



Kings and Tulare Small Grain Variety Performance Trials

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Small grain variety tests were conducted at multiple locations throughout California, coordinated by Extension Specialist Lee Jackson. The results from Kings and Fresno Counties small plot trials are shown on the following pages. The regional wheat, barley and triticale trials in Kings County were conducted at McCarthy Farms near Corcoran and at the Westside Research and Extension Center in Five Points. An Agronomy Progress Report containing more detailed results from all trials is available at <http://agric.ucdavis.edu/crops/cereals/cereal.htm> or on the Tulare County website at <http://cetulare.ucdavis.edu>

The 2008 season was dry and warm in the spring, resulting in a high yielding crop with low disease pressure from stripe rust, septoria tritici, and leaf rusts.

Wheat varieties have different levels of genetic resistance to stripe rust and, as several new races of rust develop, the resistance breaks down.

Often, our best silage varieties are also the high yielding grain varieties with high protein, resistance to disease and resistance to lodging and early maturing. A dual purpose variety gives options particularly when grain prices are high and silage prices low or vice versa, or when water may be limited. Choose more than one variety or grain type to reduce the impacts of weather, disease, harvest schedules, and economics.

- First and foremost, select and plant varieties with good resistance along with high yield potential.
- Secondly, a well-timed fungicide application was shown to reduce the yield loss even in resistant varieties when conditions favor the disease.

Stripe Rust resistance based on observations from the University of California statewide variety tests:

Highly Susceptible: Dirkwin, Bonus, Brooks, Cavalier, Yecora Rojo, Stander, Plata, Summit

Susceptible: Anza, Express, Solano, Orita, Blanca Grande

Moderately Susceptible: Express, Clear White

Resistant-susceptible: Joaquin

Moderately resistant: Dash 12, PR 1404, Crown, Platinum, Desert King

Resistant: Cal Rojo, Ultra, Blanca Royale, Patwin, Espresso, Blanca Fuerte, Mica, Camelot, Trical 105, Trical 118, Fortissimo

2008 California Wheat Variety Survey

According to the California Wheat Commission report, 2008 wheat plantings are estimated over 30% higher than 2007 at 808,000 acres. Total estimated planted acreage is approximately 200,000 acres more than last year for California. The San Joaquin Valley region had the most plantings of non-Durum wheat, while the Southern California region leads in Durum acreage. High wheat prices encouraged more plantings of wheat this year, although high inputs tempered that enthusiasm. Dry weather conditions caused much of the dryland planted acreage to be cut for hay.

CALIFORNIA'S RED AND WHITE WHEATS:

Hard Red wheat accounted for three-fourths of the non-Durum acreage. Three varieties, Cal Rojo, Joaquin, and the hay-forage variety PR 1404 lead the line-up with approximately 100,000+ acres each. Ultra was the next most common hard red variety at 40,000 acres. The hard white wheat varieties Blanca Fuerte, Blanca Grande, and Blanca Royale were the top white varieties in the state, followed in acreage by two soft white wheat varieties, Alpowa and Yamhill.

DESERT DURUM:

The durum wheat class showed the largest increase in planted acreage; twice the plantings from last year for a total of 174,000 acres. Most of this increase occurred in Imperial Valley. Orita and Kronos had the most acreage in the desert, while Fortissimo and Platinum were the most common varieties in the San Joaquin valley. Desert King and Havasu also saw large increases over last year.

