



Agronomy Research and Information Center AGRONOMY PROGRESS REPORT

Agricultural Experiment Station Cooperative Extension



October 2010 – No. 303

2010 REGIONAL BARLEY, COMMON WHEAT AND TRITICALE, AND DURUM WHEAT PERFORMANCE TESTS IN CALIFORNIA¹

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University of California Cooperative Extension cereal evaluation tests were conducted in the Sacramento, San Joaquin, and Imperial Valleys; the intermountain valleys of northern California and in the south central coastal region in 2010. Entries in the tests included standard cultivars, new and soon-to be released cultivars, and advanced breeding lines from both public and private breeding programs. Fall sown spring barley (30 entries) was evaluated at 8 sites and spring-sown spring barley (27 entries) was evaluated at three sites. Fall-sown winter wheat (40 entries) was evaluated at two sites; fall-sown spring wheat and triticale (51 entries total), at 12 sites (not all entries were evaluated at all sites); and spring sown spring wheat (34 entries), at three sites. Durum wheat (38 entries) was evaluated at 5 sites (not all entries were evaluated at all sites).

Tests were conducted at University of California Field Stations or in fields of cooperating growers. Tests were sown at seeding rates of 1.2 million seeds per acre for common and durum wheat tests (equivalent to 88 to 139 lbs/acre for common wheat, and from 113 to 180 lbs/acre for durum wheat, depending on the entry) if irrigation was planned. For rainfed environments seed rates were 1.0 million seeds per acre (equivalent to 69 to 126 lbs/acre for wheat and barley, and 78 to 107 lbs/acre for triticale).

Randomized complete block designs with four replications were used for all tests except the fall-sown winter wheat and spring-sown spring wheat tests for which three replications were used. Each plot was nine drill rows wide (5 to 6-inch row spacing) and 20 feet long, except at the UC Desert Research and Extension Center (Imperial) where plots were 16 feet long. Grain was harvested with a Wintersteiger Seedmaster Universal 150 plot combine. Foliar diseases were assessed at the soft-to-medium dough stage of growth by estimating the percentages of areas of penultimate leaves (flag-1 leaf) affected. BYD assessments, however, were based on the percentage of plants showing symptoms. Black point was assessed on grain samples of durum wheat after harvest. Yield, test weight, kernel weight, plant height, days to heading and maturity, lodging, shattering, disease reaction, and grain quality were determined as indicated in the tables. Information regarding each site is given in Table 1.

The California small grain crop in 2010 consisted of 715,000 acres of wheat (including 115,000 acres of durum), 100,000 acres of barley, and 240,000 acres of oat (http://www.nass.usda.gov/QuickStats/Create_Federal_All.jsp).

¹ These tests were conducted by the UC Davis Department of Plant Sciences. Land for the tests, the grain produced and other facilities were contributed by cooperating growers identified in Table 1. Quality evaluations were provided by the California Wheat Commission (CWC) quality laboratory. The assistance of growers and the CWC quality laboratory is greatly appreciated. The regional testing program is supported in part by funds provided by the California Crop Improvement Association and the California Wheat Commission/UC Discovery Grant.

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Total 2010 estimated wheat planted in California was down approximately 6% from last year's estimated plantings. White and Red variety acreage increased by approximately 9%, however only 48% of last year's Durum acreage was planted this year. Non-durum acreage showed increases in all regions except for the Coast region (very wet) and the Northern CA region (water uncertainties). Timely rains increased non-durum plantings in Southern CA.

CALIFORNIA'S RED AND WHITE WHEATS: Red wheat estimated planted acreage was up significantly over last year. Hard white wheat plantings were also slightly up. Many San Joaquin durum growers shifted to red wheat due to its price advantage this year. Overall, Joaquin and PR1404 topped the list of hard red varieties planted throughout the state at ~120,000 acres each. Ultra, Redwing, and Cal Rojo each accounted for approximately 50,000 acres each. Blanca Royale (San Joaquin Valley) and Blanca Fuerte (Sacramento and San Joaquin regions) had the largest acreage of Hard White wheat. Soft white wheat plantings (11,800 acres) were slightly higher than in 2009.

DESERT DURUM®: After 2 years of larger-than-average Desert Durum® wheat plantings, Southern CA is back to "more normal" wheat acreage with approximately 59,000 acres in the region. The San Joaquin Valley region, however, had its smallest estimated planted durum acreage since 1995, mainly due to depressed durum prices. Orita, Desert King, and Havasu were the predominant varieties planted in Imperial Valley this year, whereas Platinum dominated plantings in San Joaquin Valley.

<http://californiawheat.org/Variety%20Surveys/VarSurvey2010%20website.pdf>

In 2010, temperatures throughout California were consistently cool throughout the growing season, even cooler than 2009 (a cooler-than-average year). On average, most of our locations received 3 inches more of rain than in 2009. This extra rainfall resulted in excellent stands and yield in our regional dryland trials. In addition to the high total rain, the number of rainy days was also very high. The 2010 cropping season favored disease development, especially for stripe rust. High rainfall during the season and unusually cool temperatures throughout the month of May resulted in continued development and increases in severity of stripe rust much later in the season than usual.

The 2009 stripe rust race survey received in 2010 identified PST 98 (42%), PST 100 (17%), PST 102 (25%), PST 127 (8%) and PST 139 (8%) as the prevalent races in California. Leaf rust appeared very late in the 2010 cropping season, so no leaf rust evaluation was made. The 2009 leaf rust race analysis identified MBDSB and MCDSB as the most prevalent races in California. MBDSB is virulent to *Lr1*, *Lr3*, *Lr17*, *LrB*, *Lr10*, and *Lr14a* while MCDSB is virulent to *Lr1*, *Lr3*, *Lr26*, *Lr17*, *LrB*, *Lr10*, and *Lr14a*.

WHEAT

Fall-sown winter wheat. Entries for the fall-sown winter wheat test (Oregon Winter Elite Yield Trial), were provided by Mike Flowers (Extension Specialist, Oregon State University). The test contained 40 entries (19 cultivars and 21 advanced lines), and was evaluated at two sites, Montague (Siskiyou county) and Tulelake (Modoc county) (Tables 25-28). Average yields ranged from 5,510 lb/acre in Siskiyou to 7,400 lb/acre in Tulelake. In Siskiyou, Bruneau and AP Legacy were the highest yielding lines and in Tulelake, Xerpha and OR2070385 were the two highest yielding lines.

Fall-sown spring wheat and triticale. The fall-sown spring wheat and triticale test contained 51 entries (21 wheat cultivars, 25 advanced lines, 3 triticale cultivars, and 2 advanced triticale lines). Entries in the test, type, background, and seed sources are shown in Table 2. Yield, agronomic performance, and quality data are given in Tables 3-19. This test was grown in 13 sites, 7 irrigated and 6 rainfed. Not all

entries were grown in all locations. Chico and Clarksburg were not harvested due to high levels of weeds. At UC Davis, non-uniform field conditions led to standing water and low stands and yields at the north and south ends of the field. Yields were estimated from unaffected reps. Stripe rust infections in 2010 were limited to previously known susceptible lines (Tables 14-15).

Grain protein content was measured from three sites in the Sacramento Valley and three sites in the San Joaquin Valley (Table 16). Average grain protein content ranged from 9.8% to 15.2% for samples from the Sacramento Valley and from 11.4% to 14.4% for samples from the San Joaquin Valley. WB SJ908-214 showed the highest grain protein content among the new experimental lines, whereas Paloma and Patwin showed the highest grain protein content among the established varieties. Quality evaluations (conducted by the California Wheat Commission laboratory) of samples from the Kings site (Table 17), Colusa site (Table 18a), and Davis site (Table 18b) show that established varieties Summit, Blanca Grande, Espresso, Joaquin, Blanca Fuerte, Patwin, Christallo, Paloma, and several experimental breeding lines produced high loaf volume and very good to excellent overall bread scores (scores 4 and 5).

In 2010, average grain yields ranged from 2,520 lb/acre in the Tulare rainfed site to 7,900 lb/acre at the Kings site. In the Sacramento Valley, Summit and RSI 04W40311 were the highest yielding wheat varieties and RSI 05T14065 was the highest yielding triticale variety (Table 19). In the San Joaquin Valley, Patwin, Blanca Fuerte and Lassik were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale (Table 19). In the Imperial Valley, Summit and Blanca Fuerte were the highest yielding wheat varieties and Pacheco was the highest yielding triticale (Table 19). In the rainfed trials, WB DA905-10 and Blanca Grande 515 were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale (Table 19).

When the three year period (2008-10) is considered, in the Sacramento Valley, Blanca Fuerte, Lassik and Redwing were the three highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale. During the same three year period in the San Joaquin Valley, Patwin, Lassik and Redwing were the highest yielding among the established wheat varieties and Trical Brand 118 was the highest yielding triticale. In the Imperial Valley (2008-10), UC1600, Christallo and Blanca Fuerte were the highest yielding wheat varieties and Pacheco was the highest yielding triticale. In the rainfed sites (2008-2010), Blanca Fuerte, Christallo and Joaquin were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale (Table 19).

Spring-sown spring wheat. The spring-sown spring wheat test (Oregon Spring Wheat Elite Yield Trial) was provided by Mike Flowers (Extension Specialist, Oregon State University). Two additional lines were added to the test in Tulelake. The test contained 36 entries (24 cultivars and 12 advanced lines, Table 20), and was evaluated at three sites (Tables 21-24). Average grain yields ranged from 4,780 lb/acre in Tulelake to 6,020 lb/acre in Siskiyou. ID0644 was the highest yielding at the Siskiyou site. Petit was the highest yielding variety in Lassen, and Alturas was the highest yielder in Tulelake. Overall in 2010 Babe was the highest yielding wheat among the three (Siskiyou, Lassen, and Tulelake) sites (Table 24).

Durum wheat. The durum wheat test contained 38 entries (14 cultivars and 24 advanced lines). Entries in the test, their backgrounds, and seed sources are shown in Table 29. Yield, agronomic performance, and quality data are given in Tables 30-40. Grain protein content of samples from four sites in the Central Valley and the Imperial site was measured and are reported in Table 35. Average grain protein content ranged from 10.9% to 13.1% for samples from the Central Valley, and from 12.7% to 15.1% for samples from the Imperial site. Quality evaluations (conducted by the California Wheat Commission laboratory)

of samples from Kings (Table 36) Imperial (Table 37) and UC Davis (Table 38) showed that samples of 8 entries from the Imperial Site and samples of 6 entries from the Kings site had excellent pasta color scores.

Average grain yields ranged from 6,340 lb/acre at UC Davis to 8,380 lb/acre at Imperial. Westmore was the highest yielding variety in the San Joaquin Valley and RSI 59 was the highest yielding variety in the Imperial Valley. Among the varieties that were tested during the last three years (2008-2010), Westmore, Volante, Platinum and Desert King were the highest yielding varieties in the San Joaquin Valley, and the new UC Davis variety Tipai (UC1585), Saragolla, and RSI 59 were the highest yielding varieties in the Imperial Valley (Table 40).

BARLEY

Fall-sown spring barley. The fall-sown spring barley test contained 30 entries (7 cultivars and 23 advanced lines). This test was planted in 8 locations, (3 irrigated and 5 rainfed). Entries in the test, type of barley, their backgrounds, and seed sources are shown in Table 41. Yield and agronomic performance data are given in tables 42-49. Weeds took over the rainfed barley trial in Chico, as it was on organic land and no herbicide was used. Wild rye infested the rainfed barley trial in Clarksburg, and we were unable to save the crop. Both sites were abandoned.

Average yields ranged from 1,350 lb/acre at the Tehama rainfed site to 6,580 lb/acre at the Fresno site. In 2010, UCD A237 and UCD 08YP 111 were the highest yielding lines in the Sacramento Valley. In the San Joaquin Valley, UCD 08YP 111 and UCD B398 were the highest yielding lines, and in the Rainfed sites, ISHI and UCD 08YP301 were the highest yielding lines.

Spring-sown spring barley. The Intermountain spring barley test contained 27 entries (8 cultivars and 19 advanced lines). This test was planted in 3 locations. Entries in the test, type of barley, their backgrounds, and seed sources are shown in Table 50. Yield and agronomic performance data are given in Tables 51-54. Average yields ranged from 4,480 lb/acre in Tulelake to 6,030 lb/acre in Siskiyou. In 2010, UCD 4B and Millennium were the two highest yielding lines. In the three year period from 2008-2010, TLB 148 and Millennium were the two highest yielding lines.

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Table 1. SITE CHARACTERISTICS FOR UC REGIONAL CEREAL EVALUATION TESTS, 2010

LOCATION	TESTS	SOWING DATE	SOIL TYPE	2009 CROP	FERTILIZATION	IRRIGATION	RAIN (YEAR) (in)
Colusa Co., Erdman Farm, Grimes	Wheat	11/3/09	Scribner silt loam	Vinseeds	80# 11-52-0 with seed 120-125# N (NH ₃)	Furrow 1X (6" total)	18.0
Fresno Co., UC Westside REC, Five Points	Wheat Durum Barley	11/17/09	Panoche Clay loam	Fallow	80# 11-52-0 with seed 73# N preplant Topdress: 15# N (urea); 5# N (foliar - UN-32)	Flood 3X (15.3" total)	7.2
Imperial Co., UC Desert REC, El Centro	Wheat Durum	12/9/09	Imperial-Glenbar silty clay loam	Sudangrass	100# N (urea), 60# P ₂ O ₅ preplant, 220# N (anhydrous ammonia in 3 irrigations)	Flood 4X (32" total)	2.5
Kern Co., J.G. Boswell Co. Buena Vista Ranch Old River	Wheat Durum	12/4/09	Zalvidea Sandy loam	Cotton	80# 11-52-0 with seed 80# N (NH ₃) between 2 irrigations	Flood: 5X (40" total)	5.7
Kings Co., Boyets Farms Corcoran,	Wheat Durum	12/3/09	Armona Loam and Gepford Clay	Cotton	Preplant: 100# 11-52-0 and 100# N (urea) Seeding: 80# 11-52-0 Topdress: 2X 50# N (urea, UN-32) with irrigation; 100# N (urea, UN-32) with last irrigation	Flood: 3X (18" total)	8.5
San Joaquin Co, Victoria Island Farms Sac-San Joaquin Delta (Stockton)	Wheat	12/9/09	Egbert muck	Corn	150# 11-52-0 at planting ; 30# Urea topdress 80# 11-52-0 with seed	Furrow 2X (12" total)	9.9
San Luis Obispo Co., White Ranch Shandon	Wheat Barley	11/18/09	Pico-San Emigdio-Sorrento loamy sand to fine sand	Barley	60# 11-52-0 with seed	None	11.3
Siskiyou Co., Peters Ranch Montague	Wheat	10/22/09	Clay loam	Alfalfa	128# NH ₃ ; 105# N 80# 11-52-0 with seed	Flood 2X (16" total)	9.3
Siskiyou Co., Bryan/Morris Ranch Fort Jones	Wheat Barley	4/13/09			80# 11-52-0 with seed	Sprinkler	3.3
Lassen Co., Sierra-Cascade Nursery Susanville	Wheat Barley	4/13/09	Sandy loam	Strawberries	400# ammonium sulfate preplant	Sprinkler 4X (16" total)	2.9
Siskiyou Co., UC Intermountain REC, Tulelake	Wheat	10/22/09	Tule basin mucky silty clay loam	Sudangrass	600# 16-20-20 preplant	Sprinkler (16" total)	6.8
Siskiyou Co., UC Intermountain REC, Tulelake	Barley Wheat	4/13/09	Tule basin mucky silty clay loam	Sudangrass	450# 16-20-20 preplant (barley) 600# 16-20-20 preplant (wheat)	Sprinkler: Barley 16" total Sprinkler: Wheat 16" total	2.9
Tehama Co., Endres Ranch Corning	Wheat Barley	12/7/09	Nacimiento/Altamont complex	Barley	80# 11-52-0 with seed 50# N (aqua) with 2% sulfur preplant	None	20.6
Tulare Co., Changala Farms Ducor	Wheat Barley	11/17/09	Centerville clay	Fallow	60# 11-52-0 with seed	None	8.5
Yolo Co., UC Davis Agronomy Farm Davis	Wheat Durum Barley RF Wheat RF Durum	11/21/09	Yolo loam	Corn	60#N (urea) with 1% sulfur preplant 80# 11-52-0 with seed Topdress (at tillering): 60#N (wheat), 50# N (barley) Topdress (at jointing): 50#N (wheat)	None	15.9

Table 2. 2010 UC REGIONAL COMMON WHEAT AND TRITICALE ENTRY LIST

Entry	Name	Type	Parentage	Source
CULTIVARS				
20	ANZA	HRS	LR/N10B//3*ANE	UC
112	YECORA ROJO	HRS	(CNO*SON64-KLRE)8156	UC
788	EXPRESS	HRS	VEE-BH1146	WB
1155	SUMMIT	HR	EXPRESS//TADORNA/PB775	RSI
1156	BLANCA GRANDE	HW	EXPRESS//CLEO/2INIA66/4/PB775	RSI
1419	PATWIN	HWS	MADSEN/2*EXPRESS	UC
1424	JOAQUIN	HRS	ELDON/YU994-199	WB
1478	CAL ROJO	HRS	CMT1171-4//PFAU'S/VEE#5/3/BONUS	RSI
1495	LASSIK	HRS	ANZA (<i>Gpc-B1</i> ; 2NS; <i>Glu-A1</i> subunit 1, <i>Glu-D1</i> subunit 5+10)	UC
1500	EXPRESSO	HRS	Express 6*/YR15 Avocet//Express 6*/Madsen	WB
1521	REDWING	HR	CMT Synthetic/1065-3/3/UCSR/PB775// Express	RSI
1522	BLANCA ROYALE	HW	CLEO/2INIA//W444/3/DWL5046/2*CELAYA/4/UCSR/PB775/5/STANDER	RSI
1523	BLANCA FUERTE	HW	SERRA/4/VS73.600/MRL/3/BOW//YR/TRF/5/RSI5/6/PH989-188/1065-3	RSI
1548	CHRISTALLO	HWS	STANDER/EXPRESS//PLATA	WB
1550	TRIPLE IV	HRS		WB
1555	LARIAT	HRS	Cleo/2Inia//W444/3/DWL5046/2*Celaya/4/UCSR/PB775/5/Standar	RSI
1605	PALOMA	HWS	SNOW CREST/WAIKEA	WB
1668	CHIDDAM BLANC DE	HWS	WGC-032; Cltr 7327; PI 58556	WGC
1669	INDIA-JAMMU	HWS	WGC-044; Cltr 7289; PI 57906	WGC
1670	FOISY	HWS	WGC-041; Cltr 5246	WGC
1671	ETHIOPIAN BLUE TIN	HRS	WGC-069	WGC
ADVANCED LINES				
1599	UCD 07013/24	HRS	SUMMIT/3/HAHN/TURACO/2/TURACO	UC
1600	UCD 07013/30	HRS	UC1036 Yr5, Lr47, 2NS	UC
1608	WWW CNBR9330	HRS	HRS MSFRS QUALITY POP	WWW
1616	UCD 0810/5	HRS	UC1357/KERN + Lr37	UC
1624	WB DA905-10	HRS	993-191/998-5//SUMMIT/DASH 12	WB
1638	APB W11-6			APB
1642	UCD 09013/4	HRS	UC1357/EXPRESS + Lr37	UC
1643	UCD 09014/16	HWS	UC896*4/IDO377S//KLASIC*2/IDO377S/3/UC896 5+10	UC
1647	WB SJ908-186	HRS	BC1 JOAQUIN YR15, YR17	WB
1648	WB SJ908-181	HRS	BC1 JOAQUIN YR15, YR17	WB
1649	WB SJ908-214	HWS	BC1 SNOW CREST YR15, 1R17	WB
1650	WB-Rockland	HRS	(Previous WB SJ908-247) BC1 SOLANO YR15, YR17	WB
1651	WB SJ908-203	HWS	BC1 JOAQUIN YR15, YR17	WB
1657	BLANCA GRANDE 51:	HWS		RSI
1658	SUMMIT 515	HRS		RSI
1659	RSI 05W90192	HRS		RSI
1660	RSI 05W90314	HRS		RSI
1661	RSI 04W40311	HRS		RSI
1662	RSI 05W90845	HWS		RSI
1663	RSI 05W90908R	HRS		RSI
1664	RSI 05W90908W	HWS		RSI
1665	RSI 05W90818	HWS		RSI
1666	RSI 03W10068	HRS		RSI
1667	NEW DIRKWIN	SWS	Dirkwin Yr5, Yr15, 2NS	BAGLIETTO
1673	WWW CNBR9302			WWW
TRITICALE				
3097	TRICAL BRAND 105	TRIT	FARAS/BUL	RSI
3156	TRICAL BRAND 118	TRIT	AR/SPY6//11TSN 79-3/C2/3/TCL7/TCL50-1	RSI
3164	PACHECO	TRIT	RON/B5//AN-2/3/LI-1	WB
3165	RSI 05T14065	TRIT		RSI
3166	RSI 05T14058	TRIT		RSI

51 ENTRIES

TYPE: HRS = Hard Red Spring; HWS = Hard White Spring; TCL = Triticale

SOURCE: ALLSTAR = All-Star Seed Co.; APB = Arizona Plant Breeders; RSI = Resource Seeds, Inc.; UC = University of California;

UCR = Giles Waines, University of California, Riverside;

WSU = Washington State University (via Baglietto Seeds); WB = Westbred LLC; WWW = World Wide Wheat

WGC = Whole Grain Connection

Table 3. 2010 COLUSA COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Lodging Harvest	Stripe Rust 4/1/10	Stripe Rust 4/23/10	Septoria 4/23/10	Powdery Mildew 4/23/10
CULTIVARS										
20	ANZA	3720 (36)	54.4	32.1	35	1.5	3.3	4.8	1.0	1.0
112	YECORA ROJO	2540 (37)	55.8	37.9	33	1.5	4.3	7.0	1.0	1.0
788	EXPRESS	4990 (34)	57.4	42.0	39	1.3	4.8	4.0	1.0	1.0
1155	SUMMIT	8150 (7)	62.7	51.8	34	1.0	1.0	1.0	1.0	1.0
1156	BLANCA GRANDE	6690 (23)	63.8	53.2	35	3.0	1.0	1.0	1.3	1.0
1419	PATWIN*	7889 (11)	61.4	36.7	35	1.0	1.0	1.0	1.0	1.0
1424	JOAQUIN	6130 (29)	61.5	45.0	36	1.0	1.0	1.0	4.3	1.3
1478	CAL ROJO	9190 (1)	62.5	51.3	34	1.0	1.0	1.0	1.0	1.0
1495	LASSIK*	7019 (18)	62.3	36.6	37	1.0	1.0	1.0	1.0	1.0
1500	ESPRESSO	6880 (19)	63.4	46.0	39	2.3	1.0	1.0	1.0	1.0
1521	REDWING	8390 (5)	62.6	54.2	32	1.3	1.0	1.0	1.0	1.0
1522	BLANCA ROYALE	7450 (15)	63.5	50.0	35	1.5	1.0	1.0	1.0	1.0
1523	BLANCA FUERTE	8230 (6)	63.8	51.8	35	1.0	1.0	1.0	1.0	1.0
1548	CHRISTALLO	7870 (12)	63.8	50.5	39	2.0	1.0	1.0	1.0	1.0
1555	LARIAT	7900 (10)	64.3	49.9	39	2.0	1.0	1.0	1.0	1.0
1605	PALOMA	6330 (27)	63.6	53.1	35	1.5	1.0	1.0	1.5	1.0
ADVANCED LINES										
1599	UCD 07013/24	8480 (4)	62.1	48.2	38	4.0	1.0	1.0	1.3	1.0
1600	UCD 07013/30	6260 (28)	62.4	51.0	35	1.0	1.0	1.0	1.8	1.0
1608	WWW CNBR9330	6860 (20)	63.1	44.3	42	5.8	1.0	1.0	1.0	1.0
1616	UCD 0810/5	6700 (21)	62.9	48.6	32	1.3	1.0	1.0	1.0	1.0
1624	WB DA905-10	8110 (9)	63.3	52.4	38	2.0	1.0	1.0	1.0	1.0
1638	APB W11-6	3730 (35)	61.4	49.9	40	3.5	1.0	1.0	3.0	1.0
1642	UCD 09013/4	6620 (26)	62.0	50.1	37	1.5	1.0	1.0	1.3	1.0
1643	UCD 09014/16	6680 (24)	61.9	49.9	40	2.0	1.0	1.0	1.0	1.0
1647	WB SJ908-186	5990 (30)	63.7	51.5	35	1.3	1.0	1.0	2.0	1.0
1648	WB SJ908-181	6660 (25)	64.0	52.1	37	1.3	1.0	1.0	3.5	1.0
1649	WB SJ908-214	5420 (33)	63.6	53.1	36	1.8	1.0	1.0	2.3	1.0
1650	WB-Rockland	7170 (17)	63.7	47.7	35	1.0	1.0	1.0	1.0	1.3
1651	WB SJ908-203	5960 (31)	64.4	52.8	33	1.0	1.0	1.0	2.0	1.0
1657	BLANCA GRANDE 51	7390 (16)	63.6	45.2	36	2.3	1.0	1.0	1.5	1.0
1658	SUMMIT 515	7720 (14)	60.5	49.7	36	1.5	1.0	1.0	1.3	1.0
1659	RSI 05W90192	7780 (13)	63.3	46.5	36	1.0	1.0	1.0	1.0	1.0
1660	RSI 05W90314	8740 (3)	62.2	44.9	39	1.3	1.0	1.0	1.0	1.0
1661	RSI 04W40311	8890 (2)	65.0	51.9	42	1.0	1.0	1.0	1.0	1.0
1662	RSI 05W90845	8140 (8)	63.4	54.2	37	1.0	1.0	1.0	1.0	1.0
1667	NEW DIRKWIN	5900 (32)	58.8	38.3	49	1.3	1.0	1.0	1.0	1.0
1673	WWW CNBR9302	6700 (21)	62.3	45.2	39	5.5	1.0	1.0	1.0	1.0
TRITICALE										
3097	TRICAL BRAND 105	7830 (4)	58.9	55.0	43	1.5	1.0	2.3	1.0	1.0
3156	TRICAL BRAND 118	8350 (2)	59.5	46.4	44	1.0	1.3	3.5	1.0	1.0
3164	PACHECO	4270 (5)	53.0	48.9	40	1.0	5.3	5.3	1.0	1.0
3165	RSI 05T14065	8750 (1)	61.8	51.0	42	1.0	1.0	1.8	1.0	1.0
3166	RSI 05T14058	7870 (3)	58.8	43.9	43	1.0	1.3	2.3	1.0	1.0
	MEAN	6940	61.8	47.5	37	1.7	1.4	1.6	1.3	1.0
	CV	10	1.5	5.0	3.6	56.9	58.4	12.7	35.4	11.1
	LSD (.05)	970	1.9	3.4	3	1.4	1.1	0.3	0.7	ns

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

* Data inferred from Elite trial same loc.

Table 4. 2010 UCD COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Stripe	BYDV 5/17/10	Leaf	Septoria 5/17/10
				Kernel Wt (g)	Plant Ht (in)		Rust 5/17/10		Rust 5/17/10	
CULTIVARS										
20	ANZA	4510 (35)	59.2	35.0	39	1.0	5.5	1.0	1.0	1.0
112	YECORA ROJO	3060 (37)	56.1	36.4	33	1.0	8.0	1.0	1.0	1.0
788	EXPRESS	4740 (34)	57.3	40.1	43	1.0	4.5	1.3	1.0	1.0
1155	SUMMIT	7080 (2)	61.3	46.0	35	1.0	4.5	1.8	1.0	1.0
1156	BLANCA GRANDE	6470 (15)	64.3	50.3	39	1.0	4.5	1.5	1.0	1.0
1419	PATWIN*	6509 (12)	61.0	38.3	39	-	1.0	1.0	1.0	1.0
1424	JOAQUIN	6590 (11)	63.4	51.2	38	1.0	4.5	2.3	2.8	1.3
1478	CAL ROJO	5960 (21)	61.9	50.5	35	1.0	1.0	1.8	1.0	1.0
1495	LASSIK*	7769 (1)	62.0	39.2	41	-	1.0	1.0	1.0	1.0
1500	ESPRESSO	6140 (20)	62.7	46.3	40	1.3	1.0	2.3	1.0	1.0
1521	REDWING	6500 (13)	61.3	48.0	36	1.0	1.0	1.3	1.0	1.0
1522	BLANCA ROYALE	6840 (6)	63.4	48.1	36	1.0	1.0	1.0	1.0	1.0
1523	BLANCA FUERTE	7020 (4)	64.1	50.4	35	1.0	1.0	1.5	1.0	1.0
1548	CHRISTALLO	6660 (8)	63.0	44.3	41	1.0	1.3	2.5	1.0	1.0
1555	LARIAT	5850 (23)	63.1	43.9	36	1.0	1.0	1.8	1.0	1.0
1605	PALOMA	6470 (15)	63.8	48.6	39	1.0	1.0	2.5	1.0	1.0
ADVANCED LINES										
1599	UCD 07013/24	6970 (5)	62.2	47.7	38	1.0	1.3	1.0	1.0	1.0
1600	UCD 07013/30	6450 (17)	62.6	49.9	34	1.0	1.0	1.8	1.0	1.0
1608	WWW CNBR9330	5440 (29)	61.6	41.5	47	1.5	1.0	3.3	1.0	1.0
1616	UCD 0810/5	5770 (24)	63.0	49.9	32	1.0	3.0	1.0	1.0	1.0
1624	WB DA905-10	7080 (2)	62.7	49.5	40	1.0	1.0	1.8	1.0	1.0
1638	APB W11-6	4230 (36)	63.0	54.6	43	2.3	2.8	1.8	1.0	1.0
1642	UCD 09013/4	5600 (27)	61.9	47.9	40	1.0	2.0	2.0	1.0	1.0
1643	UCD 09014/16	5720 (26)	63.0	48.8	43	1.0	4.3	1.5	1.0	1.0
1647	WB SJ908-186	5010 (32)	63.8	53.4	34	1.0	1.0	2.0	1.0	1.0
1648	WB SJ908-181	5930 (22)	63.5	50.5	42	1.0	1.0	1.8	1.0	2.0
1649	WB SJ908-214	5180 (31)	62.2	51.6	36	1.0	2.0	1.8	1.0	1.0
1650	WB-Rockland	5730 (25)	62.9	46.2	35	1.0	1.0	2.8	1.0	1.0
1651	WB SJ908-203	4830 (33)	64.0	51.2	36	1.0	1.0	2.5	1.0	1.0
1657	BLANCA GRANDE 51	6730 (7)	63.8	45.5	36	1.0	1.0	3.0	1.0	1.0
1658	SUMMIT 515	6650 (9)	62.3	46.7	35	1.0	1.0	1.5	1.0	1.0
1659	RSI 05W90192	6160 (19)	64.1	47.9	36	1.0	1.0	1.0	1.0	1.0
1660	RSI 05W90314	6480 (14)	61.5	47.8	37	1.0	1.0	1.3	1.0	1.0
1661	RSI 04W40311	6640 (10)	64.4	46.2	38	1.0	1.0	1.8	1.0	1.0
1662	RSI 05W90845	6360 (18)	63.1	53.0	37	1.0	4.5	1.3	1.0	1.0
1667	NEW DIRKWIN	5450 (28)	58.0	34.5	43	1.0	1.0	1.8	1.0	1.0
1673	WWW CNBR9302	5340 (30)	60.1	39.4	46	1.3	1.0	3.3	1.0	1.0
TRITICALE										
3097	TRICAL BRAND 105	6430 (2)	59.3	52.9	47	1.0	3.3	1.3	1.0	1.0
3156	TRICAL BRAND 118	5740 (4)	59.6	40.7	41	1.0	4.3	1.0	1.0	1.0
3164	PACHECO	3300 (5)	53.7	49.2	41	1.0	4.8	1.0	1.0	1.0
3165	RSI 05T14065	6560 (1)	59.9	46.6	40	1.0	2.5	1.0	1.0	1.0
3166	RSI 05T14058	6130 (3)	60.5	43.3	38	1.0	3.8	1.0	1.0	1.0
	MEAN	5890	61.8	46.9	38	1.1	2.3	1.7	1.0	1.0
	CV	5.9	1.0	6.1	3.4	25.9	21.3	35.0	7.6	23.1
	LSD (.05)	490	1.3	5.8	3.0	0.4	0.7	0.8	0.1	0.3

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

* Data inferred from Elite trial same loc.

