

Fresno County Small Grain Variety Performance Trials

Steve Wright, Jorge Dubcovsky, Lee Jackson, Phil Mayo, Diane Prato, Sarah Parry, Nick Clark Eddie Padilla, Isaac Giron, Walter Martinez

Small grain variety tests were conducted at multiple locations throughout California, coordinated by Wheat Breeder Jorge Dubcovsky. The results from Kings County with Boyett Farms and Fresno County small plot trials are shown on the following pages. The regional wheat, barley and triticale trials were conducted at the Westside Research and Extension Center in Five Points and Corcoran. A special thanks to Milky Way Dairy, Boyett Farms and WSREC for their cooperation in these studies. An Agronomy Progress Report containing more detailed results from all trials is available at: <u>http://smallgrains.ucdavis.edu</u> and <u>http://cetulare.ucanr.edu</u>.

2015 started off with rain and then stopped, resulting in poor or no yields in the dryland regions and requiring full irrigations in the irrigated wheat growing regions. Very warm spring temperatures during grain fill had a serious impact reducing final yields. Although there was little rain and warm temperature conditions there was still stripe rust on some varieties.

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 disease resistance along with high yield potential.
- Second, a well-timed fungicide application has shown to reduce the yield loss even in resistant varieties when weather conditions favor the disease. Stripe rust resistance based on observations from the University of California statewide variety tests indicate:

Highly Susceptible: Joaquin, Mika, Blanca Grande, Yecora Rojo, Dirkwin

Susceptible: WB-Paloma, Pacheco, Summit, Kronos

Moderately Susceptible: PR 1404, Redwing, Duraking, Clear White, Cristallo, Topper

Moderately Resistant: Trical 118, Westmore, Ultra, Camelot, Crown, Platinum, Blanca Fuerte, Volante, Trical 105, Desert King, Joaquin Oro

Resistant: Cal Rojo, Blanca Grande 515, Summit 515, Lariat, Lassik, Patwin, Blanca Royale, Rockland, Fortissimo, SY 158T



2015 California Wheat Variety Survey

California Wheat Commission, 1240 Commerce Ave. Suite A, Woodland, CA 95776 530-661-1292, californiawheat.org, info@californiawheat.org

