

2003 TRI-STATE POTATO VARIETY TRIAL REPORT

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Compiled by Peggy Bain

TABLE 1: 2003 Tri-State Potato Variety Trial - LOCATIONS, COOPERATORS, AND CULTURAL INFORMATION

Locations	Cooperators	Trial	Irrigation	Fertilizer N-P-K-S(lb/A)	Planting Date	Vine Kill Date	Harvest Date	Days to Vine Kill	Days to Harvest	Herbicides	Insecticides	Fungicides
Aberdeen Idaho (ID)	S. Love J. Whitworth R. Novy T. Salaiz P. Bain	Late	Sprink.	190-80-250	28-Apr	4-Sep	18-Sep	129	143	Sencor DF Matrix Eptam 7E	Admire 2F	Bravo Curzate
Hermiston Oregon (OR)	D. Hane, A. Mosley L. Leroux	Late	Pivot	330-80-250-40	8-Apr	10-Sep	22-Sep	155	167	Eptam Matrix	MoCap Admire Monitor Comite	Vapam Ridomil Gold Quadris Bravo Dithane Rovral 4E
Pasco (EWA) Washington	R. Thornton, R. Knowles G. Newberry E. Driskill Nora Fuller Balcom & Moe	Early	Pivot	379-200-200-66	1-Apr	4-Aug	26-Aug	125	147	Prowl Sencor Trifluran 4	Telone II Sectagon 42 Asana XL Leverage Dimethoate	Bravo Ultrex Curzate Dithane DF Blocker 4F Omega 500F
Othello (LWA) Washington	R. Thornton R. Knowles G. Newberry E. Driskill Nora Fuller Johnson Agri.	Late	Pivot	326-120-0-106	22-Apr	22-Sep	22-Sep	153	153	Matrix	Temik K-Pam Comite Monitor Sevin XLR	Omega Dithane Moncut Echo 90 DF Botran 5F Headline

TABLE 2: 2003 Tri-State Potato Variety Trial - CLONE, PARENTS, FLOWER COLOR, ENTERED BY, SEED SOURCE, STAND, TUBER AND VINE CHARACTERISTICS, STEMS PER PLANT

No	Clone	Parents	Flower Color	Entered by	Use	Trial Year	Seed Source	Mean Stand %	Tuber		Vine		Stems/ Plant
									Shape	Skin	Size	Maturity	
1	Ranger Russet	Butte A6595-3	Med Red-purple	Check	Dual	Ck	OR	97	Long	Med-russet	Med-large	Medium	2.1
2	Russet Burbank	Early Rose ?	White	Check	Dual	Ck	OR	96	Long	Med-russet	Med-large	Medium	2.3
3	Russet Norkotah	ND9687-5 Ru ND9526-4 Ru	White	Check	Fresh	Ck	OR		Oblong	Med-heavy	Small	Early	-
4	Shepody	Bake King F58050	Lt . Pink	Check	Proc	Ck	OR		Blocky	White	Mediun	Early	-
5	A94053-5	A86332-7 A84430-5	White	ID	Dual	2	OR	95	Blocky	Heavy Russet	Mediun	Medium	2.2
6	A95074-6	Agria Summit R	White	ID	Dual	1	ID	95	Oblong	Lt russet	Large	Med-late	2.4
7	A95109-1	A8893-1 Summit R	White	ID	Dual	1	ID	97	Oblong	Med-russet	Small	Early	2.3
8	A95409-1	A89146-8 Ranger	Red-Purple	ID	Proc	1	ID	93	Oblong	Lt russet	Large	Medium	1.9
9	AO96160-3	A89384-10 A89512-3	Red-Purple	OR	Dual	1	OR	93	Oblong	Med-heavy	Mediun	Med-late	1.8
10	AO96164-1	A89384-10 A91194-4	White	OR	Dual	1	OR	94	Long	Med-heavy	Mediun	Medium	2.3
11	AOA95154-1	Bannock A89152-4	Med Red-purple	ID	Dual	1	ID	96	Oblong	Med-russet	Very large	Late	2.7
12	AOA95155-7	Bannock A89163-3LS	Red-Purple	ID	Dual	1	ID	96	Oblong	Med-russet	Mediun	Late	2.2

VR=very resistant, R=Resistant, MR=Moderately resistant, MS=moderately susceptible, S=susceptible VS=very susceptible.