Table 5. 2010 SJ DELTA COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	Plant Ht (in)	Shatter	Lodging Harvest	Stripe	BYDV 5/12/10
				Kernel Wt (g)				Rust 5/12/10	
CULTIVARS									
20	ANZA	3060 (37)	49.1	24.2	37	2.0	1.0	5.0	1.0
112	YECORA ROJO	1020 (39)	48.0	23.3	35	1.0	1.0	8.0	1.0
788	EXPRESS	3770 (33)	52.2	34.0	43	1.8	1.0	4.8	1.5
1155	SUMMIT	8030 (4)	60.7	45.7	39	1.5	1.0	2.3	3.0
1156	BLANCA GRANDE	6360 (19)	63.4	47.6	39	2.3	1.3	2.3	2.3
1424	JOAQUIN	7060 (13)	60.3	41.7	40	1.3	1.5	2.8	2.5
1478	CAL ROJO	6910 (14)	59.0	46.3	35	1.5	1.0	1.0	2.3
1500	EXPRESSO	5550 (28)	61.5	42.8	43	3.5	1.0	1.0	3.5
1521	REDWING	7910 (5)	59.3	43.6	37	1.3	1.0	1.0	2.0
1522	BLANCA ROYALE	7830 (6)	61.9	43.9	38	1.3	1.0	1.3	2.0
1523	BLANCA FUERTE	7360 (10)	62.1	44.3	37	1.3	1.0	1.0	2.0
1548	CHRISTALLO	6800 (15)	62.2	43.9	42	1.5	1.0	1.0	2.8
1555	LARIAT	4720 (31)	60.9	41.5	38	2.8	1.0	1.0	2.8
1605	PALOMA	6410 (18)	62.6	46.3	39	1.0	3.3	1.0	3.0
ADVANCED LINES									
1599	UCD 07013/24	6320 (20)	60.2	45.2	42	2.3	2.3	1.0	2.0
1600	UCD 07013/30	7690 (8)	61.8	50.0	35	1.3	1.0	1.3	2.8
1608	WWW CNBR9330	3390 (36)	59.4	36.9	47	5.3	1.0	1.3	4.0
1616	UCD 0810/5	5890 (26)	60.8	45.1	33	1.0	1.0	2.5	2.5
1624	WB DA905-10	7260 (11)	60.5	44.4	42	1.0	1.0	1.0	3.0
1638	APB W11-6	2810 (38)	60.6	50.9	41	5.5	2.3	1.0	3.3
1642	UCD 09013/4	6180 (21)	60.3	44.0	41	1.3	2.3	2.3	2.5
1643	UCD 09014/16	3920 (32)	59.2	41.4	44	3.8	1.3	1.3	3.0
1647	WB SJ908-186	5930 (25)	62.5	50.3	39	1.5	2.0	1.0	3.3
1648	WB SJ908-181	6480 (17)	62.5	50.0	40	2.0	1.5	1.0	2.5
1649	WB SJ908-214	5650 (27)	61.6	54.1	40	1.3	1.8	3.5	2.8
1650	WB-Rockland	6740 (16)	61.9	44.3	36	1.3	1.0	1.0	3.5
1651	WB SJ908-203	6030 (23)	62.4	47.6	38	1.5	1.0	1.0	2.5
1657	BLANCA GRANDE 51	6040 (22)	62.9	44.5	39	1.3	4.0	1.0	3.0
1658	SUMMIT 515	8550 (1)	61.3	41.4	39	1.0	1.0	1.0	3.0
1659	RSI 05W90192	5990 (24)	60.2	41.9	38	1.0	1.0	1.0	3.3
1660	RSI 05W90314	7760 (7)	60.2	45.6	39	1.0	1.0	1.0	2.5
1661	RSI 04W40311	7580 (9)	63.1	47.5	43	1.3	1.0	1.0	2.3
1662	RSI 05W90845	7190 (12)	61.4	47.6	38	1.0	1.0	2.0	1.8
1673	WWW CNBR9302	3740 (34)	59.5	37.6	44	4.3	2.5	1.0	4.3
TRITICALE									
3097	TRICAL BRAND 105	5490 (29)	57.9	48.4	49	1.0	4.3	2.3	4.0
3156	TRICAL BRAND 118	8360 (2)	58.8	42.0	46	1.0	1.0	3.0	1.8
3164	PACHECO	3580 (35)	50.4	44.9	46	1.0	1.0	4.3	1.0
3165	RSI 05T14065	8040 (3)	58.4	43.6	45	1.0	1.0	1.8	1.8
3166	RSI 05T14058	5280 (30)	57.5	39.9	44	1.0	1.0	2.0	1.8
MEAN		6020	59.7	43.5	40	1.8	1.4	1.9	2.6
CV		9.4	0.8	5.4	2.4	37.6	75.7	35.2	28.8
LSD (.05)		800	1.0	4.8	2	0.9	1.5	0.9	1.0

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 6. 2010 FRESNO COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Stripe Rust 4/8/10	Stripe Rust 4/28/10
<u>CULTIVARS</u>							
20	ANZA	4700 (36)	59.8	32.8	39	3.8	5.8
112	YECORA ROJO	3570 (38)	58.3	37.9	34	6.3	8.0
788	EXPRESS	5860 (33)	62.2	42.7	41	3.3	3.8
1155	SUMMIT	7630 (12)	63.2	47.9	37	1.0	1.5
1156	BLANCA GRANDE	6920 (22)	64.9	47.4	40	1.3	1.0
1424	JOAQUIN	7040 (20)	64.2	49.5	39	1.3	1.3
1478	CAL ROJO	8050 (6)	63.7	45.9	37	1.0	1.0
1500	EXPRESSO	6270 (28)	63.6	43.9	42	1.0	1.0
1521	REDWING	7790 (9)	63.1	47.3	35	1.0	1.0
1522	BLANCA ROYALE	8040 (7)	64.6	47.0	38	1.0	1.0
1523	BLANCA FUERTE	8240 (1)	65.1	48.7	37	1.0	1.0
1548	CHRISTALLO	7420 (14)	63.7	46.4	40	1.0	1.0
1555	LARIAT	7740 (11)	64.1	43.3	39	1.0	1.0
1605	PALOMA	6920 (22)	64.7	50.3	39	1.0	1.0
<u>ADVANCED LINES</u>							
1599	UCD 07013/24	8090 (5)	62.8	47.5	41	1.0	1.0
1600	UCD 07013/30	7240 (18)	63.5	51.5	35	1.0	1.0
1608	WWW CNBR9330	6580 (27)	61.7	42.5	48	1.8	1.3
1616	UCD 0810/5	6760 (25)	63.9	50.5	31	1.0	1.8
1624	WB DA905-10	7820 (8)	63.6	48.2	41	1.0	1.0
1638	APB W11-6	4570 (37)	62.9	54.3	43	1.0	1.3
1642	UCD 09013/4	6100 (30)	62.0	46.6	41	1.0	1.3
1643	UCD 09014/16	7280 (16)	63.9	49.5	44	1.3	1.0
1647	WB SJ908-186	5510 (34)	63.9	51.9	36	1.0	1.0
1648	WB SJ908-181	6200 (29)	63.8	52.5	43	1.0	1.0
1649	WB SJ908-214	6020 (32)	63.6	49.9	36	1.0	1.0
1650	WB-Rockland	6100 (30)	63.4	45.0	37	1.0	1.0
1651	WB SJ908-203	5190 (35)	63.9	49.4	36	1.0	1.0
1657	BLANCA GRANDE 51	6710 (26)	64.5	48.3	38	1.0	1.0
1658	SUMMIT 515	7310 (15)	63.8	45.8	37	1.0	1.0
1659	RSI 05W90192	7760 (10)	64.4	48.0	38	1.0	1.0
1660	RSI 05W90314	8130 (4)	63.8	47.7	40	1.0	1.0
1661	RSI 04W40311	6920 (22)	65.6	49.1	40	1.0	1.0
1662	RSI 05W90845	6930 (21)	64.1	47.2	37	1.0	1.0
1663	RSI 05W90908R	8180 (2)	64.2	42.6	42	1.3	1.0
1664	RSI 05W90908W	8160 (3)	64.5	45.0	39	1.0	1.0
1665	RSI 05W90818	7510 (13)	64.3	50.9	40	1.0	1.0
1666	RSI 03W10068	7260 (17)	64.4	48.7	39	1.0	1.0
1673	WWW CNBR9302	7130 (19)	63.1	42.3	49	1.3	1.0
<u>TRITICALE</u>							
3097	TRICAL BRAND 105	6890 (4)	60.4	52.6	47	1.0	1.5
3156	TRICAL BRAND 118	7630 (2)	60.6	41.2	42	2.0	2.8
3164	PACHECO	6830 (5)	60.4	51.0	43	2.5	3.0
3165	RSI 05T14065	8070 (1)	60.2	46.1	42	1.3	1.3
3166	RSI 05T14058	7630 (2)	60.9	44.8	39	1.3	1.8
	MEAN	6950	63.2	47.0	39	1.4	1.5
	CV	5.1	0.4	3.5	3.3	23.7	20.8
	LSD (.05)	500	0.6	3.3	3.0	0.4	0.4

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
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.

Table 7. 2010 KINGS COMMON WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000	Plant Ht (in)	Lodging Harvest	Stripe	Stripe	BYDV 5/5/2010
				Kernel Wt (g)			Rust 4/8/2010	Rust 5/5/2010	
CULTIVARS									
20	ANZA	5030 (40)	57.7	30.2	42	1.0	3.0	4.0	1.0
112	YECORA ROJO	3990 (41)	54.9	29.6	38	1.0	5.5	8.0	1.0
788	EXPRESS	6860 (38)	59.9	38.8	44	1.0	2.3	4.0	1.0
1155	SUMMIT	8430 (16)	62.6	44.1	39	1.0	1.0	1.3	1.5
1156	BLANCA GRANDE	8750 (8)	65.2	49.5	42	1.0	1.0	1.5	1.3
1419	PATWIN*	8518 (15)	61.7	38.6	44	1.0	1.0	1.0	-
1424	JOAQUIN	9080 (1)	63.7	45.4	43	1.0	1.0	3.3	1.0
1478	CAL ROJO	8780 (7)	62.6	44.4	37	1.0	1.0	1.0	1.3
1495	LASSIK*	8286 (19)	62.7	40.2	43	1.0	1.0	1.0	-
1500	EXPRESSO	7850 (24)	62.7	41.8	45	1.0	1.0	1.0	1.3
1521	REDWING	8610 (11)	62.1	43.0	38	1.0	1.0	1.0	1.0
1522	BLANCA ROYALE	8990 (4)	64.0	43.8	40	1.0	1.0	1.0	1.0
1523	BLANCA FUERTE	9030 (2)	64.7	44.5	38	1.0	1.0	1.0	1.3
1548	CHRISTALLO	8610 (11)	63.4	43.9	41	1.0	1.0	1.0	1.3
1555	LARIAT	7740 (27)	63.0	41.1	42	1.0	1.0	1.0	2.3
1605	PALOMA	8220 (21)	64.3	46.5	42	1.3	1.0	1.0	1.3
ADVANCED LINES									
1599	UCD 07013/24	9010 (3)	62.1	45.0	43	1.0	1.0	1.0	1.5
1600	UCD 07013/30	8730 (9)	63.8	48.1	37	1.0	1.0	1.0	1.0
1608	WWW CNBR9330	7190 (36)	61.5	38.0	50	1.0	1.0	1.0	2.0
1616	UCD 0810/5	7810 (25)	62.5	45.1	33	1.0	1.0	1.5	1.0
1624	WB DA905-10	8520 (14)	62.5	43.8	44	1.0	1.0	1.0	1.3
1638	APB W11-6	6960 (37)	62.7	47.0	47	2.5	1.0	1.0	1.5
1642	UCD 09013/4	7240 (35)	61.7	41.7	42	1.0	1.0	1.0	1.5
1643	UCD 09014/16	7390 (33)	63.0	43.5	48	1.0	1.0	1.0	1.5
1647	WB SJ908-186	7430 (31)	64.3	49.0	42	1.0	1.0	1.0	1.5
1648	WB SJ908-181	8340 (18)	62.9	45.2	44	1.0	1.0	1.0	1.0
1649	WB SJ908-214	7680 (28)	63.3	47.7	39	1.0	1.0	1.0	1.3
1650	WB-Rockland	7470 (30)	62.9	43.5	39	1.0	1.0	1.0	1.5
1651	WB SJ908-203	7430 (31)	63.9	45.4	41	1.0	1.0	1.0	1.5
1657	BLANCA GRANDE 515	8860 (5)	65.3	43.5	42	1.0	1.0	1.0	1.0
1658	SUMMIT 515	8830 (6)	62.6	41.4	41	1.0	1.0	1.0	1.3
1659	RSI 05W90192	8080 (23)	63.7	42.5	38	1.0	1.0	1.0	1.3
1660	RSI 05W90314	8210 (22)	61.6	46.8	41	1.0	1.0	1.0	1.0
1661	RSI 04W40311	7660 (29)	63.9	43.5	43	1.0	1.0	1.0	1.0
1662	RSI 05W90845	8280 (20)	62.7	49.2	40	1.0	1.0	1.0	1.3
1663	RSI 05W90908R	8720 (10)	62.9	39.0	41	1.0	1.0	1.0	1.0
1664	RSI 05W90908W	8390 (17)	63.6	40.9	40	1.0	1.0	1.0	1.0
1665	RSI 05W90818	7770 (26)	63.2	46.5	41	1.0	1.0	1.0	1.0
1666	RSI 03W10068	8570 (13)	63.7	43.4	40	1.0	1.0	1.0	1.0
1667	NEW DIRKWIN	5620 (39)	55.5	30.3	48	1.0	1.0	1.0	1.0
1673	WWW CNBR9302	7380 (34)	60.8	39.1	50	1.0	1.0	1.0	2.5
TRITICALE									
3097	TRICAL BRAND 105	7630 (4)	59.1	45.4	50	1.0	1.0	1.8	2.0
3156	TRICAL BRAND 118	8640 (2)	59.1	35.0	44	1.0	1.0	3.3	1.0
3164	PACHECO	7340 (5)	56.8	36.8	46	1.0	2.3	2.8	1.3
3165	RSI 05T14065	8700 (1)	58.3	36.1	44	1.0	1.0	1.0	1.3
3166	RSI 05T14058	7880 (3)	58.3	33.9	42	1.0	1.3	1.8	1.0
MEAN		7900	62.0	42.3	42	1.0	1.2	1.5	1.3
CV		6	0.6	4.4	3.1	28.7	31.6	19.6	37.1
LSD (.05)		670	0.7	3.7	3	0.4	0.5	0.4	0.7

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

* Data inferred from Elite trial same loc.

Table 8. 2010 KERN COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt. (lbs/bu)	1000		Lodging Harvest	Stripe	Stripe	BYDV 5/6/10	XANTH 5/6/10
				Kernel Wt (g)	Plant Ht (in)		Rust 4/9/2010	Rust 5/6/10		
CULTIVARS										
20	ANZA	5090 (37)	60.2	32.3	42	1.0	5.8	4.0	1.0	1.0
112	YECORA ROJO	4210 (39)	59.6	35.6	37	2.8	6.3	7.5	1.0	1.0
788	EXPRESS	6220 (30)	61.3	42.3	44	1.3	4.3	3.8	1.8	1.0
1155	SUMMIT	8130 (4)	62.5	45.2	41	1.0	1.5	1.0	1.5	1.0
1156	BLANCA GRANDE	7570 (12)	64.8	49.9	42	1.8	1.0	1.0	1.3	1.0
1424	JOAQUIN	8570 (1)	63.2	43.4	41	2.5	1.0	1.0	1.5	2.5
1478	CAL ROJO	7220 (16)	61.6	46.2	37	1.0	1.0	1.0	1.8	1.0
1500	EXPRESSO	6920 (19)	63.2	43.3	44	1.5	1.0	1.0	1.5	1.0
1521	REDWING	8030 (6)	62.0	46.0	38	1.0	1.0	1.0	1.0	1.0
1522	BLANCA ROYALE	7440 (15)	64.2	45.0	39	1.0	1.0	1.0	1.3	1.0
1523	BLANCA FUERTE	7680 (10)	65.4	47.0	39	1.0	1.0	1.0	1.0	1.0
1548	CHRISTALLO	7150 (17)	63.3	43.0	43	1.8	1.0	1.0	1.5	1.0
1555	LARIAT	6560 (25)	62.9	41.4	40	1.0	1.0	1.0	1.3	1.0
1605	PALOMA	6090 (32)	63.4	46.3	39	5.5	1.0	1.0	1.5	1.0
ADVANCED LINES										
1599	UCD 07013/24	6690 (23)	61.5	43.9	42	4.3	1.0	1.0	1.5	1.3
1600	UCD 07013/30	7840 (7)	63.6	46.7	36	1.0	1.0	1.0	1.0	1.0
1608	WWW CNBR9330	5470 (35)	62.2	43.3	46	3.0	1.0	1.0	2.5	1.0
1616	UCD 0810/5	6320 (29)	62.4	44.1	34	1.0	1.0	1.0	1.3	1.0
1624	WB DA905-10	8520 (2)	63.2	46.2	45	1.0	1.0	1.0	1.0	1.0
1638	APB W11-6	5270 (36)	61.8	45.6	42	7.0	2.0	1.3	1.8	1.0
1642	UCD 09013/4	6840 (21)	61.8	42.8	41	1.5	1.0	1.0	1.0	1.0
1643	UCD 09014/16	6870 (20)	63.4	45.4	45	1.3	1.3	1.0	1.5	1.3
1647	WB SJ908-186	5640 (34)	63.6	47.6	41	4.0	1.0	1.0	1.3	1.0
1648	WB SJ908-181	7790 (9)	64.3	48.7	43	1.8	1.0	1.0	1.3	1.0
1649	WB SJ908-214	6210 (31)	63.4	47.6	41	1.8	1.0	1.0	2.0	1.0
1650	WB Rockland	6530 (26)	63.2	41.7	39	1.0	1.0	1.0	1.8	1.0
1651	WB SJ908-203	6330 (28)	64.1	49.8	40	4.0	1.0	1.0	2.0	1.3
1657	BLANCA GRANDE 51	8060 (5)	64.9	45.1	40	1.3	1.0	1.0	1.0	1.0
1658	SUMMIT 515	7810 (8)	63.1	44.9	38	2.3	1.0	1.0	1.0	1.3
1659	RSI 05W90192	6610 (24)	63.4	42.0	38	1.0	1.0	1.5	1.8	1.0
1660	RSI 05W90314	7490 (13)	61.8	44.6	41	1.0	1.0	1.0	1.3	1.0
1661	RSI 04W40311	6780 (22)	64.6	47.3	44	1.0	1.0	1.0	1.0	1.0
1662	RSI 05W90845	7680 (10)	63.2	47.9	41	1.0	1.0	1.0	1.0	1.5
1663	RSI 05W90908R	7460 (14)	63.3	42.8	44	1.0	1.3	1.0	1.5	1.0
1664	RSI 05W90908W	6930 (18)	63.7	41.7	39	1.0	1.0	1.0	1.0	1.5
1665	RSI 05W90818	6460 (27)	63.0	47.5	42	1.0	1.0	1.0	2.3	1.5
1666	RSI 03W10068	8200 (3)	64.1	48.6	40	1.0	1.0	1.0	1.3	1.0
1667	NEW DIRKWIN	4270 (38)	58.1	36.9	45	1.8	1.0	1.0	2.0	2.0
1673	WWW CNBR9302	6050 (33)	62.3	41.0	48	1.5	1.0	1.0	2.8	1.0
TRITICALE										
3097	TRICAL BRAND 105	7380 (5)	59.6	51.2	48	2.3	1.0	1.3	1.5	1.0
3156	TRICAL BRAND 118	8740 (1)	60.4	44.8	46	1.0	2.0	2.0	1.0	1.0
3164	PACHECO	8620 (2)	60.1	51.9	49	1.0	1.5	1.3	1.0	1.0
3165	RSI 05T14065	7540 (3)	59.0	43.1	45	1.0	1.0	1.0	1.5	1.0
3166	RSI 05T14058	7530 (4)	58.8	41.9	45	1.0	1.0	1.0	1.3	1.0
	MEAN	6970	62.5	44.6	41	1.8	1.4	1.3	1.4	1.1
	CV	7.7	0.8	3.6	3	56.9	26.1	14.8	46.5	33.9
	LSD (.05)	750	1.0	3.2	2	1.4	0.5	0.3	0.9	0.5

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 9. 2010 IMPERIAL COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt. (lbs/bu)	1000			Plant Ht (in)	Lodging Harvest	Days To	
				Kernel Wt (g)	Shatter				Head (from 1/1)	Mature
<u>CULTIVARS</u>										
	20 ANZA	7460 (3)	62.3	39.4	1.3	35	1.0	79	127	
	112 YECORA ROJO	7430 (5)	62.5	49.3	1.0	30	1.0	72	124	
	788 EXPRESS	5220 (29)	61.3	40.4	2.8	36	1.0	76	123	
	1155 SUMMIT	8260 (1)	61.5	43.0	1.0	32	1.0	79	126	
	1156 BLANCA GRANDE	6650 (16)	64.3	49.6	2.3	36	1.0	72	124	
	1424 JOAQUIN	6940 (12)	63.0	47.3	1.8	35	1.0	69	124	
	1478 CAL ROJO	7010 (10)	62.3	51.3	1.0	32	1.0	72	123	
	1500 EXPRESSO	5970 (27)	62.3	42.3	2.3	37	1.0	77	124	
	1521 REDWING	7190 (9)	60.5	44.9	1.0	30	1.0	77	126	
	1522 BLANCA ROYALE	6950 (11)	63.8	45.6	2.3	32	1.0	74	124	
	1523 BLANCA FUERTE	7830 (2)	64.8	47.6	1.3	32	1.0	75	128	
	1548 CRISTALLO	6560 (17)	62.0	42.7	1.8	36	1.0	78	126	
	1555 LARIAT	6230 (24)	62.0	36.9	1.3	33	1.0	78	126	
	1605 PALOMA	6510 (18)	63.3	48.9	1.0	34	1.0	72	124	
	1671 ETHIOPIAN BLUE TINGE	3640 (32)	55.8	37.5	1.0	43	5.5	85	127	
<u>ADVANCED LINES</u>										
	1599 UCD 07013/24	6860 (13)	58.8	38.6	1.3	35	1.0	83	126	
	1600 UCD 07013/30	7450 (4)	63.0	45.7	1.0	30	1.0	75	126	
	1608 WWW CNBR9330	6390 (19)	61.3	38.5	1.5	40	1.0	83	126	
	1616 UCD 0810/5	7390 (6)	63.0	45.3	1.0	27	1.0	76	125	
	1624 WB DA905-10	7390 (6)	62.3	45.6	1.3	35	1.0	75	126	
	1638 APB W11-6	4770 (31)	62.0	54.9	3.3	36	1.0	67	122	
	1642 UCD 09013/4	6270 (22)	61.5	48.8	1.5	37	1.0	76	124	
	1643 UCD 09014/16	5970 (27)	63.5	45.8	2.8	36	1.0	76	124	
	1647 WB SJ908-186	6260 (23)	63.5	51.7	1.5	32	1.0	67	123	
	1648 WB SJ908-181	6770 (15)	63.5	49.7	2.0	36	1.0	69	123	
	1649 WB SJ908-214	6830 (14)	63.3	50.3	1.3	32	1.0	67	123	
	1650 WB-Rockland	6300 (21)	62.5	45.1	1.5	32	1.0	75	124	
	1651 WB SJ908-203	6190 (25)	64.3	52.0	1.8	33	1.0	68	123	
	1657 BLANCA GRANDE 515	7210 (8)	64.3	45.6	1.8	36	1.0	71	124	
	1659 RSI 05W90192	6390 (19)	62.5	40.3	2.0	31	1.0	77	124	
	1667 NEW DIRKWIN	4930 (30)	55.3	32.3	1.3	38	1.0	88	129	
	1673 WWW CNBR9302	6140 (26)	61.5	37.2	2.3	40	2.5	83	127	
<u>TRITICALE</u>										
	3097 TRICAL BRAND 105	7870 (2)	59.3	47.6	1.0	40	1.0	71	128	
	3156 TRICAL BRAND 118	7030 (4)	59.3	37.8	1.0	36	1.0	72	127	
	3164 PACHECO	7940 (1)	59.5	47.5	1.0	36	1.0	73	127	
	3166 RSI 05T14058	7250 (3)	56.0	36.1	1.0	33	1.0	76	129	
	MEAN	6650	61.7	44.7	1.5	34	1.2	75	125	
	CV	7.3	1.8	3.8	40.5	3.6	61.5	1.2	0.7	
	LSD (.05)	680	1.6	3.4	0.9	2	1	1	1	

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry: 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

Table 10. 2010 UCD RAINFED COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Lodging Harvest	Stripe
				Kernel Wt (g)	Plant Ht (in)			Rust 5/12/10
<u>CULTIVARS</u>								
20	ANZA	4460 (29)	58.6	32.0	39	1.0	1.0	4.3
112	YECORA ROJO	3350 (30)	56.3	32.8	32	1.0	1.0	8.0
788	EXPRESS	4830 (25)	60.6	43.7	38	1.3	1.0	3.3
1155	SUMMIT	5600 (18)	62.4	47.6	35	1.0	1.0	2.3
1156	BLANCA GRANDE	6320 (5)	64.1	47.1	38	1.0	1.0	2.3
1424	JOAQUIN	6200 (6)	63.0	48.6	36	1.0	1.0	1.8
1478	CAL ROJO	5470 (21)	60.8	47.2	35	1.0	1.0	1.0
1500	EXPRESSO	5930 (11)	62.9	45.1	39	1.5	1.0	1.0
1521	REDWING	6690 (3)	59.2	43.8	35	1.0	1.0	1.0
1522	BLANCA ROYALE	5920 (12)	60.9	42.5	36	1.0	1.0	1.0
1523	BLANCA FUERTE	6900 (1)	63.2	50.1	35	1.0	1.0	1.0
1548	CHRISTALLO	5870 (13)	63.1	45.5	37	1.3	1.0	1.0
1550	TRIPLE IV	4830 (25)	60.1	49.3	39	1.3	1.3	1.0
1555	LARIAT	6060 (7)	63.4	43.5	36	1.0	1.0	1.0
1605	PALOMA	5770 (14)	63.7	53.5	42	1.0	1.0	2.0
1668	CHIDDAM BLANC DE MARS	2480 (32)	60.0	36.4	42	1.8	2.0	6.5
1669	INDIA-JAMMU	2610 (31)	60.4	41.9	51	1.0	3.8	1.3
1670	FOISY	810 (34)	60.3	27.5	59	4.3	1.0	1.0
1671	ETHIOPIAN BLUE TINGE	1910 (33)	59.6	38.2	40	1.8	5.8	3.5
<u>ADVANCED LINES</u>								
1599	UCD 07013/24	6560 (4)	61.9	42.9	38	1.0	1.0	1.0
1600	UCD 07013/30	5940 (10)	63.8	52.0	40	1.0	1.0	1.0
1608	WWW CNBR9330	5490 (20)	62.7	39.6	45	1.8	1.0	1.0
1616	UCD 0810/5	5570 (19)	61.4	50.3	32	1.0	1.0	1.0
1624	WB DA905-10	6720 (2)	63.1	50.3	39	1.0	1.0	1.0
1642	UCD 09013/4	5970 (9)	59.0	47.9	43	1.0	1.0	1.3
1643	UCD 09014/16	5240 (22)	62.7	48.5	43	1.5	1.0	1.0
1647	WB SJ908-186	4530 (28)	61.6	52.9	35	1.0	1.0	1.0
1648	WB SJ908-181	4930 (24)	63.4	51.4	39	1.0	1.0	1.0
1649	WB SJ908-214	4820 (27)	63.4	51.5	37	1.0	1.0	1.0
1650	WB-Rockland	5680 (16)	62.6	46.3	36	1.3	1.0	1.0
1651	WB SJ908-203	5180 (23)	64.3	50.1	38	1.0	1.0	1.0
1657	BLANCA GRANDE 515	5670 (17)	64.1	46.8	37	1.0	1.0	1.0
1659	RSI 05W90192	5990 (8)	59.2	43.5	35	1.0	1.0	1.0
1673	WWW CNBR9302	5770 (14)	62.2	42.3	45	2.5	1.0	1.5
<u>TRITICALE</u>								
3097	TRICAL BRAND 105	5900 (1)	63.2	54.9	45	1.0	1.0	2.5
3156	TRICAL BRAND 118	5690 (3)	59.6	40.4	41	1.0	1.0	4.5
3164	PACHECO	3750 (4)	56.9	48.1	42	1.0	1.0	4.3
3166	RSI 05T14058	5900 (1)	60.3	41.7	39	1.0	1.0	2.8
	MEAN	5190	61.5	45.2	39.0	1.2	1.2	1.9
	CV	9.5	4.1	7.0	8.3	36.5	21.9	39.7
	LSD (.05)	690	ns	6.4	7.0	0.6	0.4	1.1