California Wheat Variety Survey—2008

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VARIETIES		SACRAMENTO VALLEY	SAN JOAQUIN VALLEY	COAST	SOUTHERN CALIFORNIA	SIERRA AND NO. CALIF.	VARIETY TOTALS	2007 TOTALS
WHITE VARIETIES								
Hard White Wheat								
Blanca Fuerte	Acres	300	60,000			600	60,800	4,000
(PVP Pending)	Percent*	<0.1%	9.5%			0.1%	9.6%	0.8%
Blanca Grande (PVP)	Acres	12,000	20,000	180	3400		35,580	124,200
	Percent*	1.9%	3.2%	<0.1%	0.5%		5.6%	23.9%
Blanca Royale	Acres		25,000				25,000	N/A
(PVP Pending)	Percent*		3.9%				3.9%	
Soft White Wheat								
Alpowa	Acres					20,000	20,000	15,000
	Percent*					3.2%	3.2%	2.9%
Ramona	Acres		3,500				3,500	3,500
	Percent*		0.6%				0.6%	0.7%
Stephens	Acres					8,000	6,000	3,000
	Percent*					0.9%	0.9%	0.6%
Twin	Acres					3,800	3,600	5,000
	Percent*					0.5%	0.5%	1.0%
Yamhill	Acres	300				18,000	16,300	8,000
	Percent*	<0.1%				2.5%	2.6%	1.5%
Other/Unknown	Acres	6,520		1,000		700	8,220	8,000
White	Percent*	1.0%		0.2%		0.1%	1.3%	1.7%
RED VARIETIES								
Cal Rojo (PVP)	Acres	65,000	35,000	800		300	101,100	49,600
(U.S. Patent Pending)	Percent*	10.3%	5.5%	0.1%		<0.1%	15.9%	9.5%
Dash 12 (PVP)	Acres	7,000					7,000	9,500
	Percent*	1.1%					1.1%	1.8%
Espresso (PVP)	Acres	27,000					27,000	5,300
	Percent*	4.3%					4.3%	1.0%
Joaquin (PVP)	Acres	2,000	113,000		280	300	115,580	10,000
	Percent*	0.3%	17.8%		<0.1%	<0.1%	18.2%	1.9%
PR 1404 (PVP)	Acres	27,000	79,400	1,600			108,000	88,500
	Percent*	4.3%	12.5%	0.3%			17.0%	17.0%
Summit (PVP)	Acres	2,000	500				2,500	79,300
	Percent*	0.3%	0.1%				0.4%	15.3%
Triple IV (PVP)	Acres	820	16,500	700			17,820	15,000
	Percent*	0.1%	2.6%	0.1%			2.8%	3.0%
Ultra (PVP)	Acres		40,000				40,000	5,000
	Percent*		6.3%				6.3%	1.0%
Yecora Rojo	Acres		8,000	2,000	7,300	6,000	23,300	24,000
	Percent*		1.3%	0.3%	1.2%	0.9%	3.7%	4.5%
Other/Unknown	Acres	4,280	6,100	120	1,020	1,200	12,700	61,300
Red	Percent*	0.7%	1.0%	0.0%	0.2%	0.2%	2.0%	11.8%
TOTAL (ALL WHEAT		154,000	407,000	6,400	12,000	54,600	634,000	520,000
OTHER THAN DURUM)		24.3%	64.2%	1.0%	1.9%	8.5%	100.0%	100.0%

*Percent of "All wheat other than Durum" (634,000 acres). (PVP): These varieties are protected under the Plant Variety Protection Act.

DURUM VARIETIES		Sacramento Valley	San Joaquin Valley	Coast	Southern California	Sierra & No. Calif.	VARIETY TOTALS	2007 TOTALS
Desert King (PVP)	Acres		4,000		15,000		19,000	5,000
	Percent*		2.3%		8.6%		10.9%	5.7%
Fortissimo (PVP)	Acres	700	21,000				21,700	4,500
	Percent*	0.4%	12.1%				12.5%	5.1%
Havasu (PVP)	Acres				15,000		15,000	6,300
	Percent*				8.6%		8.6%	7.2%
Kronos (PVP)	Acres				38,700		38,700	23,500
	Percent*				22.2%		22.2%	26.7%
Orita (PVP)	Acres				40,000		40,000	16,000
	Percent*				23.0%		23.0%	18.2%
Platinum (PVP)	Acres	1,200	18,000		10,000		29,200	21,000
	Percent*	0.7%	10.3%		5.7%		16.8%	23.9%
Other & Unknown	Acres	700	2,700		7,000		10,400	11,700
Durum	Percent*	0.4%	1.6%		4.0%		6.0%	13.3%
ALL DURUM	Acres	2,600	45,700		125,700		174,000	88,000
WHEAT	Percent*	1.5%	26.3%		72.2%		100.0%	100.0%
ALL WHEAT	Acres	156,600	452,700	6,400	137,700	54,600	808,000	608,000
	Percent*	19.4%	56.0%	0.8%	17.0%	6.8%	100.0%	100.0%

*Percent of Total Durum (174,000 acres) (PVP): These varieties are protected under the Plant Variety Protection Act.