TABLE 3: 2003 Tri-State Potato Variety Trial - TOTAL YIELD (CWT/A) - EARLY AND LATE HARVEST

No.	Clone	Total Yield - Early Harvest (CWT/A)			Total Yield - Late Harvest (CWT/A)			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	467	467	6	409	979	665	684	6
2	Russet Burbank	496	496	5	333	958	699	663	8
3	Russet Norkotah	617	617	1	.	-	-	-	-
4	Shepody	344	344	12	.	-	-	-	-
5	A94053-5	410	410	9	347	623	599	523	10
6	A95074-6	403	403	10	388	1127	617	711	4
7	A95109-1	550	550	3	390	1086	656	711	3
8	A95409-1	437	437	7	412	1023	732	722	2
9	AO96160-3	367	367	11	370	1014	654	679	7
10	AO96164-1	605	605	2	413	1168	737	773	1
11	AOA95154-1	499	499	4	369	964	753	695	5
12	AOA95155-7	419	419	8	318	729	590	546	9
Location Means		468	468		375	967	670	671	
LSD (.05)								NS	

TABLE 4: 2003 Tri-State Potato Variety Trial - YIELD OF U.S. #1'S (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	U.S. No. 1's - Early Harvest (CWT/A)/%			U.S. No. 1's - Late Harvest (CWT/A)/%			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	376	376	5	333	756	576	555	7
		80	80	8	81	77	87	82	5
2	Russet Burbank	308	308	10	196	427	467	363	10
		62	62	12	59	45	67	57	10
3	Russet Norkotah	523	523	2	.	-	-	-	-
		85	85	3	.	-	-	-	-
4	Shepody	280	280	11	.	-	-	-	-
		81	81	7	.	-	-	-	-
5	A94053-5	315	315	8	241	388	484	371	9
		77	77	9	69	62	81	71	9
6	A95074-6	308	308	9	311	946	431	563	6
		76	76	10	80	84	70	78	8
7	A95109-1	514	514	3	343	802	602	582	4
		93	93	1	88	74	92	85	3
8	A95409-1	367	367	6	371	957	634	654	1
		84	84	4	90	94	86	90	1
9	AO96160-3	276	276	12	314	908	568	597	3
		75	75	11	85	90	87	87	2
10	AO96164-1	528	528	1	351	926	632	636	2
		87	87	2	85	79	86	83	4
11	AOA95154-1	409	409	4	278	819	632	576	5
		82	82	6	75	85	84	81	6
12	AOA95155-7	349	349	7	228	557	524	436	8
		83	83	5	72	76	89	79	7
Location Means		379	379		297	749	555	533	
		81	81		78	77	83	79	
LSD (.05)								180	

TABLE 5: 2003 Tri-State Potato Variety Trial - YIELD > 12 OZ (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	U.S. No. 1's > 12 OZ - Early Harvest (CWT/A)/%			U.S. No. 1's >12 OZ - Late Harvest (CWT/A)/%			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	101	101	3	128	452	232	271	4
		22	22	3	31	46	35	37	3
2	Russet Burbank	31	31	11	15	121	79	72	10
		6	6	11	5	13	11	10	10
3	Russet Norkotah	99	99	4	.	-	-	-	-
		16	16	5	.	-	-	-	-
4	Shepody	45	45	9	.	-	-	-	-
		13	13	7	.	-	-	-	-
5	A94053-5	64	64	6	12	96	114	74	9
		16	16	6	3	15	19	12	9
6	A95074-6	44	44	10	85	462	167	238	5
		11	11	9	22	41	27	30	5
7	A95109-1	215	215	1	23	565	252	280	3
		39	39	1	6	52	38	32	4
8	A95409-1	91	91	5	184	716	351	417	1
		21	21	4	45	70	48	54	1
9	AO96160-3	20	20	12	21	384	87	164	7
		5	5	12	6	38	13	19	7
10	AO96164-1	164	164	2	101	581	298	327	2
		27	27	2	24	50	41	38	2
11	AOA95154-1	48	48	8	23	301	193	172	6
		10	10	10	6	31	26	21	6
12	AOA95155-7	54	54	7	11	190	135	112	8
		13	13	8	3	26	23	17	8
Location Means		81	81		60	387	191	213	
LSD (.05)		17	17		15	38	28	27	155

TABLE 6: 2003 Tri-State Potato Variety Trial - YIELD < 4 OZ (CWT/A & %) - EARLY AND LATE HARVEST

