

Table 1. 2011-2012 SOUTHERN SACRAMENTO VALLEY SMALL GRAINS RESEARCH

Over Locations Summary by Variety Sorted By Yield											Adams Grading Results (NQI)			Duncan's Means@5% Separation
University of California Cooperative Extension - Kent L. Brittan											Falling No. (min)	Protein (%)	Test Weight (lbs./bu)	
Variety	Grain Color	Stand (Plants/ft2)	Days to Heading	Plant Height (in)	Lodging (harvest)	Rating (1-8) ¹			Powdery					
						Stripe	Rust	BYDV	Septoria	Mildew				
Trical Brand 118	TR	28	153	40	0	1	1	1	1.0	NT	11.7	58.5	7775	A
Trical Brand 115	TR	28	159	38	0	1	1	1	1.0	NT	12.1	58.5	7466	B
Trical Brand 158EP	TR	29	158	38	0	1	1	1	1.0	NT	11.6	58.4	7449	B
Camelot	TR	26	151	43	0	1	1	1	1.0	NT	12.9	57.7	7214	B
Summit 515	HR	26	154	36	0	1	1	1	1.3	338	11.7	62.4	6912	C
Blanca Grande 515	HW	25	150	37	0	1	1	1	1.0	328	11.9	64.4	6623	D
Blanca Royale	HW	29	153	34	0	1	1	1	1.0	417	12.4	61.6	6483	D
Cal Rojo	HR	26	153	33	0	1	1	1	1.0	389	12.0	60.6	6363	DE
SY314	HR	25	157	36	0	1	1	1	1.0	348	12.0	60.2	6192	E
Redwing	HR	28	155	34	1	4	1	1	1.0	385	12.1	59.7	6111	EF
Rockland	HR	28	153	33	0	1	2	1	1.0	402	13.2	63.0	6085	EF
Patwin	HW	28	161	36	0	1	3	1	1.0	402	12.6	60.0	5890	FG
WB-Cristallo	HW	26	158	37	2	2	2	1	1.0	392	11.9	62.0	5775	G
Fortissimo	DR	23	163	33	0	1	1	1	1.0	408	12.6	61.3	5624	G
Volante	DR	22	163	33	0	1	1	1	1.0	424	12.6	62.1	4687	H
Average		27	156	36	0	1	1	1	1.0	385	12.2	60.7	6443	
C.V.		9.9	0.98	1.8	529.9	36	16	7	NA	12.8	5.3	1.3	4.9	
L.S.D @5%		2.1	1.2	0.5	0.8	0.4	0.17	0.1		40.0	0.5	0.6	257.4	
Significance by Location		**	**	**		**	**			**			**	
Significance by Variety		**	**	**	**	**	**			**	**	**	**	
Significance by Interaction		**	**	**	**	**	**				**	**	**	

2 Factor Factorial Analysis - Location, A = Variety
 ** = significant 99% of the time * = significant 95% of the time

¹ Foliar Disease Rating (1-8): 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%

Grain color/type: **HR** = Hard Red Wheat **DR** =Hard Durum
TR = Triticale NT = measurement not taken

No significant Lodging, Shatter, Leaf Rust, Loose Smut detected NQI = National Quality Inspections, Inc.

Excellent	Dk. Green
Very Good	Lt. Green
Check	Lt. Yellow
Caution	Yellow
Problem	Lt. Red
Not recommended	Dk. Red

Table 2.

2012 UC COOPERATIVE EXTENSION E & H FARMS WHEAT VARIETY TRIAL

Funded by the California Wheat Commission

Cooperators: Craig Gnos, and Sam Beukelman
Experimenters: Kent Brittan, Jorge Dubcovsky, Mark Kochi, Syngenta, West Bread (Monsanto) and John Gilbert of Adams Grain
Soil Type: Brentwood clay loam
Planting Date: November 10-11, 2011
Planting Method: Drilled with 26 row, 6"spacing double disk Great Plains grain drill planted flat
Previous Crop: Processing tomatoes
Fertilizer: Pre-plant 100lbs/ac anhydrous ammonium, topdress 80lbs/ac urea. Total 118.8lbs N/ac applied
Herbicide: 0.5pts MCPA/ac
Location: Three-quarters mile north of Sievers Rd. on Curry Rd. and just to the east of walnut trees along the roadside and north of Dixon.

