WA	Mean	
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP		SLV	HRM	SPL	TOP		
Red/White Flesh															
1	Dk. Red Norland	80	98	90	100	100	97	95	99	95	4.7	2.4	1.3	2.4	2.7
2	Red LaSoda	86	99	93	100	99	98	96	98	96	4.4	1.9	1.3	1.7	2.3
3	A96741-1R	92	99	90	100	100	99	96	100	97	4.6	2.6	1.4	2.1	2.7
4	A96741-2R	89	98	90	100	99	99	100	99	97	4.9	2.2	1.5	2.1	2.7
5	VC1075-1R	90	---	95	100	100	98	100	100	98	---	2.9	1.5	2.7	2.4
Red/Yellow Flesh															
6	VCO967-2R/Y	80	93	85	100	98	98	94	98	93	4.4	2.9	1.4	2.3	2.8
7	VC1015-7R/Y	82	98	94	100	100	99	98	100	96	4.6	2.5	1.4	2.5	2.7
Red/Red Flesh															
8	CO94183-1R/R	87	98	93	100	99	99	98	98	97	4.9	1.7	1.2	2.0	2.5
9	PA99P20-2	83	---	95	100	98	99	98	96	96	---	1.7	1.5	1.5	1.6
10	POR01PG20-12	95	---	92	100	100	100	100	100	98	---	1.8	1.3	1.6	1.6
Purple/Purple Flesh															
11	All Blue	92	97	98	100	100	100	100	100	98	6.5	2.6	1.4	2.8	3.3
12	CO94165-3P/P	92	99	99	100	100	99	98	100	98	6.1	2.5	1.4	2.8	3.2
Yellow/Yellow Flesh															
13	Yukon Gold	81	96	91	100	99	99	92	97	94	3.3	1.5	1.3	1.3	1.8
14	A95074-6	91	98	93	100	100	100	96	96	97	5.3	1.5	1.3	1.5	2.4
15	BTX1544-2W/Y	82	89	82	100	100	100	93	92	92	3.7	1.7	1.3	1.8	2.1
16	CO94157-2W/Y	78	94	90	100	88	97	90	84	90	3.4	1.6	1.5	2.0	2.1
17	NDA5507-3YF	85	98	88	100	99	99	98	100	96	5.2	2.3	1.3	1.8	2.6
18	NY 126	80	---	90	100	93	95	95	98	93	---	2.3	1.3	2.0	1.9
19	VC1002-3W/Y	91	99	85	100	100	99	100	99	97	5.1	1.9	1.3	2.1	2.6
20	VC1009-1W/Y	86	99	94	100	100	98	100	99	97	5.4	2.5	1.4	2.1	2.9
21	VC1123-2W/Y	85	97	88	100	100	100	100	100	96	5.8	2.4	1.4	2.6	3.1
Mean		86	97	91	100	99	99	97	98	96	4.8		1.4	2.1	2.5

Table 2. Vine Vigor and Vine Maturity

Clone	Vine Vigor/Size								Vine Maturity							
	CO	ID	OR		TX	WA	Mean	CA	CO	ID	OR		TX	WA	Mean	
	SLV	AB	COR	KLM	SPL	TOP		TUL	SLV	AB	COR	KLM	SPL	TOP		
Red/White Flesh																
1	Dk. Red Norland	1.8	1.8	3.0	3.6	3.2	2.0	2.6	3.4	1.0	1.5	3.0	2.4	2.8	5.0	2.7
2	Red LaSoda	4.0	1.0	3.0	3.4	3.5	2.3	2.9	3.3	2.8	1.8	3.0	2.6	3.1	5.0	3.1
3	A96741-1R	3.0	2.0	3.0	3.0	3.6	3.3	3.0	4.5	3.0	2.0	3.0	2.6	3.4	5.0	3.4
4	A96741-2R	3.0	2.0	3.0	3.6	3.5	3.3	3.1	3.5	2.5	2.0	3.0	2.8	3.1	5.0	3.1
5	VC1075-1R	---	2.5	3.0	3.4	3.9	2.8	3.1	4.3	---	2.3	3.0	2.6	3.6	5.0	3.5
Red/Yellow Flesh																
6	VCO967-2R/Y	3.0	1.3	3.0	3.8	3.9	2.8	3.0	4.1	2.8	2.0	3.0	3.0	2.9	5.0	3.3
7	VC1015-7R/Y	2.8	1.0	3.0	4.0	3.8	2.3	2.8	3.3	3.0	1.0	2.0	2.6	2.9	5.0	2.8
Red/Red Flesh																
8	CO94183-1R/R	2.3	1.0	2.0	2.4	3.6	1.0	2.1	3.8	2.3	1.8	2.0	3.2	4.1	5.0	3.2
9	PA99P20-2	---	2.5	3.0	2.0	4.1	3.0	2.9	4.0	---	2.0	3.0	4.2	4.2	5.0	3.7
10	POR01PG20-12	---	2.8	3.0	2.4	4.3	3.5	3.2	3.9	---	2.5	3.0	5.0	4.5	5.0	4.0
Purple/Purple Flesh																
11	All Blue	4.0	3.3	4.0	3.8	4.3	4.3	4.0	4.8	3.0	2.8	5.0	4.4	4.4	5.0	4.2
12	CO94165-3P/P	2.5	1.0	3.0	3.8	3.3	2.5	2.7	3.8	2.0	1.0	2.0	2.6	2.9	5.0	2.8
Yellow/Yellow Flesh																
13	Yukon Gold	2.5	1.3	3.0	3.0	3.2	2.5	2.6	3.0	2.8	1.0	2.0	2.2	3.5	5.0	2.8
14	A95074-6	4.5	2.8	4.0	2.8	4.9	4.0	3.8	4.3	3.3	3.3	4.0	3.8	4.7	5.0	4.1
15	BTX1544-2W/Y	3.0	1.0	3.0	4.0	3.4	2.5	2.8	3.0	3.0	1.0	3.0	2.4	2.9	5.0	2.9
16	CO94157-2W/Y	3.0	2.0	2.0	3.0	3.9	1.3	2.5	4.0	3.0	2.3	3.0	2.6	3.9	5.0	3.4
17	NDA5507-3YF	4.0	2.0	5.0	4.0	4.2	3.8	3.8	4.0	2.8	2.0	3.0	3.4	4.2	5.0	3.5
18	NY 126	---	1.0	3.0	3.6	4.2	2.3	2.8	4.1	---	2.0	3.0	3.4	4.5	5.0	3.7
19	VC1002-3W/Y	4.0	2.3	4.0	3.6	4.5	4.0	3.7	4.5	3.0	2.5	3.0	4.0	4.5	5.0	3.8
20	VC1009-1W/Y	5.0	4.0	5.0	4.2	4.6	5.0	4.6	4.8	3.5	3.3	3.0	4.8	4.4	5.0	4.1
21	VC1123-2W/Y	4.0	3.3	4.0	3.2	4.8	4.0	3.9	4.8	3.3	3.5	3.0	4.0	4.7	5.0	4.0
Mean		3.3	2.0	3.3	3.4	3.9	3.0	3.1	4.0	2.8	2.1	3.0	3.3	3.8	5.0	3.4

Table 3. Total Yield

Clone	Total Yield (cwt/A)									Mean	Rank
	CA	CO	ID	OR			TX	WA			
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh											
1	Dk. Red Norland	501	364	390	416	672	546	231	371	436	4
2	Red LaSoda	398	581	441	369	648	516	223	361	442	3
3	A96741-1R	490	506	492	439	669	498	222	360	460	2
4	A96741-2R	422	565	472	479	660	544	218	387	468	1
5	VC1075-1R	419	---	499	375	627	510	235	308	425	5
Red/Yellow Flesh											
6	VCO967-2R/Y	401	436	388	450	566	569	131	355	412	1
7	VC1015-7R/Y	252	368	254	475	683	514	89	396	379	2
Red/Red Flesh											
8	CO94183-1R/R	377	288	339	252	478	451	158	265	326	3
9	PA99P20-2	393	---	430	445	591	466	211	264	400	1
10	POR01PG20-12	380	---	501	376	591	427	148	249	382	2
Purple/Purple Flesh											
11	All Blue	396	482	457	386	638	421	139	263	398	2
12	CO94165-3P/P	445	404	372	463	721	460	199	373	430	1
Yellow/Yellow Flesh											
13	Yukon Gold	404	339	357	354	570	489	200	326	380	8
14	A95074-6	357	515	433	396	623	410	99	235	384	7
15	BTX1544-2W/Y	430	400	336	387	621	584	212	349	415	6
16	CO94157-2W/Y	374	399	348	395	455	429	149	208	345	9
17	NDA5507-3YF	375	496	389	562	701	631	161	358	459	2
18	NY 126	399	---	389	456	603	565	261	378	436	4
19	VC1002-3W/Y	379	484	434	487	641	445	151	327	419	5
20	VC1009-1W/Y	337	623	567	581	685	524	124	315	470	1
21	VC1123-2W/Y	429	537	417	431	750	548	181	377	459	2
Mean		398	458	415	427	628	502	178	325	416	