No.	Clone	Yield < 4 OZ - Early Harvest (CWT/A)/%			U.S. No. 1's < 4 OZ - Late Harvest (CWT/A)/%			Entry Mean	Rank
		(EWA)	Entry Mean	Rank	(ID)	(OR)	(LWA)		
1	Ranger Russet	71	71	6	54	32	53	46	6
		15	15	5	13	3	8	8	8
2	Russet Burbank	104	104	12	88	116	74	93	10
		21	21	9	26	12	11	16	10
3	Russet Norkotah	82	82	7	.	-	-	-	-
		13	13	4	.	-	-	-	-
4	Shepody	39	39	2	.	-	-	-	-
		11	11	3	.	-	-	-	-
5	A94053-5	90	90	11	56	83	72	70	9
		22	22	11	16	13	12	14	9
6	A95074-6	88	88	9	30	69	53	51	7
		22	22	10	8	6	9	8	7
7	A95109-1	31	31	1	9	44	22	25	2
		6	6	1	2	4	3	3	1
8	A95409-1	69	69	5	25	14	31	23	1
		16	16	7	6	1	4	4	2
9	AO96160-3	89	89	10	6	35	66	36	3
		24	24	12	2	3	10	5	3
10	AO96164-1	60	60	3	25	57	45	42	5
		10	10	2	6	5	6	6	4
11	AOA95154-1	83	83	8	7	85	67	53	8
		17	17	8	2	9	9	7	5
12	AOA95155-7	65	65	4	21	54	47	41	4
		15	15	6	7	7	8	7	6
Location Means		73	73		32	59	53	48	
LSD (.05)		16	16		9	6	8	8	29.8

TABLE 7: 2003 Tri-State Potato Variety Trial - SPECIFIC GRAVITY - EARLY AND LATE HARVEST

No.	Clone	Specific Gravity - Early Harvest		Specific Gravity - Late Harvest				Rank
		EWA	Rank	ID	OR	LWA	Entry Mean	
1	Ranger Russet	1.076	10	1.082	1.072	1.084	1.079	6
2	Russet Burbank	1.077	8	1.072	1.066	1.076	1.071	10
3	Russet Norkotah	1.073	11	.	-	-	-	-
4	Shepody	1.083	5	.	-	-	-	-
5	A94053-5	1.088	1	1.091	1.075	1.090	1.085	1
6	A95074-6	1.085	3	1.078	1.078	1.087	1.081	3
7	A95109-1	1.077	8	1.072	1.067	1.076	1.072	9
8	A95409-1	1.085	4	1.083	1.074	1.083	1.080	5
9	AO96160-3	1.081	6	1.079	1.076	1.085	1.080	4
10	AO96164-1	1.073	11	1.072	1.069	1.077	1.073	8
11	AOA95154-1	1.087	2	1.088	1.074	1.089	1.084	2
12	AOA95155-7	1.078	7	1.080	1.062	1.084	1.075	7
Location Means		1.080		1.080	1.071	1.083	1.078	
LSD (0.5)							0.006	

TABLE 8: 2003 Tri-State Potato Variety Trial - AVERAGE TUBER SIZE, AND TUBER SHAPE

No. Clone	Average Tuber Size (oz)					Tuber Shape (1-5, 1 = round, 5 = long)				
	WA	ID	OR	WA	Entry	WA	ID	OR	WA	Entry
	Pasco E	L	L	Connell L	Mean Late only	Pasco E	L	L	Connell L	Mean
1 Ranger Russet	6.3	8.6	10.6	8.1	9.1	4.7	5.0	5.0	5.0	4.9
2 Russet Burbank	5.5	5.8	6.6	6.7	6.4	4.0	4.0	5.0	4.0	4.3
3 Russet Norkotah	6.2	.	-	-	6.2	4.0	.	-	-	4.0
4 Shepody	6.6	.	-	-	6.6	3.0	.	-	-	3.0
5 A94053-5	5.5	5.8	6.3	4.0	5.4	3.2	2.3	4.8	3.0	3.3
6 A95074-6	5.2	6.7	8.9	8.0	7.9	3.0	3.8	4.0	3.3	3.5
7 A95109-1	8.5	6.5	11.1	9.2	8.9	4.3	4.0	4.2	3.0	3.9
8 A95409-1	6.2	9.5	13.2	10.1	10.9	3.5	3.8	4.2	3.0	3.6
9 AO96160-3	5.0	5.7	9.1	6.5	7.1	4.0	4.0	4.2	3.0	3.8
10 AO96164-1	7.2	7.2	10.1	8.8	8.7	4.3	4.5	4.2	4.0	4.3
11 AOA95154-1	5.6	4.9	7.4	7.4	6.6	3.0	3.8	4.2	3.0	3.5
12 AOA95155-7	6.1	4.9	7.6	7.5	6.7	3.0	3.0	4.8	3.3	3.5
Location Means	6.2	6.6	9.1	7.6	7.8	3.7	3.8	4.5	3.5	3.9
LSD (0.5)					1.6					0.83

