

Agronomy Research and Information Center
AGRONOMY PROGRESS REPORT
Agricultural Experiment Station Cooperative Extension



October 2011 – No. 304

2011 REGIONAL BARLEY, COMMON WHEAT AND TRITICALE, AND DURUM WHEAT PERFORMANCE TESTS IN CALIFORNIA¹

P. Mayo¹, D. Prato³, J. Fraser¹, L. Jackson⁴, L.W. Gallagher², O. Chicaiza², Z. Abate², F.T. Maciel¹, G. Banuelos⁶, D. Kirby⁵, R. Wilson⁷, D. Marcum⁷, B. Marsh⁷, S. Orloff⁷, J. Schmierer⁷, S. Wright⁷ and J. Dubcovsky².

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 2011. 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 (33 entries) was evaluated at 8 sites and spring-sown spring barley (50 entries) was evaluated at three sites. Fall-sown winter wheat (45 entries) was evaluated at one site; fall-sown spring wheat and triticale (44 entries total), at 10 sites (not all entries were evaluated at all sites); and spring-sown spring wheat (41 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 spring-sown spring barley 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 2011 consisted of 749,000 acres of wheat (including 108,000 acres of durum), 100,000 acres of barley, and 200,000 acres of oat (http://www.nass.usda.gov/QuickStats/Create_Federal_All.jsp). Total 2011 estimated wheat planted in California was approximately 13% higher than last year's estimated plantings. White and Red variety acreage increased by approximately 12%, and durum wheat by 27%.

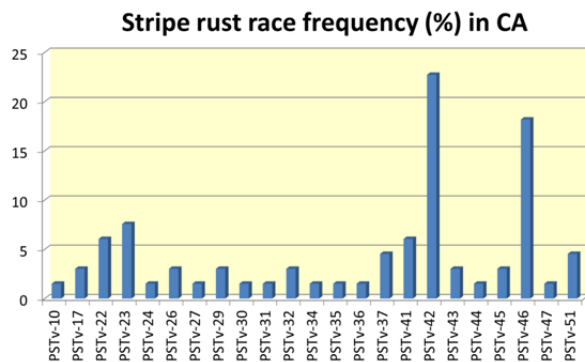
¹These tests were conducted by the UC Davis Department of Plant Sciences. Land for the tests, the grain produced and other facilities were contributed by cooperating growers identified in Table 1. Quality evaluations were provided by the California Wheat Commission (CWC) quality laboratory. The assistance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

¹Staff Research Associate, ²Geneticist/Breeder, ³Lab Assistant, Dept. of Plant Sciences, UC Davis, ⁴Extension Specialist (Retired), ⁵Staff Research Associate, UC IREC, Tulare, ⁶Staff Research Associate, UCCE, Tulare/Kings, and ⁷UC Cooperative Extension Farm Advisors at UC IREC, Lassen, Kern, Glenn, Siskiyou, Colusa, and Kings/Tulare counties, respectively.

COMMON WHEAT: Red wheat estimated planted acreage was 520,600 acres and white wheats were planted in 120,400 acres (75,500 acres of hard white and the rest soft whites). Overall, Joaquin, PR1404 and Cal Rojo topped the list of hard red varieties planted throughout the state. Blanca Grande 515 (San Joaquin Valley) and WB Cristalino (Sacramento Valley) had the largest acreage of Hard White wheat. Soft white wheat plantings (44,900 acres) were 68% higher than in 2010.

DESERT DURUM®: Desert Durum® wheat plantings were approximately 87,000 acres in Southern CA and 21,000 acres in the San Joaquin Valley region. Orita, Desert King, and Havasu were the predominant varieties planted in Imperial Valley this year, whereas Platinum dominated plantings in San Joaquin Valley. <http://www.californiawheat.org/uploads/resources/355/varsurvey2011.pdf>

In 2011, temperatures continued to be cooler than average; slightly cooler than last year. On average, there was less rainfall than last year; however, the timing of the rains proved to be an obstacle for many trials. Early rains resulted in root rot in some locations and the late rains pushed harvest back up to 3 weeks in some areas. Our rainfed trials once again benefitted from the higher than average amount of rainfall with great stands and higher than average yields. The high rainfall and cool temperatures led to high amounts of disease, mainly stripe rust on known susceptible lines and one of the highest years for severity of powdery mildew.