VARIETIES		SACRAMENTO VALLEY	SAN JOAQUIN VALLEY	COAST	SOUTHERN CALIFORNIA	SIERRA AND NO. CALIF.	2015 VARIETY TOTALS	2014 TOTALS
WHITE VARIE	TIES							
Hard White Wheat								
Blanca Grande 515	Acres	1,000	10,000		3,000		14,000	14,800
(PVP)	Percent*	0.2%	2.3%		0.7%		3.3%	2.9%
Patwin 515 (PVP)	Acres	2,800	600				3,400	N/A
44 (48)	Percent*	0.7%	0.1%				0.8%	01922604
WB Perla	Acres		2,000				2,000	2,000
PVP. Patent # 8,519,246	Percent*		0.5%				0.5%	0.4%
Other/Unknown	Acres	2,800	900				3,700	15,000
Hard White	Percent*	0.7%	0.2%				0.9%	2.9%
Soft White Wheat								
Alpowa	Acres					6,500	6,500	10,000
	Percent *					1.5%	1.5%	1.9%
¹ New Dirkwin (PVP)	Acres	700	10,000				10,700	10,000
<u>s</u> , r	Percent *	0.2%	2.3%			_	2.5%	1.9%
Tubbs	Acres		0			2,000	2,000	
14880	Percent*					0.5%	0.5%	0.6%
¹ Twin	Acres					3,500	3,500	
	Percent*					0.8%	0.8%	0.8%
¹ Yamhill	Acres					7,500	7,500	15.000
	Percent*					1.8%	1.8%	2.9%
Other/Unknown	Acres	200	200			4,730	5,130	
Soft White	Percent*	0.0%	0.0%			1.1%	1.2%	4,000
Solt Mille	Feicent	0.0%	0.0 %			1.170	1.270	0.5%
RED VARIETIE	IS							
Cal Rojo (PVP)	Acres	10,000	8,000				18,000	48,000
(Patent # 7563967 B2)	Percent*	2.3%	1.9%				4.2%	9.4%
Joaquin (PVP)	Acres	500	15,000		3,000		18,500	25,500
	Percent*	0.1%	3.5%		0.7%		4.3%	5.0%
WB Joaquin Oro	Acres		20,000				20,000	24,000
PVP. Patent # 8,507,775	Percent*		4.7%				4.7%	4.7%
¹ PR 1404 (PVP)	Acres	8,000	32,000	500		1,500	42,000	
	Percent*	1.9%	7.5%	0.1%		0.4%	9.9%	12.3%
SY-Summit 515 (PVP)	Acres	13.000	68,000				81,000	90,000
	Percent*	3.1%	16.0%				19.0%	17.5%
¹ Triple IV (PVP)	Acres	500	25.000	1,000			26,500	22,500
and the second second	Percent*	0.1%	5.9%	0.2%			6.2%	
¹ Ultra (PVP)	Acres		15,000				15,000	
	Percent*		3.5%				3.5%	2.5%
WB 9112	Acres	4,000	3,000				7,000	
(PVP pending)	Percent*	0.9%	0.7%				1.6%	0.0%
WB 9229 (PVP)	Acres	12,800	5,000				17.800	
••••••••••••••••••••••••••••••••••••••	Percent*	3.0%	1.2%	0.0%			4.2%	
¹ WB-Patron	Acres	20,000	60,000	2,500		1,000	83,500	
PVP. Patent # 8,513,506	Percent*	4.7%	14.1%	0.6%		0.2%	19.6%	and the second second
Yecora Rojo	Acres	4.770	4,000	0.0 %	10,000	3,500	17,500	
recora Nojo	And the second second		4,000		2.3%	3,500 0.8%	4.1%	
Other / Internet	Percent*	0.700		4 000				
Other/Unknown	Acres	3,700 0.9%	11,300	1,000	4,000	770	20,770	
Red	Percent*		2.7%	0.2%	0.9%	0.2%	4.9%	6.5%
TOTAL (ALL W		80,000	290,000	5,000	20,000	31,000	426,000	513,000
OTHER THAN L	DURUM)	18.8%	68.1%	1.2%	4.7%	7.3%	100.0%	100.0%

* Percent of "All wheat other than Durum" (426,000 acres). (PVP): These varieties are protected under the Plant Variety Protection Act. ¹ Primary use for these varieties is listed as "forage".

2015 California Wheat Variety Survey

		SACRAMENTO VALLEY	SAN JOAQUIN VALLEY	COAST	SOUTHERN CALIFORNIA	SIERRA AND NO. CALIF.	2015 VARIETY TOTALS	2014 TOTALS
DURUM VARIE	ETIES							37.
Desert King (PVP)	Acres				20,000		20,000	7,000
	Percent*				20.3%		20.3%	14.9%
Desert King HP (PVP)	Acres		5,500		2,000		7,500	3,000
	Percent*		5.6%		2.0%		7.6%	6.4%
Fortissimo (PVP)	Acres	500	6,000				6,500	4,000
	Percent*	0.5%	6.1%				6.6%	8.5%
Orita (PVP)	Acres		4,500		20,000		24,500	9,000
	Percent*		4.6%		20.3%		24.8%	19.1%
Miwok (PVP)	Acres		4,700				4,700	N/A
	Percent*		4.8%				4.8%	
Tiburon (PVP)	Acres		0		6,300		6,300	N/A
20	Percent*				6.4%		6.4%	
Volante (PVP)	Acres		4,500	200			4,700	4,000
	Percent*		4.6%	0.2%			4.8%	8.5%
WB Mohave (PVP)	Acres				6,000		6,000	2,000
	Percent*				6.1%		6.1%	4.3%
Other & Unknown	Acres		6,300		12,200		18,500	18,000
Durum	Percent*	0.0%	6.4%		12.4%		18.7%	38.3%
ALL DURUM	Acres	500	31,500	200	66,500	0	98,700	47,000
WHEAT	Percent*	0.5%	.31.9%	0.2%	67.4%	0.0%	100.0%	100.0%
ALL WHEAT	Acres	80,500	321,500	5,200	86,500	31,000	524,700	560,000
	Percent	15.3%	61.3%	1.0%	16.5%	5.9%	100.00%	100.0%

* Percent of Total Durum (98,700 acres). (PVP): These varieties are protected under the Plant Variety Protection Act.