Table 4. Yield and Percent U.S. No. 1s (<4 oz + 4-10 oz)

Clone		Yield and Percent U.S. No. 1s (<4 oz + 4-10 oz) (Cwt/A & %)									Mean Rank	
		CA	CO	ID	OR			TX	WA			
		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh												
1	Dk. Red Norland	292	101	304	217	605	346	224	328	302	3	
		58	28	78	52	90	63	97	88	69	4	
2	Red LaSoda	192	91	269	161	564	234	192	293	250	5	
		48	16	61	44	87	45	86	81	59	5	
3	A96741-1R	401	155	388	297	623	421	213	334	354	2	
		82	31	79	68	93	85	96	93	78	2	
4	A96741-2R	264	134	259	273	549	384	218	325	301	4	
		63	24	76	57	83	71	100	84	70	3	
5	VC1075-1R	365	---	446	258	589	422	232	286	371	1	
		87	---	89	69	94	83	99	93	88	1	
Red/Yellow Flesh												
6	VCO967-2R/Y	336	143	359	279	553	436	130	332	321	1	
		84	33	93	62	98	77	99	94	80	1	
7	VC1015-7R/Y	221	133	220	233	658	293	87	349	274	2	
		88	36	87	49	96	57	97	88	75	2	
Red/Red Flesh												
8	CO94183-1R/R	268	187	299	179	446	350	150	252	266	3	
		71	65	88	71	93	78	95	95	82	2	
9	PA99P20-2	336	---	295	227	442	282	211	176	281	2	
		86	---	69	51	75	61	100	67	73	3	
10	POR01PG20-12	330	---	441	201	568	329	148	242	323	1	
		87	---	88	54	96	77	100	97	86	1	
Purple/Purple Flesh												
11	All Blue	372	252	407	212	629	340	139	247	325	2	
		94	52	89	55	99	81	100	94	83	2	
12	CO94165-3P/P	385	235	356	337	689	408	199	355	371	1	
		86	58	96	73	96	89	100	95	87	1	
Yellow Flesh												
13	Yukon Gold	202	92	328	165	436	275	177	258	242	8	
		50	27	92	47	76	56	88	79	64	9	
14	A95074-6	221	180	280	166	489	278	99	201	239	9	
		62	35	65	42	78	68	100	86	67	7	
15	BTX1544-2W/Y	338	104	305	196	480	379	167	280	281	7	
		79	26	91	51	77	65	79	80	69	6	
16	CO94157-2W/Y	331	227	338	210	437	403	149	195	286	6	
		88	57	97	53	96	94	100	94	85	2	
17	NDA5507-3YF	340	147	325	305	629	447	161	332	336	2	
		91	30	84	54	90	71	100	93	77	3	
18	NY126	269	---	274	256	502	268	248	296	302	4	
		67	---	70	56	83	47	95	78	71	5	
19	VC1002-3W/Y	353	291	415	271	631	388	151	314	352	1	
		93	60	96	56	98	87	100	96	86	1	
20	VC1009-1W/Y	249	256	329	262	623	390	124	286	315	3	
		74	41	58	45	91	74	100	91	72	4	
21	VC1123-2W/Y	252	126	345	157	672	291	181	329	294	5	
		59	23	83	36	90	53	100	87	66	8	
Mean		301	168	332	232	563	351	171	286	300		
		76	38	82	55	89	71	97	88	74		

Table 5. Yield and Percent U.S. No. 1s (4-10 + >10 oz)

Clone		Yield and Percent U.S. NO. 1s > 4 oz (Cwt/A & %)									Mean	Rank
		CA	CO	ID	OR			TX	WA			
		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh												
1	Dk. Red Norland	387	322	326	310	507	482	130	282	343	3	
		77	88	84	75	75	88	56	76	77	2	
2	Red LaSoda	293	509	391	286	568	437	152	252	361	1	
		74	88	89	78	88	85	68	70	80	1	
3	A96741-1R	354	410	371	350	455	430	88	241	337	4	
		72	81	75	80	68	86	40	67	71	4	
4	A96741-2R	331	488	355	392	492	473	88	269	361	1	
		78	86	75	82	75	87	40	70	74	3	
5	VC1075-1R	250	---	299	271	423	406	83	79	259	5	
		60	---	60	72	67	80	35	26	57	5	
Red/Yellow Flesh												
6	VCO967-2R/Y	318	354	264	377	310	520	51	171	296	2	
		79	81	68	84	55	91	39	48	68	2	
7	VC1015-7R/Y	169	299	193	410	530	464	51	291	301	1	
		67	81	76	86	78	90	58	73	76	1	
Red/Red Flesh												
8	CO94183-1R/R	234	150	203	191	346	374	71	109	210	3	
		62	52	60	76	72	83	45	41	61	2	
9	PA99P20-2	285	---	291	320	447	378	108	148	282	1	
		73	---	68	72	76	81	51	56	68	1	
10	POR01PG20-12	266	---	320	239	341	350	59	93	238	2	
		70	---	64	64	58	82	40	37	59	3	
Purple/Purple Flesh												
11	All Blue	218	287	231	225	368	250	49	63	211	2	
		55	60	51	58	58	59	35	24	50	2	
12	CO94165-3P/P	272	217	125	368	494	297	97	167	255	1	
		61	54	34	79	69	65	49	45	57	1	
Yellow Flesh												
13	Yukon Gold	346	296	281	289	504	459	136	262	322	6	
		86	87	79	82	88	94	68	80	83	1	
14	A95074-6	281	401	326	260	513	353	44	140	290	7	
		79	78	75	66	82	86	44	60	71	5	
15	BTX1544-2W/Y	331	350	249	298	528	516	140	259	334	5	
		77	88	74	77	85	88	66	74	79	3	
16	CO94157-2W/Y	219	227	157	220	257	275	54	52	183	9	
		58	57	45	56	56	64	36	25	50	9	
17	NDA5507-3YF	254	410	297	467	474	583	51	219	344	3	
		68	83	76	83	68	92	32	61	70	6	
18	NY126	351	---	333	345	500	535	160	319	363	2	
		88	---	86	76	83	95	61	84	82	2	
19	VC1002-3W/Y	206	234	257	339	394	351	46	164	249	8	
		54	48	59	70	61	79	31	50	57	8	
20	VC1009-1W/Y	219	421	487	471	486	396	39	172	336	4	
		65	68	86	81	71	76	31	54	67	7	
21	VC1123-2W/Y	361	455	334	332	649	483	101	264	372	1	
		84	85	80	77	87	88	56	70	78	4	
Mean		283	343	290	322	456	420	86	191	299		
		71	74	70	75	72	83	47	57	69		

Table 6. Yield and Percent U.S. No. 1s >10 oz

Clone		Yield and Percent U.S. No. 1s >10 oz (Cwt/A & %)									Mean	Rank
		CA	CO	ID	OR			TX	WA			
		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh												
1	Dk. Red Norland	157	101	83	104	49	166	6	30	87	3	
		31	28	21	25	7	30	2	8	19	3	
2	Red LaSoda	133	236	158	135	76	224	30	27	127	1	
		33	41	36	37	12	43	14	7	28	1	
3	A96741-1R	66	89	89	71	17	71	10	9	53	4	
		14	18	18	16	3	14	4	2	11	4	
4	A96741-2R	142	165	112	134	76	139	0	48	102	2	
		34	29	24	28	12	26	0	12	21	2	
5	VC1075-1R	24	---	39	38	14	64	2	0	26	5	
		6	---	8	10	2	13	1	0	6	5	
Red/Yellow Flesh												
6	VCO967-2R/Y	57	69	18	110	0	128	1	11	49	2	
		14	16	5	25	0	22	1	3	11	2	
7	VC1015-7R/Y	23	67	28	187	6	196	2	34	68	1	
		9	18	11	39	1	38	3	9	16	1	
Red/Red Flesh												
8	CO94183-1R/R	36	4	7	25	7	69	8	0	20	3	
		9	1	2	10	1	15	5	0	5	3	
9	PA99P20-2	44	---	77	109	98	134	0	14	68	1	
		11	---	18	25	17	29	0	5	15	1	
10	POR01PG20-12	40	---	35	56	2	69	0	0	29	2	
		11	---	7	15	0	16	0	0	7	2	
Purple/Purple Flesh												
11	All Blue	10	6	25	32	3	25	0	0	13	2	
		2	1	5	8	0	6	0	0	3	2	
12	CO94165-3P/P	37	14	3	45	11	30	0	4	18	1	
		8	3	1	10	2	7	0	1	4	1	
Yellow Flesh												
13	Yukon Gold	179	119	22	132	126	206	23	54	108	3	
		44	35	6	37	22	42	12	17	27	1	
14	A95074-6	110	42	117	110	111	118	0	17	78	6	
		31	8	27	28	18	29	0	7	19	5	
15	BTX1544-2W/Y	69	117	26	112	93	170	44	42	84	4	
		16	29	8	29	15	29	21	12	20	4	
16	CO94157-2W/Y	22	7	6	36	5	13	0	3	12	9	
		6	2	2	9	1	3	0	1	3	9	
17	NDA5507-3YF	23	85	47	172	11	167	0	1	63	7	
		6	17	12	31	2	26	0	0	12	7	
18	NY126	115	---	103	111	70	292	13	74	111	1	
		29	---	26	24	12	52	5	20	24	2	
19	VC1002-3W/Y	9	18	14	89	0	47	0	6	23	8	
		2	4	3	18	0	11	0	2	5	8	
20	VC1009-1W/Y	52	68	221	220	4	83	0	7	82	5	
		15	11	39	38	1	16	0	2	15	6	
21	VC1123-2W/Y	154	159	57	183	69	219	0	35	110	2	
		36	30	14	42	9	40	0	9	23	3	
Mean		72	80	61	105	40	125	7	20	64		
		17	17	14	24	7	24	3	6	14		