TABLE 9: 2003 Tri-State Potato Variety Trial - EXTERNAL DEFECTS - GROWTH CRACKS, SECOND GROWTH, SHATTER BRUISE, SCAB - MEANS OF LOCATIONS

No. Clone	Growth Cracks ¹		Second Growth ¹		Shatter Bruise ¹			Scab ¹	
	Early	Late	Early	Late	Early	Late	AB ²	Early	Late
1 Ranger Russet	4.8	3.9	4.8	4.1	4.8	4.5	3.3	5.0	3.7
2 Russet Burbank	2.7	2.7	2.7	2.0	3.5	4.4	2.9	5.0	3.9
3 Russet Norkotah	5.0	-	5.0	-	4.8	-	.	5.0	-
4 Shepody	4.5	-	5.0	-	4.3	-	.	4.0	-
5 A94053-5	5.0	3.4	5.0	4.5	4.3	4.3	3.0	5.0	4.6
6 A95074-6	5.0	4.8	5.0	4.5	4.8	4.7	2.9	5.0	3.7
7 A95109-1	5.0	4.3	5.0	4.9	4.0	4.7	2.6	5.0	4.7
8 A95409-1	5.0	4.2	5.0	4.4	4.5	4.1	3.9	5.0	3.7
9 AO96160-3	5.0	4.9	5.0	4.9	2.3	4.5	3.1	5.0	4.3
10 AO96164-1	5.0	4.8	5.0	4.6	4.3	4.2	2.4	5.0	3.8
11 AOA95154-1	5.0	5.0	5.0	4.9	4.0	4.5	3.2	5.0	4.6
12 AOA95155-7	5.0	4.3	5.0	4.9	4.5	4.7	2.8	5.0	3.9
LSD (.05)	1.4		NS					NS	

¹ Score 1-5, with 1=severe, 5=none.

² Aberdeen shatter scores obtained from bruise evaluation conducted using a shatter chamber [1-5(none)].

TABLE 10: 2003 Tri-State Potato Variety Trial - INTERNAL DEFECTS - HOLLOW HEART PLUS BROWN CENTER, INTERNAL BROWN SPOT, VASCULAR DISCOLORATION/NET NECROSIS, BLACKSPOT - MEANS OF LOCATIONS

No.	Clone	Percent Hollow Heart plus Brown Center		Percent Internal Brown Spot		Percent Net Necrosis/ Vascular Discoloration		Blackspot Bruise ¹		
		Early	Late	Early	Late	Early	Late	Early	Late	AB ²
1	Ranger Russet	0.0	1.1	0.0	2.0	n/a	7.0	4.8	3.8	2.0
2	Russet Burbank	0.0	10.7	0.0	1.7	n/a	3.5	3.6	5.0	2.8
3	Russet Norkotah	2.9	-	2.9	-	n/a	-	5.0	-	.
4	Shepody	0.0	-	0.0	-	n/a	-	5.0	-	.
5	A94053-5	0.0	3.3	0.0	2.2	n/a	24.0	4.8	4.6	2.7
6	A95074-6	0.0	3.9	0.0	0.0	n/a	3.5	4.7	4.8	3.4
7	A95109-1	0.0	0.3	0.0	0.3	n/a	3.0	4.9	5.0	2.5
8	A95409-1	0.0	1.3	0.0	1.3	n/a	3.0	4.2	4.3	2.3
9	AO96160-3	0.0	0.0	0.0	1.0	n/a	6.5	5.0	4.3	3.3
10	AO96164-1	0.0	0.0	0.0	0.7	n/a	6.5	5.0	4.5	2.5
11	AOA95154-1	0.0	1.0	0.0	19.0	n/a	1.5	4.2	4.8	2.9
12	AOA95155-7	0.0	1.0	0.0	1.5	n/a	4.5	5.0	5.0	4.1
Means		0.2	2.3	0.2	3.0		6.3	4.7	4.6	2.9
LSD (.05)			NS		NS		NS			

¹ Score 1-5, with 1=severe, 5=none.