An estimated 525,000 acres of wheat were planted for 2015, down 6% from last year. Acreage planted to red and white wheat varieties decreased 17% from last season, on top of a similar decrease the year before. The bright spot was Durum wheat, with a 210% increase in plantings. California is experiencing a fourth consecutive year of drought. Warm storms early in the season and an overall lack of rain and snow after January led to a record low snowpack this year. Lack of availability of irrigation water continues to be a problem. Due to high prices being paid for silage, another record amount of wheat acreage is expected to be cut for non-grain purposes.

RED AND WHITE WHEAT:

Hard Red wheat, the top wheat class grown in California, accounted for 70% of all acreage grown in California this year. SY Summit 515 was the top planted red wheat variety, followed closely by the forage variety WB Patron. Yecora Rojo remained the most commonly planted red variety planted in the far northern and southern parts of California. Blanca Grande 515 was the top Hard White wheat planted and Yamhill, New Dirkwin, and Alpowa topped the Soft White varieties. Approximately 70% of all red and white varieties are grown in the San Joaquin Valley.

DURUM:

Due to high prices at planting time, Durum acreage in California more than doubled, accounting for nearly 20% of the total wheat acreage planted in the state for 2015. Desert King and Orita were the top planted varieties in Southern California, whereas acreage was pretty equally split between Desert King HP, Fortissimo, Orita, Miwok, and Volante in the San Joaquin Valley.

Note: This report reflects wheat that was planted in the fall of 2014/early winter 2015 for harvest in spring/summer of 2015 as well as intended spring plantings in far Northern California. This survey estimates the state's *planted* acreage.