Harvest Date: June 26, 2012
Irrigation: 1 Irr Dec.
Length of Plots: 126 feet
Plot Width: 9 feet
No. of drill rows: 14 rows
Replications: 3
Field Variety: WB-Cristallo
Planting Rate: 120 Lbs./Acre

2011 to 2012 E & H Farms Wheat Variety Trial Summary Sorted by Yield

Variety	Grain Type	Stand (Plants/ft ²)	Days to Heading	Plant Height (in)	Harvest Lodging (%)	Stripe	Leaf		Septoria	Grain Moisture (%)	Test Weight (lbs./bu)	Adams Grain Grade (NQI)			Yield (lbs./ac)	Duncan's Means@5% Separation	
						Rust	Rust	BYDV	Blotch			Falling No. (min.) ²	Dockage	GRADE (average)			Protein (%)
						¹ Disease Rating (1-8)											
Trical Brand 158EP	TR	36	152	40	0	1	1	1	1	9.1	57.9	NT	0.6	1 TRITICALE	12.1	8255	A
Trical Brand 118	TR	34	147	40	0	1	1	1	1	9.4	57.7	NT	0.7	2 TRITICALE	11.6	8154	A
Trical Brand 115	TR	34	153	37	0	1	1	1	1	9.0	58.5	NT	0.6	1 TRITICALE	12.6	7674	B
Summit 515	HR	31	152	37	0	1	1	1	1	9.5	62.7	402	0.4	1 HRW	12.1	7415	C
Camelot	TR	28	150	44	0	1	1	1	1	9.0	56.4	NT	0.6	1 TRITICALE	13.1	7328	C
Rockland	HR	34	152	35	0	1	1	1	1	9.5	63.4	435	0.4	3 HRW	13.2	7101	D
Blanca Grande 515	HW	29	148	37	0	1	1	1	1	10.0	64.7	386	0.5	3 HDWH	12.4	6991	DE
Cal Rojo	HR	29	151	36	0	1	1	1	1	10.0	60.7	420	0.5	2 HRW	11.7	6927	EF
Blanca Royale	HW	34	149	34	0	1	1	1	1	9.8	62.0	528	0.4	3 HDWH	12.8	6927	EF
Redwing	HR	33	153	36	0	2	1	1	1	9.0	60.0	446	0.5	2 HRW	12.2	6899	EF
SY314	HR	29	153	39	0	1	1	1	1	9.7	59.3	382	0.5	3 HRW	12.4	6807	F
WB-Cristallo	HW	30	154	38	0	1	1	1	1	9.6	62.7	444	0.6	3 HDWH	11.5	6805	F
Fortissimo	DR	25	154	33	0	1	1	1	1	9.1	61.7	480	1.1	1 HAD	13.4	5628	G
Patwin	HW	34	160	37	0	1	1	2	1	9.3	58.6	443	0.7	2 HDWH	12.9	5623	G
Volante	DR	33	163	33	0	1	1	1	1	9.2	62.7	521	1.4	3 HAD	12.7	4529	H
Average:		31	153	37	0	1	1	1	1	9.4	60.6	444	0.6		12.4	6871	
C.V.%		3.9	1.7	1.1	NA	18.3	14	NA	NA	1.8	1.6	12.1	75.1		6.9	1	
L.S.D @5%		2.6	4.4	0.7		0.3	0.2			0.3	1.6	91.7	0.8		1.4	123	
Significance by Variety		**	**	**		**	**			**	**	*			**		
Significance by Rep										**	**				**		

** = Significant 99% of the time

* = Significant 95% of the time

NA = Not analyzed do to lack of difference

¹Disease Rating (1-8): 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%

² Falling Number minimum 300 min.

Grain color/type: **HR**= Hard Red **MR**= Medium Hard Red

T=Trical = triticale **DR** = Durum

NT = no measurement taken

NQI = National Quality Inspections, Inc.

Table 3. 2012 UC COOPERATIVE EXTENSION HUNN, MERWIN & MERWIN WHEAT VARIETY TRIAL

Funding: California Wheat Commission

Cooperators: Pete and Larry Hunn

Experimenters: Kent Brittan, Jorge Dubcovsky, Mark Kochi, Syngenta, John Gilbert

Soil Type: Omni silty clay

Planting Date: November 15, 2011

Planting Method: Drilled with 26 row, 6"spacing double disk Great Plains grain drill planted flat

Previous Crop: Processing tomatoes

Herbicide: 1pt/a MCPA + 3oz/a Clarity in 10gal/a water

Fertilizer: Preplant 100 units nitrogen as aqua ammonia. Total 20lbs N/ac applied.

