

Fresno County Small Grain Variety Performance Trials

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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

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2015 California Wheat Variety Survey

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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
	Percent*	0.2%	2.3%		0.7%		3.3%	
(PVP) Patwin 515 (PVP)	Acres	2,800	600		0.770		3,400	2.9% N/A
	Percent*	0.7%	0.1%				0.8%	
WB Perla	Acres	0.770	2,000				2,000	
			0.5%				0.5%	
PVP. Patent # 8,519,246 Other/Unknown	Percent*	2 000	900				11. March 10. Ma	0.4%
	Acres	2,800					3,700	
Hard White	Percent*	0.7%	0.2%	-			0.9%	2.9%
Soft White Wheat			-			0 600	0 500	
Alpowa	Acres		-			6,500	6,500	
10	Percent *	700	10.000			1.5%	1.5%	
¹ New Dirkwin (PVP)	Acres	700	10,000				10,700	
	Percent *	0.2%	2.3%				2.5%	
Tubbs	Acres					2,000	2,000	
1 - •	Percent*	_				0.5%	0.5%	
¹ Twin	Acres		-			3,500	3,500	
1	Percent*					0.8%	0.8%	
¹ Yamhill	Acres					7,500	7,500	
	Percent*					1.8%	1.8%	
Other/Unknown	Acres	200	200			4,730	5,130	
Soft White	Percent*	0.0%	0.0%			1.1%	1.2%	0.9%
RED VARIETIE	S							
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	
	Percent*	0.1%	3.5%		0.7%		4.3%	5.0%
WB Joaquin Oro	Acres	0.170	20,000		0.170		20,000	
PVP. Patent # 8,507,775	Percent*		4.7%				4.7%	
¹ PR 1404 (PVP)	Acres	8,000	32,000	500		1,500	42,000	63,000
	Percent*	1.9%	7.5%	0.1%		0.4%	9.9%	12.3%
SY-Summit 515 (PVP)	Acres	13,000	68.000	0.176		0.4 /0	81,000	
	Percent*	3.1%	16.0%				19.0%	90,000 17.5%
¹ Triple IV (PVP)	Acres	500	25,000	1,000			26,500	22.500
TIPIETV (PVP)	Percent*	0.1%	5.9%	0.2%			6.2%	
111400 (010)		0.1%		0.2%				Sector Sector
¹ Ultra (PVP)	Acres		15,000				15,000	
ND 0440	Percent*	4 000	3.5%				3.5%	
WB 9112	Acres	4,000	3,000				7,000	
(PVP pending)	Percent*	0.9%	0.7%				1.6%	
WB 9229 (PVP)	Acres	12,800	5,000	0.00/			17,800	
1 14/0 0-4	Percent*	3.0%	1.2%	0.0%		4 000	4.2%	
¹ WB-Patron	Acres	20,000	60,000	2,500		1,000	83,500	- 270,7×0057750
PVP. Patent # 8,513,506	Percent*	4.7%	14.1%	0.6%		0.2%	19.6%	
Yecora Rojo	Acres		4,000		10,000	3,500	17,500	
~	Percent*		0.9%		2.3%	0.8%	4.1%	
Other/Unknown	Acres	3,700	11,300	1,000	4,000	770	20,770	
Red	Percent*	0.9%	2.7%	0.2%	0.9%	0.2%	4.9%	
TOTAL (ALL WI		80,000	290,000	5,000	20,000	31,000	426,000	513,000
OTHER THAN D	URUM	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							
Desert King (PVP)	Acres				20,000	2	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	2	24,500	9,000
5-1 5-1	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				6,300	Ş	6,300	N/A
	Percent*				6.4%		6.4%	
Volante (PVP)	Acres		4,500	200			4,700	4,000
P 20 20	Percent*		4.6%	0.2%			4.8%	8.5%
WB Mohave (PVP)	Acres				6,000	8	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%
	X10.001010101							

* 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.