2015 Common Wheat and Triticale Yields								
Entry		Name	Stripe Rust	Yield SJ Valley	Yield KERN	Yield FRESNO	Yield KINGS	
	DC							
CULTIVA	1340	WWW- MIKA	4.8	4297	4280 (4	(43) 5090	3520	
	1361	UC-CLEAR WHITE	2.8	4777		27) 3090 (50)	5010	
	1419	UC-PATWIN	1.0	5427	5610 (3	5720 (29)	4950	
	1424	WB-JOAQUIN	6.5	5407	6850 (7		3580	
	1478	SY-CAL ROJO	1.0	4757	,	(48) (48) (48) (45) (47)	5060	
	1495 1521	UC-LASSIK SY-REDWING	1.0 2.2	5460 5927		6050 (22) (25) 6300 (13)	5380 5200	
	1521	SY-BLANCA ROYALE	1.1	5937		27) 6740 (3)	4840	
	1526	WB-PR 1404	1.7	5357		40) 5700 (30)	4890	
	1550	WB-TRIPLE IV	4.9	4823	5500 (3	³⁹) 5700 (30)	3270	
	1590	SY-ULTRA	1.1	5000		4000 (47)	5760	
	1608	WWW-FV 2808	3.0	5637		(29) (6210) (18) (12) (12)	4610	
	1650 1657	WB-ROCKLAND SY-BLANCA GRANDE 515	1.0 1.0	4997 5687	5350 (4 6910 (6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4520 4640	
	1658	SY-SUMMIT 515	1.0	5680		20) 5580 (36)	5120	
	1660	SY-314	1.0	5843		(30) (30) (30) (22) 6430 (7)	4790	
	1667	BAG-NEW DIRKWIN	1.0	4693		6190 (19)	3550	
	1680	UC-PATWIN 515	1.0	5020	,	36) 4260 (46)	5030	
	1688	LCS-STAR	1.0	6177	6840 (8		5400	
	1723 1728	LCS-ATOMO	1.9 1.2	6120	7140 (2 6490 (1		5590 4540	
	1728	WB-JOAQUIN ORO WB- PERLA	1.2	5560 5587		5) 5650 (33) 0) 5600 (35)	4540 4410	
	1730	WB-9229	1.0	5780		(9) 6390 (9)	4590	
	1731	WB-PATRON	1.0	5737		(2) 6100 (21)	5070	
	1748	WB-9112	1.0	5767	6940 (4	4) 5490 (38)	4870	
	1749	WB-7618	1.0	5763	,	7) 5890 (27)	4950	
	1766	SY-VACA	1.7	4733		50) 5960 (25)	4830	
	1778	ASSY-TAM 204	1.1	4490		46) 3410 (490)	5140	
	1795 20	SY-DAYN UC-ANZA	1.0 7.0	5520 5930	5340 (4	43) 6400 (8) 5930 (26)	4820	
DVANC	ED LIN	ES						
	1745	UC12014/35	1.0	5930	5660 (3	6920 (1)	5210	
	1750	WB 7390	1.0	5937	,	6) 6230 (16)	5100	
	1751	WB 9904	1.0	5767		6330 (11)	5060	
	1767	UC 13010-23	1.0	5870		26) 5690 (32) (10) (10)	5680	
	1772 1773	LCS 11SB0096 LCS 11SB0097	1.0 1.0	5843 6150	6080 (3 6930 (5	30) 6190 (19) 5) 6570 (5)	5260 4950	
	1779	BAG NEW DIRKWIN HP	1.0	4300		(3) (45) (45)	4130	
	1789	UC 14010/17	1.0	5693	,	(12) 6000 (24)	4640	
	1790	UC 14010/20	1.0	6037	6510 (1	4) 6340 (10)	5260	
	1791	UC 14010/22	1.0	6187	,	2) 6560 (6)	5340	
	1792	UC 14010/29	1.0	6087	7280 (1		4970	
	1793	UC 14010/42	1.2	5433		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4690	
	1794 1802	SY 034 WB DA909-325	2.3 1.0	6207 6170		3) 6670 (4) 35) 6870 (2)	5330 5810	
	1802	WB DA907-005	1.0	5597		6330 (11)	4510	
	1804	LCS 10SB0087-B	1.1	5447		24) 5240 (41)	4810	
	1805	LCS UI-PLATINUM	3.1	5983		1) 6230 (16)	5050	
	1806	ABP 500553	2.8	6483	6990 (3		6180	
	1807	ABP 501189	1.3	5853	6800 (9		5380	
	1808 1809	APB 430429 APB 717	1.4 6.4	5177 3937		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	4430 2560	
RITICAI	E							
	3097	SY-TRICAL 105	1.0	6013	5750 (2		5820	
	3164	WB-PACHECO	1.0	5850	4950 (8		5880	
	3168	SY-CAMELOT	1.0	6067		0 6700 (4)	5710	
	3169	SY-158T	1.0	5757		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	5850	
	3170 3171	SY-115T BAG TYNDAL	1.0 1.7	6077 5367	5640 (4 5690 (3		5310 5220	
	3172	APB 660049	2.0	5110	5180 (6		4700	
	3173	APB 9919	1.0	5150		(70) 6390 (6)	4490	
	3174	BAG NU WHEAT	2.7	4733	5370 (5		4360	
	3175	BAG BG 198-14	1.0	4617	4920 (9	4500 (9)	4430	
	3176	BAG BG 225-14	1.0	4300	5040 (7	7) 3900 (11)	3960	
		MEAN			5000	5700	1000	
		MEAN	-	-	5890	5700 10 31	4880	
		CV LSD (0.05)	-	-	40.15 846.15	10.31 830.93	10.45 721.61	