The 2010 stripe rust race analysis was performed by Dr. X. Chen using 66 stripe rust samples collected in California from infected wheat varieties. Twelve different races were identified and their frequencies are presented in Figure 1. Approximately 40 % of the samples were classified as races PsTv-42 (23%) and PSTv-46 (18%). The other 60% included multiple minor races with less than 10 % frequency (Fig 1).

In addition, 11 samples of barley leaves infected with yellow rust from California were analyzed for race identification. Six different races were identified, with races PSH.54, PSH-46 & PSH-52 showing the highest frequencies.

COMMON WHEAT

Fall-sown spring wheat and triticale: The fall-sown spring wheat and triticale test contained 44 entries (20 wheat cultivars, 19 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 10 sites, 7 irrigated and 3 rainfed. Not all entries were grown in all locations. In two replications at the Kings irrigated trials, some of the plots suffered leaf damage from ammonia toxicity due to a leak of anhydrous ammonia from a storage tank. Yields did not appear to be negatively affected. (Table 7) In Clarksburg, excessive rainfall in the early part of the growing season, led to soil saturation and root rot on the first two replications. Only the last 2 replications were harvested from this trial (Table 10) Yields in Imperial were lower than historical average values, likely due to suboptimal irrigation, but the relative order of the varieties is still informative of their yield potential (Table 9).

Yield potential: In 2011, average grain yields ranged from 4,370 lb/acre in Imperial Valley and at the UC Davis Rainfed Site to 7,080 lb/acre at the Kings site. In the Sacramento Valley, Blanca Fuerte and 06SB100-B were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding

triticale variety. In the San Joaquin Valley, Cal Rojo and Redwing were the two highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale. In the Imperial Valley, Blanca Fuerte and Joaquin were the highest yielding wheat varieties and Trical Brand 105 was the highest yielding triticale. Among the rainfed trials, Redwing, Blanca Royale, and Lassik were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale variety. (Table 19)

When the three year period from 2009 to 2011 is considered, in the Sacramento Valley, Blanca Fuerte and Redwing were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale variety. In the San Joaquin Valley (2009-11), Redwing and Cal Rojo were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale. In the Imperial Valley (2009-11), Blanca Fuerte and Anza were the highest yielding wheat varieties and Trical Brand 105 was the highest yielding triticale. In the rainfed trials (2009-11), Blanca Fuerte and Redwing were the highest yielding wheat varieties and Trical Brand 118 was the highest yielding triticale. (Table 19)

Disease resistance: Most stripe rust infections observed in 2011 were on known susceptible lines, Joaquin and WB-Paloma. Less severe infections were detected in a few locations on varieties Redwing and Ultra. (Tables 13-14)

Quality: Grain protein content was measured from three sites in the Sacramento Valley and three sites in the San Joaquin Valley. Average grain protein content ranged from 11.2% to 14.0% for samples from the Sacramento Valley and from 10.8% to 13.9% for samples from the San Joaquin Valley. Out of the released varieties, WB-Rockland had the highest average grain protein content overall. Among experimental lines, Kern 515HP2NS had the highest overall protein content (Table 15). The evaluation of the protein data needs to take into account the yield potential of the lines since lines with low yield tend to have higher grain protein content. Quality evaluations (conducted by the California Wheat Commission laboratory) of samples from Kings (Table 16), Davis (Table 17), and Imperial (Table 18) show that established varieties Express, Mika, Clear White, Patwin, Joaquin, Cal Rojo, Espresso, Redwing, WB-Cristallo, Ultra, and WB-Rockland, and several experimental breeding lines produced high loaf volume and very good to excellent overall bread scores (scores 4 and 5).

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 45 entries (16 cultivars and 29 advanced lines). Due to rain, we were not able to plant in Siskiyou and therefore, this test was only evaluated at one site, Tulelake (Modoc County). Entries in the test, type, background, and seed sources are shown in Tables 25. The average yield in Tulelake in 2011 was 8540 lb/acre. The highest yielding lines were 96-16702A and Legion. (Table 26)

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). Six additional lines were added to the test. The test contained 41 entries (24 cultivars and 17 advanced lines, Table 20), and was evaluated at three sites (Tables 21-23). Average grain yields ranged from 4,130 lb/acre in Lassen to 7,730 lb/acre in Tulelake. Alpowa was the highest yielding at the Lassen site. IDO 687 was the highest yielding variety in Tulelake and Siskiyou. Overall in 2011 IDO 687 was the highest yielding wheat among the three (Siskiyou, Lassen, and Tulelake) sites (Table 24).