UC REGIONAL WHEAT TRIAL SUMMARY, 2008

Jackson, Wright, Banuelos

ENTRY	FRESNO	KINGS	MEAN
Joaquin	5830	5310	5570
Summit	7590	5860	6725
Blanca Grande	6700	6600	6650
Cal Rojo	7210	5400	6305
Yecora Rojo	5600	5780	5690
Blanca Royale	6070	6010	6040
Ultra	8360	6370	7365
Blanca Fuerte	7480	6080	6780

2008 KINGS COMMON WHEAT AND TRITICALE TEST

Entry	Name	Yield (lbs/acre)	Shatter	Plant ht (in)	<u>Lodging</u> Soft Dough	<u>Lodging</u> Harvest	Stripe Rust
20	ANZA	4720 (33)	1.0	33	1.0	1.0	3.3
112	YECORA ROJO	5780 (14)	1.0	33	1.0	1.0	5.5
788	EXPRESS	4690 (34)	1.0	28	1.0	1.0	1.0
1155	SUMMIT	5860 (13)	1.0	37	1.0	1.0	2.0
1156	BLANCA GRANDE	6600 (4)	1.0	36	1.0	1.0	1.0
1340	MIKA	5310 (26)	1.0	43	1.0	1.0	1.0
1341	DASH 12	5930 (11)	1.0	39	1.0	1.0	1.0
1361	CLEAR WHITE	5740 (15)	1.0	36	1.0	1.0	1.0
1392	SOLANO	5580 (19)	1.0	35	1.0	1.0	1.0
1419	PATWIN	6920 (2)	1.0	36	1.0	1.0	1.0
1424	JOAQUIN	5310 (25)	1.0	27	1.0	1.0	1.0
1478	CAL ROJO	5400 (21)	1.0	27	1.0	1.0	1.0
1489	OITS	4400 (37)	1.0	50	1.0	1.0	1.0
1495	LASSIK	5160 (29)	1.0	30	1.0	1.0	1.0
1496	WWW BR5874E	4540 (36)	1.0	36	1.0	1.0	1.0
1500	ESPRESSO	5320 (24)	1.0	35	1.0	1.0	1.0
1521	REDWING	6190 (6)	1.0	32	1.0	1.0	1.0
1522	BLANCA ROYALE	6010 (10)	1.0	33	1.0	1.0	1.0
1523	BLANCA FUERTE	6080 (7)	1.0	31	1.0	1.0	1.0
1548	WB DA 904-32W	4610 (35)	1.0	32	1.0	1.0	1.0
1551	UCD 06010/5	4920 (31)	1.3	39	1.0	1.0	1.0
1555	LARIAT	5740 (16)	1.0	37	1.0	1.0	1.0
1561	APB W02AZ-365	5660 (18)	1.0	38	1.0	1.0	1.0
1586	SAGITTARIO	4990 (30)	1.0	29	1.0	1.0	1.0
1587	VAIOLET	4890 (32)	1.0	29	1.0	1.0	1.0
1590	ULTRA	6370 (5)	1.0	30	1.0	1.0	1.0
1591	RSI 00WB80722	5500 (20)	1.0	32	1.0	1.0	1.0
1592	RSI01W20153	8200 (1)	1.0	37	1.0	1.0	1.0
1593	RSI 02W50807	3780 (42)	1.0	30	1.0	1.0	1.0
1599	UCD 07013/24	5370 (22)	1.0	34	1.0	1.0	1.0
1600	UCD 07013/30	5900 (12)	1.0	33	1.0	1.0	1.0
1601	UCD 07015/4	6010 (9)	1.0	33	1.0	1.0	1.0
1602	UCD 70015/9	5680 (17)	1.0	32	1.0	1.0	1.0
1603	UCD 07103/57	5220 (28)	1.0	33	1.0	1.0	1.0
1604	WB YU903-283	6700 (3)	1.0	32	1.0	1.0	1.5
1605	WB BZ904-331WP	6050 (8)	1.0	32	1.0	1.0	1.0
1608	WWW CNBR9330	5330 (23)	1.0	38	1.0	1.0	1.0
1610	APB W05AZ-137	3810 (41)	2.5	35	2.5	2.0	1.0
1611	APB W05AZ-149	4010 (40)	1.5	35	1.5	1.5	1.0
1612	APB W05AZ-176	4190 (39)	1.8	33	2.8	3.0	1.0
3097	TRICAL BRAND 105	3310 (44)	1.0	39	1.0	1.0	1.0
3156	TRICAL BRAND 118	3590 (43)	1.0	34	1.0	1.0	1.0
3158	TRICAL BRAND 98	2570 (45) 1.0	1.0	28	1.0	1.0	1.0
3163	RSI 01T40107	4400 (38)	1.0	33	1.0	1.0	1.0
3164	Pacheco	5290 (27)	1.0	40	1.0	1.0	1.0
	MEAN	5280	1.1	34	1.1	1.1	1.2
	CV	18.1	18.9	10.4	36.1	30.8	47.7
	LSD (.05)	1340	0.3	7	0.5	0.5	0.8