Entry	Name	Stripe Rust	Yield SJ Valley		Yield KERN		Yiel FRES		Yie KIN	
CULTIVAR										
	2 78 WWW-DURAKING	1.3	6277		5970	(15)	7170	(10)	5690	(21)
	3 WWW-DORAKING 51 APB-KRONOS	3.0	5680		4930	(13) (30)	6720	(10) (22)	5390	(21)
11		1.2	6257		4930 5460	(22)	7060	(22) (11)	6250	(27)
11		1.2	5637		5040	(22)	6920	(11) (17)	4950	(34
12		2.0	5687		5080	(28)	6670	(17) (23)	4930 5310	(34
12		3.3	5410		5110	(27) (25)	5910	(34)	5210	(32
12		5.5 1.1	6447		6260	(6)	7750	(2)	5330	(32
13		1.1	6430		5430	(0) (23)	7590	(2)	6270	(5)
14		1.1	6507		6030	(23) (14)	7340	(8)	6150	(9)
14		1.0	6083		6060	(14) (12)	6800	(8)	5390	(9)
14		1.0	5797		4920	(31)	6940	(21) (15)	5530	(27
14	-	3.3	6143		4920 6320	(31)	6060	(30)	6050	(24
14			5790		5780		5970	. ,	5620	
		1.0	6403			(17)		(31)	5960	(22
15		1.3 2.0	6323		6300	(5)	6950 7400	(14)		(14
15					5750	(18)	7400	(7)	5820	(17
16		2.1	5420		4910	(32)	6350	(27)	5000	(33
16			5937		5040	(28)	6990	(13)	5780	(19
16		1.0	6600		5870	(16)	7750	(2)	6180	(8)
16		3.4	5990		6590	(3)	5940	(32)	5440	(25
16		1.6	6060		6150	(10)	6200	(28)	5830	(16
16		1.1	6947		6750	(1)	7970	(1)	6120	(10
17		1.3	5947		5300	(24)	6630	(24)	5910	(15
17	86 KAMUT	3.0	1355				1520	(36)	1190	(36
DVANCEI	LINES									
17	0 UC 13210-5	1.3	6893		6170	(7)	7720	(4)	6790	(1)
17	'1 UC 13210-21	1.0	6690		6160	(9)	7410	(6)	6500	(4)
17	6 WWW D2517Bell25	1.6	6147		6070	(11)	6810	(19)	5560	(23
17	06 UC 14215/9	1.3	6613		6040	(13)	7260	(9)	6540	(2)
17	07 UC 14215//11	1.1	6290		6700	(2)	6470	(26)	5700	(20
17	08 UC 14215/14	1.0	5810		5590	(19)	5580	(35)	6260	(6)
17	09 UC 14215/42	2.4	5713		5690	(20)	6090	(29)	5360	(29
18	00 AS COLOMBO	2.6	4917		4400	(33)	5940	(32)	4410	(35
18	01 WWW D3.085	2.3	5783		5110	(25)	6810	(19)	5430	(26
18		1.9	6357		6170	(7)	6840	(18)	6060	(11
18		2.5	6730				6940	(15)	6520	(3)
18	2 APB 571353	3.2	6520				7030	(12)	6010	(13
18	.3 APB 335	1.0	5960		5490	(20)	6570	(25)	5820	(17
	MEAN	_	_		5710		6670		5650	
	CV	-	_		9.85		10.29		8.43	
	LSD (0.05)	_	_		ns		984.47		683	
Rating scale	For Stripe Rust (area of flag-	1 leaf affecte	$(1) \cdot 1 = 0.3\%$	2 - 1		15 2004)0/ 5 -		6 -