Location: Just north of house north of Central Rd, east side of Jefferson Blvd.

Harvest Date: July 6, 2012

Irrigation: 1 in December

Length of Plots: 186 feet

Plot Width: 13 feet

No.of drill rows: 26 rows

Replications: 3

Planting Rate: 120 Lbs./Acre

2011 to 2012 Hunn, Merwin & Merwin Wheat Variety Trial Summary Sorted by Yield

Variety	Grain Type	Stand (Plants/ft ²)	Days to Heading	Plant Height (in)	Harvest Lodging (%)	Shatter 'seed/ft ²	Frost (%)	Stripe Rust	Leaf Rust	BYDV	Septoria Blotch	Grain Moisture (%)	Test Weight (lbs./bu)	Falling No. (min.) ²	Adams Grain Grade (NQI)			Yield (lbs./ac)	Duncan's Means@5% Separation	
								Disease Rating (1-8)							Dockage	GRADE (average)	Protein (%)			
Trical Brand 115	TR	27	165	42	0	0	0	1	1	1	1	9.1	66.5	NT	0.5	4	TRITICALE	10.7	9367	A
Trical Brand 118	TR	30	157	43	0	0	0	1	1	1	1	8.9	65.5	NT	1.0	1	TRITICALE	10.9	9246	A
Trical Brand 158EP	TR	26	165	41	0	0	0	1	1	1	1	9.0	67.1	NT	1.0	1	TRITICALE	11.1	9012	B
Camelot	TR	27	157	45	0	0	0	1	1	1	1	9.1	63.5	NT	0.4	1	TRITICALE	12.5	8701	C
Fortissimo	DR	24	158	36	0	0	0	1	1	1	1	9.1	64.6	307	0.3	4	HAD	11.4	7553	D
Summit 515	HR	25	157	40	0	0	0	1	1	2	1	8.5	68.5	277	0.4	2	HRW	12.1	7525	D
Blanca Royale	HW	27	158	36	0	0	0	1	1	1	1	9.1	67.2	398	0.5	4	HDWH	12.1	7171	E
Blanca Grande 515	HW	24	155	41	0	0	0	1	1	1	1	10.0	69.6	275	0.2	4	HDWH	12.0	7164	E
Cal Rojo	HR	28	165	35	0	0	0	1	1	1	1	8.7	67.4	383	0.3	2	HRW	12.6	6894	F
WB-Cristallo	HW	27	165	39	8	0	0	2	1	3	1	8.8	66.2	332	0.6	4	HDWH	12.1	6728	G
SY314	HR	24	165	38	0	0	0	1	1	2	1	8.3	69.4	297	0.4	5	HRW	12.3	6657	G
Redwing	HR	31	165	38	3	0	0	2	1	2	1	8.1	68.4	376	0.4	2	HRW	12.0	6625	G
Volante	DR	25	165	38	0	0	0	1	1	1	1	8.6	67.5	401	0.4	4	HAD	12.3	6460	H
Patwin	HW	26	155	38	0	0	0	1	1	5	1	8.2	67.5	417	0.4	3	HDWH	13.1	6392	HI
Rockland	HR	27	154	35	0	0	0	1	1	3	1	8.7	68.4	341	0.4	3	HRW	13.3	6307	I
Average		27	160	39	1	0	0	1	1	2	1	8.8	67.2	346	0.5			12.0	7453	
C.V.%		10.7	0.29	1.1	NA	NA	NA	46.8		8.5	NA	6.5	0.3	20	70.9			3.3	1	
L.S.D @5%		4.8	0.8	0.7				0.9		0.2		1.0	0.3	116	0.6			0.7	126	
Significance by Variety			**	**						**		**						**	**	
Significance by Rep		*								**		**			**			**	**	
Non-additivity								**				**			**			**	**	

** = Significant 99% of the time * = Significant 95% of the time NA = Not analyzed do to lack of difference

¹Disease Rating (1-8): 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%

²Falling Number minimum 300 min.

Grain color/type: **HR**= Hard Red **MR**= Medium hard Red

T=Trical= triticale

DR = Durum

NT = no measurement taken

NQI = National Quality Inspections, Inc.