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 11. 2010 SAN LUIS OBISPO RAINFED COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Stripe Rust	
				Kernel Wt (g)	Plant Ht (in)	4/9/10	4/29/10
CULTIVARS							
20	ANZA	2210 (28)	63.1	36.4	35	6.5	5.0
112	YECORA ROJO	1970 (30)	60.3	36.8	26	7.8	8.0
788	EXPRESS	3030 (20)	62.9	37.8	37	2.5	1.0
1155	SUMMIT	3490 (5)	62.1	40.9	34	1.3	1.0
1156	BLANCA GRANDE	3590 (4)	64.3	40.0	35	1.3	1.0
1424	JOAQUIN	3730 (2)	63.2	44.6	38	1.0	1.3
1478	CAL ROJO	3480 (6)	62.5	45.8	32	1.0	1.0
1500	EXPRESSO	3460 (8)	63.0	38.0	36	1.0	1.0
1521	REDWING	3120 (17)	62.1	43.8	31	1.3	1.0
1522	BLANCA ROYALE	3410 (9)	63.7	42.5	35	1.0	1.0
1523	BLANCA FUERTE	3190 (13)	63.9	45.8	33	1.0	1.0
1548	CHRISTALLO	3750 (1)	63.8	38.1	36	1.0	1.0
1550	TRIPLE IV	2910 (23)	61.8	42.5	38	1.3	1.0
1555	LARIAT	2730 (24)	63.4	40.4	37	1.0	1.0
1605	PALOMA	3150 (15)	63.3	45.5	35	1.0	1.0
1668	CHIDDAM BLANC DE MARS	1510 (33)	62.8	37.2	42	7.0	5.3
1669	INDIA-JAMMU	1660 (31)	61.6	30.5	48	2.8	1.5
1670	FOISY	1580 (32)	60.5	28.3	53	2.3	1.0
1671	ETHIOPIAN BLUE TINGE	970 (34)	58.7	31.4	41	1.0	1.0
ADVANCED LINES							
1599	UCD 07013/24	3470 (7)	61.3	38.7	35	1.0	1.0
1600	UCD 07013/30	3300 (11)	63.4	46.7	30	1.0	1.0
1608	WWW CNBR9330	3090 (19)	63.3	39.7	38	1.3	1.0
1616	UCD 0810/5	3140 (16)	63.5	46.9	29	1.0	1.3
1624	WB DA905-10	3410 (9)	63.0	40.5	36	1.8	1.0
1642	UCD 09013/4	3110 (18)	61.5	38.3	36	1.0	1.0
1643	UCD 09014/16	2050 (29)	62.7	43.2	38	1.3	1.0
1647	WB SJ908-186	2550 (27)	63.2	48.9	33	1.0	1.0
1648	WB SJ908-181	3230 (12)	62.9	42.2	37	1.0	1.0
1649	WB SJ908-214	2560 (26)	62.3	46.5	35	1.0	1.8
1650	WB-Rockland	3180 (14)	63.4	38.7	36	1.0	1.0
1651	WB SJ908-203	2960 (22)	64.5	48.2	37	1.0	1.0
1657	BLANCA GRANDE 515	3700 (3)	64.5	39.9	37	1.0	1.0
1659	RSI 05W90192	2980 (21)	63.9	40.1	34	1.0	1.0
1673	WWW CNBR9302	2660 (25)	62.6	37.6	38	1.8	1.0
TRITICALE							
3097	TRICAL BRAND 105	2880 (3)	58.8	43.3	41	1.3	1.3
3156	TRICAL BRAND 118	3180 (2)	58.9	35.2	38	3.3	2.3
3164	PACHECO	2640 (4)	57.9	42.1	38	1.5	1.0
3166	RSI 05T14058	3480 (1)	59.3	35.6	34	1.5	1.8
	MEAN	2910	62.3	40.5	36	1.8	1.5
	CV	16	0.9	3.4	6.0	27.7	23.6
	LSD (.05)	650	1.1	2.8	4.0	0.7	0.5

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 12. 2010 TEHAMA RAINFED COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Lodging Harvest	Stripe Rust 5/10/10
CULTIVARS							
20	ANZA	2350 (32)	59.0	26.7	35	1.0	4.8
112	YECORA ROJO	3110 (28)	61.4	39.4	31	1.0	7.0
788	EXPRESS	4200 (16)	63.1	42.0	37	1.0	1.5
1155	SUMMIT	4220 (15)	61.9	42.7	30	1.0	1.3
1156	BLANCA GRANDE	3750 (26)	64.7	42.9	32	1.0	1.0
1424	JOAQUIN	4110 (19)	63.5	44.6	29	1.0	1.3
1478	CAL ROJO	4620 (6)	62.8	47.0	29	1.0	1.0
1500	EXPRESSO	4290 (12)	63.6	39.9	32	1.0	1.0
1521	REDWING	4650 (4)	62.4	44.6	32	1.0	1.0
1522	BLANCA ROYALE	4650 (4)	63.2	41.6	33	1.0	1.0
1523	BLANCA FUERTE	4410 (10)	64.4	40.3	31	1.0	1.0
1548	CHRISTALLO	5170 (1)	64.0	42.0	35	1.0	1.0
1550	TRIPLE IV	4620 (6)	64.1	51.0	39	1.3	1.0
1555	LARIAT	3620 (27)	62.5	38.8	33	1.0	1.0
1605	PALOMA	4080 (21)	64.8	51.2	34	1.0	1.0
1668	CHIDDAM BLANC DE	2710 (29)	62.1	40.3	45	2.3	6.0
1669	INDIA-JAMMU	2530 (30)	63.8	39.7	46	3.8	1.0
1670	FOISY	800 (34)	60.3	30.2	50	3.8	1.8
1671	ETHIOPIAN BLUE TIN	2170 (33)	59.8	34.7	42	2.3	2.5
ADVANCED LINES							
1599	UCD 07013/24	4270 (13)	60.3	39.0	33	1.0	1.0
1600	UCD 07013/30	2360 (31)	62.4	45.1	29	1.0	1.0
1608	WWW CNBR9330	3950 (24)	62.6	37.4	43	1.0	1.0
1616	UCD 0810/5	4370 (11)	63.4	46.4	29	1.0	1.0
1624	WB DA905-10	5140 (2)	62.8	42.8	36	1.0	1.0
1642	UCD 09013/4	4150 (18)	62.8	48.6	36	1.0	1.0
1643	UCD 09014/16	3850 (25)	63.2	42.4	37	1.0	1.0
1647	WB SJ908-186	3980 (23)	64.9	49.7	30	1.0	1.3
1648	WB SJ908-181	4460 (9)	64.2	47.5	37	1.0	1.0
1649	WB SJ908-214	4250 (14)	64.4	49.2	35	1.0	1.0
1650	WB-Rockland	4190 (17)	64.1	44.8	31	1.0	1.0
1651	WB SJ908-203	4100 (20)	64.9	45.8	34	1.0	1.3
1657	BLANCA GRANDE 51	5110 (3)	64.9	43.3	35	1.0	1.3
1659	RSI 05W90192	4570 (8)	63.7	42.7	34	1.0	1.0
1673	WWW CNBR9302	4050 (22)	62.1	38.0	42	1.0	1.0
TRITICALE							
3097	TRICAL BRAND 105	3580 (3)	59.9	48.1	37	1.0	1.0
3156	TRICAL BRAND 118	3650 (2)	58.7	38.3	37	1.0	3.3
3164	PACHECO	3970 (1)	58.6	46.5	42	1.0	3.3
3166	RSI 05T14058	3040 (4)	59.7	34.2	30	1.0	1.8
	MEAN	3860	62.6	42.3	36	1.2	1.6
	CV	26.6	1.0	6.3	7.5	64.0	40.5
	LSD (.05)	1440	1.2	5.4	4	1.1	0.9

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 13. 2010 TULARE RAINFED COMMON WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Stripe Rust 4/18/10
CULTIVARS						
20	ANZA	2430 (23)	62.5	40.2	25	3.3
112	YECORA ROJO	2100 (30)	61.3	39.5	27	4.5
788	EXPRESS	2650 (13)	63.0	37.2	28	1.0
1155	SUMMIT	2750 (8)	61.9	37.3	25	1.0
1156	BLANCA GRANDE	2970 (3)	64.6	41.7	29	1.0
1424	JOAQUIN	2850 (5)	64.1	40.0	31	1.0
1478	CAL ROJO	2960 (4)	62.9	41.8	28	1.0
1500	EXPRESSO	2590 (19)	63.0	36.5	31	1.0
1521	REDWING	2320 (27)	61.6	39.7	26	1.0
1522	BLANCA ROYALE	2780 (6)	62.4	36.7	29	1.0
1523	BLANCA FUERTE	2770 (7)	64.4	40.1	25	1.0
1548	CHRISTALLO	2560 (21)	63.3	36.2	25	1.0
1550	TRIPLE IV	2560 (21)	63.0	42.1	38	1.0
1555	LARIAT	2740 (9)	63.3	36.9	28	1.0
1605	PALOMA	3240 (1)	64.1	44.3	30	1.0
1668	CHIDDAM BLANC DE MARS	2270 (28)	60.3	34.2	40	3.3
1669	INDIA-JAMMU	1890 (31)	62.6	33.9	39	1.0
1670	FOISY	1080 (33)	57.1	30.5	33	1.0
1671	ETHIOPIAN BLUE TINGE	690 (34)	56.6	36.5	28	1.0
ADVANCED LINES						
1599	UCD 07013/24	2610 (16)	62.0	34.6	26	1.0
1600	UCD 07013/30	2610 (16)	63.0	43.5	26	1.0
1608	WWW CNBR9330	2390 (24)	62.0	35.0	25	1.0
1616	UCD 0810/5	2670 (12)	63.7	41.5	21	1.0
1624	WB DA905-10	2700 (10)	62.4	36.0	27	1.0
1642	UCD 09013/4	2690 (11)	62.0	38.5	29	1.0
1643	UCD 09014/16	1730 (32)	61.0	40.1	32	1.0
1647	WB SJ908-186	2610 (16)	64.7	45.7	32	1.0
1648	WB SJ908-181	2630 (15)	64.2	43.1	29	1.0
1649	WB SJ908-214	2360 (25)	63.5	44.4	28	1.0
1650	WB-Rockland	2640 (14)	63.4	37.8	27	1.0
1651	WB SJ908-203	2360 (25)	64.8	43.9	31	1.0
1657	BLANCA GRANDE 515	3020 (2)	64.5	37.7	32	1.0
1659	RSI 05W90192	2590 (19)	63.3	38.7	27	1.0
1673	WWW CNBR9302	2210 (29)	62.5	36.7	27	1.0
TRITICALE						
3097	TRICAL BRAND 105	2450 (4)	58.2	40.4	32	1.0
3156	TRICAL BRAND 118	3100 (1)	59.3	31.1	31	1.0
3164	PACHECO	3070 (3)	58.8	37.4	32	1.0
3166	RSI 05T14058	3090 (2)	59.0	33.0	26	1.0
	MEAN	2520	62.3	38.5	29.0	1.21
	CV	8.2	1.3	4.7	7.8	22.4
	LSD (.05)	290	1.6	3.6	5.0	0.4

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 14. 2010 Common Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust						Fresno
		Mean (6 Loc)	Colusa 4/23	UC Davis 5/17	Sac/SJ Delta 5/12	Kern 5/6	Kings 5/5	
CULTIVARS								
	20 ANZA	4.8 (34)	4.8	5.5	5.0	4.0	4.0	5.8
	112 YECORA ROJO	7.8 (35)	7.0	8.0	8.0	7.5	8.0	8.0
	788 EXPRESS	4.1 (33)	4.0	4.5	4.8	3.8	4.0	3.8
	1155 SUMMIT	1.9 (31)	1.0	4.5	2.3	1.0	1.3	1.5
	1156 BLANCA GRANDE	1.9 (30)	1.0	4.5	2.3	1.0	1.5	1.0
	1424 JOAQUIN	2.3 (32)	1.0	4.5	2.8	1.0	3.3	1.3
	1478 CAL ROJO	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1500 EXPRESSO	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1521 REDWING	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1522 BLANCA ROYALE	1.0 (18)	1.0	1.0	1.3	1.0	1.0	1.0
	1523 BLANCA FUERTE	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1548 CHRISTALLO	1.0 (18)	1.0	1.3	1.0	1.0	1.0	1.0
	1555 LARIAT	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1605 PALOMA	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
ADVANCED LINES								
	1599 UCD 07013/24	1.0 (18)	1.0	1.3	1.0	1.0	1.0	1.0
	1600 UCD 07013/30	1.0 (18)	1.0	1.0	1.3	1.0	1.0	1.0
	1608 WWW CNBR9330	1.1 (22)	1.0	1.0	1.3	1.0	1.0	1.3
	1616 UCD 0810/5	1.8 (29)	1.0	3.0	2.5	1.0	1.5	1.8
	1624 WB DA905-10	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1638 APB W11-6	1.4 (24)	1.0	2.8	1.0	1.3	1.0	1.3
	1642 UCD 09013/4	1.4 (25)	1.0	2.0	2.3	1.0	1.0	1.3
	1643 UCD 09014/16	1.6 (26)	1.0	4.3	1.3	1.0	1.0	1.0
	1647 WB SJ908-186	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1648 WB SJ908-181	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1649 WB SJ908-214	1.6 (26)	1.0	2.0	3.5	1.0	1.0	1.0
	1650 WB-Rockland	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1651 WB SJ908-203	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1657 BLANCA GRANDE 515	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1658 SUMMIT 515	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1659 RSI 05W90192	1.1 (22)	1.0	1.0	1.0	1.5	1.0	1.0
	1660 RSI 05W90314	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1661 RSI 04W40311	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1662 RSI 05W90845	1.8 (28)	1.0	4.5	2.0	1.0	1.0	1.0
	1667 New Dirkwin	1.0 (1)	1.0	1.0	-	1.0	1.0	-
	1673 WWW CNBR9302	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
TRITICALE								
	3097 TRICAL BRAND 105	2.0 (2)	2.3	3.3	2.3	1.3	1.8	1.5
	3156 TRICAL BRAND 118	3.1 (4)	3.5	4.3	3.0	2.0	3.3	2.8
	3164 PACHECO	3.5 (5)	5.3	4.8	4.3	1.3	2.8	3.0
	3165 RSI 05T14065	1.5 (1)	1.8	2.5	1.8	1.0	1.0	1.3
	3166 RSI 05T14058	2.1 (3)	2.3	3.8	2.0	1.0	1.8	1.8
	MEAN	1.7	1.6	2.3	1.9	1.3	1.5	1.5
	CV	23.2	12.7	21.3	35.2	14.8	19.6	20.8
	LSD (.05)	0.2	0.3	0.7	0.9	0.3	0.4	0.4

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
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.

Table 15. 2010 Rainfed Common Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust				
		Mean (4 Loc)	UC Davis 5/12	San Luis Obispo 4/29	Tehama 5/10	Tulare 4/18
CULTIVARS						
	20 ANZA	4.3 (32)	4.3	5.0	4.8	3.3
	112 YECORA ROJO	6.9 (34)	8.0	8.0	7.0	4.5
	788 EXPRESS	1.7 (30)	3.3	1.0	1.5	1.0
	1155 SUMMIT	1.4 (29)	2.3	1.0	1.3	1.0
	1156 BLANCA GRANDE	1.3 (27)	2.3	1.0	1.0	1.0
	1424 JOAQUIN	1.3 (27)	1.8	1.3	1.3	1.0
	1478 CAL ROJO	1.0 (1)	1.0	1.0	1.0	1.0
	1500 EXPRESSO	1.0 (1)	1.0	1.0	1.0	1.0
	1521 REDWING	1.0 (1)	1.0	1.0	1.0	1.0
	1522 BLANCA ROYALE	1.0 (1)	1.0	1.0	1.0	1.0
	1523 BLANCA FUERTE	1.0 (1)	1.0	1.0	1.0	1.0
	1548 CHRISTALLO	1.0 (1)	1.0	1.0	1.0	1.0
	1550 TRIPLE IV	1.0 (1)	1.0	1.0	1.0	1.0
	1555 LARIAT	1.0 (1)	1.0	1.0	1.0	1.0
	1605 PALOMA	1.3 (26)	2.0	1.0	1.0	1.0
	1668 CHIDDAM BLANC DE MARS	5.3 (33)	6.5	5.3	6.0	3.3
	1669 INDIA-JAMMU	1.2 (23)	1.3	1.5	1.0	1.0
	1670 FOISY	1.2 (23)	1.0	1.0	1.8	1.0
	1671 ETHIOPIAN BLUE TINGE	2.0 (31)	3.5	1.0	2.5	1.0
ADVANCED LINES						
	1599 UCD 07013/24	1.0 (1)	1.0	1.0	1.0	1.0
	1600 UCD 07013/30	1.0 (1)	1.0	1.0	1.0	1.0
	1608 WWW CNBR9330	1.0 (1)	1.0	1.0	1.0	1.0
	1616 UCD 0810/5	1.1 (17)	1.0	1.3	1.0	1.0
	1624 WB DA905-10	1.0 (1)	1.0	1.0	1.0	1.0
	1642 UCD 09013/4	1.1 (17)	1.3	1.0	1.0	1.0
	1643 UCD 09014/16	1.0 (1)	1.0	1.0	1.0	1.0
	1647 WB SJ908-186	1.1 (17)	1.0	1.0	1.3	1.0
	1648 WB SJ908-181	1.0 (1)	1.0	1.0	1.0	1.0
	1649 WB SJ908-214	1.2 (23)	1.0	1.8	1.0	1.0
	1650 WB-Rockland	1.0 (1)	1.0	1.0	1.0	1.0
	1651 WB SJ908-203	1.1 (17)	1.0	1.0	1.3	1.0
	1657 BLANCA GRANDE 515	1.1 (17)	1.0	1.0	1.3	1.0
	1659 RSI 05W90192	1.0 (1)	1.0	1.0	1.0	1.0
	1673 WWW CNBR9302	1.1 (22)	1.5	1.0	1.0	1.0
TRITICALE						
	3097 TRICAL BRAND 105	1.4 (1)	2.5	1.3	1.0	1.0
	3156 TRICAL BRAND 118	2.8 (4)	4.5	2.3	3.3	1.0
	3164 PACHECO	2.4 (3)	4.3	1.0	3.3	1.0
	3166 RSI 05T14058	1.8 (2)	2.8	1.8	1.8	1.0
	MEAN	1.6	1.9	1.5	1.6	1.2
	CV	35.3	39.7	23.6	40.5	22.4
	LSD (.05)	0.4	1.1	0.5	0.9	0.4

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
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.

Table 16. 2010 COMMON WHEAT GRAIN PROTEIN SUMMARY (%)

Entry	Name	Over-all Mean (6 loc)	Sacramento Valley				San Joaquin Valley			
			Mean (3 loc)	Colusa	UC Davis	Sac/SJ Delta	Mean (3 loc)	Fresno	Kings	Kern
CULTIVARS										
20	ANZA	11.29 (39)	11.14	11.44	9.86	12.13	11.44	10.97	11.52	11.83
112	YECORA ROJO	12.30 (29)	12.25	11.99	11.27	13.50	12.35	11.90	11.93	13.23
788	EXPRESS	12.68 (21)	12.51	12.39	12.02	13.13	12.84	12.47	12.58	13.46
1155	SUMMIT	12.53 (25)	12.84	12.61	12.82	13.09	12.06	11.87	12.24	-
1156	BLANCA GRANDE	12.96 (14)	12.97	12.80	12.26	13.84	12.95	12.82	12.80	13.23
1419	PATWIN	13.37 (11)	13.13	13.13	-	-	13.61	-	13.61	-
1424	JOAQUIN	12.67 (22)	12.28	12.30	10.72	13.83	13.06	12.62	12.75	13.82
1478	CAL ROJO	11.87 (35)	11.70	10.82	10.82	13.47	12.03	11.17	11.55	13.37
1495	LASSIK	11.93 (33)	11.56	11.56	-	-	12.31	-	12.31	-
1500	EXPRESSO	13.17 (13)	12.88	12.80	11.25	14.60	13.45	13.48	13.08	13.78
1521	REDWING	11.82 (36)	11.56	11.91	11.21	-	11.99	11.42	11.41	13.13
1522	BLANCA ROYALE	12.13 (32)	12.08	11.49	11.40	13.36	12.17	11.86	12.00	12.66
1523	BLANCA FUERTE	11.25 (40)	11.02	11.02	9.66	12.37	11.47	11.23	11.10	12.09
1548	CHRISTALLO	12.39 (26)	11.78	10.91	10.79	13.63	13.01	13.37	12.45	13.20
1555	LARIAT	11.87 (34)	11.74	10.95	10.51	13.75	12.01	11.72	11.36	12.95
1605	PALOMA	13.40 (10)	13.21	12.75	12.23	14.65	13.58	12.91	13.42	14.42
ADVANCED LINES										
1599	UCD 07013/24	12.25 (31)	12.01	11.67	10.68	13.68	12.50	12.52	11.71	13.26
1600	UCD 07013/30	12.30 (30)	12.29	12.88	10.58	13.41	12.31	12.83	11.77	12.33
1608	WWW CNBR9330	10.83 (41)	9.82	10.30	9.34	-	11.50	11.53	10.62	12.34
1616	UCD 0810/5	12.63 (24)	12.47	11.99	12.02	13.40	12.79	12.29	12.73	13.35
1624	WB DA905-10	12.83 (16)	13.28	15.06	11.57	13.21	12.38	12.25	11.76	13.12
1638	APB W11-6	14.12 (3)	14.22	13.92	13.69	15.04	14.02	13.59	13.81	14.67
1642	UCD 09013/4	13.85 (6)	13.71	13.96	13.45	13.72	14.05	14.10	14.00	-
1643	UCD 09014/16	13.21 (12)	13.17	12.67	12.85	13.99	13.25	13.14	13.13	13.48
1647	WB SJ908-186	13.79 (7)	13.41	12.74	13.95	13.55	14.17	14.33	14.02	14.16
1648	WB SJ908-181	13.68 (8)	13.48	12.96	13.50	13.97	13.88	13.93	14.00	13.72
1649	WB SJ908-214	14.67 (1)	15.17	13.48	16.50	15.54	14.17	13.21	14.80	14.49
1650	WB-ROCKLAND	14.31 (2)	14.19	13.89	14.01	14.67	14.43	14.89	14.26	14.15
1651	WB SJ908-203	14.00 (4)	13.81	12.94	13.93	14.56	14.20	14.29	14.12	14.18
1657	BLANCA GRANDE 515	13.87 (5)	14.39	15.42	13.94	13.81	13.35	13.75	13.09	13.20
1658	SUMMIT 515	12.31 (28)	11.86	9.23	13.01	13.35	12.75	12.53	12.22	13.51
1659	RSI 05W90192	12.79 (18)	12.78	12.19	11.75	14.39	12.80	12.15	12.55	13.69
1660	RSI 05W90314	12.31 (27)	12.20	11.40	11.69	13.50	12.43	11.67	12.09	13.53
1661	RSI 04W40311	12.74 (19)	12.65	11.71	12.80	13.44	12.82	12.23	12.85	13.38
1662	RSI 05W90845	12.89 (15)	12.36	12.79	10.49	13.79	13.41	12.87	13.97	13.40
1663	RSI 05W90908R	12.69 (20)	12.81	-	-	12.81	12.63	12.58	12.67	-
1664	RSI 05W90908W	12.80 (17)	-	-	-	-	12.80	12.89	12.48	13.04
1665	RSI 05W90818	13.48 (9)	-	-	-	-	13.48	12.88	14.12	13.44
1666	RSI 03W10068	12.65 (23)	-	-	-	-	12.65	12.93	12.04	12.99
1667	NEW DIRKWIN	11.59 (38)	11.07	11.71	10.42	-	12.12	-	12.30	11.93
1673	WWW CNBR9302	11.66 (37)	11.74	11.59	11.09	12.55	11.57	11.58	11.10	12.04

Grain Protein % expressed at 12% moisture

Numbers in parentheses indicate relative rank in column.

Table 17. 2010 KINGS COMMON WHEAT TEST, QUALITY EVALUATION

Entry	Name	Wheat								Yield	Flour				Farinograph					Bread		Score
		Pro	Ash	Hard (NIR)	Test Wt	1000 Kwt	Kernel Size Dist. (200 g)				Pro	Ash	Fall No.	Wet Glut.	Absp	Arr	Mix Pk	MT	M.T.I.	Vol	Text	
CULTIVARS																						
20	ANZA	11.52	1.50	76	58.1	29.5	121.9	75.5	2.0	73.1	10.15	0.70	417	29.7	66.2	2.00	2.50	2.75	80	685	u	1
112	YECORA ROJO	11.93	1.61	81	55.6	32.2	110.8	85.7	3.3	71.5	10.97	0.67	423	30.4	64.8	1.75	5.00	15.75	20	825	s	2
788	EXPRESS	12.58	1.47	77	60.1	39.4	168.4	30.9	0.6	74.4	11.48	0.54	410	34.9	66.6	2.72	4.50	9.00	30	895	s	3
1155	SUMMIT	12.24	1.36	74	63.0	45.8	182.1	17.4	0.5	77.6	11.20	0.49	415	35.5	66.4	4.25	8.50	7.75	50	920	s	4
1156	BLANCA GRANDE	12.80	1.27	65	65.1	47.7	184.9	14.8	0.3	78.3	11.51	0.44	375	35.7	67.4	3.50	5.50	8.50	45	920	s	4
1424	JOAQUIN	12.75	1.26	69	64.0	47.4	186.4	13.0	0.4	77.7	11.40	0.45	387	36.7	66.8	3.25	7.00	18.50	--	1000	s	5
1478	CAL ROJO	11.55	1.32	67	62.5	45.1	173.3	25.7	0.9	77.0	10.44	0.48	457	30.3	62.4	2.50	5.50	7.50	40	890	s	3
1500	EXPRESSO	13.08	1.35	71	62.8	42.4	179.2	20.3	0.3	73.8	12.01	0.51	448	37.8	69.8	4.00	7.00	8.00	50	940	s	4
1521	REDWING	11.41	1.27	78	62.1	45.7	188.7	11.1	0.3	78.9	11.00	0.51	478	30.5	66.2	1.75	4.50	8.75	40	880	s	3
1522	BLANCA ROYALE	12.00	1.17	71	64.2	43.9	180.7	18.8	0.3	74.2	9.93	0.48	457	27.2	62.2	2.50	5.00	7.50	40	875	s	3
1523	BLANCA FUERTE	11.10	1.19	73	65.1	45.1	184.4	14.9	0.5	77.0	11.30	0.45	456	26.7	62.6	2.00	7.50	15.00	20	910	s	4
1548	CHRISTALLO	12.45	1.23	72	64.0	42.9	187.5	12.3	0.1	71.9	11.13	0.41	471	33.7	66.0	3.75	7.50	9.25	40	970	s	5
1555	LARIAT	11.36	1.57	75	63.3	41.0	166.1	32.7	0.8	71.8	10.79	0.38	450	25.2	61.6	6.50	11.75	10.25	35	860	s	2
1605	PALOMA	13.42	1.30	66	65.7	46.0	187.9	11.5	0.4	71.8	12.09	0.39	444	26.5	71.2	2.25	3.25	2.25	95	940	s	4
ADVANCED LINES																						
1599	UCD 07013/24	11.71	1.17	75	62.8	43.4	180.4	18.9	0.4	71.2	10.44	0.35	477	31.4	63.2	3.25	6.00	8.25	45	830	s	2
1600	UCD 07013/30	11.77	1.22	66	64.4	48.2	189.8	9.9	0.1	72.6	10.57	0.42	371	30.9	60.2	3.00	7.50	12.00	45	880	s	3
1608	WWW CNBR9330	10.62	1.20	82	62.4	39.2	175.1	24.0	0.9	67.7	9.59	0.41	454	33.2	62.6	1.50	2.50	5.00	60	735	u	1
1616	UCD 0810/5	12.73	1.38	65	63.4	45.7	182.5	17.2	0.3	74.6	11.52	0.39	446	34.0	69.6	2.50	4.25	7.50	40	900	s	4
1624	WB DA905-10	11.76	1.28	71	63.1	43.5	183.8	16.1	0.1	76.2	10.67	0.40	412	29.8	70.0	2.00	4.00	5.00	70	900	s	4
1638	APB W11-6	13.81	1.32	64	62.9	46.6	188.2	11.6	0.2	75.4	12.68	0.44	511	35.6	65.6	4.50	8.00	11.25	30	950	s	5
1642	UCD 09013/4	14.00	1.24	70	62.2	42.6	183.1	16.4	0.3	76.0	12.71	0.43	420	39.5	67.4	3.75	5.50	7.75	30	950	s	5
1643	UCD 09014/16	13.13	1.26	70	63.4	46.5	186.4	13.3	0.3	73.4	12.10	0.48	444	37.4	71.0	4.00	9.25	13.00	30	960	s	5
1647	WB SJ908-186	14.02	1.44	69	64.4	48.5	191.3	8.4	0.2	74.1	13.00	0.56	514	37.5	68.4	5.00	8.50	16.00	40	870	s	3
1648	WB SJ908-181	14.00	1.39	58	63.3	46.2	190.1	9.7	0.1	75.1	12.98	0.44	453	34.7	65.8	4.50	4.00	24.00	--	1025	s	5
1649	WB SJ908-214	14.80	1.39	54	63.6	48.8	194.0	5.7	0.1	73.8	13.78	0.67	528	37.1	65.0	5.75	12.00	26.75	10	1025	s	5
1650	WB SJ908-247	14.26	1.47	72	63.4	42.9	183.9	15.8	0.2	72.6	13.21	0.64	482	38.7	68.0	5.00	9.00	16.50	30	975	s	5
1651	WB SJ908-203	14.12	1.68	69	64.3	44.9	189.0	10.7	0.2	74.3	13.11	0.68	473	34.3	65.6	6.00	9.00	10.75	40	910	s	4
1657	BLANCA GRANDE 5	13.09	1.53	68	65.5	44.3	188.8	11.0	0.2	74.0	12.05	0.80	385	31.6	69.8	5.25	12.25	13.75	30	970	s	5
1658	SUMMIT 515	12.22	1.34	71	63.3	43.3	185.1	14.6	0.3	72.5	11.00	0.47	488	32.5	65.2	3.25	5.50	11.75	20	925	s	4
1659	RSI 05W90192	12.55	1.41	72	64.3	41.9	181.5	17.8	0.3	75.2	11.50	0.39	425	30.2	63.2	3.00	8.75	18.50	30	890	s	3
1660	RSI 05W90314	12.09	1.37	73	62.1	43.3	178.5	20.7	0.5	74.2	11.00	0.44	415	28.8	63.6	2.75	7.50	12.25	35	890	s	3
1661	RSI 04W40311	12.85	1.30	67	64.5	46.4	183.1	16.4	0.6	76.2	11.76	0.41	437	31.4	64.4	4.00	9.25	9.00	30	900	s	4
1662	RSI 05W90845	13.97	2.03	74	62.8	47.4	192.6	7.1	0.2	73.8	12.68	0.48	395	34.5	67.4	3.50	7.25	12.50	30	910	s	4
1663	RSI 05W90908R	12.67	1.15	81	63.0	38.6	170.6	28.3	0.9	74.2	11.60	0.46	431	31.4	68.5	2.75	9.00	12.50	35	950	s	5
1664	RSI 05W90908W	12.48	1.23	78	64.3	40.6	179.4	20.0	0.5	74.8	11.12	0.45	443	31.3	64.2	1.75	6.50	22.75	10	840	s	2
1665	RSI 05W90818	14.12	1.29	59	63.5	47.5	186.7	12.9	0.3	73.5	12.77	0.45	442	36.9	64.4	4.25	9.50	14.75	30	975	s	5
1666	RSI 03W10068	12.04	1.29	71	64.2	46.2	186.0	13.6	0.4	75.5	11.10	0.48	413	33.4	64.4	2.75	8.00	15.25	30	900	s	4
1667	NEW DIRKWIN	12.30	1.29	40	56.2	32.0	139.4	58.9	1.2	66.6	10.73	0.44	397	32.2	58.8	1.75	4.00	5.00	60	850	s	2
1673	WWW CNBR9302	11.10	1.29	81	61.4	38.3	166.5	32.3	1.1	74.0	9.84	0.55	439	27.3	64.2	2.25	4.75	6.25	50	750	u	1