² Aberdeen blackspot scores from an abrasive peel test [1-5(none)].

TABLE 11: 2003 Tri-State Potato Variety Trial - FRENCH FRY COLOR (00-4.0(darkest)), AND PERCENT SUGAR ENDS

No. Clone	Fry 45°					Fry 40°			% Sugar Ends		
	ID ¹	HRM ²	LWA ³	Mean	Rank	ID ¹	LWA ³	Mean	ID	HRM	Entry Mean
1 Ranger Russet	1.6	0.8	1.5	1.3	7	3.2	3.0	3.1	58	3	31
2 Russet Burbank	1.5	1.8	1.5	1.6	8	3.8	3.5	3.7	42	30	36
3 Russet Norkotah	.	-	-	-	-	-	-
4 Shepody	.	-	-	-	-	-	-
5 A94053-5	0.9	0.0	0.0	0.3	1	2.3	0.5	1.4	50	0	25
6 A95074-6	0.5	0.3	1.0	0.6	4	2.9	2.5	2.7	9	0	5
7 A95109-1	2.2	1.5	1.5	1.7	10	3.9	3.0	3.5	38	3	21
8 A95409-1	1.8	1.2	2.0	1.7	9	3.1	3.0	3.1	17	0	9
9 AO96160-3	0.6	0.2	1.0	0.6	4	2.9	2.5	2.7	17	0	9
10 AO96164-1	1.5	0.3	0.0	0.6	4	2.5	1.0	1.8	46	0	23
11 AOA95154-1	0.4	0.5	0.0	0.3	1	1.5	1.5	1.5	9	0	5
12 AOA95155-7	0.9	0.1	0.5	0.5	3	2.2	2.0	2.1	20	0	10
Location Means	1.2	0.7	0.9	0.9		2.8	2.3	2.5	31	4	17

¹ Samples held for 4 week cool down period - 6 weeks at storage temperature.

² Samples held for 4 week cool down period - 4 weeks at storage temperature.

³ Samples held for 63 days at 44 or 40°F - For complete postharvest results see <http://www.wsu.edu/~fullern>

TABLE 12: 2003 Tri-State Potato Variety Trial - DISEASE EVALUATIONS, METRIBUZIN REACTION

No. Clone	Vert. Wilt/ Early Dying		Early Blight	Late Blight		Common Scab	Net Necrosis		Corky Ringspot	Root- knot	Erwinia Soft Rot	Metr. Reaction
	AB ¹	HERM ²		AB ¹	CORV ³		Tuber CORV ³	AB ¹				
	0-9	0-9	0-9	0-9	% by Wt.	(%)	(%)	(%)	(%)	(%)	0-5	AB ⁶
1 Ranger	4.3	6.6	5.3	9	25	10	12	23	27	S	1.4	-
2 R. Burbank	-	8.9	-	9	10	-	16	3	35	S	-	R
3 R. Norkotah	8.7	-	8.0	9	23	0	29	-	13	S	-	VR
4 Shepody	6.0	-	6.8	9	23	59	8	-	67	S	1.7	VS
5 A94053-5	3.5	7.3	5.5	9	9	0	23	63	33	S	1.8	S
6 A95074-6	5.0	7.4	5.5	-	-	2	4	15	0	S	1.8	MS
7 A95109-1	6.5	6.8	6.2	9	18	2	13	28	40	S	2.5	MR
8 A95409-1	-	7.5	-	9	32	-	5	3	50	S	-	VR
9 AO96160-3	5.7	5.0	6.3	9	0	1	-	25	63	S	3.5	S
10 AO96164-1	5.2	8.5	6.3	9	5	0	-	0	53	S	1.1	MR
11 AOA95154-1	3.0	2.5	4.5	9	3	0	11	38	63	S	1.4	VR
12 AOA95155-7	2.3	4.0	4.2	9	15	0	2	5	33	S	2.2	MR
MEANS	5.0	6.5	5.9	9.0	14.8	7.4	12.3	20.0			1.9	
LSD (.05)	1.0		1.4			11.0					2.0	

¹ Evaluations made at Aberdeen, Idaho by Jonathan Whitworth; scale as indicated with highest number being most severe.

² Evaluations made at Hermiston, Oregon by Dan Hane; scale as indicated with highest number being most severe.