Table 7. Yield and Percent U.S. No. 1s 6-10 oz

Clone		Yield and Percent U.S. No. 1s 6-10 oz (Cwt/A & %)								Mean Rank	
		CA	CO	ID	OR			TX	WA		
		TUL	SLV ¹	AB	COR	HRM	KLM	SPL	TOP		
Red/White Flesh											
1	Dk. Red Norland	155	221	151	167	250	206	51	125	166	3
		31	61	39	40	37	38	22	34	38	1
2	Red LaSoda	117	273	168	119	315	147	73	109	165	4
		29	47	38	32	49	28	33	30	36	2
3	A96741-1R	165	321	175	196	178	189	32	91	168	2
		34	63	36	45	27	38	15	25	35	3
4	A96741-2R	122	323	159	181	245	199	32	121	173	1
		29	57	34	38	37	37	15	31	35	3
5	VC1075-1R	98	---	132	159	175	175	28	9	111	5
		24	---	26	42	28	34	12	3	24	5
Red/Yellow Flesh											
6	VCO967-2R/Y	147	285	131	218	36	223	12	47	137	2
		37	65	34	48	6	39	9	13	31	2
7	VC1015-7R/Y	79	232	94	169	201	182	22	125	138	1
		31	63	37	36	29	35	25	31	36	1
Red/Red Flesh											
8	CO94183-1R/R	115	146	99	114	154	180	8	21	105	2
		31	51	29	45	32	40	5	8	30	2
9	PA99P20-2	141	---	121	165	224	141	48	80	131	1
		36	---	28	37	38	30	23	30	32	1
10	POR01PG20-12	121	---	152	144	98	137	15	20	98	3
		32	---	30	38	17	32	10	8	24	3
Purple/Purple Flesh											
11	All Blue	91	281	95	127	90	59	14	10	96	2
		23	58	21	33	14	14	10	4	22	2
12	CO94165-3P/P	117	203	36	220	199	116	29	49	121	1
		26	50	10	48	28	25	15	13	27	1
Yellow Flesh											
13	Yukon Gold	115	177	152	117	264	165	39	123	144	7
		28	52	43	33	46	34	19	38	37	1
14	A95074-6	109	359	125	135	254	120	17	50	146	6
		30	70	29	34	41	29	17	21	34	5
15	BTX1544-2W/Y	171	233	116	151	245	201	43	113	159	3
		40	58	35	39	39	34	20	32	37	1
16	CO94157-2W/Y	95	220	45	129	68	79	19	13	84	9
		25	55	13	33	15	18	13	6	22	9
17	NDA5507-3YF	114	325	145	239	167	269	8	82	169	2
		30	66	37	43	24	43	5	23	34	5
18	NY126	166	---	140	160	247	173	76	129	156	5
		41	---	36	35	41	31	29	34	35	4
19	VC1002-3W/Y	86	216	94	177	65	147	12	50	106	8
		23	45	22	36	10	33	8	15	24	8
20	VC1009-1W/Y	100	353	160	201	201	163	23	64	158	4
		30	57	28	35	29	31	19	20	31	7
21	VC1123-2W/Y	139	296	171	123	293	180	51	118	171	1
		32	55	41	29	39	33	28	31	36	3
Mean		122	263	127	162	189	164	31	74	141	
		31	57	31	38	30	32	17	21	32	

Table 8. Yield and Percent U.S. No. 1s 4-6 oz

Clone	Yield and Percent U.S. No. 1s 4-6 oz (Cwt/A & %)									Mean	Rank
	CA	CO	ID	OR			TX	WA			
	TUL	SLV ¹	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh											
1	Dk. Red Norland	76	---	92	40	208	110	73	127	104	3
		15	---	24	10	31	20	31	34	24	3
2	Red LaSoda	43	---	65	32	177	66	48	116	78	5
		11	---	15	9	27	13	22	32	18	5
3	A96741-1R	123	---	107	84	260	170	46	141	133	1
		25	---	22	19	39	34	21	39	28	1
4	A96741-2R	67	---	84	76	171	135	55	101	98	4
		16	---	18	16	26	25	25	26	22	4
5	VC1075-1R	127	---	128	74	234	167	53	70	122	2
		30	---	26	20	37	33	22	23	27	2
Red/Yellow Flesh											
6	VCO967-2R/Y	113	---	115	49	274	169	38	113	124	1
		28	---	30	11	48	30	29	32	30	1
7	VC1015-7R/Y	67	---	71	53	323	86	27	132	108	2
		26	---	28	11	47	17	30	33	27	2
Red/Red Flesh											
8	CO94183-1R/R	83	---	97	52	185	125	55	89	98	2
		22	---	29	21	39	28	35	33	30	1
9	PA99P20-2	101	---	93	46	125	103	60	54	83	3
		26	---	22	10	21	22	28	21	21	3
10	POR01PG20-12	105	---	133	38	241	144	45	73	111	1
		28	---	27	10	41	34	30	29	28	2
Purple/Purple Flesh											
11	All Blue	117	---	111	67	275	166	35	54	118	2
		30	---	24	17	43	39	25	20	28	2
12	CO94165-3P/P	118	---	86	102	284	151	68	113	132	1
		27	---	23	22	39	33	34	30	30	1
Yellow Flesh											
13	Yukon Gold	53	---	107	41	114	88	74	86	80	8
		13	---	30	11	20	18	37	26	22	6
14	A95074-6	62	---	84	16	148	115	27	73	75	9
		17	---	19	4	24	28	27	31	21	9
15	BTX1544-2W/Y	92	---	107	34	190	145	53	104	104	5
		21	---	32	9	31	25	25	30	25	4
16	CO94157-2W/Y	101	---	106	55	184	183	35	36	100	6
		27	---	30	14	40	43	23	17	28	2
17	NDA5507-3YF	118	---	105	56	296	147	43	136	129	2
		31	---	27	10	42	23	27	38	28	2
18	NY126	70	---	90	75	183	70	72	116	97	7
		17	---	23	16	30	12	28	31	22	6
19	VC1002-3W/Y	112	---	149	73	329	157	34	109	138	1
		30	---	34	15	51	35	22	33	31	1
20	VC1009-1W/Y	67	---	106	50	281	150	16	101	110	3
		20	---	19	9	41	29	13	32	23	5
21	VC1123-2W/Y	68	---	106	26	287	84	50	111	105	4
		16	---	25	6	38	15	28	29	22	6
Mean		90	---	102	54	227	130	48	98	107	
		23	---	25	13	36	26	27	29	26	