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA

Pro = Protein% (12% moisture basis); Hard = NIR Hardness; Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams);

Yield = Flour yield (%); Fall No = Falling number (seconds); Wet Glut = Wet gluten (%; 14% moisture basis); Absp = Absorption (%);

Arr = Arrival (min); Mix Pk = Mixing peak (min); MT = Stability of farinograph curve, departure - arrival (min); M.T.I. = Mixing tolerance index (B.U.);

Vol = Bread volume (c.c.); Text = Grain and texture (e = Excellent, s = Satisfactory, q = Questionable, u = Unsatisfactory);

Score: 5 = Excellent, 4 = Satisfactory, 3 = Satisfactory to questionable, 2 = Questionable, 1 = Unsatisfactory

Table 18a. 2010 COLUSA COMMON WHEAT TEST, QUALITY EVALUATION

Entry Name	Wheat									Flour				Farinograph					Bread		
	Pro	Ash	Hard	Test	1000	Kernel Size Dist. (200 g)			Yield	Pro	Ash	Fall	Wet	Absp	Arr	Mix	MT	M.T.I.	Vol	Text	Score
			(NIR)	Wt	Kwt	7W	10W	12W				No.	Glut.			Pk					
CULTIVARS																					
20 ANZA	11.44	1.78	72	55.2	32.5	133.9	65.2	0.9	69.4	10.16	0.56	437	31.9	68.2	2.00	4.00	3.50	90	750	s	1
112 YECORA ROJO	11.99	1.64	66	56.7	36.6	155.0	44.0	0.8	70.1	11.00	0.56	332	31.1	65.2	2.00	5.50	8.00	50	880	s	3
788 EXPRESS	12.39	1.68	70	58.7	43.5	183.9	15.9	0.1	70.8	11.34	0.50	404	33.6	70.2	2.50	7.00	12.25	30	890	s	3
1155 SUMMIT	12.61	1.54	65	63.7	53.5	192.6	7.2	0.1	73.2	11.60	0.50	473	36.7	72.0	3.00	6.00	8.50	30	930	s	4
1156 BLANCA GRANDE	12.80	1.58	59	63.9	50.6	188.7	11.2	0.1	74.9	11.98	0.47	607	35.0	68.8	3.25	7.00	9.75	40	965	s	5
1424 JOAQUIN	12.30	1.63	69	61.5	43.2	170.2	29.4	0.3	73.2	11.35	0.49	448	32.8	66.2	2.00	8.25	29.00	15	875	s	3
1478 CAL ROJO	10.82	1.41	62	63.5	51.9	190.2	9.3	0.3	75.0	10.42	0.52	442	28.9	64.0	1.50	6.00	14.25	40	925	s	4
1500 EXPRESSO	12.80	1.57	69	64.0	48.4	192.1	7.9	0.1	71.2	11.34	0.50	423	37.9	69.8	3.25	7.00	12.25	35	965	s	5
1521 REDWING	11.91	1.39	69	63.5	52.9	194.1	5.7	0.2	77.0	10.49	0.50	469	32.7	70.8	2.50	7.00	15.50	30	935	s	4
1522 BLANCA ROYALE	11.49	1.42	64	64.5	49.3	190.8	9.1	--	75.6	10.49	0.48	396	29.3	64.8	2.50	5.00	6.25	45	875	su	3
1523 BLANCA FUERTE	11.02	1.46	68	65.0	50.3	188.9	10.9	0.2	76.1	9.99	0.50	464	28.0	66.0	1.25	5.50	14.50	10	875	s-0	3
1548 CHRISTALLO	10.91	1.57	78	63.1	45.1	187.4	13.4	0.1	73.1	9.72	0.52	441	28.3	69.2	2.50	4.50	6.00	45	740	s	1
1555 LARIAT	10.95	1.41	67	64.9	49.6	185.7	14.0	0.2	74.9	9.86	0.49	457	28.0	64.8	5.50	9.00	7.00	50	815	s	2
1605 PALOMA	12.75	1.49	62	94.3	52.3	192.9	9.9	0.2	74.0	11.65	0.50	401	32.0	66.4	2.00	7.75	17.50	30	915	s	4
ADVANCED LINES																					
1599 UCD 07013/24	11.67	1.54	75	62.6	49.0	183.7	15.9	0.4	73.3	10.60	0.52	404	30.8	67.8	3.50	9.50	10.50	40	865	s	3
1600 UCD 07013/30	12.88	1.50	53	63.1	54.6	196.0	4.0	0.1	74.1	11.66	0.47	348	33.8	65.0	3.00	5.50	4.75	70	890	s	3
1608 WWW CNBR9330	10.30	1.47	78	63.4	47.5	186.9	13.1	0.2	73.4	9.03	0.54	423	32.1	71.0	2.00	4.50	5.00	80	875	s	3
1616 UCD 0810/5	11.99	1.48	64	63.2	47.3	186.3	13.2	0.2	75.4	10.49	0.43	475		63.8	3.00	6.00	7.00	50	875	s	3
1624 WB DA905-10	15.06	1.53	58	64.8	56.4	197.1	3.0	0.1	74.8	14.01	0.61	466	42.7	73.2	5.00	9.50	12.50	30	935	s	4
1638 APB W11-6	13.92	1.59	54	62.8	52.9	191.9	8.0	0.1	76.5	12.85	0.66	401	38.2	68.6	3.50	5.50	5.50	50	940	s	4
1642 UCD 09013/4	13.96	1.47	63	62.6	50.5	193.5	6.5	0.1	75.9	12.91	0.51	473	40.2	71.8	3.25	7.00	8.75	50	900	s	4
1643 UCD 09014/16	12.67	1.64	67	62.9	50.7	189.2	10.5	0.2	71.7	11.64	0.54	376	35.5	70.0	2.25	5.00	7.00	50	870	s	3
1647 WB SJ908-186	12.74	1.49	69	64.2	48.7	192.1	7.8	0.1	74.1	11.31	0.47	397	33.2	68.6	2.75	5.00	4.75	50	960	s	5
1648 WB SJ908-181	12.96	1.47	57	64.9	52.6	196.0	4.0	0.1	76.0	12.12	0.49	432	34.2	66.6	3.50	8.50	24.00	20	950	s	5
1649 WB SJ908-214	13.48	1.57	52	63.9	52.5	196.5	3.5	0.1	72.9	12.06	0.50	477	37.4	68.0	4.25	9.00	22.00	20	975	s	5
1650 WB SJ908-247	13.89	1.49	68	64.6	48.0	192.5	7.4	0.1	74.5	13.02	0.51	455	39.1	71.0	4.50	8.00	9.00	20	975	s	5
1651 WB SJ908-203	12.94	1.72	60	64.9	54.3	195.5	4.4	0.1	74.0	12.08	0.70	500	41.2	70.0	4.50	7.00	16.50	40	960	s	5
1657 BLANCA GRANDE :	15.42	1.61	67	63.9	47.9	186.1	1338.0	0.1	75.0	14.20	0.66	435	35.4	68.4	3.25	9.00	22.50	20	935	s	4
1658 SUMMIT 515	9.23	1.52	12	59.8	45.3	183.5	16.0	0.4	73.6	11.04	0.45	282	--	57.8	0.75	6.00	1.00	165	--	u	1
1659 RSI 05W90192	12.19	1.65	62	63.7	47.0	185.6	14.5	0.2	75.0	11.00	0.53	474	30.3	63.4	2.00	1.00	13.00	25	825	s	2
1660 RSI 05W90314	11.40	1.50	70	62.9	49.7	186.1	13.8	0.2	74.3	10.36	0.59	359	31.6	64.2	1.75	4.50	11.50	25	850	s	3
1661 RSI 04W40311	11.71	1.43	68	65.6	50.0	189.5	10.2	0.2	74.8	10.36	0.49	423	32.2	64.2	3.00	7.25	7.00	70	840	s	2
1662 RSI 05W90845	12.79	1.40	68	64.1	53.6	196.8	3.0	0.1	75.9	11.57	0.42	457	34.2	67.2	3.00	6.50	8.25	40	850	s	3
1667 NEW DIRKWIN	11.71	1.53	35	59.9	39.2	173.5	24.9	0.4	65.1	10.27	0.57	377	30.5	59.0	1.50	2.25	4.25	70	840	s-0	2
1673 WWW CNBR9302	11.59	1.65	74	62.2	47.9	187.3	12.1	0.4	72.7	10.43	0.60	441	28.4	70.6	1.50	3.50	4.25	70	780	u	1

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA

Pro = Protein% (12% moisture basis); Hard = NIR Hardness; Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams);

Yield = Flour yield (%); Fall No = Falling number (seconds); Wet Glut = Wet gluten (% , 14% moisture basis); Absp = Absorption (%);

Arr = Arrival (min); Mix Pk = Mixing peak (min); MT = Stability of farinograph curve, departure - arrival (min); M.T.I. = Mixing tolerance index (B.U.);

Vol = Bread volume (c.c.); Text = Grain and texture (e = Excellent, s = Satisfactory, q = Questionable, u = Unsatisfactory);

Score: 5 = Excellent, 4 = Satisfactory, 3 = Satisfactory to questionable, 2 = Questionable, 1 = Unsatisfactory

Table 18b. UC DAVIS COMMON WHEAT TEST, QUALITY EVALUATION

Entry Name	Wheat									Flour				Farinograph					Bread		
	Pro	Ash	Hard	Test	1000	Kernel Size Dist. (200 g)			Yield	Pro	Ash	Fall	Wet	Absp	Arr	Mix	MT	M.T.I.	Vol	Text	Score
			(NIR)	Wt	Kwt	7W	10W	12W				No.	Glut.			Pk					
CULTIVARS																					
20 ANZA	9.86	1.36	71	60.4	33.6	151.4	47.7	1.3	70.0	8.44	0.54	456	22.6	64.4	1.75	2.50	2.75	80	660	u	1
112 YECORA ROJO	11.27	1.58	71	57.2	39.7	150.2	47.9	1.3	68.0	9.77	0.57	462	27.6	62.2	1.50	6.00	24.00	20	825	s	2
788 EXPRESS	12.02	1.59	74	58.1	39.1	172.8	26.8	0.5	66.9	10.76	0.52	456	33.5	69.6	3.50	9.00	12.00	20	920	s	4
1155 SUMMIT	12.82	1.42	71	61.2	44.1	174.4	21.7	0.3	72.5	11.41	0.49	438	32.7	69.4	3.50	7.50	11.00	25	930	s	4
1156 BLANCA GRANDE	12.26	1.48	61	65.0	49.2	192.6	7.9	0.2	73.1	10.76	0.47	295	29.9	67.4	2.50	6.50	14.00	30	880	s	3
1424 JOAQUIN	10.72	1.43	69	64.1	49.9	187.5	12.1	0.2	74.1	9.72	0.46	417	30.8	67.2	2.25	6.50	17.25	30	890	s	3
1478 CAL ROJO	10.82	1.49	58	62.7	50.3	185.3	14.3	0.4	72.1	9.75	0.50	445	29.4	63.6	1.75	6.50	15.75	20	900	s	4
1500 EXPRESSO	11.25	1.54	75	63.5	44.3	183.8	15.5	0.2	75.5	10.21	0.58	423	32.5	70.6	2.50	5.00	10.00	10	975	s	3
1521 REDWING	11.21	1.55	68	63.1	50.6	191.7	8.2	0.2	73.2	10.16	0.51	427	30.8	70.2	2.25	4.00	7.75	40	855	s	2
1522 BLANCA ROYALE	11.40	1.44	66	64.1	45.0	185.9	13.8	0.2	73.3	10.37	0.45	433	31.1	65.2	2.00	6.25	10.75	35	840	s	2
1523 BLANCA FUERTE	9.66	1.44	68	63.5	48.9	186.6	13.1	0.2	74.3	8.62	0.49	462	24.1	64.6	1.25	2.00	7.50	20	750	u	1
1548 CHRISTALLO	10.79	1.37	66	64.5	45.0	186.2	13.5	0.2	73.8	9.72	0.49	443	28.9	67.4	1.50	5.50	18.25	--	870	s	3
1555 LARIAT	10.51	1.51	65	64.0	44.0	171.1	28.2	0.5	72.2	9.48	0.49	456	27.1	63.8	4.25	8.25	8.75	40	800	s	2
1605 PALOMA	12.23	1.41	65	64.0	45.3	185.8	13.9	0.2	71.8	11.14	0.49	517	31.8	64.8	2.50	14.00	43.50	--	880	s	3
ADVANCED LINES																					
1599 UCD 07013/24	10.68	1.49	68	63.2	45.4	183.2	16.6	0.2	72.4	9.62	0.55	438	30.3	65.0	2.50	4.00	8.50	30	810	s-q	2
1600 UCD 07013/30	10.58	1.50	56	63.9	51.3	192.9	6.9	0.1	73.3	9.42	0.44	410	30.3	63.4	2.50	5.50	6.75	50	835	s	2
1608 WWW CNBR9330	9.34	1.46	77	62.4	41.6	173.9	25.5	0.5	70.6	8.32	0.57	452	21.1	68.4	2.00	4.50	5.50	50	740	u	1
1616 UCD 0810/5	12.02	1.55	59	63.6	47.0	184.4	15.0	0.1	73.7	10.99	0.46	446	33.4	64.8	3.00	7.25	11.00	30	925	s	4
1624 WB DA905-10	11.57	1.37	65	63.3	50.4	187.4	12.6	0.1	75.7	10.62	0.53	479	31.3	67.8	2.50	4.25	7.75	40	915	s	4
1638 APB W11-6	13.69	1.44	58	63.4	51.3	191.6	8.4	0.1	73.9	12.58	0.49	434	35.7	68.4	4.75	9.00	10.25	40	940	s	4
1642 UCD 09013/4	13.45	1.46	67	63.8	47.9	189.7	10.2	0.2	72.8	12.20	0.45	458	38.6	70.4	3.00	5.00	8.50	40	920	s	4
1643 UCD 09014/16	12.85	1.54	64	63.5	49.5	187.8	11.9	0.2	71.7	11.50	0.51	418	36.8	71.0	3.00	8.00	14.50	20	900	s	4
1647 WB SJ908-186	13.95	1.58	64	64.7	53.2	194.4	5.5	0.1	73.0	12.86	0.51	488	36.9	70.8	5.00	9.00	18.00	20	910	s	4
1648 WB SJ908-181	13.50	1.51	57	64.3	51.0	194.5	5.4	0.1	73.8	12.13	0.45	443	34.0	67.6	3.50	17.00	25.00	10	975	s	5
1649 WB SJ908-214	16.50	1.48	18	62.5	49.1	193.1	7.0	0.1	71.7	15.20	0.53	545	39.7	69.6	11.50	15.50	20.00	20	1035	s	5
1650 WB SJ908-247	14.01	1.54	69	63.7	46.1	188.1	11.7	0.1	71.0	12.90	0.51	456	37.3	71.2	4.00	10.00	19.00	10	960	s	5
1651 WB SJ908-203	13.93	1.51	64	64.6	51.1	192.8	6.5	0.1	73.7	12.73	0.53	519	37.2	68.8	4.00	10.00	18.50	--	890	s	4
1657 BLANCA GRANDE :	13.94	1.45	62	64.3	43.5	181.6	18.4	0.1	73.0	12.44	0.43	386	35.9	65.4	3.00	7.50	16.00	25	975	s	5
1658 SUMMIT 515	13.01	1.49	67	63.2	45.7	181.2	18.3	0.3	73.6	11.78	0.51	453	34.5	68.0	3.25	5.25	6.50	30	935	s	4
1659 RSI 05W90192	11.75	1.61	62	64.7	48.3	187.0	12.7	0.2	74.7	10.69	0.53	448	30.8	71.0	2.50	6.00	11.50	20	920	s	4
1660 RSI 05W90314	11.69	1.31	68	61.8	45.2	176.2	22.8	0.6	72.3	10.62	0.52	452	30.5	63.8	2.50	6.00	15.50	15	840	s	3
1661 RSI 04W40311	12.80	1.44	67	63.9	43.2	174.9	24.7	0.4	72.5	11.50	0.44	478	32.5	61.8	2.00	6.00	13.00	15	885	s	3
1662 RSI 05W90845	10.49	1.49	67	64.0	51.3	193.6	6.2	0.1	74.8	9.45	0.54	494	27.1	67.2	1.50	8.00	11.50	30	775	uu	1
1667 NEW DIRKWIN	10.42	1.63	35	60.5	38.2	169.1	30.3	0.5	68.9	9.32	0.53	346	23.9	58.2	1.25	2.25	3.25	140	760	u	1
1673 WWW CNBR9302	11.09	1.45	77	61.3	38.0	156.1	42.9	0.9	72.8	9.83	0.55	456	26.7	66.0	2.50	4.50	4.00	70	720	u	1

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA

Pro = Protein% (12% moisture basis); Hard = NIR Hardness; Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams);

Yield = Flour yield (%); Fall No = Falling number (seconds); Wet Glut = Wet gluten (% , 14% moisture basis); Absp = Absorption (%);

Arr = Arrival (min); Mix Pk = Mixing peak (min); MT = Stability of farinograph curve, departure - arrival (min); M.T.I. = Mixing tolerance index (B.U.);

Vol = Bread volume (c.c.); Text = Grain and texture (e = Excellent, s = Satisfactory, q = Questionable, u = Unsatisfactory);

Score: 5 = Excellent, 4 = Satisfactory, 3 = Satisfactory to questionable, 2 = Questionable, 1 = Unsatisfactory

Table 19. 2008-2010 COMMON WHEAT OVER YEAR YIELD SUMMARY

Entry	Name	Sacramento Valley			San Joaquin Valley			Imperial Valley			Rainfed Tests		
		2010 (3 Loc)	2009-10 (6 Loc/Yr)	2008-10 (9 Loc/Yr)	2010 (3 Loc)	2009-10 (6 Loc/Yr)	2008-10 (9 Loc/Yr)	2010 (1 Loc)	2009-10 (2 Loc/Yr)	2008-10 (3 Loc/Yr)	2010 (2 Loc)	2009-10 (3 Loc/Yr)	2008-10 (5 Loc/Yr)
CULTIVARS													
20	ANZA	3770 (34)	4130 (18)	4570 (15)	4940 (39)	4810 (18)	5020 (16)	7460 (3)	6920 (5)	7030 (6)	2860 (29)	2480 (14)	2460 (13)
112	YECORA ROJO	2210 (36)	3020 (20)	3210 (17)	3920 (40)	4020 (20)	4580 (17)	7430 (5)	6370 (11)	6510 (9)	2630 (30)	2380 (15)	2400 (14)
788	EXPRESS	4500 (33)	4650 (17)	4460 (16)	6320 (35)	5390 (16)	5370 (15)	5220 (29)	6200 (14)	6140 (13)	3680 (22)	3150 (10)	3060 (9)
1155	SUMMIT	7750 (1)	-	-	8060 (9)	-	-	8260 (1)	-	-	4020 (14)	-	-
1156	BLANCA GRANDE	6500 (20)	5630 (15)	5610 (13)	7750 (18)	6620 (9)	6690 (6)	6650 (16)	6870 (6)	6750 (8)	4160 (9)	3500 (4)	3410 (4)
1361	CLEARWHITE	-	5470 (16)	5860 (10)	-	5130 (17)	5380 (14)	-	6790 (8)	6490 (10)	-	2120 (16)	2240 (15)
1419	PATWIN *	7200 (13)	6760 (4)	6930 (4)	8520 (1)	6840 (4)	7160 (1)	-	7590 (1)	7140 (4)	-	1880 (17)	1870 (16)
1424	JOAQUIN	6600 (18)	6110 (10)	6320 (9)	8230 (5)	6720 (7)	6510 (8)	6940 (12)	5740 (17)	6060 (14)	4220 (6)	3510 (3)	3460 (3)
1478	CAL ROJO	7360 (10)	6450 (7)	6750 (5)	8020 (10)	6770 (5)	6770 (4)	7010 (10)	5770 (16)	5980 (15)	4130 (10)	3490 (5)	3370 (5)
1495	LASSIK *	7400 (8)	6720 (5)	6960 (2)	8290 (3)	7040 (1)	7070 (2)	-	6310 (13)	7070 (5)	-	1510 (18)	1700 (17)
1500	EXPRESSO	6190 (23)	5700 (14)	5570 (14)	7010 (28)	5940 (15)	5800 (13)	5970 (27)	6610 (10)	6490 (10)	4070 (11)	3410 (7)	3280 (7)
1521	REDWING	7600 (5)	6900 (2)	6940 (3)	8140 (7)	6960 (2)	6950 (3)	7190 (9)	6640 (9)	6880 (7)	4190 (7)	3430 (6)	3330 (6)
1522	BLANCA ROYALE	7370 (9)	6390 (8)	6450 (7)	8160 (6)	6670 (8)	6560 (7)	6950 (11)	6320 (12)	6160 (12)	4190 (7)	3400 (8)	3280 (7)
1523	BLANCA FUERTE	7540 (6)	6960 (1)	7230 (1)	8320 (2)	6740 (6)	6740 (5)	7830 (2)	6860 (7)	7160 (3)	4320 (4)	3690 (1)	3510 (1)
1548	CHRISTALLO	7110 (14)	6470 (6)	6380 (8)	7730 (19)	6420 (11)	6200 (10)	6560 (17)	7500 (2)	7360 (2)	4340 (3)	3540 (2)	3470 (2)
1550	TRIPLE IV	-	-	-	-	-	-	-	-	-	3730 (20)	3030 (13)	2960 (12)
1555	LARIAT	6160 (24)	5750 (13)	5770 (11)	7350 (23)	6170 (12)	6140 (11)	6230 (24)	5970 (15)	5850 (16)	3790 (19)	3140 (11)	3000 (11)
1605	PALOMA	6400 (21)	5880 (11)	5690 (12)	7080 (27)	6030 (14)	6140 (11)	6510 (18)	-	-	4060 (12)	-	-
1668	CHIDDAM BLANC DE MARS	-	-	-	-	-	-	-	-	-	2240 (31)	-	-
1669	INDIA-JAMMU	-	-	-	-	-	-	-	-	-	2170 (32)	-	-
1670	FOISY	-	-	-	-	-	-	-	-	-	1070 (34)	-	-
1671	ETHIOPIAN BLUE TINGE	-	-	-	-	-	-	3640 (32)	-	-	1440 (33)	-	-
ADVANCED LINES													
1599	UCD 07013/24	7260 (11)	-	-	7930 (15)	-	-	6860 (13)	-	-	4230 (5)	-	-
1600	UCD 07013/30	6800 (15)	6300 (9)	6740 (6)	7940 (13)	6430 (10)	6420 (9)	7450 (4)	7440 (3)	7390 (1)	3550 (25)	3100 (12)	3040 (10)
1608	WWW CNBR9330	5230 (32)	-	-	6410 (34)	-	-	6390 (19)	-	-	3730 (20)	-	-
1616	UCD 0810/5	6120 (26)	5830 (12)	-	6970 (29)	6140 (13)	-	7390 (6)	7130 (4)	-	3940 (16)	3370 (9)	-
1624	WB DA905-10	7480 (7)	6900 (2)	-	8290 (3)	6860 (3)	-	7390 (6)	-	-	4490 (1)	-	-
1638	APB W11-6	3590 (35)	3430 (19)	-	5600 (38)	4810 (18)	-	4770 (31)	4770 (18)	-	-	-	-
1642	UCD 09013/4	6130 (25)	-	-	6730 (31)	-	-	6270 (22)	-	-	3980 (15)	-	-
1643	UCD 09014/16	5440 (29)	-	-	7180 (25)	-	-	5970 (27)	-	-	3220 (28)	-	-
1647	WB SJ908-186	5640 (27)	-	-	6190 (37)	-	-	6260 (23)	-	-	3420 (27)	-	-
1648	WB SJ908-181	6360 (22)	-	-	7440 (22)	-	-	6770 (15)	-	-	3810 (18)	-	-
1649	WB SJ908-214	5420 (30)	-	-	6630 (33)	-	-	6830 (14)	-	-	3500 (26)	-	-
1650	WB-Rockland	6550 (19)	-	-	6700 (32)	-	-	6300 (21)	-	-	3920 (17)	-	-
1651	WB SJ908-203	5610 (28)	-	-	6320 (35)	-	-	6190 (25)	-	-	3650 (24)	-	-
1657	BLANCA GRANDE 515	6720 (16)	-	-	7880 (16)	-	-	7210 (8)	-	-	4370 (2)	-	-
1658	SUMMIT 515	7640 (4)	-	-	7980 (12)	-	-	-	-	-	-	-	-
1659	RSI 05W90192	6640 (17)	-	-	7480 (21)	-	-	6390 (19)	-	-	4030 (13)	-	-
1660	RSI 05W90314	7660 (3)	-	-	7940 (13)	-	-	-	-	-	-	-	-
1661	RSI 04W40311	7700 (2)	-	-	7120 (26)	-	-	-	-	-	-	-	-
1662	RSI 05W90845	7230 (12)	-	-	7630 (20)	-	-	-	-	-	-	-	-
1663	RSI 05W90908R	-	-	-	-	-	-	8120 (8)	-	-	-	-	-
1664	RSI 05W90908W	-	-	-	7830 (17)	-	-	-	-	-	-	-	-
1665	RSI 05W90818	-	-	-	7250 (24)	-	-	-	-	-	-	-	-
1666	RSI 03W10068	-	-	-	8010 (11)	-	-	-	-	-	-	-	-
1667	NEW DIRKWIN	-	-	-	-	-	-	4930 (30)	-	-	-	-	-
1673	WWW CNBR9302	5260 (31)	-	-	6850 (30)	-	-	6140 (26)	-	-	3680 (22)	-	-
TRITICALE													
3097	TRICAL BRAND 105	6580 (3)	6390 (2)	6820 (2)	7300 (5)	6380 (2)	6020 (3)	7870 (2)	7340 (2)	7280 (2)	3700 (3)	3140 (2)	2950 (2)
3156	TRICAL BRAND 118	7480 (2)	7310 (1)	7680 (1)	8330 (1)	6920 (1)	6460 (1)	7030 (4)	6450 (3)	6280 (3)	3910 (1)	3330 (1)	3190 (1)
3164	PACHECO	3720 (5)	5230 (3)	6230 (3)	7600 (4)	6190 (3)	6330 (2)	7940 (1)	7550 (1)	7730 (1)	3360 (4)	2880 (3)	2810 (3)
3165	RSI 05T14065	7780 (1)	-	-	8100 (2)	-	-	-	-	-	-	-	-
3166	RSI 05T14058	6430 (4)	-	-	7680 (3)	-	-	7250 (3)	-	-	3880 (2)	-	-
MEAN		6344.6	5842.6	6108.5	7361.6	6173.9	6215.5	6651.4	6625.7	6723.7	3623.2	3022.9	2939.5
CV		8.9	10.1	9.7	6.3	8.7	10.4	7.3	8.6	8	17.1	17.6	17.4
LSD (.05)		450	330	270	370	300	320	680	560	430	430	320	280

Numbers in parentheses indicate relative rank.