DURUM WHEAT

The durum wheat test contained 38 entries (18 cultivars and 20 advanced lines). Entries in the test, their backgrounds, and seed sources are shown in Table 27. Yield, agronomic performance, and quality data are given in Tables 28-38. In the yield trials at Kings, some of the plots suffered similar damage from

ammonia toxicity as the one described for the common wheat trial in the same location. Yield was apparently not negatively affected. (Table 30) At the Boswell Ranch (Kern) heavy rain caused the field to flood and washed the shallowly planted wheat seed from the surrounding field into the durum trial, while at the same time over-watering the durum which caused poor stands from many of the plots. (Table 31). Yields in Imperial were lower than the historical average values, likely due to suboptimal irrigation, but the relative order of the varieties is still informative of their yield potential. (Table 32)

Yield potential: Average grain yields ranged from 5,210 lb/acre at Imperial to 8,360 lb/acre at Kings. D1-7AL and UC 1690 were the highest yielding varieties in the San Joaquin Valley, and RS001 and Havasu were the highest yielding varieties in the Imperial Valley. Among the varieties that have been tested over the last three years (2009-11), Westmore and D1-2 have been the highest yielding varieties in the San Joaquin Valley, and Tipai and D1-2 have been the highest yielding varieties in the Imperial Valley. (Table 38).

Quality: Grain protein content of samples from four sites in the Central Valley and the Imperial site was measured and are reported in Table 33. Average grain protein content ranged from 10.6% to 13.0% for samples from the Central Valley, and from 14.3% to 18.0% for samples from the Imperial site (unusually high grain protein content values reflect the unusually low yields). Quality evaluations (conducted by the California Wheat Commission Laboratory) of samples from the Kings, Imperial, and Davis sites (Tables 34-36) showed that samples of 10 entries from the Imperial site and 5 entries from the Kings site had good to excellent pasta color scores (scores of 9-10).

BARLEY

Fall-sown spring barley: The fall-sown spring barley test contained 33 entries (8 cultivars and 25 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 39. Yield and agronomic performance data are given in tables 40-49. Average yields ranged from 2,330 lb/acre at the Chico site to 6,880 lb/acre at the Davis irrigated site. In 2011, UCD B369 and UCD B372 were the highest yielding lines in the Sacramento Valley. In the San Joaquin Valley, UCD 1286 and UCD A237 were the highest yielding lines, and in the Rainfed sites, UCD B398 and UCD B156 were the highest yielding lines (Table 49).

Chico was planted late (2/10/11) due to early rains and plot stands were fair. There was severe ryegrass competition at one end of the field resulting in relatively low yields (Table 42). In Clarksburg, excessive rainfall in the early part of the growing season, led to soil saturation. This saturation caused severe root rot on roughly half of the trial. This root rot and weed competition led us to only harvest the 3rd and 4th replications of the trial as the 1st and 2nd reps would not have provided clear results. (Table 46) In San Luis Obispo, there was minor frost damage on many plots and an infestation of wild oats that was particularly dense in the 12th and 13th tiers (Table 44).

Spring-sown spring barley: The Intermountain spring barley test included commonly grown cultivars as well as advanced lines from UCD. Also included in the Tulelake trial were some recently recommended malting lines from the American Malting Barley Association (AMBA) and lines from the Western Regional Spring Barley Nursery (WRSBN). In all, the Spring Barley test contained 50 entries (21 cultivars and 29 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 3,510 lb/acre in Lassen to 6,530 lb/acre in Tulelake. In 2011 as well as over the three year period from 2009-2011, TLB 148 and Millennium were the two highest yielding lines in the intermountain area.