Table 9. Yield and Percent < 4 oz

Clone		Yield and Percent < 4 oz (Cwt/A & %)									Mean	Rank
		CA	CO	ID	OR			TX	WA			
		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh												
1	Dk. Red Norland	62	40	61	10	147	30	100	76	66	4	
		12	11	16	2	22	5	43	20	16	4	
2	Red LaSoda	32	44	36	10	72	21	71	68	44	5	
		8	8	8	3	11	4	32	19	12	5	
3	A96741-1R	113	92	106	17	185	62	134	102	101	2	
		23	18	22	4	28	12	60	28	24	2	
4	A96741-2R	75	77	116	15	133	50	131	104	88	3	
		18	14	25	3	20	9	60	27	22	3	
5	VC1075-1R	139	---	186	25	180	80	151	207	138	1	
		33	---	37	7	29	16	64	67	36	1	
Red/Yellow Flesh												
6	VCO967-2R/Y	75	78	113	12	243	44	80	172	102	1	
		19	18	29	3	43	8	61	49	29	1	
7	VC1015-7R/Y	75	70	55	10	134	25	38	92	62	2	
		30	19	22	2	20	5	42	23	20	2	
Red/Red Flesh												
8	CO94183-1R/R	70	136	103	13	107	45	87	142	88	2	
		19	47	30	5	22	10	55	54	30	2	
9	PA99P20-2	95	---	81	16	93	38	103	42	67	3	
		24	---	19	4	16	8	49	16	19	3	
10	POR01PG20-12	104	---	156	19	229	48	88	150	113	1	
		27	---	31	5	39	11	60	60	33	1	
Purple/Purple Flesh												
11	All Blue	164	194	201	19	264	115	90	184	154	1	
		41	40	44	5	41	27	65	70	42	1	
12	CO94165-3P/P	150	185	234	14	206	141	102	193	153	2	
		34	46	63	3	29	31	51	52	39	2	
Yellow Flesh												
13	Yukon Gold	35	40	69	7	58	22	64	49	43	9	
		9	12	19	2	10	4	32	15	13	8	
14	A95074-6	51	110	71	16	87	43	55	78	64	5	
		14	21	16	4	14	10	56	33	21	5	
15	BTX1544-2W/Y	76	46	82	10	45	33	72	63	53	7	
		18	12	24	3	7	6	34	18	15	7	
16	CO94157-2W/Y	135	172	187	25	185	141	95	145	136	2	
		36	43	54	6	41	33	64	70	43	1	
17	NDA5507-3YF	109	81	75	10	166	31	110	114	87	4	
		29	16	19	2	24	5	68	32	24	4	
18	NY126	34	---	44	22	72	25	101	51	50	8	
		9	---	11	5	12	4	39	14	13	8	
19	VC1002-3W/Y	156	246	172	20	237	84	105	156	147	1	
		41	51	40	4	37	19	69	48	39	2	
20	VC1009-1W/Y	81	199	63	11	141	77	85	121	97	3	
		24	32	11	2	21	15	69	39	27	3	
21	VC1123-2W/Y	44	71	68	8	92	27	79	101	61	6	
		10	13	16	2	12	5	44	27	16	6	
Mean		89	111	109	15	146	56	92	115	92		
		23	25	26	4	24	12	53	37	25		

Table 10. Yield and Percent No. 2s & Culls

Clone		Yield and Percent No. 2s & Culls (Cwt/A & %)									Mean Rank	
		CA	CO	ID	OR			TX	WA			
		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh												
1	Dk. Red Norland	52	2	3	95	19	34	0	13	27	2	
		10	1	1	23	3	6	0	3	6	3	
2	Red LaSoda	73	29	14	73	7	58	2	41	37	1	
		18	5	3	20	1	11	1	11	9	1	
3	A96741-1R	23	4	15	71	30	6	0	17	21	4	
		5	1	3	16	4	1	0	5	4	4	
4	A96741-2R	16	0	1	73	35	21	0	14	20	5	
		4	0	0	15	5	4	0	3	4	4	
5	VC1075-1R	30	---	14	78	24	24	0	22	27	2	
		7	---	3	21	4	5	0	7	7	2	
Red/Yellow Flesh												
6	VCO967-2R/Y	8	4	11	60	13	5	0	12	14	2	
		2	1	3	13	2	1	0	3	3	2	
7	VC1015-7R/Y	8	0	6	55	19	25	0	13	16	1	
		3	0	2	12	3	5	0	3	4	1	
Red/Red Flesh												
8	CO94183-1R/R	73	2	33	48	25	32	0	14	28	3	
		19	1	10	19	5	7	0	5	8	2	
9	PA99P20-2	13	---	58	109	51	50	0	74	51	1	
		3	---	13	24	9	11	0	28	13	1	
10	POR01PG20-12	10	---	25	118	21	29	0	7	30	2	
		3	---	5	31	4	7	0	3	8	2	
Purple/Purple Flesh												
11	All Blue	14	2	25	142	4	56	0	16	32	1	
		4	0	5	37	1	13	0	6	8	1	
12	CO94165-3P/P	24	2	13	81	21	22	0	14	22	2	
		5	0	3	18	3	5	0	4	5	2	
Yellow Flesh												
13	Yukon Gold	23	2	7	57	9	8	0	14	15	9	
		6	1	2	16	2	2	0	4	4	9	
14	A95074-6	26	4	36	120	22	14	0	17	30	2	
		7	1	8	30	4	3	0	7	8	1	
15	BTX1544-2W/Y	23	4	5	79	48	35	0	27	28	3	
		5	1	1	20	8	6	0	8	6	4	
16	CO94157-2W/Y	21	0	4	149	13	13	1	11	27	5	
		6	0	1	38	3	3	1	5	7	2	
17	NDA5507-3YF	13	6	17	85	61	17	0	24	28	3	
		3	1	4	15	9	3	0	7	5	6	
18	NY126	15	---	12	90	32	5	0	8	23	7	
		4	---	3	20	5	1	0	2	5	6	
19	VC1002-3W/Y	17	3	5	127	9	10	0	7	22	8	
		4	1	1	26	1	2	0	2	5	6	
20	VC1009-1W/Y	37	4	17	99	58	51	0	22	36	1	
		11	1	3	17	8	10	0	7	7	2	
21	VC1123-2W/Y	24	11	15	91	9	38	0	12	25	6	
		6	2	4	21	1	7	0	3	6	4	
Mean		26	5	16	90	25	26	0	19	26		
		6	1	4	22	4	5	0	6	6		

Table 11. Specific Gravity

Clone	Specific Gravity									Mean	Rank
	CA	CO	ID	OR			TX	WA			
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh											
1	Dk. Red Norland	1.068	1.073	1.065	1.076	1.063	1.070	1.064	1.077	1.070	3
2	Red LaSoda	1.076	1.091	1.067	1.077	1.063	1.069	1.061	1.073	1.072	1
3	A96741-1R	1.069	1.081	1.063	1.077	1.064	1.065	1.063	1.069	1.069	4
4	A96741-2R	1.066	1.076	1.063	1.072	1.059	1.060	1.060	1.069	1.066	5
5	VC1075-1R	1.075	---	1.071	1.089	1.065	1.070	1.061	1.065	1.071	2
Red/Yellow Flesh											
6	VCO967-2R/Y	1.076	1.075	1.073	1.079	1.070	1.069	1.064	1.081	1.073	1
7	VC1015-7R/Y	1.072	1.080	1.069	1.085	1.068	1.069	1.054	1.077	1.072	2
Red/Red Flesh											
8	CO94183-1R/R	1.072	1.084	1.077	1.080	1.065	1.075	1.065	1.076	1.074	3
9	PA99P20-2	1.079	---	1.074	1.085	1.071	1.077	1.070	1.073	1.076	2
10	POR01PG20-12	1.075	---	1.079	1.104	1.073	1.079	1.074	1.080	1.081	1
Purple/Purple Flesh											
11	All Blue	1.068	1.086	1.077	1.102	1.068	1.079	1.073	1.073	1.078	1
12	CO94165-3P/P	1.078	1.086	1.077	1.085	1.072	1.076	1.072	1.081	1.078	1
Yellow/Yellow Flesh											
13	Yukon Gold	1.086	1.088	1.084	1.094	1.078	1.084	1.071	1.087	1.084	4
14	A95074-6	1.078	1.101	1.078	1.109	1.078	1.082	1.072	1.078	1.085	1
15	BTX1544-2W/Y	1.075	1.084	1.076	1.085	1.074	1.076	1.067	1.083	1.078	7
16	CO94157-2W/Y	1.086	1.100	1.081	1.112	1.073	1.084	1.073	1.074	1.085	1
17	NDA5507-3YF	1.083	1.085	1.072	1.081	1.072	1.073	1.068	1.077	1.076	8
18	NY 126	1.088	---	1.087	1.103	1.076	1.083	1.074	1.083	1.085	1
19	VC1002-3W/Y	1.083	1.104	1.079	1.080	1.077	1.083	1.078	1.084	1.084	4
20	VC1009-1W/Y	1.064	1.091	1.075	1.086	1.064	1.074	1.060	1.072	1.073	9
21	VC1123-2W/Y	1.072	1.098	1.074	1.094	1.071	1.078	1.072	1.076	1.079	6
Mean		1.076	1.087	1.074	1.088	1.070	1.075	1.067	1.077	1.077	