* 2010 data from Elite Trial

Table 20. 2010 UC INTERMOUNTAIN SPRING WHEAT TEST
(2010 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Variety	Class	Origin / Developer
1	OR4990114	HRS	OSU
2	OR4031177	HRS	OSU
3	Bullseye	HRS	AgriPro
4	Cabernet	HRS	Resource Seeds
5	Malbec		
6	Jefferson	HRS	UI
7	Winchester	HRS	UI
8	IDO665		UI
9	BZ901-717	HRS	WestBred
10	Hank	HRS	WestBred
11	Kelse	HRS	WSU
12	Lassik	HRS	CA
13	Kern		CA
14	Patwin	HWS	CA
15	OR4051328	HWS	OSU
16	OR4061191		OSU
17	Clear White	HWS	CA
18	Nick	SWS	WestBred
19	OR4041268		OSU
20	Alturas	SWS	UI
21	Cataldo	SWS	UI
22	IDO671	SWS	UI
23	IDO644	SWS	UI
24	IDO668		UI
25	IDO669		UI
26	Alpowa	SWS	WSU
27	JD		
28	Diva		
29	Whit	SWS	WSU
30	Babe		
31	Petit	SWS	UI
32	Espresso	HRS	WestBred
33	Triple IV	HRS	WestBred
34	Yecora Rojo	HRS	CA
35	SJ908-186	HRS	WestBred
36	WB-ROCKLAND	HRS	WestBred

CA = University of California; UI = University of Idaho;
OSU = Oregon State University; WSU = Washington State University

3 locations: UC IREC (Tulelake), Siskiyou (Scott Valley), Lassen (Susanville)

Table 21. 2010 LASSEN SPRING WHEAT
(2010 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Lodging Harvest
				Kernel Wt (g)	Plant Ht (in)	
1	OR4990114	5630 (17)	59.8	38.6	37	1.0
2	OR4031177	4970 (32)	62.8	34.7	42	1.0
3	Bullseye	5600 (18)	61.9	35.0	36	1.0
4	Cabernet	5640 (16)	61.6	36.4	31	1.0
5	Malbec	6340 (2)	61.5	37.7	34	1.0
6	Jefferson	5330 (27)	59.8	33.4	40	1.0
7	Winchester	5530 (21)	61.2	40.6	36	1.0
8	IDO665	5910 (11)	59.2	43.5	38	1.0
9	BZ901-717	5320 (28)	61.2	37.6	41	1.0
10	Hank	5800 (13)	58.1	42.6	38	1.0
11	Kelse	4960 (33)	61.3	42.8	40	1.0
12	Lassik	5040 (30)	60.3	29.7	31	1.0
13	Kern	5390 (24)	60.7	39.1	27	1.0
14	Patwin	5400 (23)	59.9	35.4	29	1.0
15	OR4051328	5480 (22)	60.3	38.1	35	1.0
16	OR4061191	4720 (34)	60.0	36.7	36	1.0
17	Clear White	5370 (25)	61.3	37.5	35	1.0
18	Nick	5950 (10)	59.4	35.3	39	1.0
19	OR4041268	5360 (26)	58.7	30.2	36	1.0
20	Alturas	5800 (12)	59.5	36.8	40	1.0
21	Cataldo	6160 (5)	59.8	36.6	39	1.0
22	IDO671	5770 (14)	60.2	37.2	40	1.0
23	IDO644	6040 (7)	58.4	37.8	37	1.0
24	IDO668	6000 (8)	59.1	37.6	41	1.0
25	IDO669	5970 (9)	59.9	36.9	40	1.0
26	Alpowa	5710 (15)	61.1	38.1	39	1.0
27	JD	5550 (20)	61.1	36.4	45	1.0
28	Diva	5020 (31)	58.9	40.0	43	1.7
29	Whit	6160 (6)	60.0	36.7	41	1.0
30	Babe	6190 (4)	61.0	39.8	39	1.0
31	Petit	6640 (1)	59.6	34.8	34	1.0
32	Espresso	5250 (29)	61.6	37.2	34	1.0
33	Triple IV	6300 (3)	60.3	39.2	40	1.0
34	Yecora Rojo	5600 (19)	61.3	47.5	30	1.0
MEAN		5640	60.3	37.5	37	1.0
CV		6.2	1.4	6.1	4.2	19.4
LSD (.05)		570	1.7	4.6	3	ns

Numbers in parentheses indicate relative rank in column.

Table 22. 2010 TULELAKE SPRING WHEAT
(2010 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	
				Kernel Wt (g)	Plant Ht (in)
1	OR4990114	4350 (27)	60.6	40.7	30
2	OR4031177	4340 (28)	63.0	35.5	36
3	Bullseye	4790 (20)	63.1	39.9	31
4	Cabernet	4520 (25)	60.9	35.6	28
5	Malbec	5250 (9)	62.3	41.9	29
6	Jefferson	4730 (21)	61.7	43.5	34
7	Winchester	4530 (24)	60.9	40.0	33
8	IDO665	4440 (26)	60.7	45.8	31
9	BZ901-717	4190 (30)	61.4	40.3	34
10	Hank	4640 (22)	60.3	45.2	30
11	Kelse	4200 (29)	60.4	42.3	35
12	Lassik	4860 (16)	61.4	33.4	28
13	Kern	3550 (36)	59.3	36.5	24
14	Patwin	4970 (14)	61.1	40.5	26
15	OR4051328	4800 (18)	60.1	37.5	30
16	OR4061191	4940 (15)	61.7	42.2	32
17	Clear White	3830 (33)	60.9	36.5	31
18	Nick	5360 (7)	60.8	40.0	33
19	OR4041268	4840 (17)	59.5	34.1	32
20	Alturas	5870 (1)	60.5	40.9	33
21	Cataldo	4790 (19)	60.3	40.1	34
22	IDO671	5320 (8)	60.5	38.9	32
23	IDO644	5030 (13)	58.6	38.4	32
24	IDO668	5650 (4)	60.9	41.4	34
25	IDO669	5760 (2)	61.4	41.5	38
26	Alpowa	5240 (10)	62.1	44.2	34
27	JD	5180 (11)	62.1	40.0	38
28	Diva	5160 (12)	60.5	49.2	35
29	Whit	5560 (5)	60.9	44.4	34
30	Babe	5760 (3)	61.2	43.7	34
31	Petit	5530 (6)	60.9	39.0	29
32	Espresso	4000 (32)	60.6	37.1	30
33	Triple IV	4590 (23)	60.7	37.8	33
34	Yecora Rojo	4150 (31)	60.2	42.1	27
35	SJ908-186	3700 (35)	60.7	42.2	29
36	WB-ROCKLAND	3790 (34)	61.1	37.9	26
MEAN		4780	60.9	40.3	32
CV		9.2	0.7	5	4.6
LSD (.05)		720	0.9	4.1	2

Numbers in parentheses indicate relative rank in column.

Table 23. 2010 SISKIYOU SPRING WHEAT
(2010 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Lodging Harvest
				Kernel Wt (g)	Plant Ht (in)	
1	OR4990114	5490 (26)	59.5	35.9	34	1.0
2	OR4031177	5730 (23)	61.7	34.4	38	1.0
3	Bullseye	6410 (13)	63.6	37.0	34	1.0
4	Cabernet	5990 (20)	62.0	35.8	31	1.0
5	Malbec	6430 (11)	61.2	39.7	34	1.0
6	Jefferson	5570 (25)	61.4	32.0	38	1.0
7	Winchester	6020 (18)	60.2	36.9	39	1.5
8	IDO665	6380 (14)	59.9	40.5	38	1.0
9	BZ901-717	6180 (17)	61.1	38.2	41	1.5
10	Hank	6520 (10)	59.4	46.8	36	1.0
11	Kelse	5970 (21)	61.8	39.9	35	1.0
12	Lassik	5090 (30)	61.0	28.7	32	1.0
13	Kern	4680 (34)	58.3	35.0	33	1.0
14	Patwin	5440 (28)	59.3	37.5	31	1.0
15	OR4051328	5330 (29)	58.7	34.0	33	1.0
16	OR4061191	5660 (24)	60.2	36.4	34	1.0
17	Clear White	4680 (33)	59.3	33.9	35	1.0
18	Nick	6720 (4)	60.7	37.8	40	2.0
19	OR4041268	6200 (16)	59.0	28.7	36	1.0
20	Alturas	6420 (12)	60.9	35.0	39	2.5
21	Cataldo	6580 (6)	60.6	37.4	38	1.0
22	IDO671	6540 (9)	61.7	36.5	39	1.0
23	IDO644	7170 (1)	60.2	37.6	37	1.0
24	IDO668	6690 (5)	61.2	37.8	34	1.5
25	IDO669	6240 (15)	60.7	36.4	39	2.5
26	Alpowa	6570 (8)	61.3	36.9	39	3.0
27	JD	5060 (31)	61.1	35.0	40	3.5
28	Diva	5050 (32)	60.8	42.1	39	3.0
29	Whit	6570 (7)	60.7	39.2	39	1.0
30	Babe	7160 (2)	61.2	36.5	41	2.5
31	Petit	6820 (3)	61.1	32.9	36	1.0
32	Espresso	5840 (22)	61.0	35.1	35	1.0
33	Triple IV	5990 (19)	60.1	37.2	37	1.5
34	Yecora Rojo	5460 (27)	60.5	40.5	29	1
	MEAN	6020	60.6	36.4	36	1.4
	CV	6.5	1.7	6.6	7.7	65.2
	LSD (.05)	640	2	4.9	6	ns

Numbers in parentheses indicate relative rank in column.

Table 24. 2010 INTERMOUNTAIN SPRING WHEAT YIELD SUMMARY (LBS/ACI)
 (2010 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Mean (3 Loc)	Lassen	Tulelake
1	OR4990114	5160 (25)	5630 (17)	4350 (27)
2	OR4031177	5010 (31)	4970 (32)	4340 (28)
3	Bullseye	5600 (15)	5600 (18)	4790 (20)
4	Cabernet	5380 (18)	5640 (16)	4520 (25)
5	Malbec	6000 (8)	6340 (2)	5250 (9)
6	Jefferson	5210 (23)	5330 (27)	4730 (21)
7	Winchester	5360 (19)	5530 (21)	4530 (24)
8	IDO665	5580 (16)	5910 (11)	4440 (26)
9	BZ901-717	5230 (22)	5320 (28)	4190 (30)
10	Hank	5650 (13)	5800 (13)	4640 (22)
11	Kelse	5040 (29)	4960 (33)	4200 (29)
12	Lassik	4990 (32)	5040 (30)	4860 (16)
13	Kern	4540 (34)	5390 (24)	3550 (34)
14	Patwin	5270 (20)	5400 (23)	4970 (14)
15	OR4051328	5200 (24)	5480 (22)	4800 (18)
16	OR4061191	5100 (26)	4720 (34)	4940 (15)
17	Clear White	4630 (33)	5370 (25)	3830 (33)
18	Nick	6010 (7)	5950 (10)	5360 (7)
19	OR4041268	5470 (17)	5360 (26)	4840 (17)
20	Alturas	6030 (6)	5800 (12)	5870 (1)
21	Cataldo	5850 (11)	6160 (5)	4790 (19)
22	IDO671	5880 (10)	5770 (14)	5320 (8)
23	IDO644	6080 (5)	6040 (7)	5030 (13)
24	IDO668	6110 (3)	6000 (8)	5650 (4)
25	IDO669	5990 (9)	5970 (9)	5760 (2)
26	Alpowa	5840 (12)	5710 (15)	5240 (10)
27	JD	5270 (21)	5550 (20)	5180 (11)
28	Diva	5080 (27)	5020 (31)	5160 (12)
29	Whit	6100 (4)	6160 (6)	5560 (5)
30	Babe	6370 (1)	6190 (4)	5760 (3)
31	Petit	6330 (2)	6640 (1)	5530 (6)
32	Expresso	5030 (30)	5250 (29)	4000 (32)
33	Triple IV	5630 (14)	6300 (3)	4590 (23)
34	Yecora Rojo	5070 (28)	5600 (19)	4150 (31)
	MEAN	5500	5640	4780
	CV	7.2	6.2	9.2
	LSD (.05)	370	570	720

Numbers in parentheses indicate relative rank in column.

Table 25. 2010 WINTER WHEAT TEST
(10 OWEYT)

Entry	Name	ORIGIN
1	Stephens	FSD
2	Madsen	FSD
3	Gene	FSD
4	Tubbs-06	FSD
5	ORSS-1757	FSD
6	Goetze	FSD
7	Skiles	FSD
8	Goetze/Skiles	FSD
9	Brundage 96	U of I
10	Bitterroot	U of I
11	Bruneau	U of I
12	Xerpha	FSD
13	Westbred 528	WB
14	Westbred 523	WB
15	BZ6W02-616	WB
16	Salute	AP
17	Legion	AP
18	AP Legacy	AP
19	AP Badger	AP
20	ORCF-101	FSD
21	ORCF-101R	FSD
22	ORCF-102	FSD
23	ORCF-103	FSD
24	UICF-Brundage	U of I
25	ID00-475-2DH	U of I
26	AP700CL	AP
27	Coda	FSD
28	Cara	FSD
29	OR2050910	DS_P
30	OR2040726	DS_P
31	OR2060395	DS_P
32	OR2070011	SWADV1
33	OR2070385	SWADV2
34	OR2070608	SWADV2
35	OR2070870	SWADV3
36	OR2071029	SWADV3
37	OR2071071	SWADV4
38	OR2071628	SWADV4
39	OR2071681	SWADV4
40	OR2070453	SWADV2

Table 26. 2010 SISKIYOU WINTER WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	
				Kernel Wt (g)	Plant Ht (in)
1	Stephens	5370 (25)	56.1	42.8	35
2	Madsen	4970 (32)	58.3	37.0	34
3	Gene	4520 (37)	54.1	35.9	29
4	Tubbs-06	5380 (23)	57.0	42.4	36
5	ORSS-1757	6140 (5)	57.1	38.2	34
6	Goetze	6070 (8)	55.1	34.4	31
7	Skiles	5650 (19)	58.9	44.0	30
8	Goetze/Skiles	4210 (40)	56.4	38.2	30
9	Brundage 96	5620 (21)	56.8	34.4	33
10	Bitterroot	5200 (29)	58.6	33.9	35
11	Bruneau	7070 (1)	59.2	37.0	36
12	Xerpha	5810 (14)	57.4	37.7	35
13	Westbred 528	5630 (20)	58.0	36.6	34
14	Westbred 523	5190 (30)	56.7	35.1	34
15	BZ6W02-616	6110 (7)	57.7	36.5	34
16	Salute	6010 (9)	57.1	43.8	37
17	Legion	4740 (34)	54.9	40.5	36
18	AP Legacy	6650 (2)	57.4	41.5	37
19	AP Badger	5880 (13)	55.6	38.7	29
20	ORCF-101	4370 (38)	56.3	39.2	32
21	ORCF-101R	4310 (39)	56.9	36.2	31
22	ORCF-102	4640 (36)	56.9	40.0	34
23	ORCF-103	4710 (35)	57.4	37.2	34
24	UICF-Brundage	4780 (33)	54.4	31.8	33
25	ID00-475-2DH	5290 (26)	59.7	36.5	35
26	AP700CL	5710 (17)	57.6	40.9	34
27	Coda	5730 (16)	59.9	35.6	41
28	Cara	5680 (18)	56.2	32.7	37
29	OR2050910	5240 (27)	55.5	41.6	33
30	OR2040726	5880 (12)	56.8	35.6	32
31	OR2060395	5540 (22)	55.5	37.3	32
32	OR2070011	5100 (31)	56.7	32.8	35
33	OR2070385	5370 (24)	55.4	31.1	34
34	OR2070608	6130 (6)	56.5	39.3	32
35	OR2070870	6420 (3)	58.3	43.3	31
36	OR2071029	5800 (15)	54.6	34.9	30
37	OR2071071	6330 (4)	55.6	37.1	32
38	OR2071628	5230 (28)	54.1	29.7	31
39	OR2071681	5910 (11)	55.1	40.9	31
40	OR2070453	5970 (10)	57.7	39.6	33
	MEAN	5510	56.8	37.5	33
	CV	12.2	1.7	5.2	3.6
	LSD (.05)	1090	2	3.9	2

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
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.

Table 27. 2010 TULELAKE WINTER WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Lodging Harvest
				Kernel Wt (g)	Plant Ht (in)	
1	Stephens	7860 (11)	58.9	50.1	36	1.0
2	Madsen	7120 (29)	59.8	39.2	35	1.0
3	Gene	5720 (39)	59.0	42.2	30	1.0
4	Tubbs-06	8110 (6)	59.2	47.8	37	1.0
5	ORSS-1757	7200 (28)	58.9	40.4	36	1.0
6	Goetze	7000 (30)	58.8	43.3	31	1.0
7	Skiles	6980 (31)	60.9	45.1	34	1.0
8	Goetze/Skiles	6900 (33)	60.7	45.1	33	1.0
9	Brundage 96	7350 (26)	58.9	41.8	33	1.0
10	Bitterroot	7920 (8)	59.7	37.4	40	1.0
11	Bruneau	8300 (3)	59.1	37.6	37	1.7
12	Xerpha	8530 (1)	60.4	44.7	38	1.0
13	Westbred 528	6820 (35)	59.7	43.8	33	1.0
14	Westbred 523	7400 (25)	60.8	41.2	33	1.0
15	BZ6W02-616	7510 (19)	60.6	42.7	36	1.0
16	Salute	8210 (4)	59.8	50.3	40	1.0
17	Legion	7470 (20)	58.1	46.0	38	1.3
18	AP Legacy	7920 (9)	60.5	46.2	37	1.0
19	AP Badger	7430 (22)	58.4	44.3	31	1.0
20	ORCF-101	6850 (34)	59.5	42.6	34	1.0
21	ORCF-101R	7540 (18)	60.1	41.7	34	1.0
22	ORCF-102	7400 (24)	59.3	45.0	36	1.0
23	ORCF-103	7540 (17)	59.3	45.0	37	3.0
24	UICF-Brundage	7870 (10)	59.9	39.5	32	1.0
25	ID00-475-2DH	7940 (7)	62.1	42.4	36	1.3
26	AP700CL	8110 (5)	60.5	47.4	41	1.0
27	Coda	6560 (37)	60.6	34.3	38	1.7
28	Cara	5340 (40)	56.7	34.5	33	1.0
29	OR2050910	7420 (23)	58.0	47.9	33	1.3
30	OR2040726	7450 (21)	60.2	42.8	32	1.0
31	OR2060395	6230 (38)	58.0	42.1	32	1.0
32	OR2070011	7730 (15)	60.0	37.8	36	1.3
33	OR2070385	8400 (2)	59.4	38.1	34	1.0
34	OR2070608	7790 (12)	58.9	41.5	34	1.0
35	OR2070870	6950 (32)	59.1	45.6	34	1.0
36	OR2071029	7780 (13)	58.1	43.3	32	1.0
37	OR2071071	6760 (36)	57.8	43.2	30	1.0
38	OR2071628	7310 (27)	58.3	37.5	33	1.0
39	OR2071681	7770 (14)	58.4	45.9	34	1.0
40	OR2070453	7650 (16)	59.8	45.6	33	1.0
	MEAN	7400	59.4	42.8	35	1.1
	CV	11.9	0.8	4.2	4.7	37.1
	LSD (.05)	1430	0.9	3.6	3	0.7

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
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.

Table 28. 2010 INTERMOUNTAIN WINTER WHEAT YIELD SUMMARY
(2010 Oregon Winter Elite Yield Trial - OWEYT)

Entry	Name	Mean		
		(2 Loc)	Tulelake	Siskiyou
1	Stephens	6620 (17)	7860 (11)	5370 (25)
2	Madsen	6050 (33)	7120 (29)	4970 (32)
3	Gene	5120 (40)	5720 (39)	4520 (37)
4	Tubbs-06	6750 (12)	8110 (6)	5380 (23)
5	ORSS-1757	6670 (14)	7200 (28)	6140 (5)
6	Goetze	6530 (21)	7000 (30)	6070 (8)
7	Skiles	6310 (26)	6980 (31)	5650 (19)
8	Goetze/Skiles	5550 (38)	6900 (33)	4210 (40)
9	Brundage 96	6480 (22)	7350 (26)	5620 (21)
10	Bitterroot	6560 (19)	7920 (8)	5200 (29)
11	Bruneau	7680 (1)	8300 (3)	7070 (1)
12	Xerpha	7170 (3)	8530 (1)	5810 (14)
13	Westbred 528	6220 (29)	6820 (35)	5630 (20)
14	Westbred 523	6290 (27)	7400 (25)	5190 (30)
15	BZ6W02-616	6810 (10)	7510 (19)	6110 (7)
16	Salute	7110 (4)	8210 (4)	6010 (9)
17	Legion	6110 (32)	7470 (20)	4740 (34)
18	AP Legacy	7280 (2)	7920 (9)	6650 (2)
19	AP Badger	6650 (16)	7430 (22)	5880 (13)
20	ORCF-101	5610 (37)	6850 (34)	4370 (38)
21	ORCF-101R	5920 (35)	7540 (18)	4310 (39)
22	ORCF-102	6020 (34)	7400 (24)	4640 (36)
23	ORCF-103	6130 (31)	7540 (17)	4710 (35)
24	UICF-Brundage	6320 (25)	7870 (10)	4780 (33)
25	ID00-475-2DH	6620 (18)	7940 (7)	5290 (26)
26	AP700CL	6910 (6)	8110 (5)	5710 (17)
27	Coda	6140 (30)	6560 (37)	5730 (16)
28	Cara	5510 (39)	5340 (40)	5680 (18)
29	OR2050910	6330 (24)	7420 (23)	5240 (27)
30	OR2040726	6670 (15)	7450 (21)	5880 (12)
31	OR2060395	5890 (36)	6230 (38)	5540 (22)
32	OR2070011	6420 (23)	7730 (15)	5100 (31)
33	OR2070385	6890 (7)	8400 (2)	5370 (24)
34	OR2070608	6960 (5)	7790 (12)	6130 (6)
35	OR2070870	6680 (13)	6950 (32)	6420 (3)
36	OR2071029	6790 (11)	7780 (13)	5800 (15)
37	OR2071071	6550 (20)	6760 (36)	6330 (4)
38	OR2071628	6270 (28)	7310 (27)	5230 (28)
39	OR2071681	6840 (8)	7770 (14)	5910 (11)
40	OR2070453	6810 (9)	7650 (16)	5970 (10)
	MEAN	6460	7400	5510
	CV	12.1	11.9	12.2
	LSD (.05)	890	1430	1090

Numbers in parentheses indicate relative rank in column.

Table 29. 2010 UC REGIONAL DURUM WHEAT ENTRY LIST

Entry	Name	Parentage	Source
<u>CULTIVARS</u>			
878	DURAKING	MSFRS QUALITY DESERT DURUM POPULATION	WWW
951	KRONOS	APB MSFRS POP SEL (D03-21)	APB
1166	CROWN	MSFRS QUALITY DESERT DURUM POPULATION	WWW
1210	PLATINUM	MSFRS QUALITY DESERT DURUM POPULATION	WWW
1211	TOPPER	WWW MSFRS Durum Quality Population	WWW
1375	DESERT KING	Selection of INTER-11	UCD
1215	ORITA	PH888-118-5/WPB 881	WB
1429	FORTISSIMO	VIC/LDS//ALDURA/881	RSI
1430	RSI 59	ALDURA/881//MEX75	RSI
1431	VOLANTE	ALDURA/881//CND	RSI
1479	HAVASU	Kofa//Mohawk//Express/Karl	WB
1484	WESTMORE	B.C. Selection UCD High Protein x APB 257	APB
1582	MAESTRALE		ALLSTAR
1583	SARAGOLLA		ALLSTAR
<u>ADVANCED LINES</u>			
1435	WWW D8270		WWW
1585	UCD 06222/53	Kofa/UC1113//UC1113	UCD
1589	NORMANO		ALLSTAR
1606	WB DA804-24	KOFA/TACNA//PLATINUM	WB
1607	WB YU802-4	KOFA/ORITA//DURAKING	WB
1628	UCD 08201/20	APB D95-434/UC1113	UCD
1629	UCD 08201/21	Mohawk/UC1113	UCD
1633	WB YU805-17	YU895-13/YU899-28//YU899-158	WB
1640	APB D1-2	D94-1 x MSFRS Population Az	APB
1641	APB D2-97	Yield and color x MSFRS Population Az	APB
1644	UCD 09210/17	APB D95-434/UC1171	UCD
1645	UCD 09213/30	SOOTY 9/RASCON 37//CROWN	UCD
1646	UCD 09220/135	TACNA/UC1113-HP	UCD
1652	WB YU803-42		WB
1653	WB YU805-88	RAFI/YU895-99//YU899-79	WB
1654	WB YU806-93	YU896-74/YU897-2//HAVASU	WB
1655	WB YU807-115	ORITA/YU802-94//TACNA	WB
1656	WB SJ807-006	PLATINUM/YU895-130//PLATINUM	WB
1672	APB D2-95		APB
1674	TANGO		WWW
1675	ROYAL I		RUBIN
1676	ROYAL II		RUBIN
1677	RS001		RUBIN
1678	RS002		RUBIN

38 ENTRIES

SOURCE: ALLSTAR = All-Star Seed Co.; APB = Arizona Plant Breeders; RSI = Resource Seeds, Inc.; UC = University of California; WB = Westbred, LLC; WWW = World Wide Wheat; WGC = Whole Grain Connection

Table 30. 2010 DAVIS DURUM WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Black Point	Stripe Rust	BYDV	Days To	
				Kernel Wt (g)	Plant Ht (in)				Head	Mature (from 3/1)
CULTIVARS										
878	DURAKING	6360 (15)	62.5	49.8	36	1.0	1.8	2.3	50	90
951	KRONOS	5430 (24)	61.4	62.6	37	2.5	4.8	2.0	46	86
1166	CROWN	6430 (13)	61.4	59.9	40	1.0	1.0	2.3	53	93
1210	PLATINUM	6410 (14)	63.7	55.3	34	1.0	1.0	1.8	49	90
1211	TOPPER	5870 (21)	63.4	47.9	41	1.5	2.8	1.5	52	92
1375	DESERT KING	7270 (3)	64.2	55.4	39	1.0	1.0	1.0	54	93
1429	FORTISSIMO	7370 (2)	62.9	51.1	36	1.5	1.0	1.0	50	89
1430	RSI 59	7070 (6)	63.4	53.8	38	1.5	2.0	1.3	53	93
1431	VOLANTE	6740 (9)	63.8	62.6	34	1.5	1.0	1.3	50	90
1484	WESTMORE	6570 (11)	62.7	51.3	36	1.0	1.0	2.0	46	85
1582	MAESTRALE	6180 (19)	63.7	56.7	38	1.5	1.3	1.5	49	90
1583	SARAGOLLA	5830 (22)	62.0	55.4	38	2.0	2.3	1.5	51	92
ADVANCED LINES										
1435	WWW D8270	6360 (16)	62.8	54.7	36	1.5	1.0	1.0	50	90
1585	UCD 06222/53	7120 (5)	63.4	55.0	39	1.0	4.3	1.3	52	91
1589	NORMANO	2890 (26)	61.9	50.5	36	1.0	1.0	3.3	60	100
1606	WB DA804-24	7060 (7)	62.7	63.7	35	1.0	1.3	2.8	46	87
1628	UCD 08201/20	6730 (10)	62.3	61.7	46	1.0	2.3	1.8	51	91
1629	UCD 08201/21	7170 (4)	64.3	53.1	39	1.0	1.0	1.5	52	92
1640	APB D1-2	6880 (8)	61.9	67.8	35	1.0	1.5	2.3	47	87
1641	APB D2-97	6340 (17)	62.8	62.2	37	1.0	1.0	3.0	46	86
1644	UCD 09210/17	6090 (20)	61.9	57.2	36	1.0	4.5	1.8	56	85
1645	UCD 09213/30	8100 (1)	60.7	48.7	38	1.0	1.0	1.3	55	95
1646	UCD 09220/135	6500 (12)	63.9	58.3	40	1.0	3.3	1.8	51	90
1656	WB SJ807-006	5540 (23)	60.5	56.2	35	3.0	4.5	2.3	45	85
1672	APB D2-95	6280 (18)	63.0	55.3	39	1.5	1.0	1.8	46	87
1674	TANGO	4140 (25)	60.8	53.7	40	1.5	4.8	1.8	44	85
	MEAN	6340	62.6	56.1	37	1.3	2.0	1.8	50	90
	CV	7.3	0.5	4.0	3.2	37.0	24.1	38.7	3.2	1.9
	LSD (.05)	650	0.6	4.6	2.0	1.0	0.7	1.0	3.0	4.0

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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