Entry	Name		eld acre)	Test Wt (lbs/bu)	Plant Ht (in)	Lodging Soft Dough	Stripe Rust 4/21	Powder Mildew 4/21
	<u>IVARS</u>							
603	UC 603	4850	(16)	49.5	35	3.0	1.0	2.3
816	MAX	4530	(25)	52.7	38	4.0	3.3	3.0
933	UC 933	5330	(2)	50.1	37	6.8	1.0	1.0
969	UC 969	4430	(28)	52.1	35	5.3	1.0	2.5
1047	ISHI	4610	(22)	50.2	35	6.0	1.0	1.3
1134	TAMALPAIS	4880	(15)	56.3	34	4.8	1.0	1.0
ADVA	ANCED LINES							
162	UCD BR6	2950	(35)	45.9	43	2.0	1.0	5.0
1255	UCD B369	5180	(5)	49.6	37	5.5	1.0	1.3
1256	UCD B398		-	-	-	-	-	-
1261	UCD A237	5160	(6)	49.4	37	5.5	1.0	2.3
1263	UCD 1263	4180	(30)	58.8	40	3.8	1.0	1.0
1266	UCD 1266	4730	(19)	57.6	35	5.5	1.0	1.0
1280	UCD 1280	4470	(27)	51.1	38	6.0	1.0	1.0
1317	UCD 1317	4490	(26)	57.0	36	5.5	1.0	1.5
1318	UCD 1318	4200	(29)	57.7	30	7.0	1.0	2.5
1319	UCD 1319	4590	(24)	57.2	35	3.8	1.0	1.3
1321	UCD 1321	4610	(22)	59.2	39	6.3	1.0	1.3
1351	UCD UYP 210	4950	(13)	51.2	38	6.5	1.0	1.3
1360	UCD BUTTA 12-96	4180	(30)	53.0	38	4.0	1.0	1.3
1379	UCD UYP3	4950	(13)	50.4	37	6.8	1.0	1.0
1383	UCD UYP210	5030	(11)	50.4	32	5.5	1.0	1.5
1385	UCD 08YP 111 (1231 LATE)	5090	(9)	49.3	38	4.0	1.0	2.0
1390	UCD 1390	3410	(33)	54.7	39	5.5	1.0	1.0
1399	UCD UOP 95	5130	(7)	49.6	36	6.0	1.0	1.0
1400	UCD UOP 96	4680	(21)	50.8	34	6.0	1.0	3.3
401	UCD UOP 97	5330	(2)	50.1	39	5.5	1.0	1.5
1402	UCD UOP 98	5050	(10)	50.4	35	6.0	1.0	1.0
1403	UCD UOP 99	5000	(12)	50.5	31	6.0	1.0	1.0
1404	UCD UOP 100	5250	(4)	48.9	37	4.3	1.0	1.5
1405	UCD UOP 102	4770	(17)	49.3	33	5.8	1.0	1.8
1406	UCD UOP 105	5350	(1)	50.5	35	6.0	1.0	1.8
1407	UCD UOP 110	4090	(32)	50.5	25	4.3	1.0	2.0
1408	UCD UOP 111	5130	(7)	57.9	25	5.0	1.0	1.8
1409	UCD MP103	4730	(19)	53.7	28	3.8	1.0	1.0
1410	UCD MP179	4770	(17)	52.0	27	3.5	1.0	1.0
1411	OSU-FULL PINT	3360	(34)	53.3	24	4.8	1.0	6.5
	MEAN	46	70	52.3	35	5.1	1.1	1.8
	CV	11	.48	2.0	10.12	21.1	23.9	37.7
	LSD (0.05)	769	9.15	1.5	5.02	1.6	0.4	1.0

Variety	Туре	Harvest % H ₂ O	Tons/A 70% H ₂ O ¹	Lodging %
Tricale 115	Т	59.8	23.4 a	32.5
Tricale 158 EP	Т	65.3	22.8 a	7.5
Tricale 105	Т	60.8	21.1 ab	64.4
WB-9904	HRS	58.8	20.8 ab	46.3
	Beardless			
Camelot	Т	61.8	20.7 ab	57.5
Patwin 515	HWS	52.3	19.8 ab	11.3
	Beardless			
WB-Patron	HRS	48.0	19.4 ab	68.1
Pacheco	Т	60.5	19.3 ab	49.4
G 4 51 5	UDC	50 F	10.1	51.0
Summit 515	HRS	53.5	19.1 ab	51.9
T II 4mo	UDC	57.0	170 ah	52.9
Ultra	HRS	57.0	17.8 ab	53.8
Forage Blend	n/a	76.0	17.7 ab	11.3
r or age Dienu	11/ a	70.0	1/./ au	11.3
SY 314	HRS	56.3	17.2 ab	65.0
		50.5	1/02 40	05.0
Blanca Grande 515	HWS	46.7	15.5 ab	75.0
Cal Rojo	HRS	55.5	14.5 b	56.9