Table 4. 2012 UC COOPERATIVE EXTENSION McCORMACK SMALL GRAIN TRIAL - Rio Vista
Funded by the California Wheat Commission

Cooperators: Jennie McCormack, Al Medvitz

Experimenters: Kent Brittan, Jorge Dubcovsky, Mark Kochi, Syngenta, John Gilbert
 West Bread and World Wide Wheat LLC. and John Gilbert of Adams Grain

Soil Type: Diablo-Ayar on slopes

Planting Method: Drilled with 26 row, 6"spacing double disk Great Plains grain drill planted flat

Planting Rate: 120 Lbs./Acre

Previous Crop: Fallow grazing for sheep

Fertilizer: 85 units Aqua preplant, plus 41lbs/ac 11-52-0 at planting. Total 21.5lbs N/ac applied.

Herbicide: 2pt/ac Glyphosate at planting, 0.5pt/a MCPA + 4.5oz/a Oberon in 15gal/a water ground

Location: Located on the north side of Montezuma Hills Road 0.78 miles east of Anderson Rd.

Planting Date: November 22, 2011

Harvest Date: June 27, 2012

Irrigation: None

Length of Plots: 155 feet

Plot Width: 13 feet

No.of drill rows: 26 rows

Replications: 3

Field Variety: Cal Rojo

2011 to 2012 McCormack Wheat Variety Trial Summary Sorted by Yield

Variety	Grain Type	Stand (Plants/ft ²)	Days to Heading	Plant Height (in)	Harvest Lodging (%)	Stripe	Leaf	Septoria		Grain Moisture (%)	Test Weight (lbs./bu)	Falling No. (min.) ²	Adams Grain Grade (NQI)			Yield (lbs./ac)	Duncan's Means@5% Separation	
						Rust	Rust	BYDV	Blotch				Dockage	GRADE (average)	Protein (%)			
Trical Brand 118	TR	25	158	37	0	3	1	1	1	8.9	60.2	NT	0.5	5	TRITICALE	12.1	5772	A
Summit 515	HR	22	157	31	0	1	1	1	1	8.9	62.2	311	0.4	3	HRW	11.9	5687	A
Camelot	TR	24	149	42	0	2	1	1	1	8.7	59.6	NT	0.7	4	TRITICALE	12.0	5489	A
Trical Brand 115	TR	21	158	34	0	2	1	1	1	8.6	63.7	NT	0.3	2	TRITICALE	12.2	5445	A
Blanca Grande 515	HW	22	148	36	0	1	1	1	1	9.4	59.4	317	0.4	4	HDWH	11.9	5381	A
Trical Brand 158EP	TR	29	157	34	0	2	1	1	1	8.9	60.0	NT	0.4	3	TRITICALE	11.8	5327	A
Patwin	HW	26	158	33	0	1	1	2	1	8.7	57.6	356	0.4	3	HDWH	12.8	5030	AB
SY314	HR	21	158	32	0	1	1	1	1	8.8	61.7	330	0.4	2	HRW	12.3	4856	ABC
Blanca Royale	HW	24	159	32	0	1	1	1	1	9.0	59.8	311	0.8	1	HDWH	12.9	4848	ABC
Cal Rojo	HR	23	148	31	0	1	1	1	1	9.2	60.2	360	0.4	2	HRW	12.3	4662	ABC
Fortissimo	DR	21	164	31	0	1	1	1	1	8.8	60.3	381	1.0	4	HAD	13.2	4170	BCD
Rockland	HR	24	149	31	0	1	1	1	1	9.2	57.9	385	0.4	1	HRW	13.6	3792	CD
Redwing	HR	22	158	30	0	7	1	1	1	8.3	58.2	309	0.5	1	HRW	12.6	3761	CD
WB-Cristallo	HW	22	159	33	0	3	1	1	1	8.6	58.1	371	0.5	1	HDWH	12.7	3257	DE
Volante	DR	9	164	31	0	1	1	1	1	8.9	58.6	297	1.4	4	HAD	13.2	2578	E
Wit Wolkoring	SW	25	159	50	37	8	1	1	1	9.5	61.2	363	0.2	4	SWW	12.1	1098	F
Sonora	SW	26	177	46	33	7	1	1	1	9.3	62.2	291	0.3	3	SWW	12.2	1055	F
Average		23	158	35	4	3	1	1	1	8.9	60.0	337	0.5			12.5	4247	
C.V.%		18.5	0.4	3.9	NA	NA	28.3	26.0	NA	2.7	1.7	12.3	58.9			5.2	14	
L.S.D @5%		7.0	0.9	2.3			1.2	0.5		0.4	1.7	69.7	0.5			1.1	974	
Significance by Variety		**	**	**			**	*		**	**		**			*	**	
Significance by Rep		**		**			*			**	**		**			**	**	
Non-additivity				**				**		*								