List of Tables

Table 1. Site Characteristics For UC Regional Cereal Evaluation Tests, 2011	Page 6
Common Wheat	
Table 2. 2011 UC Regional Common Wheat & Triticale Entry List	Page 7
Table 3. 2011 Colusa Common Wheat & Triticale	Page 8
Table 4. 2011 UC Davis Common Wheat & Triticale	Page 9
Table 5. 2011 Sacramento/San Joaquin Delta Common Wheat & Triticale	Page 10
Table 6. 2011 Fresno Common Wheat & Triticale	Page 11
Table 7. 2011 Kings Common Wheat & Triticale	Page 12
Table 8. 2011 Kern Common Wheat & Triticale	Page 13
Table 9. 2011 Imperial Common Wheat & Triticale	Page 14
Table 10. 2011 Rainfed Clarksburg Common Wheat & Triticale	Page 15
Table 11. 2011 Rainfed Tulare Common Wheat & Triticale	Page 16
Table 12. 2011 Rainfed UC Davis Common Wheat & Triticale	Page 17
Table 13. 2011 Stripe Rust Summary Common Wheat & Triticale	Page 18
Table 14. 2011 Stripe Rust Summary Rainfed Common Wheat & Triticale	Page 19
Table 15. 2011 Common Wheat Grain Protein Summary	Page 20
Table 16. 2011 Kings Common Wheat Quality	Page 21
Table 17. 2011 Davis Common Wheat Quality	Page 22
Table 18. 2011 Imperial Common Wheat Quality	Page 23
Table 19. 2009-11 Common Wheat & Triticale Yield Summary	Page 24
Table 20. 2011 Intermountain Spring Wheat Entry List	Page 25
Table 21. 2011 Lassen Intermountain Spring Wheat	Page 26
Table 22. 2011 Tulelake Intermountain Spring Wheat	Page 27
Table 23. 2011 Siskiyou Intermountain Spring Wheat	Page 28
Table 24. 2011 Intermountain Spring Wheat Yield Summary	Page 29
Table 25. 2011 Intermountain Winter Wheat Entry List	Page 30
Table 26. 2011 Tulelake Intermountain Winter Wheat	Page 31
Durum Wheat	
Table 27. 2011 UC Regional Durum Wheat Entry List	Page 32
Table 28. 2011 UC Davis Durum Wheat	Page 33
Table 29. 2011 Fresno Durum Wheat	Page 34
Table 30. 2011 Kings Durum Wheat	Page 35
Table 31. 2011 Kern Durum Wheat	Page 36
Table 32. 2011 Imperial Durum Wheat	Page 37
Table 33. 2011 Durum Wheat Grain Protein Summary	Page 38
Table 34. 2011 Kings Durum Wheat Quality	Page 39
Table 35. 2011 Imperial Durum Wheat Quality	Page 40
Table 36. 2011 Davis Durum Wheat Quality	Page 41
Table 37. 2011 Durum Wheat Stripe Rust Summary	Page 42
Table 38. 2009-11 Durum Wheat Yield Summary	Page 43
Barley	
Table 39. 2011 UC Regional Barley Entry List	Page 44
Table 40. 2011 Fresno Barley	Page 45
Table 41. 2011 UC Davis Barley	Page 46
Table 42. 2011 Chico Barley	Page 47
Table 43. 2011 Rainfed Tehama Barley	Page 48
Table 44. 2011 Rainfed San Luis Obispo Barley	Page 49
Table 45. 2011 Rainfed Tulare Barley	Page 50
Table 46. 2011 Rainfed Clarksburg Barley	Page 51
Table 47. 2011 Rainfed UC Davis Barley	Page 52
Table 48. 2011 Barley Stripe Rust Summary	Page 53
Table 49. 2009-11 Barley Yield Summary	Page 54
Table 50. 2011 Intermountain Spring Barley Entry List	Page 55
Table 51. 2011 Lassen Intermountain Spring Barley	Page 56
Table 52. 2011 Siskiyou Intermountain Spring Barley	Page 57
Table 53. 2011 Tulelake Intermountain Spring Barley	Page 58
Table 54. 2009-11 Intermountain Spring Barley Yield Summary	Page 59