Table 12. Average Tuber Size and Tubers/plant

Clone	Average Tuber Size (oz)								Tubers/plant			
	CA	ID	OR		TX	WA	Mean	OR	TX	WA	Mean	
	TUL	AB	COR	HRM	SPL	TOP		HRM	SPL	TOP		
Red/White Flesh												
1	Dk. Red Norland	5.9	5.6	6.0	6.6	4.2	5.0	5.6	8.3	4.9	6.4	5.7
2	Red LaSoda	6.1	7.4	7.1	9.5	4.2	5.0	6.6	5.5	4.6	6.4	5.5
3	A96741-1R	4.9	5.0	5.0	5.0	2.6	4.4	4.5	10.9	7.4	7.2	7.3
4	A96741-2R	5.0	4.8	5.5	6.7	2.8	4.7	4.9	7.9	6.8	7.1	6.9
5	VC1075-1R	4.7	3.9	4.1	4.8	2.7	2.8	3.8	10.6	7.3	9.6	8.4
Red/Yellow Flesh												
6	VCO967-2R/Y	4.9	4.5	6.0	3.3	3.4	3.8	4.3	14.3	3.4	8.4	5.9
7	VC1015-7R/Y	4.6	4.7	6.6	5.9	3.8	4.8	5.1	9.4	2.1	7.2	4.6
Red/Red Flesh												
8	CO94183-1R/R	5.4	4.0	4.3	4.7	3.3	3.2	4.2	8.3	4.1	7.1	5.6
9	PA99P20-2	4.9	5.4	6.6	9.0	3.3	5.6	5.8	5.5	5.4	4.2	4.8
10	POR01PG20-12	4.6	4.5	5.2	4.0	2.8	3.2	4.1	11.9	4.6	6.8	5.7
Purple/Purple Flesh												
11	All Blue	4.4	3.6	4.5	3.7	2.4	2.7	3.6	14.1	5.1	8.5	6.8
12	CO94165-3P/P	4.6	2.9	4.8	5.0	2.6	3.4	3.9	11.8	6.4	9.6	8.0
Yellow/Yellow Flesh												
13	Yukon Gold	5.8	4.8	7.4	11.0	4.5	5.6	6.5	4.3	4.0	5.1	4.6
14	A95074-6	5.0	6.0	5.8	9.9	2.8	4.5	5.7	5.1	3.1	4.6	3.8
15	BTX1544-2W/Y	5.1	4.6	6.2	9.0	4.2	5.3	5.7	5.7	4.5	5.7	5.1
16	CO94157-2W/Y	4.9	3.4	4.3	4.0	2.6	2.8	3.7	10.4	5.3	6.5	5.9
17	NDA5507-3YF	4.6	5.2	7.3	5.0	2.7	4.1	4.8	11.3	5.1	7.6	6.3
18	NY 126	5.2	6.4	5.3	9.5	4.4	5.7	6.1	5.6	5.1	5.8	5.5
19	VC1002-3W/Y	4.6	3.7	5.5	3.9	2.3	3.6	3.9	13.3	5.6	8.0	6.8
20	VC1009-1W/Y	5.0	6.4	7.3	5.3	2.7	3.9	5.1	10.3	3.8	7.0	5.4
21	VC1123-2W/Y	5.8	5.3	8.0	7.6	3.6	4.8	5.9	8.0	4.2	6.8	5.5
Mean		5.0	4.9	5.8	6.4	3.2	4.2	4.9	9.2	4.9	6.9	5.9

Table 13. Tuber Shape

Clone	Tuber Shape (1 - 5 long)									L/W			
	CA	CO	ID	OR			TX	WA	Mean	OR	WA	Mean	
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP		HRM	TOP		
Red/White Flesh													
1	Dk. Red Norland	2.3	2.0	2.5	2.0	2.1	2.0	3.4	2.0	2.3	1.2	1.2	1.2
2	Red LaSoda	2.3	2.0	2.0	2.0	1.1	3.0	3.4	2.0	2.2	1.0	1.1	1.1
3	A96741-1R	2.0	2.0	2.0	1.0	1.1	1.5	2.8	2.0	1.8	1.0	1.2	1.1
4	A96741-2R	2.0	1.0	1.3	1.0	1.1	1.0	2.4	2.0	1.5	1.0	1.0	1.0
5	VC1075-1R	2.0	---	1.3	2.0	1.0	1.0	2.5	2.0	1.7	1.0	1.0	1.0
Red/Yellow Flesh													
6	VCO967-2R/Y	3.0	2.0	2.5	1.0	2.4	2.5	3.4	2.0	2.4	1.2	1.3	1.3
7	VC1015-7R/Y	2.8	1.0	2.0	1.0	1.8	2.0	3.1	2.0	2.0	1.1	1.0	1.1
Red/Red Flesh													
8	CO94183-1R/R	3.0	2.0	3.5	2.0	2.3	2.0	3.4	2.0	2.5	1.2	1.4	1.3
9	PA99P20-2	4.0	---	4.0	5.0	5.0	5.0	4.0	5.0	4.6	1.9	2.0	2.0
10	POR01PG20-12	4.0	---	4.0	4.0	4.8	5.0	4.0	4.0	4.3	1.8	1.7	1.8
Purple/Purple Flesh													
11	All Blue	3.8	3.0	4.8	4.0	3.6	5.0	4.0	4.0	4.0	1.5	1.7	1.6
12	CO94165-3P/P	3.8	2.0	2.0	3.0	2.5	2.0	4.5	3.0	2.9	1.3	1.3	1.3
Yellow/Yellow Flesh													
13	Yukon Gold	3.5	2.0	1.5	2.0	2.3	1.5	3.5	2.0	2.3	1.2	1.2	1.2
14	A95074-6	4.0	5.0	3.8	4.0	4.4	4.0	4.0	4.0	4.2	1.7	1.7	1.7
15	BTX1544-2W/Y	2.5	4.0	1.8	3.0	2.3	2.5	3.5	3.0	2.8	1.2	1.1	1.2
16	CO94157-2W/Y	4.0	4.0	3.3	3.0	4.4	2.5	3.8	3.0	3.5	1.7	1.5	1.6
17	NDA5507-3YF	3.0	2.0	2.5	3.0	2.9	1.5	2.9	3.0	2.6	1.4	1.3	1.4
18	NY 126	2.0	---	2.5	2.0	2.6	1.5	3.0	2.0	2.2	1.3	1.1	1.2
19	VC1002-3W/Y	2.3	2.0	1.3	2.0	2.1	1.0	3.4	2.0	2.0	1.2	1.2	1.2
20	VC1009-1W/Y	3.0	2.0	2.8	3.0	2.1	2.5	3.1	3.0	2.7	1.2	1.2	1.2
21	VC1123-2W/Y	2.8	2.0	2.0	3.0	2.3	2.5	3.4	3.0	2.6	1.2	1.3	1.3
Mean		3.0	2.4	2.5	2.5	2.6	2.5	3.4	2.7	2.7	1.3	1.3	1.3