Rating scale for diseases (area of flag-1 leaf affected), lodging and shatter: 1 = 0-3%, 2 = 4-14%, 3 = 15-29%, 4 = 30-49%, 5 = 50-69%, 6 = 70-84%, 7 = 85-95%, 8 = 96-100%. Numbers in parentheses indicate relative rank in column.

2008 KINGS DURUM WHEAT TEST

Entry	Name	Yield (lbs/acre)	Plant ht (in)	Lodging Soft Dough	Lodging Harvest	Stripe Rust
878	DURAKING	4350 (24)	36	1.0	1.5	1.0
951	KRONOS	6270 (2)	33	1.8	3.5	1.0
1166	CROWN	5040 (15)	30	1.0	1.3	1.0
1210	PLATINUM	5840 (5)	35	1.0	1.3	1.0
1375	DESERT KING	5900 (4)	37	1.0	1.0	1.0
1429	FORTISSIMO	5450 (9)	34	1.0	1.3	1.0
1431	VOLANTE	5610 (8)	31	1.0	1.0	1.0
1467	WB YU803-11	5180 (12)	31	1.0	2.3	1.0
1473	A-MAX	3910 (25)	40	1.0	1.3	1.0
1484	WESTMORE	5290 (11)	34	1.0	2.0	1.0
1563	UCD 06222/30	4580 (22)	28	1.0	1.3	1.0
1564	UCD 06222/33	5000 (18)	35	1.0	1.0	1.0
1582	MAESTRALE	5380 (10)	37	1.0	2.0	1.0
1583	SARAGOLLA	6440 (1)	36	1.0	1.0	1.0
1585	UCD 06222/53	4540 (23)	34	1.0	2.3	1.0
1588	LEVANTE	5940 (3)	36	1.0	1.0	1.0
1594	RSI 06WV119	5160 (13)	35	1.3	3.5	1.0
1595	RSI 06WV141	5060 (14)	33	1.0	1.0	1.0
1596	RSI 06WV161	4780 (20)	35	1.0	1.3	1.0
1597	RSI 06WV164	5020 (17)	31	1.0	1.5	1.0
1598	UCD 06222/52	5670 (7)	36	1.0	2.8	1.0
1606	WB DA804-24	5030 (16)	35	1.0	1.5	1.0
1609	WWW CHD1126B	4880 (19)	37	1.0	1.8	3.8
1613	APB D04AZ-335	5700 (6)	31	1.0	1L8	1.0
1614	APB D257-11/2	3690 (26)	34	1.0	4.3	1.0
1615	APB D157-11/3	4720 (21)	32	1.0	2.0	1.0
	Mean	5170	34	1.0	1.8	1.1
	CV	17.9	9.1	30.0	73.1	17.0
	LSD (.05)	1300	ns	Ns	1.8	0.3

Rating scale for diseases (area of flag-1 leaf affected) and lodging: 1 = 0-3%, 2 = 4-14%; 3 = 15-29%; 4 = 30-49%; 5 = 50-69%; 6 = 70-84%; 7 = 85-95%; 8 = 96-100%. Numbers in parentheses indicate relative rank in column.