** = Significant 99% of the time

* = Significant 95% of the time

NA = Not Analyzed do to lack of difference NT = no measurement taken

¹Disease Rating (1-8): 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100%

²Falling Number minimum 300 min.

Grain color/type: **HR**= Hard Red **MR**= Medium hard Red

T=Trical= triticale

DR = Durum

SW= Soft White wheat

NQI = National Quality Inspections, Inc.

Table 5. 2012 UC COOPERATIVE EXTENSION ROMINGER WHEAT & TRITICALE VARIETY TRIAL

Funded by the California Wheat Commission

Cooperators: Rick and Bruce Rominger
 Experimenters: Kent Brittan, Jorge Dubcovsky, Mark Kochi, Syngenta (Resource Seeds Int.), West Bread and John Gilbert Adams Grain
 Soil Type: Marvin silty clay loam & Tehama loam Harvest Date: June 14, 2012
 Planting Date: November 11, 2011 Irrigation: None
 Planting Method: Drilled with 26 row, 6"spacing double disk Great Plains grain drill planted flat Length of Plots: 152 ft.
 Planting Rate: 120 Lbs./Acre Plot Width: 11 feet
 Previous Crop: Processing tomatoes No.of drill rows: 26 rows
 Herbicide: MCPA Replications: 3
 Fertilizer: 125 units Aqua preplant. Total 25lbs N/ac applied.
 Location: Southwest corner of County Roads 29 and 89, Winters, CA

2011 to 2012 Rominger Wheat Variety Trial Summary Sorted by Yield

Variety	Grain Type	Stand (Plants/ft ²)	Days to Heading	Plant Height (in)	Harvest Lodging (%)	Stripe Rust	Leaf Rust	BYDV	Septoria Blotch	Grain Moisture (%)	Test Weight (lbs./bu)	Falling No. (min.) ²	Adams Grain Grade (NQI)			Yield (lbs./ac)	Duncan's Means@5% Separation	
						Disease Rating (1-8)							Dockage	GRADE (average)	Protein (%)			
Trical Brand 118	TR	25	153	39	0	1	1	1	1	8.0	58.1	NT	0.6	1	TRITICALE	12.0	7927	A
Trical Brand 115	TR	30	159	37	0	1	1	1	1	8.0	57.7	NT	0.6	1	TRITICALE	12.9	7380	B
Camelot	TR	24	150	41	0	1	1	1	1	7.7	56.8	NT	0.5	1	TRITICALE	14.0	7338	BC
Trical Brand 158EP	TR	27	158	36	0	1	1	1	1	7.8	58.0	NT	0.6	2	TRITICALE	11.5	7203	CD
Redwing	HR	27	153	33	0	2	1	1	1	8.1	61.0	407	0.3	1	HRW	11.7	7158	DE
Rockland	HR	28	152	32	0	1	1	1	1	8.3	63.8	448	0.3	2	HRW	12.6	7143	DE
Summit 515	HR	28	153	36	0	1	1	1	1	8.6	62.5	361	0.4	2	HRW	10.9	7020	EF
Blanca Royale	HW	31	146	33	0	1	1	1	1	8.7	62.9	433	0.3	2	HDWH	11.6	6987	F
Cal Rojo	HR	25	157	32	0	1	1	2	1	8.5	60.9	392	0.5	2	HRW	11.5	6967	F
Blanca Grande 515	HW	26	146	35	0	1	1	1	1	8.9	64.5	336	0.3	2	HDWH	11.4	6955	F
Patwin	HW	27	159	37	0	1	1	3	1	8.2	60.9	393	0.5	2	HDWH	11.6	6514	G
SY314	HR	25	153	36	0	1	1	1	1	8.5	61.1	383	0.4	2	HRW	10.9	6447	GH
WB-Cristallo	HW	24	154	37	0	1	1	1	1	8.6	63.6	421	0.3	1	HDWH	11.4	6310	H
Volante	DR	23	158	33	0	1	1	1	1	8.4	62.4	478	0.5	3	HAD	12.1	5179	I
Fortissimo	DR	20	168	31	0	1	1	1	1	8.4	60.5	466	0.3	2	HAD	12.4	5145	I
Average		26	155	35	0	1	1	1	1	8.3	61.0	411	0.4			11.9	6778	
C.V.%		6.1	0.9	1.2	NA	13.7	NA	17.3	NA	1.0	1.5	8.0	42.8			4.7	1	
L.S.D @5%		2.7	2.3	0.7		0.2		0.3		0.1	1.5	55.6	0.3			0.9	140	
Significance by Variety		**	**	**		**		**		**	**	**			**	**	**	
Significance by Rep										**		**		**			*	
Non-additivity								**				*		*				