Table 14. Skin and Flesh Color

Clone	Skin Color (1 - 5 dark)										Flesh Color (1 - 5 dark)									
	CA	CO	ID	OR			TX	WA	Mean	CA	CO	ID	OR			TX	WA	Mean		
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP		TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh																				
1	Dk. Red	Norland	2.0	2.0	2.8	3.0	1.9	3.3	3.5	2.0	2.6	1.0	1.0	1.0	1.0	3.0	1.0	1.0	---	1.3
2	Red	LaSoda	3.0	1.0	2.3	2.0	3.3	2.3	3.5	2.0	2.4	1.0	1.0	1.0	1.0	3.8	1.0	1.0	---	1.4
3	A96741-1R		3.0	2.0	2.8	4.0	4.5	4.5	3.8	5.0	3.7	1.0	1.0	1.0	1.0	3.8	1.0	1.5	---	1.5
4	A96741-2R		3.3	2.0	3.5	3.0	4.4	4.0	4.3	4.0	3.6	1.0	1.0	1.3	1.0	2.3	1.0	1.0	---	1.2
5	VC1075-1R		3.3	---	3.8	4.0	4.8	4.5	4.3	4.0	4.1	1.0	---	1.0	1.0	3.3	1.0	1.0	---	1.4
Red/Yellow Flesh																				
6	VCO967-2R/Y		1.8	1.0	1.5	2.0	1.9	2.0	3.3	1.0	1.8	2.8	3.0	3.5	4.0	1.5	3.1	2.6	---	2.9
7	VC1015-7R/Y		1.3	1.0	1.5	2.0	2.0	2.0	2.9	1.0	1.7	3.0	4.0	3.5	3.0	2.8	3.4	3.8	---	3.4
Red/Red Flesh																				
8	CO94183-1R/R		3.5	4.0	3.5	5.0	4.8	4.8	5.0	5.0	4.5	2.3	2.0	2.0	1.0	2.8	1.7	3.0	---	2.1
9	PA99P20-2		4.5	---	4.0	5.0	4.3	5.0	4.5	5.0	4.6	3.5	---	3.0	2.0	2.3	3.3	3.1	---	2.9
10	POR01PG20-12		4.3	---	4.8	5.0	4.5	5.0	4.3	5.0	4.7	3.3	---	3.5	3.0	3.0	2.7	3.0	---	3.1
Purple/Purple Flesh																				
11	All Blue		4.8	4.0	5.0	4.0	4.0	5.0	4.5	5.0	4.5	5.0	3.0	4.5	4.0	3.5	4.3	3.5	---	4.0
12	CO94165-3P/P		5.0	4.0	5.0	5.0	4.8	5.0	5.0	5.0	4.9	5.0	4.0	4.8	5.0	5.0	4.8	4.5	---	4.7
Yellow/Yellow Flesh																				
13	Yukon Gold		3.0	3.0	2.0	1.0	2.0	2.8	1.6	2.0	2.2	2.8	3.0	3.3	4.0	3.3	2.7	3.0	---	3.2
14	A95074-6		3.0	3.0	2.8	1.0	2.0	3.3	3.8	2.0	2.6	2.0	2.0	2.8	3.0	2.5	2.2	2.3	---	2.4
15	BTX1544-2W/Y		3.0	3.0	1.5	1.0	2.0	3.0	2.3	2.0	2.2	2.0	3.0	2.5	3.0	2.3	2.3	3.1	---	2.6
16	CO94157-2W/Y		3.0	3.0	2.5	1.0	2.0	3.0	2.3	1.0	2.2	3.3	3.0	3.0	2.0	3.0	2.8	2.6	---	2.8
17	NDA5507-3YF		3.0	3.0	2.0	1.0	2.0	3.0	1.5	2.0	2.2	2.0	3.0	2.8	3.0	2.5	2.2	2.6	---	2.6
18	NY 126		3.0	---	2.0	1.0	2.0	3.0	2.3	2.0	2.2	2.3	---	2.5	4.0	3.3	2.5	2.1	---	2.8
19	VC1002-3W/Y		3.3	3.0	2.3	1.0	2.0	3.0	3.6	2.0	2.5	2.8	4.0	3.8	4.0	3.0	3.5	2.9	---	3.4
20	VC1009-1W/Y		3.0	3.0	3.8	1.0	2.0	2.5	1.9	2.0	2.4	4.0	4.0	3.8	3.0	3.5	3.3	3.4	---	3.6
21	VC1123-2W/Y		3.0	3.0	3.5	1.0	2.0	3.0	1.8	2.0	2.4	2.8	4.0	4.0	2.0	3.5	3.5	3.3	---	3.3
Mean			3.2	2.6	3.0	2.5	3.0	3.5	3.3	2.9	3.0	2.6	2.7	2.8	2.6	3.0	2.5	2.6	####	2.7

Table 15. Eye Depth, Skinning and External Defects

Clone	Eye Depth	Skinning	External Defects (1=severe; 5=none)					
			Growth Cracks	Knobs	Shatter Bruise	Scab ID	P. Scab HRM	
Red/White Flesh								
1	Dk. Red Norland	2.9	4.4	4.6	5.0	4.6	4.8	5.0
2	Red LaSoda	1.7	3.7	4.2	5.0	4.6	4.3	4.8
3	A96741-1R	3.7	3.5	4.4	4.8	3.8	WA 3.0	4.8
4	A96741-2R	3.4	3.4	4.7	5.0	4.1		4.8
5	VC1075-1R	3.5	3.0	4.8	4.4	4.1		3.9
Red/Yellow Flesh								
6	VCO967-2R/Y	4.2	4.5	4.8	4.6	4.4		5.0
7	VC1015-7R/Y	2.9	4.3	4.6	5.0	4.5		5.0
Red/Red Flesh								
8	CO94183-1R/R	3.8	4.4	4.2	5.0	4.6		4.8
9	PA99P20-2	4.1	3.6	4.7	4.6	4.8		5.0
10	POR01PG20-12	3.7	3.4	4.8	4.7	4.9		5.0
Purple/Purple Flesh								
11	All Blue	2.9	4.1	4.9	4.8	4.9		5.0
12	CO94165-3P/P	3.7	4.6	5.0	4.8	5.0		5.0
Yellow/Yellow Flesh								
13	Yukon Gold	4.1	4.4	5.0	4.8	4.7		5.0
14	A95074-6	4.2	2.2	4.7	4.7	4.8		5.0
15	BTX1544-2W/Y	2.9	4.8	4.6	4.8	4.3	WA 3.0	4.8
16	CO94157-2W/Y	4.4	4.4	5.0	5.0	4.2	HRM 3.8	4.8
17	NDA5507-3YF	3.9	4.4	4.7	4.8	5.0		5.0
18	NY 126	3.8	4.2	5.0	5.0	4.7		5.0
19	VC1002-3W/Y	4.1	4.0	4.9	5.0	5.0		4.5
20	VC1009-1W/Y	4.0	2.6	4.5	4.9	4.9		4.5
21	VC1123-2W/Y	4.1	3.9	4.6	5.0	5.0		4.8
Mean		3.6	3.9	4.7	4.8	4.6		4.8

Table 16. Internal Defects

Clone	HH BC %	%		Blackspot Bruise CO 1-5=none		
		IBS	VD			
Red/White Flesh						
1	Dk. Red Norland	2	0	2	4.4	
2	Red LaSoda	13	HRM 63, TUL 22	3	0	4.1
3	A96741-1R	0	1	0	4.2	
4	A96741-2R	0	1	0	4.3	
5	VC1075-1R	0	0	0	---	
Red/Yellow Flesh						
6	VCO967-2R/Y	1	1	2	3.7	
7	VC1015-7R/Y	0	0	0	4.0	
Red/Red Flesh						
8	CO94183-1R/R	1	0	0	---	
9	PA99P20-2	1	0	0	---	
10	POR01PG20-12	1	0	0	---	
Purple/Purple Flesh						
11	All Blue	0	0	0	---	
12	CO94165-3P/P	1	0	0	---	
Yellow/Yellow Flesh						
13	Yukon Gold	2	1	0	4.6	
14	A95074-6	4	ID 25	1	2	3.7
15	BTX1544-2W/Y	2	HRM 18	4	0	4.1
16	CO94157-2W/Y	1		4	0	3.2
17	NDA5507-3YF	1		0	0	5.0
18	NY 126	3	ID 18	0	0	---
19	VC1002-3W/Y	2		1	0	3.4
20	VC1009-1W/Y	1		0	0	4.3
21	VC1123-2W/Y	2		0	3	3.4
Mean		2		0.8	0.4	4.0

Table 17. Fresh Market Quality (Merit Scores)

Clone	Merit Scores (1-5=best)									Mean	Rank
	CA	CO	ID	OR			TX	WA			
	TUL	SLV	AB	COR	HRM	KLM	SPL	TOP			
Red/White Flesh											
1	Dk. Red Norland	4.0	1.0	3.3	2.5	3.0	3.0	3.7	1.5	2.8	4
2	Red LaSoda	3.3	2.0	2.5	2.0	1.0	2.5	3.3	1.5	2.3	5
3	A96741-1R	4.0	4.0	3.3	5.0	2.5	4.5	3.0	3.5	3.7	2
4	A96741-2R	3.6	5.0	4.3	5.0	2.0	3.8	3.5	3.5	3.8	1
5	VC1075-1R	2.8	---	3.5	4.0	2.0	4.5	3.4	3.5	3.4	3
Red/Yellow Flesh											
6	VCO967-2R/Y	4.5	3.0	3.3	4.0	2.0	3.0	2.9	2.5	3.2	1
7	VC1015-7R/Y	2.4	2.0	3.3	4.0	2.5	2.8	2.7	2.0	2.7	2
Red/Red Flesh											
8	CO94183-1R/R	2.8	3.0	3.3	2.0	2.0	3.8	2.9	3.5	2.9	2
9	PA99P20-2	3.9	---	3.7	3.0	2.5	2.8	2.1	1.0	2.7	3
10	POR01PG20-12	3.5	---	4.0	2.0	3.0	3.0	2.2	3.5	3.0	1
Purple/Purple Flesh											
11	All Blue	2.3	4.0	1.5	2.0	2.0	2.5	2.7	2.0	2.4	2
12	CO94165-3P/P	3.4	5.0	2.5	3.0	3.5	3.8	3.0	3.0	3.4	1
Yellow/Yellow Flesh											
13	Yukon Gold	4.3	1.0	3.0	4.0	3.0	4.5	3.4	2.0	3.2	1
14	A95074-6	3.4	4.0	2.0	3.0	2.5	2.0	2.2	1.0	2.5	9
15	BTX1544-2W/Y	3.8	2.0	3.3	4.0	1.5	2.5	3.1	1.5	2.7	7
16	CO94157-2W/Y	2.8	2.0	3.8	4.0	1.5	2.5	2.6	2.5	2.7	7
17	NDA5507-3YF	3.3	4.0	3.3	4.0	2.5	3.0	3.1	2.5	3.2	1
18	NY 126	3.9	---	4.0	3.0	2.0	3.0	3.3	1.5	3.0	5
19	VC1002-3W/Y	2.8	3.0	3.8	4.0	2.0	3.8	2.3	4.0	3.2	1
20	VC1009-1W/Y	2.8	5.0	2.5	4.0	1.5	3.0	2.2	2.5	2.9	6
21	VC1123-2W/Y	4.6	4.0	2.8	4.0	2.0	2.8	3.4	1.5	3.1	4
Mean		3.4	3.2	3.2	3.5	2.2	3.2	2.9	2.4	3.0	