2008 KINGS ELITE DURUM TEST

Entry	Pedigree	Yield (lbs/acre)	Plant Ht (in)	Lodging Soft Dough	Lodging Harvest
1	UC1113/SB TURBO UC1581	5310 (6)	36	1.0	1.0
2	KOFA/UC1113//UC1113 (06222/52) UC	3430 (19)	32	1.0	1.5
3	KOFA/UC1113//UC1113 (06222/53) UC	2730 (23)	34	1.0	1.5
4	KOFA/UC1113//UC1113 (06222/30) UC	2540 (25)	35	1.0	1.0
5	KOFA/UC1113//UC1113 (06222/33) UC	2910 (22)37	37	1.0	1.0
6	UC1375 P2	5430 (4)	34	1.0	1.0
7	SN TURK MI83-84 375/NIGRIS 5//TAN	5000 (8)	32	1.0	1.0
8	Kronos	4420 (14)	33	1.5	4.0
9	Kofa	5900 (3)	35	1.0	1.8
10	Desert King	5140 (7)	33	1.0	1.0
11	SN TURK MI 83-84 375/NIGRIS 5//TAN	7120 (1)	38	1.0	1.0
12	RASCON_39/TILO_1	5420 (5)	34	1.0	1.0
13	Desert King Gpc BC5F6	4180 (17)	31	1.0	1.0
14	Desert King Gpc BC5F6	4630 (12)	32	1.0	1.0
15	Desert King Gpc BC5F6	4780 (9)	34	1.0	1.5
16	Desert King Gpc BC5F6	4690 (11)	32	1.0	1.0
17	Desert King Gpc BC5F6	4500 (13)	36	1.0	1.0
18	Desert King Gpc BC5F6	4230 (16)	30	1.0	2.0
19	Kofa/UC1113//UC1113 (06222/34)	3990 (18)	32	1.0	1.3
20	APB D95-434/UC1113	4400 (15)	33	1.0	1.8
21	Mohawk/UC1113	4730 (10)	32	1.0	1.5
22	Mohawk/UC1113	5950 (2)	32	1.0	1.0
23	Lapdy_37/Busca_3 (Resel. Short)	2550 (24)	31	1.0	1.0
24	Cortez//Kna1/Cortez (Resel.early)	2960 (21)	35	1.0	1.0
25	Cortez//Kna1/Cortez (Resel.late)	2960 (20)	34	1.0	1.0
	MEAN	4400	33	1.0	1.3
	CV	22.2	9.4	19.6	41.4
	LSD	1370	ns	ns	0.8

Rating scale for lodging: 1 = 0-3%; 2 = 4-14%; 3 = 15-29%; 4 = 30-49%; 5 = 50-69%; 6 = 70-84%; 7 = 85-95%; 8 = 96-100%. Numbers in parentheses indicate relative rank in column.