Table 31. 2010 FRESNO DURUM

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	Plant Ht (in)	Stripe	Stripe
				Kernel Wt (g)		Rust 4/8/10	Rust 4/28/10
<u>CULTIVARS</u>							
878	DURAKING	7270 (14)	62.7	49.1	37	2.0	2.0
951	KRONOS	7200 (15)	62.5	59.2	40	1.8	2.3
1166	CROWN	7960 (3)	61.6	65.5	43	1.0	1.0
1210	PLATINUM	7130 (18)	63.5	49.8	34	1.0	1.0
1211	TOPPER	6660 (21)	63.2	49.6	42	1.3	1.0
1375	DESERT KING	7460 (9)	64.0	60.0	40	1.0	1.0
1429	FORTISSIMO	8290 (2)	62.9	52.1	38	1.0	1.0
1430	RSI 59	7470 (8)	64.7	55.6	39	1.0	1.0
1431	VOLANTE	7720 (5)	64.4	57.5	36	1.0	1.0
1484	WESTMORE	7410 (10)	62.5	48.4	39	1.0	1.0
<u>ADVANCED LINES</u>							
1435	WWW D8270	6910 (19)	63.1	55.3	38	1.3	1.8
1585	UCD 06222/53	7360 (11)	63.0	56.5	42	1.8	3.5
1606	WB DA804-24	7330 (13)	63.6	59.7	37	1.5	2.8
1628	UCD 08201/20	7870 (4)	62.8	63.4	49	1.3	1.5
1629	UCD 08201/21	7540 (7)	65.1	57.1	39	1.0	1.0
1640	APB D1-2	7170 (16)	61.9	68.4	37	1.0	1.0
1641	APB D2-97	7570 (6)	62.9	58.9	40	1.0	1.5
1644	UCD 09210/17	5920 (22)	60.7	54.9	38	3.5	3.5
1645	UCD 09213/30	9150 (1)	61.7	52.0	41	1.0	1.3
1646	UCD 09220/135	7330 (12)	63.8	57.4	42	1.3	1.8
1656	WB SJ807-006	6750 (20)	61.9	53.9	35	1.5	3.5
1672	APB D2-95	7140 (17)	63.8	53.1	41	1.0	1.0
1674	TANGO	5730 (23)	62.3	54.2	42	1.8	3.0
	MEAN	7320	62.9	56.7	39.0	1.3	1.7
	CV	4.3	0.6	7.7	2.9	28.5	25.4
	LSD (.05)	440	0.9	9.0	2.0	0.5	0.6

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 32. 2010 KINGS DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Stripe Rust 4/8/10	Stripe Rust 5/5/10	BYDV 5/5/10
CULTIVARS								
878	DURAKING	6920 (21)	58.8	39	1.0	2.5	2.8	1.0
951	KRONOS	8390 (14)	61.0	41	1.3	1.8	3.8	1.0
1166	CROWN	7490 (17)	59.2	43	1.0	1.0	1.0	1.0
1210	PLATINUM	8510 (10)	62.3	36	1.0	1.0	1.0	1.0
1211	TOPPER	7170 (19)	61.0	42	1.0	1.0	2.5	1.0
1375	DESERT KING	8390 (13)	62.5	41	1.0	1.0	1.0	1.0
1429	FORTISSIMO	8630 (8)	63.0	39	1.0	1.0	1.0	1.0
1430	RSI 59	8670 (4)	62.6	39	1.0	1.0	1.5	1.0
1431	VOLANTE	8180 (15)	63.8	35	1.0	1.0	1.3	1.0
1484	WESTMORE	9710 (1)	62.5	39	1.0	1.0	1.3	1.3
1582	MAESTRALE	8520 (9)	61.7	45	1.8	1.3	1.5	1.0
1583	SARAGOLLA	5950 (25)	60.4	38	1.0	1.3	3.0	1.3
ADVANCED LINES								
1435	WWW D8270	7830 (16)	62.1	40	1.0	1.0	1.5	1.0
1585	UCD 06222/53	7400 (18)	62.5	43	1.3	1.5	4.0	1.0
1589	NORMANO	6130 (23)	60.6	42	1.0	1.3	3.0	2.0
1606	WB DA804-24	8660 (6)	63.5	36	1.0	1.0	2.5	1.8
1628	UCD 08201/20	6880 (22)	60.9	47	1.8	1.3	2.8	1.5
1629	UCD 08201/21	8670 (5)	63.6	39	1.0	1.0	1.0	1.0
1640	APB D1-2	8630 (7)	61.5	36	1.0	1.0	1.0	2.5
1641	APB D2-97	9370 (2)	63.1	39	1.0	1.0	1.0	1.0
1644	UCD 09210/17	6110 (24)	59.2	36	1.0	2.3	3.3	1.8
1645	UCD 09213/30	8500 (11)	60.1	42	1.0	1.0	1.0	1.0
1646	UCD 09220/135	8690 (3)	62.8	43	1.0	1.0	2.8	1.0
1656	WB SJ807-006	6970 (20)	58.5	36	1.0	2.3	4.3	1.0
1672	APB D2-95	8420 (12)	63.3	42	1.3	1.0	1.0	1.0
1674	TANGO	5700 (26)	59.2	41	1.0	2.5	4.3	1.0
	MEAN	7870	61.5	40.0	1.1	1.3	2.1	1.2
	CV	6.4	1.1	2.7	34.9	36.2	20.1	28.6
	LSD (.05)	710	1.4	2.0	ns	0.7	0.6	0.5

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 33. 2010 KERN DURUM WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Black Point	Plant Ht (in)	Stripe Rust 4/9/10
CULTIVARS							
878	DURAKING	7240 (18)	61.1	48.4	1.5	42	2.8
951	KRONOS	6280 (25)	60.5	55.9	1.5	41	1.5
1166	CROWN	7840 (13)	58.9	49.3	1.0	44	1.0
1210	PLATINUM	8410 (7)	62.1	49.3	1.0	39	1.0
1211	TOPPER	7450 (16)	61.4	43.7	1.5	44	1.3
1375	DESERT KING	8590 (4)	62.7	53.6	1.0	41	1.0
1429	FORTISSIMO	7070 (19)	61.8	49.3	1.5	40	1.0
1430	RSI 59	8880 (2)	62.7	52.3	1.5	41	1.0
1431	VOLANTE	7920 (12)	63.0	59.1	1.0	37	1.0
1484	WESTMORE	9050 (1)	62.3	43.9	1.5	42	1.0
1582	MAESTRALE	7820 (14)	62.9	50.5	1.0	45	1.3
1583	SARAGOLLA	7680 (15)	62.1	54.8	1.0	41	1.3
ADVANCED LINES							
1435	WWW D8270	6330 (24)	61.7	51.5	1.0	42	1.3
1585	UCD 06222/53	7420 (17)	62.6	53.6	2.0	42	1.5
1589	NORMANO	6560 (22)	60.1	48.8	1.0	40	2.3
1606	WB DA804-24	8740 (3)	62.7	59.3	1.0	39	1.0
1628	UCD 08201/20	6120 (26)	61.6	57.1	1.0	47	1.5
1629	UCD 08201/21	8380 (8)	63.7	50.7	1.5	42	1.0
1640	APB D1-2	8280 (9)	61.5	64.3	1.0	38	1.0
1641	APB D2-97	8220 (10)	62.1	59.2	1.0	42	1.0
1644	UCD 09210/17	6960 (20)	60.7	50.0	1.0	38	2.5
1645	UCD 09213/30	8020 (11)	58.2	43.4	1.0	43	1.0
1646	UCD 09220/135	8480 (6)	62.9	53.6	1.0	44	1.0
1656	WB SJ807-006	8580 (5)	60.8	50.9	1.5	39	1.3
1672	APB D2-95	6840 (21)	61.9	49.3	1.0	42	1.0
1674	TANGO	6500 (23)	60.8	50.3	1.5	43	3.5
	MEAN	7680	61.6	52.0	1.2	41	1.4
	CV	7.1	0.9	3.9	34.3	2.8	31.1
	LSD (.05)	760	1.1	4.2	ns	2	0.6

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 34. 2010 IMPERIAL DURUM WHEAT

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Plant Ht (in)	Lodging Harvest	Days To	
				Kernel Wt (g)					Head (from 1/1)	Mature
<u>CULTIVARS</u>										
	878 DURAKING	8940 (3)	62.8	50.5	1.0	32	1.3	74	125	
	951 KRONOS	8350 (18)	61.5	64.6	1.0	33	2.0	68	124	
	1166 CROWN	8340 (19)	59.5	51.9	1.0	36	1.0	75	127	
	1210 PLATINUM	8340 (19)	62.3	47.5	1.0	30	1.8	75	126	
	1211 TOPPER	8140 (25)	60.3	39.9	1.0	35	1.0	83	127	
	1215 ORITA	8710 (10)	59.8	49.2	1.0	33	1.0	76	128	
	1375 DESERT KING	8390 (16)	58.3	48.0	1.0	35	1.0	82	128	
	1429 FORTISSIMO	8390 (16)	60.5	43.5	1.0	33	1.0	75	127	
	1430 RSI 59	8980 (1)	62.0	45.8	1.3	33	1.0	77	128	
	1431 VOLANTE	8140 (25)	62.8	50.6	1.0	30	1.8	75	126	
	1479 HAVASU	8170 (24)	63.3	56.1	1.3	35	2.0	70	124	
	1484 WESTMORE	8840 (5)	62.3	50.6	1.8	33	2.5	70	123	
	1582 MAESTRALE	8010 (30)	63.0	55.3	2.3	35	1.8	73	125	
	1583 SARAGOLLA	8790 (8)	63.0	49.6	1.3	35	1.5	74	127	
<u>ADVANCED LINES</u>										
	1435 WWW D8270	7970 (32)	61.8	50.6	1.5	32	1.5	74	126	
	1585 UCD 06222/53	8890 (4)	62.5	53.8	1.0	35	2.3	76	127	
	1589 NORMANO	7430 (35)	59.0	38.0	1.0	35	1.3	83	128	
	1607 WB YU802-4	8140 (25)	59.8	39.6	1.0	35	1.5	77	127	
	1628 UCD 08201/20	8340 (19)	61.8	55.0	1.0	39	2.3	76	124	
	1629 UCD 08201/21	8970 (2)	62.0	45.4	1.0	35	2.0	80	127	
	1633 WB YU805-17	8660 (11)	62.3	59.7	1.0	33	1.0	72	124	
	1640 APB D1-2	8570 (12)	60.8	61.5	1.0	31	1.3	74	126	
	1641 APB D2-97	8830 (7)	62.5	58.8	1.5	34	1.8	69	124	
	1644 UCD 09210/17	8420 (14)	60.8	52.6	1.0	32	1.0	77	128	
	1645 UCD 09213/30	8310 (22)	56.3	39.1	1.0	34	2.3	76	126	
	1646 UCD 09220/135	8740 (9)	62.3	52.3	1.3	36	1.8	76	126	
	1652 WB YU803-42	8400 (15)	63.5	64.1	1.3	33	1.3	67	125	
	1653 WB YU805-88	8480 (13)	62.0	58.0	1.0	34	1.3	70	125	
	1654 WB YU806-93	8250 (23)	61.5	54.8	1.0	33	1.0	71	125	
	1655 WB YU807-115	8130 (28)	62.0	57.2	1.0	30	1.0	68	123	
	1672 APB D2-95	8010 (30)	62.3	52.4	1.0	33	1.5	71	123	
	1674 TANGO	7470 (34)	62.8	56.6	1.5	36	1.0	71	126	
	1676 ROYAL II	7650 (33)	61.5	54.7	1.3	35	1.0	71	126	
	1677 RS001	8090 (29)	60.3	45.5	1.0	35	1.8	76	126	
	1678 RS002	8840 (5)	61.5	52.4	1.3	35	2.3	76	127	
	MEAN	8380	61.4	51.6	1.2	34	1.5	74	126	
	CV	4.2	1.2	ns	31.1	3.3	31.1	1.1	0.7	
	LSD (.05)	490	1.1	ns	0.5	2	0.7	1	1	

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry: 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

Table 35. 2010 DURUM WHEAT GRAIN PROTEIN SUMMARY (%)

Entry	Name	Imperial Valley (1 loc)	Central Valley				
			Mean (4 loc)	UC Davis	Kings	Fresno	Kern
<u>CULTIVARS</u>							
878	DURAKING	12.96 (31)	12.39 (12)	11.26	13.33	11.97	12.99
951	KRONOS	13.61 (22)	12.15 (20)	11.44	12.11	12.18	12.85
1166	CROWN	13.65 (21)	12.46 (11)	9.74	13.21	13.70	13.20
1210	PLATINUM	13.33 (28)	11.21 (25)	9.50	11.93	11.14	12.27
1211	TOPPER	12.74 (34)	11.78 (23)	10.00	11.98	12.32	12.83
1215	ORITA	14.80 (2)	-	-	-	-	-
1375	DESERT KING	13.47 (26)	12.67 (4)	12.12	12.81	13.02	12.72
1429	FORTISSIMO	14.03 (12)	12.60 (6)	10.69	13.13	12.93	13.64
1430	RSI 59	13.45 (27)	11.65 (24)	8.87	12.19	12.74	12.80
1431	VOLANTE	13.82 (16)	11.99 (22)	10.14	12.32	12.20	13.29
1479	HAVASU	13.72 (20)	-	-	-	-	-
1484	WESTMORE	14.67 (4)	12.34 (14)	11.05	12.94	12.88	12.50
1582	MAESTRALE	15.05 (1)	12.29 (15)	9.64	13.11	-	14.11
1583	SARAGOLLA	12.84 (32)	12.28 (16)	10.98	12.76	-	13.10
<u>ADVANCED LINES</u>							
1435	WWW D8270	13.60 (23)	12.56 (8)	11.40	12.82	12.98	13.05
1585	UCD 06222/53	13.13 (30)	12.16 (19)	10.73	12.89	12.73	12.30
1589	NORMANO	13.94 (13)	12.59 (7)	11.46	13.64	-	12.66
1606	WB DA804-24	-	12.99 (3)	13.71	12.89	12.66	12.69
1607	WB YU802-4	13.73 (19)	-	-	-	-	-
1628	UCD 08201/20	13.90 (15)	12.35 (13)	10.74	12.83	12.70	13.13
1629	UCD 08201/21	14.52 (9)	12.56 (9)	10.67	13.82	12.86	12.87
1633	WB YU805-17	14.59 (7)	-	-	-	-	-
1640	APB D1-2	13.82 (16)	13.04 (2)	12.14	13.01	12.98	14.04
1641	APB D2-97	13.52 (25)	11.99 (21)	11.15	11.70	12.11	13.01
1644	UCD 09210/17	13.60 (23)	13.12 (1)	12.92	13.18	13.04	13.32
1645	UCD 09213/30	12.66 (35)	10.95 (26)	8.37	12.56	11.47	11.39
1646	UCD 09220/135	14.62 (5)	12.21 (17)	10.47	12.62	13.06	12.69
1652	WB YU803-42	14.76 (3)	-	-	-	-	-
1653	WB YU805-88	14.61 (6)	-	-	-	-	-
1654	WB YU806-93	14.25 (11)	-	-	-	-	-
1655	WB YU807-115	14.54 (8)	-	-	-	-	-
1656	WB SJ807-006	-	12.20 (18)	12.24	12.32	11.68	12.57
1672	APB D2-95	13.75 (18)	12.53 (10)	10.87	12.65	12.71	13.90
1674	TANGO	13.29 (29)	12.61 (5)	11.04	12.85	13.15	13.40
1676	ROYAL II	14.27 (10)	-	-	-	-	-
1677	RS001	13.94 (13)	-	-	-	-	-
1678	RS002	12.81 (33)	-	-	-	-	-

Grain Protein % expressed at 12% moisture

Numbers in parentheses indicate relative rank in column.

Table 36. 2010 KINGS DURUM WHEAT TEST, QUALITY EVALUATION

Entry	Name	Grain										Milling										Pasta					
		Pro	Ash	Test Wt	1000 Kwt	HVAC	Black Point	Kernel Size Dist. (200 g)			Tot Ext	Semolina			Spk	Alveo-W	Alveo-P/L	Wet Glut	Dry Glut	Fall No.	Color "b"	Color L	Color b	Color Score	Cook Wt	Cook Loss	Firm
								7W	10W	12W		Semo Ext	Pro	Ash													
CULTIVARS																											
878	DURAKING	13.33	1.61	59.3	44.4	100	1	168.1	30.8	0.9	72.0	60.6	12.23	0.73	5	133.4	1.26	32.7	11.1	586	23.16	52.23	34.73	6.0	30.70	7.9	7.2
951	KRONOS	12.11	1.54	61.4	52.6	100	2	192.3	7.4	0.3	74.9	62.7	11.14	0.62	5	185.1	1.88	32.7	13.6	916	26.65	55.32	42.09	9.0	32.26	7.6	6.8
1166	CROWN	13.21	1.38	59.3	52.9	100	--	185.9	14.1	0.1	76.4	63.7	12.21	0.59	1	165.5	1.08	37	13	617	25.34	55.68	40.90	8.5	30.58	7.3	7.1
1210	PLATINUM	11.93	1.52	62.7	46.9	100	1	185.7	16.5	0.2	72.6	64.1	11.05	0.58	3	206.0	1.07	30.5	10.5	515	28.29	55.90	44.00	10.0	32.10	7.1	7.0
1211	TOPPER	11.98	1.54	61.3	40.2	100	2	167.8	31.5	0.7	70.3	61.0	10.87	0.60	7	117.1	1.97	28.4	9.5	533	23.36	54.27	37.87	7.5	33.53	8.8	6.0
1375	DESERT KING	12.81	1.41	62.7	51.0	100	--	189.9	10.0	0.1	73.4	64.6	11.84	0.68	2	189.0	1.62	30	10.8	565	24.53	55.12	40.20	8.5	33.51	8.1	6.7
1429	FORTISSIMO	13.13	1.44	62.8	51.5	100	1	189.5	10.7	0.2	73.2	63.2	12.12	0.59	1	166.8	1.79	34.2	11.6	528	25.54	58.13	43.94	10.0	32.82	7.2	7.1
1430	RSI 59	12.19	1.39	63.2	50.0	100	2	194.1	6.0	0.2	74.8	63.2	11.13	0.72	2	181.2	1.81	34.5	12.2	657	26.11	56.90	40.75	9.0	31.33	6.8	7.2
1431	VOLANTE	12.32	1.34	63.8	57.8	100	2	196.3	3.6	0.1	76.3	63.1	11.18	0.59	1	155.7	1.18	30.8	10.7	733	28.71	56.39	43.56	10.0	31.56	7.5	7.0
1484	WESTMORE	12.94	1.21	62.8	43.1	100	1	170.0	30.2	0.2	74.5	62.5	11.89	0.57	1	246.6	2.11	30.6	10.7	607	28.27	55.99	44.24	10.0	30.47	7.3	7.7
1582	MAESTRALE	13.11	1.40	61.6	46.7	100	2	173.0	25.5	1.0	75.3	63.9	12.01	0.77	4	138.6	1.20	31.2	10.4	549	23.09	52.25	36.45	7.5	31.44	7.7	7.3
1583	SARAGOLLA	12.76	1.57	60.7	51.3	99	3	179.7	20.1	0.5	74.7	64.1	11.61	0.77	2	247.2	1.97	26.5	9.3	670	25.00	52.96	38.02	8.0	30.93	7.8	7.4
ADVANCED LINES																											
1435	WWW D8270	12.82	1.49	62.4	50.0	100	3	193.0	7.0	0.1	74.7	63.4	11.99	0.84	1	291.0	1.62	30.9	10.7	607	26.92	55.68	38.80	8.0	30.59	7.3	7.8
1585	UCD 06222/53	12.89	1.25	63.0	51.0	100	1	185.9	13.4	0.6	74.4	63.2	11.61	0.66	1	180.5	1.50	30.2	10.3	616	26.85	55.42	40.52	9.0	30.92	7.4	7.4
1589	NORMANO	13.64	1.52	60.7	49.5	100	--	156.9	41.1	1.4	72.1	63.5	12.53	0.69	1	182.5	1.41	34	11.6	659	26.29	53.79	40.73	8.5	29.53	7.5	7.2
1606	WB DA804-24	12.89	1.40	63.6	56.5	100	--	190.8	9.1	0.2	73.9	63.0	11.75	0.62	1	177.9	1.16	32	11.6	544	27.67	53.41	39.64	8.0	30.95	8.5	6.8
1628	UCD 08201/20	12.83	1.42	60.7	52.4	100	5	188.8	11.0	0.3	74.0	62.7	11.54	0.77	10	256.4	2.69	32.7	11.3	764	27.25	55.58	43.51	10.0	32.29	7.0	7.6
1629	UCD 08201/21	13.82	1.50	63.5	50.3	100	--	192.8	7.2	0.1	76.2	63.0	12.85	0.74	2	168.1	1.54	37.1	12.4	660	25.85	53.63	37.68	7.5	30.57	7.3	6.9
1640	APB D1-2	13.01	1.31	61.9	62.5	100	3	194.0	5.6	0.3	74.5	64.7	11.81	0.64	4	285.1	3.15	31.3	11.2	600	28.87	54.53	41.67	9.0	30.12	7.1	6.6
1641	APB D2-97	11.70	1.44	63.1	55.2	100	1	188.6	10.9	0.2	74.8	63.3	10.68	0.79	1	211.9	3.63	29.2	10.2	565	27.48	54.27	41.05	9.0	29.25	7.6	6.9
1644	UCD 09210/17	13.18	1.53	59.2	47.2	100	4	174.9	23.9	0.9	75.5	63.8	12.00	0.62	2	201.4	2.11	31.2	11	689	26.69	53.25	40.60	8.5	29.72	7.5	7.0
1645	UCD 09213/30	12.56	1.42	59.7	45.9	100	--	162.9	35.9	1.0	75.6	61.2	11.26	0.62	1	194.9	2.02	30.5	11.1	599	27.36	54.27	41.40	9.0	30.17	7.1	6.9
1646	UCD 09220/135	12.62	1.54	63.3	54.3	100	--	191.7	8.0	0.2	73.8	62.8	11.84	0.73	1	153.7	2.39	32.6	11.7	571	27.69	53.70	41.86	9.0	30.46	7.1	6.5
1656	WB SJ807-006	12.32	1.59	58.2	42.9	100	5	172.2	76.5	0.8	73.1	61.2	11.03	0.74	6	238.1	1.80	29.4	10.4	576	30.63	49.89	39.88	8.5	29.97	8.0	6.9
1672	APB D2-95	12.65	1.44	62.4	50.3	100	--	188.4	11.3	0.1	76.1	64.4	11.55	0.73	1	272.7	2.15	27.1	9.4	593	25.67	56.68	43.27	10.0	31.17	7.1	8.0
1674	TANGO	12.85	1.70	59.3	40.8	100	3	167.7	31.9	0.7	74.6	62.0	11.89	0.89	6	94.2	1.21	35.8	12.6	644	25.71	53.44	40.34	9.0	31.09	7.3	8.2

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA

Pro = Protein% (12% moisture basis); Ash = Ash % (mineral content); Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams); HVAC = Hard vitreous amber color (%)

Tot Ext = Total extract (%); Semo Ext = Semolina extract (%); Spk = Specks; Alveo W = Alveograph W; Alveo P/L = Alveograph P/L ratio; Fall No. = Falling number (seconds)

Color "b" = Intensive yellowness of pasta color (the higher the value, the more yellowness); Color Score: 9.0 or greater is good;

Cook Wt = Cooked weight, 10 gram sample; Cook Loss = Cooking loss (%), below 6.0 is good; Firm = Firmness (gcm), 6.0 and above is good

Table 37. 2010 IMPERIAL DURUM WHEAT TEST, QUALITY EVALUATION

Entry	Name	Milling																											
		Grain						Semolina					Pasta																
		Pro	Ash	Test Wt	1000 Kwt	HVAC	Black Point	Kernel Size Dist. (200 g)			Tot Ext	Semo Ext	Pro	Ash	Spk	Alveo-W	Alveo-P/L	Wet Glut	Dry Glut	Fall No.	Color "b"	Color L	Color b	Color Score	Cook Wt	Cook Loss	Firm		
											7W	10W	12W					W	P/L	Glut	Glut	No.	"b"	L	b	Score	Wt	Loss	Firm
CULTIVARS																													
878	DURAKING	12.96	1.57	64.3	54.1	100	--	192.2	7.3	0.1	74.7	61.0	11.91	0.59	1	76.5	0.80	31.8	10.5	556	22.91	56.49	37.02	7.5	31.63	7.1	7.0		
951	KRONOS	13.61	1.68	63.2	60.2	100	--	198.6	1.5	0.1	74.7	60.1	12.29	0.71	2	110.5	1.02	36.5	12.6	635	25.33	56.18	41.79	9.5	30.90	7.1	8.1		
1166	CROWN	13.65	1.68	60.9	53.2	100	--	189.7	10.3	0.1	75.4	59.7	12.47	0.82	3	92.9	0.47	41	13.2	628	24.56	56.16	41.05	9.5	29.66	7.1	9.5		
1210	PLATINUM	13.33	1.73	63.9	47.6	100	--	183.5	16.3	0.1	74.1	61.2	12.33	0.97	2	150.4	0.51	35	12.3	595	28.02	54.03	42.02	9.0	29.58	7.5	8.9		
1211	TOPPER	12.74	1.73	62.6	44.4	100	--	171.0	28.8	0.1	74.8	60.4	11.70	0.69	6	64.1	0.57	33.1	11.3	5.9	23.58	54.59	40.00	8.5	28.43	7.4	8.0		
1215	ORITA	14.80	1.67	61.4	53.8	100	--	190.8	9.2	0.1	73.3	60.9	13.55	0.78	2	130.1	0.88	38.8	13	731	25.99	53.98	41.64	9.0	30.50	7.7	8.7		
1375	DESERT KING	13.47	1.80	61.5	47.6	100	--	183.3	16.7	0.1	74.7	62.4	12.35	0.85	1	145.8	0.80	35.7	12.2	618	26.23	54.61	42.39	9.0	29.56	7.4	8.8		
1429	FORTISSIMO	14.03	1.89	62.9	45.0	100	--	180.0	20.0	--	73.1	60.9	12.96	0.86	4	74.6	0.67	36.6	12.4	555	27.41	53.64	42.68	9.0	30.09	8.2	8.2		
1430	RSI 59	13.45	1.73	63.2	50.0	100	--	191.1	8.8	0.1	75.7	63.2	11.98	0.88	3	88.9	0.68	36.8	12.6	660	26.23	55.74	41.69	9.0	29.75	7.4	8.5		
1431	VOLANTE	13.82	1.75	64.2	54.9	100	--	193.6	6.3	--	75.0	62.4	12.63	0.81	3	86.3	0.69	36.8	12.8	595	30.12	54.26	42.15	9.0	30.69	8.3	8.1		
1479	HAVASU	13.72	1.72	65.0	54.9	100	--	194.9	5.0	0.1	76.4	60.2	12.71	0.82	3	206.7	0.87	35.2	12.4	726	27.75	53.31	43.56	10.0	31.06	8.2	8.1		
1484	WESTMORE	14.67	1.70	63.6	49.0	100	--	185.7	14.3	0.1	75.9	58.3	13.52	0.85	4	194.9	0.94	37.2	12.8	704	27.98	54.49	44.20	10.0	29.66	7.1	9.4		
1582	MAESTRALE	15.05	1.72	65.0	58.1	100	2.0	194.7	4.9	0.1	75.3	60.5	13.75	0.84	2	98.1	0.51	43.4	15	648	25.50	53.08	38.31	8.0	30.34	8.3	8.3		
1583	SARAGOLLA	12.84	1.81	64.3	50.5	99	2.0	189.5	10.7	0.1	78.9	65.4	11.52	0.77	2	94.8	0.67	25.9	9.6	592	24.98	55.52	39.81	8.5	30.29	7.9	7.9		
ADVANCED LINES																													
1435	WWW D8270	13.60	1.95	64.1	53.5	100	--	193.0	7.3	--	76.0	60.4	12.52	1.02	1	112.5	0.88	34.7	12.9	658	26.22	55.36	39.72	8.5	30.98	7.5	8.1		
1585	UCD 06222/53	13.13	1.55	63.5	55.6	100	--	193.7	6.3	0.1	77.9	63.9	11.84	0.58	4	89.6	0.67	26.8	10.1	739	27.95	56.13	43.98	10.0	30.90	7.4	8.3		
1589	NORMANO	13.94	1.84	60.2	40.3	100	--	148.6	50.8	0.4	76.1	63.6	12.81	0.71	2	135.4	0.80	33.5	11.6	563	26.17	53.14	41.89	9.0	30.67	7.6	8.3		
1607	WB YU802-4	13.73	1.76	61.6	45.0	100	--	177.9	22.0	0.2	76.3	63.5	12.75	0.67	1	177.9	0.96	33.1	11.5	635	28.70	53.24	42.40	9.0	29.37	7.0	9.0		
1628	UCD 08201/20	13.90	1.56	63.3	57.5	100	--	196.4	3.8	--	78.2	63.4	12.53	0.72	2	173.3	0.78	35	12.1	733	26.86	54.51	43.52	10.0	31.94	7.3	9.1		
1629	UCD 08201/21	14.52	1.63	63.9	46.9	100	--	190.2	10.0	--	76.6	62.0	13.03	0.81	3	57.6	0.74	36	12.3	622	26.55	54.48	40.48	8.5	31.03	7.9	8.2		
1633	WB YU805-17	14.59	1.55	62.9	58.1	100	--	198.0	2.2	--	78.5	64.4	13.51	0.69	2	158.3	0.50	41.7	14.7	789	26.99	55.53	42.52	9.0	30.27	7.7	8.3		
1640	APB D1-2	13.82	1.80	62.7	63.7	100	--	198.8	1.2	--	77.7	65.9	13.42	0.84	2	213.2	1.03	37.3	13.1	516	28.69	56.11	44.23	10.0	29.36	7.2	8.2		
1641	APB D2-97	13.52	1.79	63.9	60.2	100	--	194.1	5.8	0.1	77.3	62.3	12.13	0.85	1	166.1	1.04	32.7	11.3	618	27.25	54.72	41.99	9.0	28.62	7.3	8.5		
1644	UCD 09210/17	13.60	1.80	62.5	53.2	100	--	190.7	9.2	0.1	75.9	64.2	12.49	0.80	2	95.5	1.21	35.6	11.7	531	26.52	56.05	42.88	9.5	30.82	8.2	8.0		
1645	UCD 09213/30	12.66	1.64	59.7	42.9	100	--	161.4	37.2	1.2	76.8	61.6	11.65	0.84	4	104.0	0.80	34.4	11.9	628	27.26	55.68	41.70	9.0	30.75	6.8	8.5		
1646	UCD 09220/135	14.62	1.78	63.6	52.9	100	--	196.0	3.9	0.1	76.8	63.7	13.30	0.76	1	81.1	0.59	40.4	14.2	692	28.42	55.36	44.35	10.0	30.36	6.5	9.2		
1652	WB YU803-42	14.76	1.84	65.0	66.7	100	2.0	199.2	0.8	--	76.9	62.2	13.55	0.85	1	215.2	0.72	41.8	14.7	638	26.04	55.45	43.09	10.0	30.25	6.6	8.9		
1653	WB YU805-88	14.61	1.73	63.6	56.8	100	--	197.0	2.9	--	77.9	64.9	13.37	0.94	1	90.9	0.54	40.8	14.1	651	25.00	55.60	41.30	9.0	30.20	7.0	9.6		
1654	WB YU806-93	14.25	1.86	64.0	59.9	100	--	193.5	6.4	0.1	78.0	60.5	13.21	0.98	2	235.4	0.86	40.1	14.2	673	29.78	53.79	43.31	10.0	30.12	7.3	8.2		
1655	WB YU807-115	14.54	1.83	63.8	54.1	100	1.0	198.6	1.4	0.1	77.6	62.0	13.00	0.83	4	164.8	0.73	38.8	13.6	739	26.26	55.65	41.59	9.0	30.17	7.1	8.9		
1672	APB D2-95	13.75	1.75	63.8	54.1	100	--	195.3	4.5	0.1	78.1	62.8	12.68	0.91	1	181.8	0.62	37.5	13.1	709	26.81	55.58	42.85	9.5	30.86	6.8	9.4		
1674	TANGO	13.29	1.77	64.3	58.8	100	--	194.4	4.4	0.1	77.9	62.2	12.25	0.83	1	39.2	0.62	32.4	11.8	632	25.71	56.56	40.64	9.0	31.35	7.8	8.3		
1676	ROYAL II	14.27	1.78	63.2	55.9	100	--	195.1	4.8	--	76.7	59.1	12.96	0.79	2	114.5	0.51	38.7	13.4	608	23.26	55.58	38.38	8.0	29.95	7.0	8.2		
1677	RS001	13.94	1.82	60.6	46.7	100	--	175.5	23.8	0.4	75.8	63.4	12.90	0.81	4	130.8	0.69	37.6	13.3	661	27.93	55.27	41.60	9.0	30.02	7.0	7.8		
1678	RS002	12.81	1.71	63.2	52.1	100	--	187.9	11.9	0.1	76.1	62.6	12.80	0.67	2	108.6	0.65	36.4	13	669	26.95	53.96	41.73	9.0	29.86	7.3	8.8		