Table 18. Foliar & Tuber Late Blight and Tuber Composition

Clone		L. Blight Foliar ¹	Tuber blight ²	Aberdeen, Idaho					
				Mean					
				Solids	Protein ³	Dextrose ⁴	Sucrose ⁴	Vitamin C ⁵	TGA ⁵
Red/White Flesh									
1	Dk. Red Norland	7,9,9	45	17.9	5.4	0.06	0.25	29.9	2.7
2	Red LaSoda	7,9,9	65	18.8	5.9	0.07	0.23	34.4	3.0
3	A96741-1R	8,9,9	23	17.1	6.0	0.05	0.35	34.1	1.5
4	A96741-2R	7,9,9	43	17.7	6.0	0.05	0.47	36.8	1.0
5	VC1075-1R	7,8,9	78	19.6	6.2	0.04	0.35	25.7	4.2
Red/Yellow Flesh									
6	VCO967-2R/Y	7,8,9	3	19.2	4.7	0.01	0.16	30.6	2.1
7	VC1015-7R/Y	7,8,9	16	18.3	6.7	0.03	0.38	28.6	1.4
Red/Red Flesh									
8	CO94183-1R/R	6,9,9	48	19.6	5.1	0.03	0.25	25.5	3.4
9	PA99P20-2	6,8,9	63	18.9	5.0	0.05	0.27	32.3	2.8
10	POR01PG20-12	6,8,8	23	20.5	5.4	0.04	0.23	27.7	3.2
Purple/Purple Flesh									
11	All Blue	7,8,8	59	19.9	4.7	0.04	0.27	26.2	4.1
12	CO94165-3P/P	7,8,9	35	20.2	5.3	0.01	0.16	26.6	4.0
Yellow/Yellow Flesh									
13	Yukon Gold	7,8,9	45	21.5	5.7	0.05	0.27	39.6	2.8
14	A95074-6	6,7,7	31	20.9	6.1	0.03	0.30	30.0	4.3
15	BTX1544-2W/Y	7,9,9	35	19.1	5.7	0.02	0.19	28.6	3.0
16	CO94157-2W/Y	6,8,9	13	23.2	5.7	0.02	0.20	35.9	2.2
17	NDA5507-3YF	4,7,7	13	19.2	5.6	0.03	0.14	34.1	4.3
18	NY 126	7,8,9	38	21.1	5.1	0.01	0.13	29.4	2.8
19	VC1002-3W/Y	6,7,8	13	20.7	5.7	0.02	0.21	24.8	2.7
20	VC1009-1W/Y	4,6,7	10	18.7	5.8	0.05	0.34	30.9	3.4
21	VC1123-2W/Y	6,7,7	50	20.5	5.4	0.04	0.31	24.8	1.6
Mean		7,9,9	36	19.6	5.6	0.04	0.26	30.3	2.9

^{1/} 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%

Ratings occurred on 9/16, 9/24, and 9/30 respectfully. Vales, Mosley & Yilma; Corvallis, OR.

^{2/} % of late blight infected tubers at harvest (10 randomly selected tubers). Mosley & Yilma; Corvallis, OR.

^{3/} % Dry Weight Basis

^{4/} % Fresh Weight Basis

^{5/} % Fresh Weight Basis (mg/100g)

Table 19. Culinary Tuber Quality and General Notes

Clone	Washington Culinary Quality ¹				Rank	Notes	
	Boiling	Baking	Micro	Total			
Red/White Flesh							
1	Dk. Red Norland	21.0	18.8	19.2	59.0	1	poor shape, poor skin x 2, bronzing
2	Red LaSoda	19.3	19.5	17.5	56.3	3	deep eyes x 5, big x 5, rough
3	A96741-1R	17.2	17.8	16.3	51.3	5	good shape x 4, some pears, smooth
4	A96741-2R	17.2	17.2	17.0	51.4	4	skinning x 3, sticky stolons, bronzing
5	VC1075-1R	19.3	18.8	20.0	58.1	2	small, flat, sprouting, nice, smooth
Red/Yellow Flesh							
6	VCO967-2R/Y	19.3	20.2	20.3	59.8	1	poor color x 3, flat x 2, drop x 3
7	VC1015-7R/Y	16.8	20.0	20.0	56.8	2	poor color x 3, RM, bronzing, poor
Red/Red Flesh							
8	CO94183-1R/R	19.5	18.0	18.8	56.3	1	GC, RM, bronzing, sticky stolon, good shape
9	PA99P20-2	17.9	16.3	19.0	53.2	3	poor shape x 4, pointy, poor appearance
10	POR01PG20-12	20.8	15.0	18.7	54.5	2	poor shape x 4, skinning x 3
Purple/Purple Flesh							
11	All Blue	18.6	19.2	19.3	57.1	1	small, rough, sticky stolons, crooks, poor
12	CO94165-3P/P	16.2	18.2	19.5	53.9	2	RM, bronzing, poor skin, varied shape
Yellow/Yellow Flesh							
13	Yukon Gold	21.7	22.2	20.5	64.4	1	nice x 3, smooth, scab, large size
14	A95074-6	19.2	20.0	19.7	58.9	5	rough x 4, poor x 3, skinning x 2
15	BTX1544-2W/Y	18.5	21.2	20.8	60.5	2	GC, flat, pty, pears x 3
16	CO94157-2W/Y	20.4	16.8	18.2	55.4	8	nice, smooth, RM, scaly, flat
17	NDA5507-3YF	19.7	20.3	20.2	60.2	3	nice shape, pears x 3, poor skin
18	NY 126	20.2	20.0	17.2	57.4	7	smooth, flat x 2, pears, russeted x 3
19	VC1002-3W/Y	19.2	19.8	20.2	59.2	4	russeting, small x 2, fair, nice
20	VC1009-1W/Y	19.2	16.7	17.2	53.1	9	skinning x 3, flat x 2, pears, smooth
21	VC1123-2W/Y	19.3	19.0	20.2	58.5	6	skinning x 3, flat x 2, scaly x 2, fair
Mean		19.1	18.8	19.0	56.9	3.4	

^{1/} Higher score = better quality, maximum = 25 per test. Knowles & Fuller, Pullman, WA.

Table 20. Summary

Clone	Field Data				Yield Qualities						Quality		Disposition 2005
	% Stand	HH/ BC	Vine Size	Vine Mat.	Total Yield	% 4-10	% >10	% <4	Yield <4-10 oz	% <4-10 oz	Specific gravity	Fresh Merit	
Red/White Flesh													
1	Dk. Red Norland	95	2	2.6	2.7	436	62	19	16	302	69	1.070	2.8
2	Red LaSoda	96	13	2.9	3.1	442	55	28	12	250	59	1.072	2.3
3	A96741-1R	97	0	3.0	3.4	460	66	11	24	354	78	1.069	3.7
4	A96741-2R	97	0	3.1	3.1	468	58	21	22	301	70	1.066	3.8
5	VC1075-1R	98	0	3.1	3.5	425	55	6	36	371	88	1.071	3.4
Red/Yellow Flesh													
6	VCO967-2R/Y	93	1	3.0	3.3	412	64	11	29	321	80	1.073	3.2
7	VC1015-7R/Y	96	0	2.8	2.8	379	65	16	20	274	75	1.072	2.7
Red/Red Flesh													
8	CO94183-1R/R	97	1	2.1	3.2	326	62	5	30	266	82	1.074	2.9
9	PA99P20-2	96	1	2.9	3.7	400	54	15	19	281	73	1.076	2.7
10	POR01PG20-12	98	1	3.2	4.0	382	55	7	33	323	86	1.081	3.0
Purple/Purple Flesh													
11	All Blue	98	0	4.0	4.2	398	54	3	42	325	83	1.078	2.4
12	CO94165-3P/P	98	1	2.7	2.8	430	59	4	39	371	87	1.078	3.4
Yellow/Yellow Flesh													
13	Yukon Gold	94	2	2.6	2.8	380	59	27	13	242	64	1.084	3.2
14	A95074-6	97	4	3.8	4.1	384	58	19	21	239	67	1.085	2.5
15	BTX1544-2W/Y	92	2	2.8	2.9	415	63	20	15	281	69	1.078	2.7
16	CO94157-2W/Y	90	1	2.5	3.4	345	53	3	43	286	85	1.085	2.7
17	NDA5507-3YF	96	1	3.8	3.5	459	65	12	24	336	77	1.076	3.2
18	NY 126	93	3	2.8	3.7	436	58	24	13	302	71	1.085	3.0
19	VC1002-3W/Y	97	2	3.7	3.8	419	58	5	39	352	86	1.084	3.2
20	VC1009-1W/Y	97	1	4.6	4.1	470	57	15	27	315	72	1.073	2.9
21	VC1123-2W/Y	96	2	3.9	4.0	459	60	23	16	294	66	1.079	3.1
Mean		96	1.8	3.1	3.4	486	59	14	25	304	75	1.071	3.1