2008 FRESNO COMMON WHEAT AND TRITICALE TEST

Entry	Name	Yield (lbs/acre)	Shatter	Plant Ht (in)	Stripe Rust
20	ANZA	7050 (8)	1.0	40	2.5
112	YECORA ROJO	5600 (34)	1.8	34	4.8
788	EXPRESS	5180 (37)	2.5	40	1.0
1155	SUMMIT	7590 (4)	1.0	36	1.0
1156	BLANCA GRANDE	6700 (16)	1.3	38	1.0
1340	MIKA	4730 (38)	2.8	47	1.0
1341	DASH 12	5580 (35)	2.3	42	1.0
1361	CLEAR WHITE	5990 (28)	1.0	39	1.0
1392	SOLANO	6400 (19)	1.5	39	1.0
1419	PATWIN	7020 (11)	1.0	36	1.0
1424	JOAQUIN	5830 (31)	1.3	37	1.0
1478	CAL ROJO	7210 (6)	1.0	34	1.0
1489	OTIS	5940 (29)	1.0	51	1.0
1495	LASSIK	6960 (12)	1.0	38	1.0
1496	WWW BR5874E	7050 (9)	1.0	41	1.0
1500	EXPRESSO	422-)30_	3.3	39	1L0
1521	REDWING	7160 (7)	1.0	34	1.0
1522	BLANCA ROYALE	6070 (27)	1.5	35	1.0
1523	BLANCA FUERTE	7480 (5)	1.0	35	1.0
1548	WB DA 904-32	5700 (32)	2.0	38	1.0
1551	UCD 06010/5	2670 (42)	4.0	42	1.0
1555	LARIAT	6110 (25)	1.5	38	1.0
1561	APB W02AZ-365	3600 (41)	4.0	37	1.0
1586	SAGITTARIO	6090 (26)	1.0	35	1.0
1587	VAIOLET	5870 (30)	1.0	32	1.0
1590	ULTRA	8360 (1)	1.0	33	1.0
1591	RSI 00WB80722	6310 (22)	1.5	38	1.0
1592	RSI 01W20153	7990 (2)	1.0	38	1.0
1593	RSI 02W50807	5650 (33)	1.8	37	1.0
1599	UCD 07013/24	6760 (14)	1.3	39	1.0
1600	UCD 07013/30	6450 (17)	1.0	33	1.0
1601	UCD 07015/4	6910 (13)	1.3	41	1.0
1602	UCD 07015/9	7050 (10)	1.0	37	1.0
1603	UCD 07103/57	6390 (21)	1.8	37	1.0
1604	WB YU0903-283	6390 (20)	1.0	36	1.0
1605	WB BZ904-331WP	5250 (36)	2.5	37	1.0
1608	WWW CNBR9330	3930 (40)	3.5	44	1.0
1610	APB W05AZ-137	1250 (44)	5.8	43	1.0
1611	APB W05AZ-149	1620 (43)	5.8	43	1.0
1612	APB W05AZ-176	1150 (45)	6.0	42	1.0
3097	TRICAL BRAND 105	6740 (15)	1.0	39	1.0
3156	TRICAL BRAND 118	6420 (18)	1.0	39	1.0
3158	TRICAL BRAND 98	6250 (23)	1.0	37	1.0
3163	RSI 01T40207	7640 (3)	1.0	36	1.0
3164	Pacheco	6240 (24)	1.0	44	1.0
	MEAN	5880	1.8	38	1.1
	CV	8.4	26.6	4.6	28.7
	LSD (.05)	690	0.7	4	0.4

Rating scale for diseases (area of flag-1 leaf affected) and shatter: 1 = 0-3%; 2 = 4-14%;

3 = 15-29%; 4 = 30-49%; 5 = 50-69%; 6 = 70-84%, 7 = 85-95%; 8 = 96-100%.

Numbers in parentheses indicate relative rank in column.

2008 FRESNO DURUM WHEAT TEST

Entry	Name	Yield (lbs/acre)	Plant Ht (in)	Stripe Rust
878	DURAKING	7560 (3)	42	1.0
951	KRONOS	6820 (17)	41	1.0
1166	CROWN	7590 (92)	39	1.0
1210	PLATINUM	7330 (5)	37	1.0
1375	DESERT KING	6880 (15)	39	1.0
1429	FORTISSIMO	6930 (13)	36	1.0
1431	VOLANTE	7240 (6)	36	1.0
1467	WB YU803-11	6860 (16)	39	1.0
1473	Q-MAX	7820 (1)	41	1.0
1484	WESTMORE	7120 (8)	40	1.0
1563	UCD 06222/30	5750 (26)	34	1.0
1564	UCD 06222/33	6080 (24)	35	1.0
1582	MAESTRALE	5770 (25)	44	1.0
1583	SARAGOLLA	6940 (10)	39	1.0
1585	UCD 06222/53	7010 (9)	39	1.0
1588	LEVANTE	7480 (4)	42	1.0
1594	RSI 06WV119	7210 (7)	38	1.0
1595	RSI 06WV141	6930 (12)	33	1.5
1596	RSI 06 WV 161	6210 (23)	39	1.0
1597	RSI 06WV164	6700 (19)	39	1.0
1598	UCD 06222/52	6890 (14)	37	1.0
1606	WB DA804-24	6320 (22)	37	1.0
1609	WWW CHD1126b	6940 (11)	42	1.8
1613	APB D04AZ-335	6620 (21)	34	1.0
1614	APB D257-11/2	6690 (20)	38	1.0
1615	APB D257-11/3	6760 (18)	37	1.0
	MEAN	6860	38	1.0
	CV	6	2.9	26.2
	LSD (.05)	580	2	ns

Rating scale for diseases (area of flag-1 leaf affected): 1 = 0-3%;
 2 = 4-14%; 3 = 15-29%; 4 = 30-49%; 5 = 50-69%; 6 = 70-84%;
 7 = 85-95%; 8 = 96-100%. Numbers in parentheses indicate
 Relative rank in column.