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA
Pro = Protein% (12% moisture basis); Ash = Ash % (mineral content); Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams); HVAC = Hard vitreous amber color (%)
Tot Ext = Total extract (%); Semo Ext = Semolina extract (%); Spk = Specks; Alveo W = Alveograph W; Alveo P/L = Alveograph P/L ratio; Fall No. = Falling number (seconds)
Color "b" = Intensive yellowness of pasta color (the higher the value, the more yellowness); Color Score: 9.0 or greater is good;
Cook Wt = Cooked weight, 10 gram sample; Cook Loss = Cooking loss (%), below 6.0 is good; Firm = Firmness (gcm), 6.0 and above is good

Table 38. 2010 UCD DURUM WHEAT TEST, QUALITY EVALUATION

Entry	Name	Milling																											
		Grain									Semolina										Pasta								
		Pro	Ash	Test Wt	1000 Kwt	HVAC	Black Point	Kernel Size Dist. (200 g)			Tot Ext	Semo Ext	Pro	Ash	Spk	Alveo-W	Alveo-P/L	Wet Glut	Dry Glut	Fall No.	Color "b"	Color L	Color b	Color Score	Cook Wt	Cook Loss	Firm		
CULTIVARS																													
878	DURAKING	11.26	1.44	63.0	48.1	100	--	185.6	15.4	0.1	70.6	60.3	10.94	0.65	6	220.4	1.96	29.7	10.4	573	23.02	54.02	33.04	6.0	30.54	8.9	5.4		
951	KRONOS	11.44	1.44	62.2	62.9	99	4	195.7	4.3	0.1	74.5	63.7	10.95	0.77	3	214.5	2.00	29.5	10.6	734	24.98	55.47	39.00	8.5	30.57	7.9	5.9		
1166	CROWN	9.74	1.40	62.9	57.1	90	1	189.7	9.0	0.1	74.7	62.6	9.41	0.73	2	168.1	2.86	25.8	9.5	524	24.91	56.16	39.93	9.0	30.46	8.9	5.3		
1210	PLATINUM	9.50	1.64	64.6	55.9	92	--	193.0	6.8	0.2	75.9	64.9	8.54	0.82	4	158.3	3.56	22.5	8.4	572	26.46	57.06	41.02	9.0	30.02	7.5	6.1		
1211	TOPPER	10.00	1.60	64.6	47.8	93	3	187.7	12.1	0.1	74.4	63.1	9.50	0.77	7	128.2	2.75	26.3	9.4	592	21.58	56.59	38.62	8.5	31.22	8.6	6.1		
1375	DESERT KING	12.12	1.68	65.4	56.5	100	--	194.6	5.4	--	75.4	64.4	11.10	0.86	4	175.6	2.05	30.3	10.5	649	23.93	56.84	38.90	8.5	30.14	7.6	6.3		
1429	FORTISSIMO	10.69	2.00	64.1	53.2	95	--	190.3	9.4	0.2	72.8	62.7	9.61	0.80	8	136.0	2.96	23.5	8.2	582	26.52	56.11	41.98	9.5	30.76	9.0	5.7		
1430	RSI 59	8.87	1.62	64.0	54.3	82	2	194.5	5.2	0.3	72.6	61.4	8.36	0.86	8	110.5	3.11	23.1	8.4	597	24.58	57.95	38.36	8.5	30.28	8.8	5.4		
1431	VOLANTE	10.14	1.68	65.4	61.3	94	--	196.2	3.7	0.2	74.6	62.4	9.35	0.90	4	144.5	1.93	26.4	9.4	571	27.56	56.31	40.52	9.0	29.56	8.8	6.2		
1484	WESTMORE	11.05	1.73	63.6	49.5	97	--	183.2	15.8	0.1	72.2	62.2	9.93	0.83	3	226.3	5.06	25.4	9.3	667	25.49	55.98	41.32	9.0	30.80	8.6	6.5		
1582	MAESTRALE	9.64	1.64	64.6	52.9	80	--	185.8	13.7	0.4	74.8	63.1	8.62	0.71	6	113.8	2.48	23.3	8.2	528	22.83	56.23	36.27	7.0	32.16	8.0	6.4		
1583	SARAGOLLA	10.98	1.69	63.2	50.5	92	3	184.7	15.1	0.3	73.3	62.7	9.95	0.85	13	171.3	2.83	24.4	8.6	672	24.08	55.01	38.55	8.0	30.82	8.1	6.6		
ADVANCED LINES																													
1435	WWW D8270	11.40	1.66	63.6	54.6	97	1	194.5	6.4	0.1	73.5	62.6	10.41	0.85	7	226.3	3.28	24.1	8.6	650	25.31	55.36	37.25	7.5	30.94	8.1	6.4		
1585	UCD 06222/53	10.73	1.56	64.7	60.6	96	3	194.7	5.6	0.1	72.7	62.3	9.51	0.71	1	164.2	3.18	24.8	9	571	23.29	55.47	39.14	8.0	30.70	8.0	6.1		
1589	NORMANO	11.46	1.74	63.0	56.8	98	1	178.4	21.2	0.3	74.2	62.9	10.41	0.92	1	191.6	3.18	25.9	9.3	698	24.88	53.18	39.26	8.0	30.37	8.8	6.0		
1606	WB DA804-24	13.71	1.66	63.6	62.1	100	--	195.8	4.1	0.1	75.0	63.0	12.65	0.86	1	217.8	1.64	34.4	12.5	677	25.13	53.64	37.80	7.5	30.30	8.1	6.9		
1628	UCD 08201/20	10.74	1.54	63.1	61.7	93	5	194.0	5.8	0.1	75.6	63.7	9.69	0.86	7	175.9	5.09	24	8.5	686	25.47	54.79	39.88	8.5	31.48	8.7	6.1		
1629	UCD 08201/21	10.67	1.58	65.6	54.3	95	2	195.7	4.2	0.1	74.5	61.9	9.57	0.81	2	142.6	2.90	26.9	9.6	601	23.58	55.26	37.78	7.5	30.15	8.8	5.7		
1640	APB D1-2	12.14	1.61	64.9	69.4	98	4	196.3	3.5	0.1	74.2	63.8	11.05	0.77	3	264.2	2.60	28.5	10.5	592	24.94	55.79	39.94	8.5	29.02	7.7	6.2		
1641	APB D2-97	11.15	1.65	63.8	65.4	98	3	195.9	3.9	0.1	74.9	63.3	10.04	0.86	3	211.2	4.26	25.9	9.4	565	25.09	55.18	39.94	8.5	30.18	7.7	6.3		
1644	UCD 09210/17	12.92	1.47	62.8	53.5	49	1	187.8	12.0	0.2	75.7	64.1	11.82	0.75	3	198.8	2.21	31.3	11	709	24.36	56.01	40.04	9.0	29.82	7.8	6.4		
1645	UCD 09213/30	8.37	1.48	62.1	51.0	72	1	179.9	19.6	0.3	75.5	64.2	7.21	0.81	1	121.6	2.88	20.9	7.7	557	24.92	56.15	41.03	9.5	30.63	7.7	5.8		
1646	UCD 09220/135	10.47	1.75	65.1	57.5	95	1	196.0	3.9	0.1	74.3	64.4	9.27	0.95	4	136.0	3.25	25.8	9.3	656	25.22	56.04	40.97	9.0	29.29	7.2	6.0		
1656	WB SJ807-006	12.24	1.83	61.3	57.1	100	10	189.9	9.9	0.2	72.1	61.5	11.06	0.83	18	254.4	1.99	27.7	10.7	685	28.22	52.55	40.40	8.5	29.75	7.4	6.8		
1672	APB D2-95	10.87	1.85	64.2	55.6	99	2	194.9	5.0	0.1	74.5	63.7	9.85	0.84	5	279.3	3.36	23.8	8.7	673	25.39	55.21	40.36	8.5	30.14	8.0	6.1		
1674	TANGO	11.04	1.82	62.2	55.6	99	10	192.5	7.5	0.1	74.5	63.7	9.95	0.90	11	116.4	1.88	28	10.3	620	23.71	54.65	36.73	7.5	28.74	8.2	6.3		

Analysis provided by the California Wheat Commission Quality Laboratory, Woodland, CA

Pro = Protein% (12% moisture basis); Ash = Ash % (mineral content); Test Wt = Test weight (lb/bu); 1000 Kwt = Thousand kernel weight (grams); HVAC = Hard vitreous amber color (%)

Tot Ext = Total extract (%); Semo Ext = Semolina extract (%); Spk = Specks; Alveo W = Alveograph W; Alveo P/L = Alveograph P/L ratio; Fall No. = Falling number (seconds)

Color "b" = Intensive yellowness of pasta color (the higher the value, the more yellowness); Color Score: 9.0 or greater is good;

Cook Wt = Cooked weight, 10 gram sample; Cook Loss = Cooking loss (%), below 6.0 is good; Firm = Firmness (gcm), 6.0 and above is good

Table 39. 2010 Durum Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust				
		Mean (4 Loc)	UC Davis 5/17	Fresno 4/28	Kern 5/6	Kings 5/5
<u>CULTIVARS</u>						
	878 DURAKING	2.1 (16)	1.8	2.0	1.8	2.8
	951 KRONOS	3.1 (19)	4.8	2.3	1.5	3.8
	1166 CROWN	1.0 (1)	1.0	1.0	1.0	1.0
	1210 PLATINUM	1.0 (1)	1.0	1.0	1.0	1.0
	1211 TOPPER	1.8 (14)	2.8	1.0	1.0	2.5
	1375 DESERT KING	1.0 (1)	1.0	1.0	1.0	1.0
	1429 FORTISSIMO	1.0 (1)	1.0	1.0	1.0	1.0
	1430 RSI 59	1.4 (13)	2.0	1.0	1.0	1.5
	1431 VOLANTE	1.1 (7)	1.0	1.0	1.0	1.3
	1484 WESTMORE	1.1 (7)	1.0	1.0	1.0	1.3
<u>ADVANCED LINES</u>						
	1435 WWW D8270	1.3 (12)	1.0	1.8	1.0	1.5
	1585 UCD 06222/53	3.2 (20)	4.3	3.5	1.0	4.0
	1606 WB DA804-24	1.9 (15)	1.3	2.8	1.0	2.5
	1628 UCD 08201/20	2.2 (17)	2.3	1.5	2.3	2.8
	1629 UCD 08201/21	1.0 (1)	1.0	1.0	1.0	1.0
	1640 APB D1-2	1.1 (9)	1.5	1.0	1.0	1.0
	1641 APB D2-97	1.1 (9)	1.0	1.5	1.0	1.0
	1644 UCD 09210/17	3.3 (21)	4.5	3.5	1.8	3.3
	1645 UCD 09213/30	1.1 (9)	1.0	1.3	1.3	1.0
	1646 UCD 09220/135	2.2 (17)	3.3	1.8	1.0	2.8
	1656 WB SJ807-006	3.4 (22)	4.5	3.5	1.3	4.3
	1672 APB D2-95	1.0 (1)	1.0	1.0	1.0	1.0
	1674 TANGO	4.1 (23)	4.8	3.0	4.3	4.3
	MEAN	1.8	2.0	1.7	1.3	2.1
	CV	22.9	24.1	25.4	25.1	20.1
	LSD (.05)	0.3	0.7	0.6	0.5	0.6

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 40. 2008-10 DURUM WHEAT YIELD SUMMARY (LBS/ACRE)

Entry	Name	Sacramento Valley			San Joaquin Valley			Imperial Valley		
		2010 (1 loc)	2009-10 (2 loc/yr)	2008-10 (3 loc/yr)	2010 (3 loc/yr)	2009-10 (6 loc/yr)	2008-10 (9 loc/yr)	2010 (1 loc/yr)	2009-10 (2 loc/yr)	2008-10 (3 loc/yr)
CULTIVARS										
878	DURAKING	6360 (15)	6700 (9)	7210 (6)	7140 (18)	6060 (13)	5980 (10)	8940 (3)	8690 (5)	7960 (7)
951	KRONOS	5430 (24)	5750 (16)	6010 (11)	7290 (17)	6020 (14)	6300 (8)	8350 (18)	7470 (20)	7170 (15)
1166	CROWN	6430 (13)	6910 (3)	7270 (5)	7770 (13)	6500 (8)	6500 (6)	8340 (20)	8120 (13)	7820 (9)
1210	PLATINUM	6410 (14)	6550 (14)	7280 (4)	8020 (10)	6440 (10)	6540 (3)	8340 (21)	7690 (18)	7310 (14)
1211	TOPPER	5870 (21)	-	-	7100 (19)	-	-	8140 (26)	-	-
1215	ORITA	-	-	-	-	-	-	8710 (10)	7970 (15)	7720 (11)
1375	DESERT KING	7270 (3)	7350 (1)	7450 (1)	8140 (8)	6580 (6)	6530 (4)	8390 (16)	8070 (14)	7890 (8)
1429	FORTISSIMO	7370 (2)	7100 (2)	7350 (2)	8000 (11)	6670 (4)	6450 (7)	8390 (17)	7700 (17)	7740 (10)
1430	RSI 59	7070 (6)	-	-	8340 (4)	-	-	8980 (1)	8510 (8)	8300 (3)
1431	VOLANTE	6740 (9)	6580 (13)	7080 (7)	7940 (12)	6620 (5)	6560 (2)	8140 (27)	8360 (10)	8050 (6)
1479	HAVASU	6360 (16)	-	-	-	-	-	8170 (24)	8420 (9)	8130 (5)
1484	WESTMORE	6570 (11)	6800 (7)	6870 (9)	8720 (1)	6930 (1)	6770 (1)	8840 (5)	8160 (12)	7600 (13)
1582	MAESTRALE	6180 (19)	6280 (15)	5970 (12)	-	-	-	8010 (31)	8930 (2)	8210 (4)
1583	SARAGOLLA	5830 (22)	6630 (11)	6750 (10)	-	-	-	8790 (8)	8900 (3)	8380 (2)
ADVANCED LINES										
1435	WWW D8270	-	-	-	7030 (20)	-	-	7970 (32)	-	-
1585	UCD 06222/53	7120 (5)	6800 (6)	6910 (8)	7400 (16)	6200 (11)	6210 (9)	8890 (4)	9780 (1)	9140 (1)
1589	NORMANO	2890 (26)	-	-	-	-	-	7430 (35)	-	-
1606	WB DA804-24	7060 (7)	6810 (5)	7300 (3)	8240 (5)	6560 (7)	6510 (5)	-	-	-
1607	WB YU802-4	-	-	-	-	-	-	8140 (25)	7550 (19)	7650 (12)
1628	UCD 08201/20	6730 (10)	6680 (10)	-	6960 (21)	6130 (12)	-	8340 (19)	8510 (7)	-
1629	UCD 08201/21	7170 (4)	6880 (4)	-	8200 (6)	6870 (2)	-	8970 (2)	8200 (11)	-
1633	WB YU805-17	-	-	-	-	-	-	8660 (11)	7880 (16)	-
1640	APB D1-2	6880 (8)	6700 (8)	-	8030 (9)	6450 (9)	-	8570 (12)	8700 (4)	-
1641	APB D2-97	6340 (17)	6630 (12)	-	8390 (3)	6720 (3)	-	8830 (7)	8690 (6)	-
1644	UCD 09210/17	6090 (20)	-	-	6330 (22)	-	-	8420 (14)	-	-
1645	UCD 09213/30	8100 (1)	-	-	8560 (2)	-	-	8310 (22)	-	-
1646	UCD 09220/135	6500 (12)	-	-	8170 (7)	-	-	8740 (9)	-	-
1652	WB YU803-42	-	-	-	-	-	-	8400 (15)	-	-
1653	WB YU805-88	-	-	-	-	-	-	8480 (13)	-	-
1654	WB YU806-93	-	-	-	-	-	-	8250 (23)	-	-
1655	WB YU807-115	-	-	-	-	-	-	8130 (28)	-	-
1656	WB SJ807-006	5540 (23)	-	-	7430 (15)	-	-	-	-	-
1672	APB D2-95	6280 (18)	-	-	7460 (14)	-	-	8010 (30)	-	-
1674	TANGO	4140 (25)	-	-	5980 (23)	-	-	7470 (34)	-	-
1675	ROYAL I	-	-	-	-	-	-	-	-	-
1676	ROYAL II	-	-	-	-	-	-	7650 (33)	-	-
1677	RS001	-	-	-	-	-	-	8090 (29)	-	-
1678	RS002	-	-	-	-	-	-	8840 (6)	-	-
	MEAN	6340	6700	6950	7680	6480	6490	8380	8310	7940
	CV	7.3	9.9	9.2	5.6	6.9	8.3	4.2	4.6	5.6
	LSD (.05)	650	660	520	340	250	270	490	380	360

Numbers in parentheses indicate relative rank

Table 41. 2010 UC REGIONAL BARLEY ENTRY LIST

Entry	Name	Type	Parentage	Source
CULTIVARS				
603	UC 603	6RSF	((Marie*LU)*TRL)*BR)*(YDRBR*YDMRBR)	UC
816	MAX	6RSF	CCXXXII SEL (BA7024)	WWW
933	UC 933	6RSF	Sma1/SB401/3/Gus/KBY//Sma1	UC
951	MELTAN	2RSF		ADAMS
969	UC 969	6RSF	SMA1/SB401/3/UC337	UC
1047	ISHI	6RSF	F6 UC 828/UC 960	UC
1134	TAMALPAIS	6RS(N)	F7 CMB 91A-1192-AL/UC 960	UC
ADVANCED LINES				
1231	UCD 08YP 111	6RSF	F6 23IBYT7//UC933/UC1047	UC
1232	UCD 08YP 301	6RSF	F6 RSI729//UC 1047	UC
1236	UCD 08YP 258	6RSF	F6 UC 933/UC 1047	UC
1248	UCD B99		UC1090/23IBYT7/UC933	UC
1249	UCD B110		23IByt7//UC933/UC1047	UC
1250	UCD B102		23IByt7//UC933/UC1047	UC
1251	UCD B103		23IByt7//UC933/UC1047	UC
1252	UCD B156		23IByt7//UC933/UC1047	UC
1253	UCD B98		23IByt7//UC933/UC1047	UC
1254	UCD C284		UC933/UC1047	UC
1255	UCD B369		23IByt7//UC933/UC1047	UC
1256	UCD B398		23IByt7//UC933/UC1047	UC
1257	UCD B47		UC933/UC1047	UC
1258	UCD A34		23IByt7//UC933/UC1047	UC
1259	UCD B366		23IByt7//UC933/UC1047	UC
1260	UCD B372		23IByt7//UC933/UC1047	UC
1261	UCD A237		UC933//23IBYT7/UC1047	UC
1262	UCD C28		Tamalpais (UC1134)//Madera/UC937	UC
1263	UCD C43		Tamalpais (UC1134)//Madera/UC937	UC
1264	UCD C46		Tamalpais (UC1134)//Madera/UC937	UC
1265	UCD C48		Tamalpais (UC1134)//Madera/UC937	UC
1266	UCD C51		Tamalpais (UC1134)//Madera/UC937	UC
1267	UCD C60		Tamalpais (UC1134)//Madera/UC937	UC

30 ENTRIES

TYPE: 6RSF = 6-ROW SPRING FEED; 2RSF = 2-ROW SPRING FEED; 2RS(N): NAKED 2-ROW SPRING; 6RS(N): NAKED 6-ROW SPRING; 6RSM = 6-ROW SPRING MALT; 6RWF = 6-ROW WINTER FEED; 6RW(H) = 6-ROW WINTER HOODED.

SOURCE: ADAMS = ADAMS GRAIN CO., CIMMYT-ICARDA, OSU = OREGON STATE UNIVERSITY; UA = UNIVERSITY OF ARIZONA; UC = UNIVERSITY OF CALIFORNIA; WWW - WORLD WIDE WHEAT

Table 42. FRESNO BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	Plant Ht (in)	Scald 4/8/10	Net	Stripe	
				Kernel Wt (g)			Blotch 4/28/10	Rust 4/8/10 4/28/10	
CULTIVARS									
603	UC 603	6050 (23)	51.8	37.2	37	1.0	1.8	1.0	1.0
816	MAX	5740 (26)	52.5	42.4	27	1.0	1.0	1.8	3.8
933	UC 933	6340 (19)	52.8	44.8	37	1.3	1.0	1.0	1.0
951	MELTAN	5360 (28)	56.1	43.4	34	1.0	1.5	1.0	1.0
969	UC 969	4700 (30)	55.9	41.8	44	1.0	1.0	1.0	1.0
1047	ISHI	7330 (7)	51.9	47.5	37	1.5	1.0	1.0	1.0
1134	TAMALPAIS	6430 (16)	59.6	43.1	33	2.0	1.0	1.0	1.0
ADVANCED LINES									
1231	UCD 08YP 111	8080 (1)	52.5	52.7	42	1.3	1.0	1.0	1.0
1232	UCD 08YP 301	6380 (18)	53.3	47.0	39	1.3	1.0	1.0	1.0
1236	UCD 08YP 258	5300 (29)	50.1	44.5	38	1.0	3.5	1.0	1.0
1248	UCD B99	7010 (10)	52.0	47.7	34	1.0	1.0	1.0	1.0
1249	UCD B110	6990 (11)	52.4	52.7	40	1.0	1.0	1.0	1.0
1250	UCD B102	7500 (4)	53.3	53.6	40	1.3	1.0	1.0	1.0
1251	UCD B103	6390 (17)	52.7	57.4	40	1.3	1.0	1.0	1.0
1252	UCD B156	7460 (5)	54.1	51.4	41	1.0	1.0	1.0	1.0
1253	UCD B98	6320 (21)	52.5	46.7	34	1.0	1.0	1.0	1.0
1254	UCD C284	6800 (13)	52.0	53.4	40	1.3	1.3	1.0	1.0
1255	UCD B369	7300 (8)	51.3	49.8	38	1.3	1.5	1.0	1.0
1256	UCD B398	7710 (2)	52.7	52.9	38	1.0	1.0	1.0	1.0
1257	UCD B47	6330 (20)	52.2	52.5	42	1.3	1.5	1.0	1.0
1258	UCD A34	7130 (9)	52.6	51.8	39	1.5	1.0	1.0	1.0
1259	UCD B366	6940 (12)	51.9	53.7	40	1.0	2.3	1.0	1.0
1260	UCD B372	7410 (6)	53.0	49.6	38	1.0	1.0	1.0	1.0
1261	UCD A237	7530 (3)	52.2	46.4	39	1.0	1.0	1.0	1.0
1262	UCD C28	6200 (22)	60.3	44.1	37	1.0	1.0	1.0	1.0
1263	UCD C43	6520 (15)	59.3	49.2	36	1.3	1.0	1.0	1.0
1264	UCD C46	5990 (24)	61.1	46.4	33	1.0	1.0	2.0	1.0
1265	UCD C48	5750 (25)	62.2	44.4	40	1.5	1.0	1.8	1.0
1266	UCD C51	6570 (14)	58.3	46.7	36	1.0	1.0	1.0	1.0
1267	UCD C60	5730 (27)	61.7	44.9	40	2.3	1.0	1.0	1.0
MEAN		6580	54.5	48.0	38	1.2	1.2	1.1	1.1
CV		7.7	1.7	3.2	4.4	35.8	34.8	43.4	16.0
LSD (.05)		710	1.9	3.1	3.0	0.6	0.6	ns	0.3

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 43. 2010 DAVIS BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Plant Ht (in)	Shatter	Lodging Harvest	Stripe Rust	Days To	
				Kernel Wt (g)						Head	Mature (from 3/1)
<u>CULTIVARS</u>											
603	UC 603	5620 (24)	51.6	39.1	36	1.0	1.0	1.0	46	91	
816	MAX	4910 (29)	51.0	32.0	28	1.5	2.0	3.8	63	95	
933	UC 933	6900 (13)	53.3	45.4	36	1.5	2.0	1.0	46	93	
951	MELTAN	5220 (28)	55.9	42.5	35	1.0	1.0	1.0	56	91	
969	UC 969	5670 (23)	55.4	46.1	38	2.0	1.3	1.0	45	90	
1047	ISHI	7260 (8)	52.9	45.5	37	1.0	2.3	1.0	49	87	
1134	TAMALPAIS	6250 (19)	59.4	42.0	32	1.0	1.0	1.0	47	91	
<u>ADVANCED LINES</u>											
1231	UCD 08YP 111	7790 (2)	52.5	48.6	38	1.8	1.8	1.3	51	89	
1232	UCD 08YP 301	6800 (17)	52.4	44.6	37	1.3	1.8	1.0	45	90	
1236	UCD 08YP 258	7080 (11)	50.9	46.0	39	1.3	1.5	1.5	55	92	
1248	UCD B99	6810 (15)	51.6	42.2	32	1.0	1.0	1.0	50	92	
1249	UCD B110	7410 (6)	51.5	50.0	38	1.0	1.5	1.0	51	90	
1250	UCD B102	7070 (12)	52.6	53.3	38	1.0	1.3	1.0	49	93	
1251	UCD B103	6810 (16)	52.8	50.3	40	1.0	2.0	1.0	49	89	
1252	UCD B156	7550 (4)	51.6	46.3	33	1.0	1.5	1.0	50	93	
1253	UCD B98	6090 (20)	51.8	42.1	36	1.8	1.8	1.0	52	90	
1254	UCD C284	6860 (14)	52.2	50.2	42	1.0	2.0	1.0	50	91	
1255	UCD B369	6740 (18)	51.3	47.6	39	1.0	1.5	1.0	54	90	
1256	UCD B398	7210 (9)	52.2	49.9	40	1.3	1.5	1.0	52	93	
1257	UCD B47	7410 (5)	52.0	49.7	39	1.3	1.5	1.8	53	91	
1258	UCD A34	7160 (10)	51.6	49.2	40	1.3	2.0	1.0	49	90	
1259	UCD B366	7660 (3)	51.6	51.3	40	1.0	1.5	1.0	50	93	
1260	UCD B372	7290 (7)	50.7	45.3	36	1.5	1.8	1.0	52	91	
1261	UCD A237	7850 (1)	51.3	44.3	38	1.3	2.0	1.0	53	92	
1262	UCD C28	5820 (21)	59.4	42.7	42	2.0	1.8	1.0	54	90	
1263	UCD C43	5790 (22)	59.6	41.7	35	2.5	1.8	1.0	54	91	
1264	UCD C46	5390 (27)	56.9	35.6	35	1.0	1.3	1.0	62	94	
1265	UCD C48	4730 (30)	59.8	39.4	32	1.5	1.0	1.0	59	91	
1266	UCD C51	5390 (26)	59.4	40.6	38	1.0	1.8	1.0	55	90	
1267	UCD C60	5440 (25)	59.0	43.7	36	2.3	1.8	1.0	58	91	
	MEAN	6530	53.8	44.9	37	1.3	1.6	1.1	52	91	
	CV	8.2	1.9	5.3	9.1	47.4	39.3	24.8	3.6	1.3	
	LSD (.05)	750	2.1	4.8	ns	0.9	ns	0.4	4	2	