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7	Nome	Stripe	Yield	Yield	Yield	Yield
Entry	Name	Rust	SJ Valley	KERN	FRESNO	KINGS
CULTIVARS		1.0	1207	1200 (10)	5000 (12)	2520
	340 WWW- MIKA361 UC-CLEAR WHITE	4.8 2.8	4297 4777	4280 (48) 6230 (27)	5090 (43) 3090 (50)	3520 (4 5010 (1
	419 UC-PATWIN	2.8 1.0	5427	5610 (38)	5720 (29)	4950 (1
	424 WB-JOAQUIN	6.5	5407	6850 (7)	5790 (28)	3580 (4
	478 SY-CAL ROJO	1.0	4757	5460 (41)	3750 (48)	5060 (
	495 UC-LASSIK	1.0	5460	4950 (45)	6050 (22)	5380 (
1	521 SY-REDWING	2.2	5927	6280 (25)	6300 (13)	5200 (
1	522 SY-BLANCA ROYALE	1.1	5937	6230 (27)	6740 (3)	4840 (
	526 WB-PR 1404	1.7	5357	5480 (40)	5700 (30)	4890 (
	550 WB-TRIPLE IV	4.9	4823	5500 (39)	5700 (30)	3270 (
	590 SY-ULTRA	1.1	5000	5240 (44)	4000 (47)	5760 (
	608 WWW-FV 2808	3.0	5637	6090 (29) 5250 (42)	6210 (18) 5120 (42)	4610 (
	650 WB-ROCKLAND	1.0	4997	5350 (42)	5120 (42)	4520 (
	657 SY-BLANCA GRANDE 515 658 SY-SUMMIT 515	1.0 1.0	5687 5680	6910 (6) 6340 (20)	5510 (37) 5580 (36)	4640 (5120 (
	660 SY-314	1.0	5843	6310 (22)	6430 (7)	4790 (
	667 BAG-NEW DIRKWIN	1.0	4693	4340 (47)	6190 (19)	3550 (
	680 UC-PATWIN 515	1.0	5020	5770 (36)	4260 (46)	5030 (
	688 LCS-STAR	1.0	6177	6840 (8)	6290 (14)	5400
	723 LCS-ATOMO	1.9	6120	7140 (2)	5630 (34)	5590
	728 WB-JOAQUIN ORO	1.2	5560	6490 (15)	5650 (33)	4540 (
	729 WB-PERLA	1.0	5587	6750 (10)	5600 (35)	4410
	730 WB-9229	1.1	5780	6360 (19)	6390 (9)	4590
	731 WB-PATRON	1.0	5737	6040 (32)	6100 (21)	5070
	748 WB-9112	1.0	5767	6940 (4)	5490 (38)	4870
	749 WB-7618	1.0	5763	6450 (17)	5890 (27) 5060 (25)	4950 (
	766 SY-VACA 778 ASSY-TAM 204	1.7 1.1	4733 4490	3410 (50) 4920 (46)	5960 (25) 3410 (490	4830 (5140 (
	795 SY-DAYN	1.1	5520	5340 (43)	6400 (8)	4820 (
1	20 UC-ANZA	7.0	5930		5930 (26)	
DVANCE) I INES					
	745 UC12014/35	1.0	5930	5660 (37)	6920 (1)	5210 (
	750 WB 7390	1.0	5937	6480 (16)	6230 (16)	5100
	751 WB 9904	1.0	5767	5910 (34)	6330 (11)	5060
1	767 UC 13010-23	1.0	5870	6240 (26)	5690 (32)	5680
1	772 LCS 11SB0096	1.0	5843	6080 (30)	6190 (19)	5260 (
	773 LCS 11SB0097	1.0	6150	6930 (5)	6570 (5)	4950 (
	779 BAG NEW DIRKWIN HP	1.0	4300	4180 (49)	4590 (45)	4130 (
	789 UC 14010/17	1.0	5693	6440 (18)	6000 (24)	4640 (
	790 UC 14010/20	1.0	6037	6510 (14)	6340 (10)	5260
	791 UC 14010/22 792 UC 14010/29	1.0 1.0	6187 6087	6660 (12) 7280 (1)	6560 (6) 6010 (23)	5340 4970
	793 UC 14010/29	1.0	5433	6330 (21)	5280 (40)	4970 (4690 (
	794 SY 034	2.3	6207	6620 (13)	6670 (4)	5330
	802 WB DA909-325	1.0	6170	5830 (35)	6870 (2)	5810
	803 WB DA907-005	1.0	5597	5950 (33)	6330 (11)	4510
	804 LCS 10SB0087-B	1.1	5447	6290 (24)	5240 (41)	4810
	805 LCS UI-PLATINUM	3.1	5983	6670 (11)	6230 (16)	5050 (
	806 ABP 500553	2.8	6483	6990 (3)	6280 (15)	6180 (
	807 ABP 501189	1.3	5853	6800 (9)	5380 (39)	5380
	808 APB 430429 809 APB 717	1.4	5177 3937	6060 (31) 6300 (23)	5040 (44) 2950 (51)	4430 2560
		6.4	3931	0300 (23)	2950 (51)	2560
RITICALE	097 SY-TRICAL 105	1.0	6013	5750 (2)	6470 (5)	5820
	164 WB-PACHECO	1.0	5850	4950 (8)	6720 (3)	5880
	168 SY-CAMELOT	1.0	6067	5790 (10	6700 (4)	5710 (
	169 SY-158T	1.0	5757	4530 (11)	6890 (2)	5850
	170 SY-115T	1.0	6077	5640 (4)	7280 (1)	5310
	171 BAG TYNDAL	1.7	5367	5690 (3)	5190 (8)	5220 (
	172 APB 660049	2.0	5110	5180 (6)	5450 (70	4700 (
	173 APB 9919	1.0	5150	4570 (10)	6390 (6)	4490 (
	174 BAG NU WHEAT	2.7	4733	5370 (5)	4470 (10)	4360 (
	175 BAG BG 198-14	1.0	4617	4920 (90	4500 (9) 3000 (11)	4430
3	176 BAG BG 225-14	1.0	4300	5040 (7)	3900 (11)	3960
	MEAN	_	_	5890	5700	4880
	CV	-	-	40.15	10.31	10.45
	LSD (0.05)			846.15	830.93	721.61