Table 21. 3-Year Summary of Graduating Entries

Clone	Yield (cwt/a)					Culls	Total Yield (cwt/a)	Spec. Grav.	% HH & BC	Quality Rating ¹	Culinary Quality ²
	B's	4-6 oz	6-10 oz	Total	> 10						
Red/White Flesh											
1 Dk. Red Norland	57	108	166	331	100	31	462	1.067	3	2.8	58.3
2 Red LaSoda	39	79	166	284	157	43	484	1.070	9	2.2	54.5
3 Yukon Gold	39	82	147	268	121	22	411	1.082	4	3.2	63.9
4 All Blue	141	112	96	349	21	44	414	1.077	1	2.5	53.4
5 VCO967-2R/Y	94	136	139	369	46	20	435	1.073	1	3.2	57.0
6 CO94183-1R/R	87	111	116	314	27	27	368	1.075	1	3.1	54.1
7 CO94165-3P/P	145	140	126	411	20	29	460	1.077	3	3.4	51.6
8 BTX1544-2W/Y	45	97	163	305	94	35	434	1.077	7	2.8	58.8
9 NDA5507-3YF	75	135	180	390	83	32	505	1.075	3	3.0	58.4
10 VC1002-3W/Y	141	148	114	403	24	24	451	1.083	2	3.1	57.6

¹ Fresh Market Rating: 1 = Poor, 5 = Best

² Rating: Boiling, Baking, Microwave Test, Higher score = better quality; maximum = 25 per test

Table 22. Antioxidant Activity of Clones/Varieties as Determined by DPPH Assay¹ for 16 entries in the Western Regional Red/Specialty Trial grown near Springlake, Texas-2005.

Clone/Variety	µg Trolox equivalents/gfw²	µg ascorbic acid equivalents/gfw³
Red/White Flesh		
1 Dk. Red Norland	na	na
2 Red LaSoda	na	na
3 A96741-1R	139.1	135.9
4 A96741-2R	135.775	132.7
5 VC1075-1R	73.1	71.4
Red/Yellow Flesh		
6 VCO967-2R/Y	169.629	165.7
7 VC1015-7R/Y	271.1	264.9
Red/Red Flesh		
8 CO94183-1R/R	na	na
9 PA99P20-2	304.0	297.0
10 POR01PG20-12	299.667	292.8
Purple/Purple Flesh		
11 All Blue	283.4	276.9
12 CO94165-3P/P	556.236	543.5
Yellow Flesh		
13 Yukon Gold	122.0	119.2
14 A95074-6	107.151	104.7
15 BTX1544-2W/Y	96.4	94.2
16 CO94157-2W/Y	123.142	120.3
17 NDA5507-3YF	75.8	74.1
18 NY 126*	206.991	202.2
19 VC1002-3W/Y	120.5	117.7
20 VC1009-1W/Y	160.504	156.8
21 VC1123-2W/Y	128.6	125.6
Mean	184.4	180.2

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

^{2/} µg Trolox equivalents/gfw - Absorbance was converted to trolox equivalents based on a standard curve using the following equation: y=891.69x.

^{3/} µg Ascorbic acid equivalents/gfw - Absorbance was converted to ascorbic acid equivalents based on a standard curve using the following equation: y=871.24x.

* National entry.

Table 23. Storage Evaluation - 2004 Western Regional Red Specialty Trial - Tulelake

Date	Shatter Bruise (%)	Cumulative Rot (%)			Cumulative Shrink (%)			Turger Rating (1-5)			Sprout Rating (1-5)			Relative Storage Merit Score (1-5)		
	11/3/04	11/3/04	1/5/05	3/10/05	11/3/04	1/5/05	3/10/05	11/3/04	1/5/05	3/10/05	11/3/04	1/5/05	3/10/05	11/3/04	1/5/05	3/10/05
Variety	34 DAP	34 DAP	97 DAP	161 DAP	34 DAP	97 DAP	161 DAP	34 DAP	97 DAP	161 DAP	34 DAP	97 DAP	161 DAP	34 DAP	97 DAP	161 DAP
1 Dark Red Norland	3.0	0.0	0.0	0.0	4.9	9.0	12.1	5.0	4.0	4.0	5.0	5.0	3.5	5.0	5.0	3.5
2 Red LaSoda	4.0	0.0	0.0	2.6	4.0	7.1	9.2	5.0	4.5	4.0	5.0	5.0	4.0	5.0	5.0	4.0
3 AO93487-2R	3.5	0.0	0.0	0.0	5.7	9.8	13.5	5.0	4.0	3.0	5.0	5.0	4.5	5.0	5.0	2.5
4 CO93037-6R	2.5	0.0	0.0	0.0	5.0	8.6	11.7	5.0	4.0	3.5	5.0	5.0	5.0	5.0	5.0	4.0
5 NDTX4304-1R	3.5	0.0	0.0	0.0	5.7	10.9	14.9	5.0	4.0	2.5	5.0	5.0	4.0	5.0	4.5	2.0
6 VC0967-2R/Y	3.0	0.0	0.0	0.0	3.7	6.2	8.5	5.0	4.0	4.0	5.0	5.0	4.0	5.0	5.0	5.0
7 CO94183-1R/R	2.0	0.0	0.0	0.0	4.6	9.7	13.3	5.0	4.5	4.0	5.0	5.0	4.0	5.0	5.0	4.0
8 All Blue	4.5	0.0	0.0	0.0	2.7	4.6	6.4	5.0	5.0	5.0	5.0	5.0	4.5	5.0	5.0	5.0
9 CO94165-3P/P	4.5	0.3	1.0	1.0	3.0	6.0	8.1	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
10 Yukon Gold	4.0	0.0	0.0	0.0	3.3	4.9	6.3	5.0	5.0	5.0	5.0	5.0	4.0	5.0	5.0	5.0
11 NDA5507-3YF	4.0	0.0	0.0	0.0	3.2	5.0	6.9	5.0	5.0	4.5	5.0	5.0	4.0	5.0	5.0	5.0
12 VC1002-3W/Y	5.0	0.0	0.0	0.0	3.3	5.9	7.5	5.0	5.0	5.0	5.0	4.5	4.0	5.0	5.0	5.0
13 BTX 1544-2W/Y	3.5	0.0	0.0	0.0	3.1	6.0	8.3	5.0	5.0	4.0	5.0	5.0	4.0	5.0	5.0	4.0
14 A96741-1R	3.0	0.0	0.0	2.1	5.2	7.9	11.4	5.0	4.5	3.5	5.0	5.0	4.0	5.0	5.0	4.0
15 A96741-2R	3.0	0.0	0.0	1.6	4.7	8.9	11.8	5.0	4.5	4.0	5.0	5.0	4.0	5.0	5.0	4.0
16 A95074-6	4.5	0.0	0.0	0.0	4.5	7.2	9.9	5.0	5.0	4.0	5.0	5.0	4.0	5.0	5.0	4.5
17 VC1009-1W/Y	3.5	0.0	0.0	0.0	4.8	7.6	9.7	5.0	4.5	4.0	5.0	5.0	4.0	5.0	5.0	4.5
18 VC1015-7R/Y	4.0	0.0	0.0	0.0	3.4	6.8	9.4	5.0	5.0	4.0	5.0	5.0	4.0	5.0	5.0	4.5
19 VC1075-1R	2.5	0.0	0.0	1.1	5.7	9.4	13.7	4.0	4.0	3.0	5.0	5.0	4.0	5.0	5.0	3.0