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 44. 2010 UC DAVIS RAINFED BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Lodging Harvest	Stripe Rust 5/12/10	Days To	
				Kernel Wt (g)	Plant Ht (in)				Head	Mature (from 3/1)
<u>CULTIVARS</u>										
603	UC 603	5230 (25)	51.3	41.7	32	1.0	1.0	1.0	46	91
816	MAX	4700 (29)	52.2	43.8	32	1.3	1.8	3.8	65	96
933	UC 933	6620 (16)	53.0	47.1	35	1.0	2.3	1.0	44	92
951	MELTAN	5290 (24)	57.1	47.1	32	1.0	1.0	1.0	51	90
969	UC 969	5540 (22)	55.0	45.5	37	1.5	1.0	1.0	45	90
1047	ISHI	7460 (3)	51.4	40.8	39	1.5	2.0	1.0	50	88
1134	TAMALPAIS	6360 (18)	56.2	45.6	36	1.0	1.3	1.0	47	91
<u>ADVANCED LINES</u>										
1231	UCD 08YP 111	6600 (17)	54.9	44.3	38	2.0	2.8	1.0	51	91
1232	UCD 08YP 301	6790 (10)	51.7	46.3	38	1.0	1.5	1.0	45	89
1236	UCD 08YP 258	7540 (2)	50.3	42.8	34	1.3	2.3	1.5	47	94
1248	UCD B99	5940 (20)	50.9	45.6	35	1.3	1.5	1.0	51	91
1249	UCD B110	6880 (9)	52.5	54.3	37	1.5	1.8	1.0	50	90
1250	UCD B102	6950 (7)	52.1	50.8	36	1.3	1.8	1.0	50	93
1251	UCD B103	6730 (13)	52.1	54.0	41	1.0	2.0	1.0	48	89
1252	UCD B156	6770 (11)	52.6	51.2	39	1.3	1.5	1.0	52	93
1253	UCD B98	6020 (19)	50.9	40.7	41	1.0	1.8	1.0	51	90
1254	UCD C284	6980 (5)	52.6	52.6	41	1.3	2.0	1.0	47	92
1255	UCD B369	8010 (1)	52.6	51.6	39	1.5	2.0	1.0	51	91
1256	UCD B398	6680 (14)	50.2	43.7	37	1.5	1.5	1.0	48	91
1257	UCD B47	6740 (12)	52.2	52.0	42	1.0	1.5	1.0	54	91
1258	UCD A34	6930 (8)	51.7	50.0	38	1.3	2.0	1.0	50	91
1259	UCD B366	6970 (6)	52.2	52.9	41	1.3	2.5	1.3	50	94
1260	UCD B372	6650 (15)	50.7	44.7	35	1.5	2.0	1.0	49	90
1261	UCD A237	7320 (4)	50.1	43.8	34	1.3	1.8	1.0	54	91
1262	UCD C28	4940 (28)	54.6	40.4	43	1.0	1.8	1.0	52	89
1263	UCD C43	5450 (23)	57.6	42.4	36	1.5	2.0	1.0	49	92
1264	UCD C46	5220 (26)	57.5	40.3	36	1.5	2.5	1.0	63	93
1265	UCD C48	4660 (30)	58.4	38.5	38	2.8	2.8	1.0	59	92
1266	UCD C51	5730 (21)	58.3	41.9	33	1.5	2.5	1.0	50	88
1267	UCD C60	5110 (27)	59.7	49.4	40	2.5	3.3	1.0	54	91
	MEAN	6300	53.5	46.2	37	1.4	1.9	1.1	50	91
	CV	8.5	4.2	11.4	9.7	44.5	36.1	27.5	6.8	2.3
	LSD (.05)	750	4.6	ns	ns	0.9	1.0	0.4	7	ns

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 45. 2010 TEHAMA RAINFED BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Spot Blotch	Powdery Mildew
<u>CULTIVARS</u>							
603	UC 603	1190 (21)	51.9	41.9	25	2.3	1.0
816	MAX	610 (29)	54.3	43.9	15	3.3	1.0
933	UC 933	2060 (3)	51.0	45.4	24	1.8	1.0
951	MELTAN	1440 (12)	55.7	45.5	23	1.5	1.0
969	UC 969	1290 (16)	51.8	38.9	23	1.8	1.8
1047	ISHI	2160 (2)	50.8	44.3	24	1.8	1.0
1134	TAMALPAIS	1390 (15)	56.5	40.4	19	1.3	1.0
<u>ADVANCED LINES</u>							
1231	UCD 08YP 111	1630 (10)	50.8	45.7	25	2.0	1.0
1232	UCD 08YP 301	2190 (1)	50.5	46.1	24	1.5	1.0
1236	UCD 08YP 258	1670 (9)	48.5	41.4	22	2.3	1.0
1248	UCD B99	1420 (13)	48.9	41.4	20	1.8	1.0
1249	UCD B110	970 (25)	50.7	41.2	25	1.3	1.0
1250	UCD B102	1690 (8)	51.0	45.3	27	2.3	1.0
1251	UCD B103	960 (26)	49.5	43.7	22	2.3	1.0
1252	UCD B156	1410 (14)	50.2	43.3	22	1.3	1.0
1253	UCD B98	1220 (19)	50.2	41.6	25	2.3	1.0
1254	UCD C284	1460 (11)	50.7	45.6	28	2.0	1.0
1255	UCD B369	1210 (20)	50.1	41.4	23	2.0	1.0
1256	UCD B398	1860 (4)	49.6	44.5	24	2.5	1.0
1257	UCD B47	1270 (17)	49.5	43.7	24	1.8	1.0
1258	UCD A34	1690 (7)	49.4	44.0	24	2.0	1.0
1259	UCD B366	1250 (18)	50.6	44.0	23	1.8	1.0
1260	UCD B372	1760 (5)	50.0	43.4	27	1.8	1.0
1261	UCD A237	1700 (6)	49.3	38.0	24	2.3	1.0
1262	UCD C28	970 (24)	57.9	38.3	23	1.0	1.0
1263	UCD C43	990 (23)	59.1	41.9	22	1.5	1.0
1264	UCD C46	590 (30)	57.8	37.4	21	2.3	1.0
1265	UCD C48	620 (28)		37.8	26	2.0	1.0
1266	UCD C51	1010 (22)	59.1	38.7	23	2.0	1.0
1267	UCD C60	860 (27)	57.8	40.5	27	1.5	1.0
	MEAN	1350	51.6	39.3	23	1.9	1.0
	CV	35.1	2.0	6.6	11.6	26.9	26.7
	LSD (.05)	670	1.8	4.4	5	0.7	ns

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 46. 2010 SAN LUIS OBISPO RAINFED BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000	Plant Ht (in)	Net Blotch	Stripe Rust	
				Kernel Wt (g)			4/9/10	4/29/10
CULTIVARS								
603	UC 603	3690 (17)	51.8	39.4	33	1.0	1.0	1.0
816	MAX	3340 (22)	50.8	39.7	25	3.3	1.5	4.8
933	UC 933	4200 (7)	50.2	41.9	31	1.5	1.0	1.0
951	MELTAN	2730 (24)	56.4	40.6	24	2.8	1.0	1.3
969	UC 969	4410 (3)	53.8	40.9	36	2.5	1.8	1.0
1047	ISHI	4570 (2)	49.9	41.9	31	1.5	1.3	1.3
1134	TAMALPAIS	2990 (23)	57.5	36.4	25	2.5	1.3	2.0
ADVANCED LINES								
1231	UCD 08YP 111	4250 (5)	50.8	44.4	34	1.3	1.3	1.5
1232	UCD 08YP 301	4600 (1)	49.5	42.1	33	3.0	1.0	1.0
1236	UCD 08YP 258	4040 (11)	48.4	42.9	32	1.3	1.0	1.5
1248	UCD B99	4090 (10)	50.1	42.3	26	1.3	1.0	1.0
1249	UCD B110	4150 (9)	50.2	47.4	33	1.0	1.0	1.3
1250	UCD B102	3870 (14)	50.1	44.3	33	1.5	1.0	2.8
1251	UCD B103	3730 (16)	49.8	49.7	35	1.8	1.0	1.0
1252	UCD B156	4280 (4)	51.5	46.0	33	1.0	1.0	1.0
1253	UCD B98	3910 (12)	49.6	40.7	35	1.0	1.3	1.0
1254	UCD C284	4150 (8)	50.6	45.3	35	1.8	1.0	1.3
1255	UCD B369	3520 (21)	49.3	44.6	32	1.3	1.8	1.8
1256	UCD B398	3780 (15)	50.0	43.6	30	2.0	1.0	1.0
1257	UCD B47	3670 (18)	49.7	45.5	32	1.5	1.0	1.8
1258	UCD A34	3530 (20)	49.5	43.5	33	2.0	1.3	1.3
1259	UCD B366	3600 (19)	49.6	45.1	35	1.8	1.0	1.3
1260	UCD B372	3880 (13)	50.0	41.7	31	1.3	1.0	1.0
1261	UCD A237	4210 (6)	51.7	45.2	33	1.3	1.0	1.0
	MEAN	3900	50.7	42.6	31	1.7	1.1	1.4
	CV	8.4	1.5	2.7	6.7	43.1	45.8	39.5
	LSD (.05)	460	1.2	1.9	4	1.0	ns	0.8

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:

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.

Table 47. 2010 TULARE RAINFED BARLEY

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000 Kernel Wt (g)	Plant Ht (in)
<u>CULTIVARS</u>					
603	UC 603	2790 (20)	50.0	35.5	28
816	MAX	2230 (24)	55.1	48.1	17
933	UC 933	3890 (1)	50.6	40.4	30
951	MELTAN	3390 (7)	57.4	41.5	24
969	UC 969	3530 (3)	52.4	38.0	31
1047	ISHI	3400 (6)	50.9	39.9	26
1134	TAMALPAIS	3430 (5)	60.2	37.9	26
<u>ADVANCED LINES</u>					
1231	UCD 08YP 111	3220 (10)	50.7	44.3	30
1232	UCD 08YP 301	3850 (2)	49.8	40.1	29
1236	UCD 08YP 258	2610 (22)	51.1	43.6	27
1248	UCD B99	3450 (4)	51.1	40.2	25
1249	UCD B110	2920 (17)	51.0	47.2	27
1250	UCD B102	3110 (12)	50.5	45.1	28
1251	UCD B103	2860 (18)	51.0	47.8	30
1252	UCD B156	3260 (9)	51.5	44.8	28
1253	UCD B98	2740 (21)	52.3	40.3	25
1254	UCD C284	2840 (19)	50.6	42.8	27
1255	UCD B369	2960 (14)	50.4	45.0	29
1256	UCD B398	2950 (15)	50.6	44.9	27
1257	UCD B47	2550 (23)	51.3	44.3	29
1258	UCD A34	2950 (16)	51.1	46.7	29
1259	UCD B366	3200 (11)	50.2	46.8	30
1260	UCD B372	3350 (8)	50.6	43.2	27
1261	UCD A237	3010 (13)	51.5	42.7	25
	MEAN	3100	51.7	42.9	27
	CV	6.8	1.1	2.6	5.1
	LSD (.05)	300	1.2	2.3	3.0

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 48. 2010 Barley Stripe Rust Over Location Summary

Entry	Name	Stripe Rust				
		Mean (4 Loc)	UC Davis 12-May	UC Davis RF 12-May	Fresno 29-Apr	San Luis Obispo RF 28-Apr
<u>CULTIVARS</u>						
	603 UC 603	1.0 (1)	1.0	1.0	1.0	1.0
	816 MAX	3.9 (24)	3.8	2.8	3.8	4.8
	933 UC 933	1.0 (1)	1.0	1.0	1.0	1.0
	951 MELTAN	1.1 (12)	1.0	1.0	1.0	1.3
	969 UC 969	1.0 (1)	1.0	1.0	1.0	1.0
	1047 ISHI	1.1 (12)	1.0	1.0	1.0	1.3
	1134 TAMALPAIS	1.4 (20)	1.0	1.3	1.0	2.0
<u>ADVANCED LINES</u>						
	1231 UCD 08YP 111	1.2 (18)	1.3	1.0	1.0	1.5
	1232 UCD 08YP 301	1.0 (1)	1.0	1.0	1.0	1.0
	1236 UCD 08YP 258	1.4 (22)	1.5	2.0	1.0	1.5
	1248 UCD B99	1.0 (1)	1.0	1.0	1.0	1.0
	1249 UCD B110	1.1 (12)	1.0	1.0	1.0	1.3
	1250 UCD B102	1.6 (23)	1.0	1.3	1.0	2.8
	1251 UCD B103	1.0 (1)	1.0	1.0	1.0	1.0
	1252 UCD B156	1.0 (1)	1.0	1.0	1.0	1.0
	1253 UCD B98	1.0 (1)	1.0	1.0	1.0	1.0
	1254 UCD C284	1.1 (12)	1.0	1.0	1.0	1.3
	1255 UCD B369	1.3 (19)	1.0	1.0	1.0	1.8
	1256 UCD B398	1.0 (1)	1.0	1.0	1.0	1.0
	1257 UCD B47	1.4 (20)	1.8	1.0	1.0	1.8
	1258 UCD A34	1.1 (12)	1.0	1.0	1.0	1.3
	1259 UCD B366	1.1 (17)	1.0	1.3	1.0	1.3
	1260 UCD B372	1.0 (1)	1.0	1.0	1.0	1.0
	1261 UCD A237	1.0 (1)	1.0	1.0	1.0	1.0
	MEAN	1.2	1.1	1.1	1.1	1.4
	CV	36.1	24.8	45.7	16.0	39.5
	LSD (.05)	0.4	0.4	0.7	0.3	0.8

Rating scale for diseases (area of flag-1 leaf affected), lodging, shatter, blackpoint, and yellowberry:
 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.

Table 49. 2008-10 BARLEY OVER YEAR YIELD SUMMARY

Entry	Name	Sacramento Valley			San Joaquin Valley			Rainfed Tests		
		2010 (1 Loc)	2009-10 (2 Loc/Yr)	2008-10 (3 Loc/Yr)	2010 (1 Loc)	2009-10 (2 Loc/Yr)	2008-10 (3 Loc/Yr)	2010 (4 Loc)	2009-10 (8 Loc/Yr)	2008-10 (11 Loc/Yr)
<u>CULTIVARS</u>										
603	UC 603	5620 (24)	5470 (7)	5690 (4)	6050 (23)	6210 (7)	6110 (4)	3230 (22)	2730 (8)	2630 (4)
816	MAX	4910 (29)	4000 (10)	4690 (5)	5740 (26)	6630 (4)	6660 (2)	2720 (24)	2300 (10)	2090 (7)
933	UC 933	6900 (13)	5740 (4)	6490 (1)	6340 (19)	6230 (5)	6140 (3)	4190 (3)	3480 (2)	3190 (1)
951	MELTAN	5220 (28)	4330 (9)	4280 (6)	5360 (28)	5800 (9)	5410 (6)	3210 (23)	2660 (9)	2610 (6)
969	UC 969	5670 (23)	4970 (8)	4190 (7)	4700 (30)	5280 (10)	4880 (7)	3690 (17)	3070 (6)	2890 (3)
1047	ISHI	7260 (8)	5940 (2)	6240 (2)	7330 (7)	7100 (2)	7130 (1)	4400 (1)	3430 (3)	3080 (2)
1134	TAMALPAIS	6250 (19)	5530 (6)	6110 (3)	6430 (16)	6220 (6)	6010 (5)	3540 (20)	2960 (7)	2620 (5)
<u>ADVANCED LINES</u>										
1231	UCD 08YP 111	7790 (2)	6560 (1)		8080 (1)	7540 (1)		3930 (8)	3200 (5)	
1232	UCD 08YP 301	6800 (17)	5800 (3)		6380 (18)	6650 (3)		4360 (2)	3550 (1)	
1236	UCD 08YP 258	7080 (11)	5720 (5)		5300 (29)	6070 (8)		3960 (5)	3210 (4)	
1248	UCD B99	6810 (15)			7010 (10)			3730 (16)		
1249	UCD B110	7410 (6)			6990 (11)			3730 (15)		
1250	UCD B102	7070 (12)			7500 (4)			3910 (10)		
1251	UCD B103	6810 (16)			6390 (17)			3570 (18)		
1252	UCD B156	7550 (4)			7460 (5)			3930 (6)		
1253	UCD B98	6090 (20)			6320 (21)			3470 (21)		
1254	UCD C284	6860 (14)			6800 (13)			3860 (11)		
1255	UCD B369	6740 (18)			7300 (8)			3930 (7)		
1256	UCD B398	7210 (9)			7710 (2)			3820 (12)		
1257	UCD B47	7410 (5)			6330 (20)			3560 (19)		
1258	UCD A34	7160 (10)			7130 (9)			3780 (13)		
1259	UCD B366	7660 (3)			6940 (12)			3760 (14)		
1260	UCD B372	7290 (7)			7410 (6)			3910 (9)		
1261	UCD A237	7850 (1)			7530 (3)			4060 (4)		
1262	UCD C28	5820 (21)			6200 (22)					
1263	UCD C43	5790 (22)			6520 (15)					
1264	UCD C46	5390 (27)			5990 (24)					
1265	UCD C48	4730 (30)			5750 (25)					
1266	UCD C51	5390 (26)			6570 (14)					
1267	UCD C60	5440 (25)			5730 (27)					
	MEAN	6530	5450	5430	6580	6370	6070	3760	2990	2660
	CV	8.2	8.4	9.9	7.7	8.5	10.8	10.7	28.5	32.8
	LSD (.05)	750	460	440	710	550	660	280	450	410

Numbers in parentheses indicate relative rank in column.

Table 50. 2010 UC INTERMOUNTAIN SPRING BARLEY TEST

Entry	Name	Type	Parentage	Source
<u>CULTIVARS</u>				
204	STEPTOE	6RSF	WA3564/Unitan	WSU
900	BARONESSE	2RSF	[(Mentor x Minerva) x mut Vada] x [(Carlsberg x Union) x	WB
960	UC 960	6RSF	Sma1/SB401/3/Gus/KBY//Sma1	UCD
1010	MILLENNIUM	6RSF	UT87B603-1266/Short#2	USU
1016	STATEHOOD	6RSF	WA641566/Braken (UT1705-D)	USU
1082	CONRAD	2RSM	B1215/2B88-5336	BARI
1084	LEGACY	6RSM	6B86-3517/Excel	BARI
1217	AC Metcalfe	2RSM	AC Oxbow/Manley	AG Canada
<u>ADVANCED LINES</u>				
1099	UCD-TL20	6RSF	Colter/UC958	UCD
1135	UCD YP03-8/2	6RS(N)	F7 CMB 91A-1192-AL/UC 960	UCD/OSU
1145	UCD-TLB52	6RSF	Stander/UC960	UCD
1171	T/S/E 11-18	6RSM	Tango/Stander//Excel	OSU
1200	TLB 68	6RSF	Stander/UC 958//UC 960	UCD
1201	TLB 148	6RSF	UC960/4/UC958/3/UT81B275-248//SDSS/Primus	UCD
1202	TLB 150	6RSF	UC960/4/UC958/3/UT81B275-248//SDSS/Primus	UCD
1219	BZ502-265	2RSF	97-1115/Xena	WB
1268	UCD 1A	6RSF	STATEHOOD/UC 960 (F6)	UCD
1269	UCD 4A	6RSF	STATEHOOD/UC 960 (F6)	UCD
1270	UCD 15A	6RSF	STANDER/UC 960 (F6)	UCD
1271	UCD 22A	6RSF	CREEL/UC 960 (F6)	UCD
1272	UCD 1B	6RSF	UC 933/RSI 617//UC 1047	UCD
1273	UCD 3B	6RSF	UC 933/RSI 617//UC 1047	UCD
1274	UCD 4B	6RSF	UC 933/RSI 617//UC 1047	UCD
1275	UCD 6B	6RSF	UC 933/RSI 617//UC 1047	UCD
1276	UCD 7B	6RSF	UC 933/RSI 617//UC 1047	UCD
1277	UCD 9B	6RSF	RSI 617/ UC 937//UC 1047	UCD
1278	UCD 10B	6RSF	STUC B52	UCD

TYPE: 6RSF = 6-row spring feed; 6RSM = 6-row spring malt; 2RSF = 2-row spring feed; 2RSM = 2-row spring malt

SOURCE: AG Canada = Agricultural and Agri-foods, Canada; BARI = Busch Agricultural Resources, Inc.;

ID = University of Idaho, USDA/ARS, Aberdeen, ID; OSU = Oregon State University;

UCD = University of California, Davis; USU = Utah State University; WB = WESTBRED, LLC;

Table 51. 2010 LASSEN SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Lodging Harvest
				Kernel Wt (g)	Plant Ht (in)		
<u>CULTIVARS</u>							
204	STEPTOE	5890 (4)	51.9	49.7	42	1.0	1.3
900	BARONESSE	5280 (12)	55.5	46.2	40	1.0	1.0
960	UC 960	5080 (16)	48.2	44.1	25	1.0	1.0
1010	MILLENNIUM	4520 (24)	52.3	40.8	37	1.0	1.0
1016	STATEHOOD	4690 (20)	51.4	48.9	39	1.3	1.0
1082	CONRAD	5300 (10)	55.1	46.2	38	1.0	1.0
1084	LEGACY	4540 (22)	53.1	38.7	43	1.7	1.3
1217	AC Metcalfe	4230 (27)	55.9	45.1	38	1.3	1.0
<u>ADVANCED LINES</u>							
1099	UCD-TL20	4410 (26)	49.2	43.2	31	1.0	1.0
1135	UCD YP03-8/2	4480 (25)	50.8	42.2	26	1.0	1.0
1145	UCD-TLB52	4530 (23)	50.5	41.6	36	1.0	1.0
1171	T/S/E 11-18	4600 (21)	54.3	40.1	39	1.0	1.0
1200	TLB 68	5940 (3)	49.9	48.6	37	1.0	1.0
1201	TLB 148	5290 (11)	50.1	49.7	33	1.0	1.0
1202	TLB 150	4790 (18)	47.8	42.5	32	1.0	1.0
1219	BZ502-265	5050 (17)	55.0	48.1	38	1.0	1.0
1268	UCD 1A	5530 (8)	47.5	44.2	29	1.0	1.0
1269	UCD 4A	5100 (15)	48.2	48.8	35	1.0	1.0
1270	UCD 15A	5120 (14)	49.3	44.5	31	1.0	1.0
1271	UCD 22A	5260 (13)	50.7	39.9	33	1.0	1.0
1272	UCD 1B	5610 (6)	48.8	46	34	1.0	1.0
1273	UCD 3B	5430 (9)	49.4	44.9	34	1.0	1.0
1274	UCD 4B	6060 (2)	48.8	43.7	32	1.0	1.0
1275	UCD 6B	5760 (5)	48.4	46.8	33	1.0	1.0
1276	UCD 7B	4730 (19)	48.4	45.9	34	1.0	1.0
1277	UCD 9B	6070 (1)	49.3	47.4	32	1.0	1.0
1278	UCD 10B	5530 (7)	51.0	42.5	41	1.0	1.0
	MEAN	5140	50.8	44.8	35.0	1.0	1.0
	CV	10.8	1.0	3.5	6.8	18.2	15.5
	LSD (.05)	910	1.1	3.2	5.0	0.3	ns

Numbers in parentheses indicate relative rank in column.

Table 52. 2010 SISKIYOU SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	1000		Shatter	Lodging Harvest
				Kernel Wt (g)	Plant Ht (in)		
<u>CULTIVARS</u>							
204	STEPTOE	5270 (23)	51.8	45.1	38	1.0	8.0
900	BARONESSE	4860 (24)	53.2	47	41	5.5	6.5
960	UC 960	6420 (11)	51.7	46.2	35	1.0	1.5
1010	MILLENNIUM	7300 (1)	53.5	41.2	39	1.0	1.0
1016	STATEHOOD	6270 (14)	51.5	47	38	1.0	2.0
1082	CONRAD	5340 (22)	52.3	42.3	35	1.0	8.0
1084	LEGACY	4830 (25)	52.8	37	44	1.0	8.0
1217	AC Metcalfe	3890 (27)	54.7	46.5	44	4.0	7.0
<u>ADVANCED LINES</u>							
1099	UCD-TL20	6620 (7)	52.3	44.1	37	1.0	2.0
1135	UCD YP03-8/2	5730 (20)	54.8	45.1	31	1.0	1.5
1145	UCD-TLB52	6560 (9)	52.0	44.6	38	1.0	5.5
1171	T/S/E 11-18	5540 (21)	53.1	39.4	40	1.0	5.5
1200	TLB 68	5780 (18)	50.4	47.4	34	1.0	3.0
1201	TLB 148	7060 (3)	51.3	50	38	1.0	3.0
1202	TLB 150	5750 (19)	49.5	43.7	37	1.0	1.5
1219	BZ502-265	4540 (26)	53.8	47	40	1.5	6.5
1268	UCD 1A	6940 (4)	50.2	45.7	32	1.0	1.5
1269	UCD 4A	6000 (15)	50.1	44.6	35	1.0	2.5
1270	UCD 15A	6340 (12)	49.6	40	37	1.0	6.0
1271	UCD 22A	6480 (10)	53.1	42	38	1.0	1.0
1272	UCD 1B	6730 (6)	52.0	48	31	1.0	1.5
1273	UCD 3B	5900 (17)	50.8	45.1	36	1.5	4.0
1274	UCD 4B	7130 (2)	51.5	46.8	34	1.0	2.0
1275	UCD 6B	6790 (5)	51.3	47.3	37	1.0	2.5
1276	UCD 7B	6280 (13)	51.8	49.9	38	1.0	1.5
1277	UCD 9B	5960 (16)	51.3	47.4	34	1.0	3.5
1278	UCD 10B	6600 (8)	52.5	44	40	1.0	5.0
	MEAN	6030	52.0	45	37.0	1.3	3.8
	CV	9.9	1.3	3.3	7.3	44.8	52.3
	LSD (.05)	970	1.4	3.1	6.0	1.2	4.0

Numbers in parentheses indicate relative rank in column.

Table 53. 2010 TULELAKE SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	1000			Lodging Harvest
			Test Wt (lbs/bu)	Kernel Wt (g)	Plant Ht (in)	
<u>CULTIVARS</u>						
204	STEPTOE	4800 (6)	50.2	46.9	31	1.0
900	BARONESSE	5550 (1)	54.7	49.3	34	1.7
960	UC 960	3980 (26)	48.1	43.5	24	1.3
1010	MILLENNIUM	5350 (2)	50.1	43	32	1.0
1016	STATEHOOD	4220 (19)	48.3	44	31	1.0
1082	CONRAD	5120 (3)	54.9	46.7	31	1.0
1084	LEGACY	4080 (22)	52.5	40.1	36	1.0
1217	AC Metcalfe	5080 (4)	54.4	47.6	34	1.0
<u>ADVANCED LINES</u>						
1099	UCD-TL20	4350 (16)	49.4	44.2	28	1.0
1135	UCD YP03-8/2	3480 (27)	53.8	40.2	24	1.0
1145	UCD-TLB52	4310 (17)	50.4	44.7	31	1.0
1171	T/S/E 11-18	5000 (5)	51.3	38.5	31	1.0
1200	TLB 68	4010 (25)	47.6	45.5	27	1.0
1201	TLB 148	4700 (9)	47.9	49.8	28	1.0
1202	TLB 150	4390 (14)	46.3	44.4	31	1.0
1219	BZ502-265	4780 (7)	53.1	48.7	33	1.0
1268	UCD 1A	4700 (8)	47.1	45.7	23	1.0
1269	UCD 4A	4130 (20)	48.3	47.6	26	1.0
1270	UCD 15A	4380 (15)	48.9	45	24	1.0
1271	UCD 22A	4520 (12)	51.2	42.7	29	1.0
1272	UCD 1B	4100 (21)	47.1	46.1	25	1.0
1273	UCD 3B	4080 (23)	48.3	44.6	28	1.0
1274	UCD 4B	4240 (18)	48.1	44.6	27	1.0
1275	UCD 6B	4050 (24)	48.2	45.8	29	1.0
1276	UCD 7B	4530 (11)	47.3	47.5	28	1.0
1277	UCD 9B	4450 (13)	47.8	45.9	26	1.0
1278	UCD 10B	4650 (10)	50.6	44.3	31	1.0
	MEAN	4480	49.8	45.1	29.0	1.0
	CV	9.9	1.3	3.1	5.0	15.0
	LSD (.05)	730	1.3	2.9	2.0	0.3

Numbers in parentheses indicate relative rank in column.

Table 54. 2010 AND 2008-10 INTERMOUNTAIN SPRING BARLEY YIELD SUMMARY

Entry	Name	2010 (3 Loc)	2009-10 (5 Loc/Yr)	2008-10 (7 Loc/Yr)
<u>CULTIVARS</u>				
204	STEPTOE	5320 (10)	5070 (4)	5250 (10)
900	BARONESSE	5230 (14)	4590 (12)	4760 (13)
960	UC 960	5160 (16)	5340 (3)	6060 (3)
1010	MILLENNIUM	5720 (2)	5660 (2)	6200 (2)
1016	STATEHOOD	5060 (21)	5020 (5)	5610 (5)
1082	CONRAD	5250 (12)	4630 (11)	5030 (11)
1084	LEGACY	4490 (26)	4230 (14)	4570 (15)
1217	AC Metcalfe	4400 (27)	4010 (16)	4140 (16)
<u>ADVANCED LINES</u>				
1099	UCD-TL20	5130 (19)	4790 (10)	5400 (9)
1135	UCD YP03-8/2	4560 (25)	4930 (6)	5630 (4)
1145	UCD-TLB52	5130 (18)	4860 (8)	5520 (6)
1171	T/S/E 11-18	5050 (22)	4480 (13)	4930 (12)
1200	TLB 68	5240 (13)	4890 (7)	5480 (7)
1201	TLB 148	5680 (4)	5690 (1)	6270 (1)
1202	TLB 150	4980 (23)	4840 (9)	5430 (8)
1219	BZ502-265	4790 (24)	4160 (15)	4700 (14)
1268	UCD 1A	5720 (3)		
1269	UCD 4A	5070 (20)		
1270	UCD 15A	5280 (11)		
1271	UCD 22A	5420 (9)		
1272	UCD 1B	5480 (8)		
1273	UCD 3B	5140 (17)		
1274	UCD 4B	5810 (1)		
1275	UCD 6B	5530 (6)		
1276	UCD 7B	5180 (15)		
1277	UCD 9B	5490 (7)		
1278	UCD 10B	5590 (5)		
	MEAN	5220	4830	5420
	CV	10.3	14.9	16.8
	LSD (.05)	500	520	530

Numbers in parentheses indicate relative rank in column.