** = Significant 99% of the time * = Significant 95% of the time NA = Not Analyzed do to lack of difference

¹Disease Rating (1-8): 1=0-3%, 2=4-14%, 3=15-29%, 4=30-49%, 5=50-69%, 6=70-84%, 7=85-95%, 8=96-100% ²Falling Number minimum 300 min.

Grain color/type: **HR**= Hard Red **MR**= Medium Hard Red **T**=Trical= triticale **DR** = Durum **NT** = no measurement taken

NQI = National Quality Inspections, Inc.

Table 6. 2005-2012 Over Years By Location Small Grains Variety Comparisons
University of California Cooperative Extension - Kent L. Brittan

Varieties		Dixon			Clarksburg			Esparto & Walnut Grove			Rio Vista		
		Averaged over Years	Yield (lbs/ac)	Protein (%)	Averaged over Years	Yield (lbs/ac)	Protein (%)	Averaged over Years	Yield (lbs/ac)	Protein (%)	Averaged Dryland Hills over Years	Yield (lbs/ac)	Protein (%)
Blanca Fuerte	HW	5	7907	10.9	4	4860	12.3	5	7698	10.5	2	3767	10.0
*Blanca Grande 515	HW	6	6178	12.0	5	5205	12.2	6	5959	10.7	3	4088	11.1
Blanca Royale	HW	7	6806	11.7	5	4491	11.9	6	6762	11.3	1	3202	10.8
Cal Rojo	HR	8	7070	11.6	7	5499	11.8	8	6629	11.1	3	3943	11.1
Camelot	TR	5	7738	11.3	4	6768	11.5	4	7882	11.4	2	4717	11.0
Clear White	HW	5	6110	11.8	4	4366	12.1	3	6403	10.2	1	3461	11.3
Desert King HP	DR	3	7215	10.8	1	4361	10.9	3	6042	11.8	1	3643	10.5
Espresso	HR	6	6382	12.3	5	4141	13.1	7	5964	11.5	2	2984	11.0
Fortissimo	DR	4	7261	11.3	3	6406	11.5	4	6625	11.8	2	3989	11.4
Lassik	HR	4	6769	11.6	3	4391	13.3	3	6704	10.7	0		
Patwin	HW	8	6753	12.2	6	4938	12.9	8	6599	11.6	3	3611	11.4
PR1404	MR	4	5396	11.6	3	5143	11.5	3	5528	10.9	0		
Redwing	HR	7	7252	11.7	6	5068	11.8	7	7154	10.9	3	3458	11.3
Rockland	HR	2	6587	12.6	2	5053	12.8	2	6549	12.7	2	3396	12.5
*Summit 515	HR	6	7314	10.8	6	5860	11.1	6	7148	10.3	3	4167	10.8
Trical Brand 115	TR	1	7674	12.6	1	9367	10.7	1	7380	12.9	1	5445	12.2
Trical Brand 118	TR	7	6542	11.2	6	6021	10.4	7	7257	11.6	3	4760	11.2
Trical Brand 158EP	TR	3	9210	9.9	2	7784	9.9	2	7708	11.2	2	4751	10.4
WB-Cristallo	HW	4	5705	12.7	3	6514	12.7	4	6260	13.3	2	1055	12.2

* Summit and Summit 515 - are similar enough in growth, yield, and quality that I combined them for this comparison.

* Blanca Grande and Blanca Grande 515 - are similar enough in growth, yield, and quality that I combined them for this comparison.