Entry	Name	Stripe Rust	Yield SJ Valley	Yield KERN		Yiel FRES		Yie KIN	
CULTIVARS									
<u>878</u>	WWW-DURAKING	1.3	6277	5970	(15)	7170	(10)	5690	(21)
951		3.0	5680	4930	(30)	6720	(22)	5390	(27)
1166		1.2	6257	5460	(22)	7060	(11)	6250	(7)
1210		1.0	5637	5040	(28)	6920	(17)	4950	(34
1211		2.0	5687	5080	(27)	6670	(23)	5310	(31
1215		3.3	5410	5110	(25)	5910	(34)	5210	(32
1375		1.1	6447	6260	(6)	7750	(2)	5330	(30
1429		1.1	6430	5430	(23)	7590	(5)	6270	(5)
1431		1.0	6507	6030	(14)	7340	(8)	6150	(9)
1440		1.8	6083	6060	(11)	6800	(21)	5390	(27
1473		1.1	5797	4920	(31)	6940	(15)	5530	(24
1479		3.3	6143	6320	(4)	6060	(30)	6050	(12
1484		1.0	5790	5780	(17)	5970	(31)	5620	(22
1582		1.3	6403	6300	(5)	6950	(14)	5960	(14
1582		2.0	6323	5750	(18)	7400	(7)	5820	(17
1607		2.0	5420	4910	(32)	6350	(27)	5000	(33
1627		1.0	5937	5040	(28)	6990	(13)	5780	(19
1640		1.0	6600	5870	(16)	7750	(13) (2)	6180	(8)
1654		3.4	5990	6590	(3)	5940	(32)	5440	(25
1690		1.6	6060	6150	(10)	6200	(28)	5830	(16
1697		1.1	6947	6750	(10) (1)	7970	(1)	6120	(10
1721		1.3	5947	5300	(24)	6630	(24)	5910	(15
1786		3.0	1355		(21)	1520	(36)	1190	(36
ADVANCED	LINES								
1770	UC 13210-5	1.3	6893	6170	(7)	7720	(4)	6790	(1)
1771	UC 13210-21	1.0	6690	6160	(9)	7410	(6)	6500	(4)
1776	WWW D2517Bell25	1.6	6147	6070	(11)	6810	(19)	5560	(23
1796	UC 14215/9	1.3	6613	6040	(13)	7260	(9)	6540	(2)
1797	UC 14215//11	1.1	6290	6700	(2)	6470	(26)	5700	(20
1798	UC 14215/14	1.0	5810	5590	(19)	5580	(35)	6260	(6)
1799	UC 14215/42	2.4	5713	5690	(20)	6090	(29)	5360	(29
1800		2.6	4917	4400	(33)	5940	(32)	4410	(35
1801		2.3	5783	5110	(25)	6810	(19)	5430	(26
1810		1.9	6357	6170	(7)	6840	(18)	6060	(11
1811	APB 571189	2.5	6730			6940	(15)	6520	(3)
1812	APB 571353	3.2	6520			7030	(12)	6010	(13
1813	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	

Entry	Name	Yie (lbs/a	eld acre)	Test Wt (lbs/bu)	Plant Ht (in)	Lodging Soft Dough	Stripe Rust 4/21	Powder Mildew 4/21
	IVARS	10 70		10 -		• •		
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	NCED 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
1401	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		.48	2.0	10.12	21.1	23.9	37.7
	LSD (0.05)		.40).15	1.5	5.02	1.6	0.4	1.0

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

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
Camelot	Beardless T	61.8	20.7 ab	57.5
Patwin 515	HWS	52.3	19.8 ab	11.3
WB-Patron	Beardless HRS	48.0	19.4 ab	68.1
Pacheco	Т	60.5	19.3 ab	49.4
Summit 515	HRS	53.5	19.1 ab	51.9
Ultra	HRS	57.0	17.8 ab	53.8
Forage Blend	n/a	76.0	17.7 ab	11.3
SY 314	HRS	56.3	17.2 ab	65.0
Blanca Grande 515	HWS	46.7	15.5 ab	75.0
Cal Rojo	HRS	55.5	14.5 b	56.9

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

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

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

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

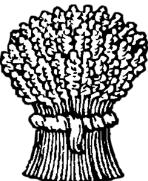
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Small Grain News

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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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