³ Evaluations made at Corvallis, Oregon by Al Mosley; scale as indicated with highest number being most severe.

⁴ Mount Vernon, Washington by Debbie Inglis; AUDPC = area under disease progress curve. (No disease to report, due to drought)

⁵ Evaluations made at Prosser, Washington by Chuck Brown:

⁶ Metribuzin Reaction measured at Aberdeen, Idaho By Steve Love

R=resistant, MR=moderately resistant, MS=moderately susceptible, S=suceptible.

TABLE 13: 2003 Tri-State Potato Variety Trial - MERIT SCORES (1-5(best))

No.	Clone	Process				Early WA	Fresh				
		ID	OR	MEANS	RANK		ID	OR	WA	MEANS	RANK
1	Ranger Russet	3.5	4.0	3.8	1	3.0	2.5	2.0	4.0	2.8	6
2	Russet Burbank	2.5	1.0	1.8	10	1.0	1.8	1.0	1.0	1.3	10
3	Russet Norkotah	-	-	-	-	4.0	.	-	-	-	-
4	Shepody	-	-	-	-	2.0	.	-	-	-	-
5	A94053-5	2.0	3.0	2.5	7	3.0	2.3	2.0	1.0	1.8	9
6	A95074-6	3.8	3.0	3.4	3	4.0	3.8	2.0	2.0	2.6	8
7	A95109-1	3.0	2.0	2.5	7	5.0	4.3	1.0	3.0	2.8	7
8	A95409-1	3.0	3.0	3.0	5	4.0	3.8	1.0	4.0	2.9	5
9	AO96160-3	3.5	4.0	3.8	1	1.0	4.5	3.0	5.0	4.2	1
10	AO96164-1	2.8	3.0	2.9	6	5.0	4.0	3.0	3.0	3.3	2
11	AOA95154-1	3.8	1.0	2.4	9	5.0	3.5	1.0	5.0	3.2	3
12	AOA95155-7	3.5	3.0	3.3	4	3.0	3.4	4.0	2.0	3.1	4
Location Means		3.1	2.7	2.9		3.3	3.4	2.0	3.0	2.9	

TABLE 14: 2003 Tri-State Potato Variety Trial - SUMMARY

Clone	Year in		Yield		% US#1's		Tuber Size		Specific Gravity		Fry Color		P F	Merit Score	Problems	E/ L	Dis
	Trial	Use	Late	Early	US#1's	US#2's	Size	Shape	Grav	Grav	Color	Quality					
1 Ranger	CK	Dual	684	med-high	555 82	medium	9.1	large	79	medium	1.3	good	3.8 2.8	good	blackspot, Scab, sugar ends		
2 R. Burbank	Ck	Dual	663	med-high	363 57	low	6.4	med-small	71	low	1.6	good	1.8 1.3	fair	GC, HH SE, low specific gravity		
E* Norkotah	Ck	Fresh	617	medium	523 85	medium	6.2	med-small	73	low	-		4	good	low specific gravity		
E* Shepody	Ck	Proc	344	low	280 81	high	6.6	medium	83	medium	-		2	poor	low yield		
5 A94053-5	2	Dual	523	med-low	371 71	med-low	5.4	small	85	med-high	0.3	excellent	2.5 1.8	poor	susc. to metr., GC and NN, small		drop
6 A95074-6	1	Dual	711	high	563 78	medium	7.9	med-large	81	medium	0.6	excellent	3.4 2.6	good	scab		adv
7 A95109-1	1	Dual	711	high	582 85	high	8.9	large	72	low	1.7	good	2.5 2.8	fair	low SG, dark fries		adv
8 A95409-1	1	Proc	722	high	654 90	very high	10.9	very large	80	medium	1.7	good	3.0 2.9	good	susc. to BS, scab		return
9 AO96160-3	1	Dual	679	med-high	597 87	high	7.1	med-large	80	medium	0.6	excellent	3.8 4.2	very good	susc. to metr.		adv
10 AO96164-1	1	Dual	773	very high	636 83	medium	8.7	large	73	low	0.6	good	2.9 3.3	good	low SG, susc. to shatter, scab, vert		return
11 AOA95154-1	1	Dual	695	med-high	576 81	medium	6.6	medium	84	med-high	0.3	excellent	2.4 3.2	good	IBS		return
12 AOA95155-7	1	Dual	546	med-low	436 79	medium	6.7	medium	75	low	0.5	excellent	3.3 3.1	good	low yield		return