Small Grain Silage Variety Trial 2015 Visalia - Wright, Clark, Parry, Martinez, Taylor, Frigulti, Padilla, and Giron

¹ Means followed by the same lower case letter are not significantly different according to Tukey HSD ($\alpha = 0.05$)

This study was planted November 17, 2014 at 135 lbs./acre. Plot size was 20 by 1200 ft. and was replicated four times. Yields were lower this year most likely due to high temperatures. Although varieties are ranked highest to lowest, there were no statistical differences between varieties except for two triticales compared to the grain type Cal Rojo wheat. Under the conditions of this study, there was considerable variability. Silage harvest moistures were drier than expected. Lodging was high in most varieties except for Triticale 158 EP, Patwin 515, and the forage blend which had excellent lodging resistance.

Small Grain Silage Variety Trial 2014

Tulare/Kings Co. - Wright, Banuelos, Souza, Collar

Variety	Туре	Harvest % H20	Tons/A 70% H20	Height (in)	Lodging %
Patwin	HWW	65.9	24.9	35	34
Triticale 115	Т	71.0	24.0	40	0
Pacheco	Т	70.1	23.1	46	45
Triticale 158 EP	Т	73.5	23.1	42	1
Triticale 105	Т	70.1	22.9	46	62
SY 314	HRW	63.8	22.7	37	67
Joaquin Oro	HRW	59.8	22.5	36	47
Summit 515	HRW	64.5	22.3	36	63
Cal Rojo	HRW	63.5	22.2	33	54
WB Patron	Beardless HRW	63.9	21.8	40	69
Camelot	Beardless T	68.9	21.2	43	55
LC Star	HWW	66.9	21.0	38	77
PR 1404	Beardless HRW	69.4	20.5	40	76
Blanca Royale	HWW	65.7	19.8	36	58
SY VACA	Beardless SRW	72.4	19.7	40	32
Ultra	HRW	66.6	19.4	35	78
Blanca Grande 515	HWW	62.7	19.3	37	78

Small Grain Silage Variety Trial 2014

Tulare/Kings Co. - Wright, Banuelos, Souza, Collar

Variety	Protien % DM	ADF	NDF	Lignin	Ash	TDN
Summit 515	13.6	28.1	43.5	3.8	9.5	63.5
Blanca Grande 515	13.4	28.4	43.9	3.9	9.5	63.1
Ultra	13.2	29.7	45.5	4.2	9.8	62.1
Cal Rojo	12.5	27.8	43.0	3.8	9.7	63.8
SY VACA	13.4	36.5	54.3	4.9	11.5	57.6
Blanca Royale	12.6	29.1	45.0	4.1	9.4	62.8
Patwin	12.8	30.7	47.0	4.1	10.0	61.8
LC Star	12.4	33.2	49.8	4.8	10.2	59.8
SY 314	12.2	31.9	48.0	4.4	10.9	59.8
WB Patron	12.6	29.7	45.7	4.1	9.2	62.9
PR 1404	12.9	31.8	48.1	4.4	10.3	61.0
Joaquin Oro	15.1	26.7	41.6	3.8	10.1	63.0
Pacheco	11.0	30.1	46.5	4.1	8.6	63.8
Camelot	11.3	31.9	49.0	4.6	8.3	62.4
Triticale 105	12.0	30.5	46.8	4.5	8.7	63.3
Triticale 115	10.4	30.6	46.6	4.5	9.1	62.7
Triticale 158 EP	10.7	33.3	50.7	4.9	8.6	61.3

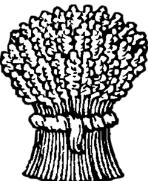
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Small Grain News

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Fresno County Small Grain Variety Performance Trials 2015 California Wheat Variety Survey California Wheat Commission 2015 Tulare County Small Grain Silage Variety Trial



Steve Wright Farm Advisor

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