2008 FRESNO BARLEY TEST

Entry	Name	Yield (lbs/acre)	Shatter	Plant ht (in)	Lodging Soft Dough	Lodging Harvest	Stripe Rust
603	UC 603	5950 (8)	1.51	35	1.0	1.0	1.0
816	MAX	7650 (1)	1.0	31	1.0	3.0	2.3
933	UC 933	5780 (12)	1.8	30	1.0	2.5	1.0
937	UC 937	5600 (13)	1.5	36	1.0	4.0	1.0
951	MELTAN	4680 (15)	2.5	26	1.0	2.5	1.0
964	STRIDER	2500 (19)	4.0	42	1.0	1.3	1.0
969	UC 969	4230 (16)	3.0	37	1.0	1.0	1.0
1047	ISHI	7000 (4)	1.0	34	1.0	2.5	1.0
1095	23 IBYT 7	6050 (7)	1.5	35	1.0	3.0	1.0
1109	UCD C109	6660 (5)	1.3	34	1.0	2.3	1.0
1115	UCD C135	7600 (2)	1.0	29	1.0	1.5	1.0
1116	UCD C140	5880 (9)	1.5	31	1.0	3.8	1.0
1118	UCD C147	6420 (6)	2.3	32	1.0	4.5	1.0
1130	HOODY	990 (21)	6.3	41	2.3	2.3	1.0
1134	TAMALPAIS	5170 (14)	2.0	30	1.0	3.0	1.0
1171	T/S/E 11-18	2310 (20)	4.8	39	1.0	1.0	1.0
1208	UCD 06YP-2/341	5830 (10)	1.3	33	1.0	1.0	1.0
1211	SOLAR	2750 (18)	3.3	46	2.0	1.5	1.0
1212	WWW BA1129B-C	7090 (3)	1.0	29	1.0	1.0	1.0
1214	T/S 25	430 (23)	7.0	47	3.3	1.8	1.0
1228	K/H SPECIAL BLEND	660 (22)	6.3	45	1.0	1.0	1.0
1229	F8 7HB37/TTA94	4210 (17)	2.3	28	1.0	2.3	1.0
1230	UCD 07YP326	5800 (11)	1.3	36	1.0	1.0	1.0
	MEAN	4840	2.6	35	1.2	2.1	1.1
	CV	11	25.3	5.6	18.7	46.6	37.4
	LSD (.05)	750	0.9	4	0.3	1.4	0.6

Rating scale for diseases (area of flag-1 leaf affected), lodging and shatter: 1 = 0-3%; 2 = 4-14%; 3 = 15-29%;
4 = 30-49%; 5 = 50-69%; 6 = 70-84%; 7 = 85-95%; 8 = 96-100%. Numbers in parentheses indicate relative
rank in column.

Small Grain Silage Variety Tulare County 2008 – Wright, Collar, Banuelos Milky Way Dairy – Gil Replogle

Variety	Type	Green Tons/Acre	% Harvest H ₂ O	Tons/Acre at 70% H ₂ O	Height in Inches	Percent Lodging
Trical 118	Tricale	24.50 A	63.8	29.50 A	39	4
Trical 105	Tricale	24.29 A	63.7	29.22 A	41	10
PR 1404	Beardless Wheat	23.14 A	62.5	28.71 AB	39	31
Red Wing	White Wheat	21.72 B	60.1	28.55 AB	32	0
Trical 110	Tricale	25.15 A	65.7	28.54 AB	36	0
Trical Camelot	Tricale	23.11 A	64.3	27.08 ABC	39	0
Ultra	Red Wheat	20.48 BC	60.1	26.65 ABC	32	0
Blanca Royal	White Wheat	19.00 C	57.9	25.92 BC	33	16
Blanca Fuerte	White Wheat	20.15 BC	61.7	25.32 BC	32	0
Joaquin	Red Wheat	18.69 C	59.0	25.09 C	35	9
<i>LSD .05</i>		<i>2.59</i>	<i>2.21</i>	<i>3.11</i>		
<i>% CV</i>		<i>8.11</i>	<i>3.99</i>	<i>7.82</i>		

*Varieties followed by the same letter are not statistically different.

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Small Grain News

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Kings and Tulare Counties

Steve Wright, Farm Advisor