Table 1. SITE CHARACTERISTICS FOR UC REGIONAL CEREAL EVALUATION TESTS, 2011

LOCATION	TESTS	SOWING DATE	SOIL TYPE	2010 CROP	FERTILIZATION	IRRIGATION	RAIN year (in)
REGIONAL:							
Butte Co., Sierra Nevada Brewing Chico	Barley	2/10/2011	Chico loam	Barley	113.9 lb/acre sulfate of potash; 265 lb/acre 12-3-0 True Organic feather pellets; 10 lb/acre Granubor 14.3%	Sprinkler 2X (3" total)	4.8
Colusa Co., Erdman Farm, Grimes	Wheat	11/4/10	Scribner silt loam	Tomatoes	80# 11-52-0 with seed 120-125# N (NH ₃)	None	20.4
Fresno Co., UC Westside REC, Five Points	Wheat Durum Barley	11/30/10	Panoche Clay loam	Tomatoes	80# 11-52-0 with seed 120# N (Urea) preplant Topdress: 50# N (urea) at tillering; 40# N (urea) at boot stage	Barley: Flood 3X (18" total) Wheat:Flood 4X (24" total)	9.8
Imperial Co., UC Desert REC, El Centro	Wheat Durum	12/15/10	Imperial-Glenbar silty clay loam	Alfalfa	120# N (urea), 100# P ₂ O ₅ preplant, 310# N (anhydrous ammonia in 4 irrigations)	Flood 5X (40" total)	0.8
Kern Co., J.G. Boswell Co. Buena Vista Ranch Old River	Wheat Durum	12/8/10	Miltox Clay and Zalvidea Sandy loam	Cotton	80# 11-52-0 with seed Preplant: 400 lb/acre 5.5-26-31, 175# N (NH ₃); between 3 irrigations; 35# N (UN 32) in 1 irrigation	Flood: 5X (40" total) 107# N (NH ₃)	7.1
Kings Co., Boyets Farms Corcoran	Wheat Durum	12/1/10	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: 4X (28" total)	9.8
San Joaquin Co, Victoria Island Farms Sac-San Joaquin Delta (Stockton)	Wheat	1/25/11	Egbert muck	Onions	200# 11-52-0 Preplant; 100# Urea topdress 80# 11-52-0 with seed	Furrow 2X (6" total)	6.0
San Luis Obispo Co., White Ranch Shandon	Barley	12/2/10	Pico-San Emigdio-Sorrento loamy sand to fine sand	Fallow	60# 11-52-0 with seed	None	12.5
Tehama Co., Endres Ranch Corning	Barley	1/27/11	Nacimiento/Altamont complex	Fallow	80# 11-52-0 with seed 80# N (aqua) with 2% sulfur preplant	None	9.0
Tulare Co., Changala Farms Ducor	Wheat Barley	12/1/10	Centerville clay	Fallow	60# 11-52-0 with seed Topdress: 50# N (urea) at tillering; 40# N (urea) at boot stage	None	3.7
Yolo Co., UC Davis Agr. Farm Davis	Wheat Durum Barley RF Wheat RF Durum RF Barley	1/10/11	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)	Wheat: Flood 1X (10" total) Barley: none	21.4
Yolo Co., Joe Perry Farm Clarksburg	RF Wheat RF Barley	11/5/2010	Clay loam class 3	Safflower	50# N (urea) Preplant; 130# N (aqua) topdress; 100 lb/acre 4-21-36 topdress	None	20.6
INTERMOUNTAIN:							
Siskiyou Co., Bryan/Morris Ranch Fort Jones	Wheat Barley	4/14/11	Heavy Silky loam	Orchard Grass Grass	80# 11-52-0 with seed 120#N preplant - urea/amonioum sulfate - 50/50; 100 lb/acre MESZ 12-45-0- (9" total) 10-1 ; 150 lb/acre potash 0-0-60; Urea 46#N	Sprinkler 9X	4.6
Lassen Co., Sierra-Cascade Nursery Susanville	Wheat Barley	5/5/11	Sandy loam	Strawberries	400# ammonium sulfate after germination	Sprinkler 7X (16" total)	4.8
Siskiyou Co., UC Intermountain REC, Tulelake	Winter Wheat	11/16/10	Tule basin mucky silty clay loam	Sudan grass	100# N (aqua)	Sprinkler (16" total)	8.7
Siskiyou Co., UC Intermountain REC, Tulelake	Barley Wheat	5/4/11	Tule basin mucky silty clay loam	Alfalfa	100# N (aqua) 130# N (aqua)	Sprinkler: Barley 16" total Sprinkler: Wheat 16" total	1.1

2011 UC REGIONAL COMMON WHEAT AND TRITICALE ENTRY LIST

Entry	Name	Type	Parentage	Source	Grown At
CULTIVARS					
20	ANZA	HRS	LR/N10B//3*ANE	UC	ALL
112	YECORA ROJO	HRS	(CNO*SON64-KLRE)8156	UC	ALL
474	DIRKWIN	SWS	TWIN/TRIPLE DIRK	BAGLIETTO	ALL
788	EXPRESS	HRS	VEE-BH1146	WB	ALL
1340	MIKA	HRS	MSFRS HRS QUALITY POPULATION	WWW	ALL
1361	CLEAR WHITE	HWS	[(C113232xR50)xANZA,UC355]xSGY022/MAYA-NAC	UC	ALL
1419	PATWIN	HWS	MADSEN/2*EXPRESS	UC	ALL
1424	JOAQUIN	HRS	ELDON/YU994-199	WB	ALL
1478	CAL ROJO	HRS	CMT1171-4//PFAUS/VEE#5/3/BONUS	RSI	ALL
1495	LASSIK	HRS	ANZA (<i>Gpc-B1</i> ; 2NS; <i>Glu-A1</i> subunit 1, <i>Glu-D1</i> subunit 5+10)	UC	ALL
1500	EXPRESSO	HRS	Express 6*/YR15 Avocet/Express 6*/Madsen	WB	ALL
1521	REDWING	HRS	CMT Synthetic/1065-3/3/UCSR/PB775// Express	RSI	ALL
1522	BLANCA ROYALE	HWS	CLEO/2INIA/W444/3/DWL5046/2*CELAYA/4/UCSR/PB775/5/STANDER	RSI	ALL
1523	BLANCA FUERTE	HWS	SERRA/4/VS73.600/MRL/3/BOW//YR/TRF/5/RSI5/6/PH989-188/1065-3	RSI	ALL
1526	PR 1404	FOR	MELCHIOR/EMU	WB	FRESNO, KINGS, KERN, DAVIS
1548	WB-CRISTALLO	HWS	STANDER/EXPRESS//PLATA	WB	ALL
1550	TRIPLE IV	HRS		WB	FRESNO, KINGS, KERN, DAVIS
1590	ULTRA	HRS		RSI	ALL
1605	WB-PALOMA	HWS	SNOW CREST/WAIKEA	WB	ALL
1650	WB-ROCKLAND	HRS	(Previous WB SJ908-247) BC1 SOLANO YR15, YR17	WB	ALL
ADVANCED LINES					
1657	BLANCA GRANDE 515	HWS	Blanca Grande Yr5, Yr15	RSI	ALL
1658	SUMMIT 515	HRS	Summit Yr5, Yr15	RSI	IRRIGATED CENTRAL VALLEY
1667	NEW DIRKWIN	SWS	Dirkwin Yr5, Yr15, 2NS	BAGLIETTO	ALL
1679	CLEAR WHITE 515HP2NS	HWS	Clear White 515 HP Yr5, Yr15, 2NS, Gpc	UC	ALL
1680	PATWIN 515	HWS	PATWIN Yr5, Yr15	UC	ALL
1681	PATWIN 5	HWS	PATWIN Yr5	UC	ALL
1682	KERN 515HP2NS	HRS	KERN Yr5, Yr15, Gpc, 2NS	UC	ALL
1683	UC 1683	HWS	UC1110 5+10, Yr5, Yr15, Gpc	UC	ALL
1684	CABR3509W	HWS		WWW	ALL
1685	BR5874	HRS		WWW	ALL
1686	08SB100	HRW		LIMAGRAIN	ALL
1687	06SB100-B	HWW		LIMAGRAIN	ALL
1688	08SB0658-B	HWW		LIMAGRAIN	ALL
1699	W5-46ML	HRS	Summit X MSFRS pops	APB	ALL
1700	W-14AL	HWS	Blanca Grande & Plata)(MSFRS Pops	APB	ALL
1703	05W90192	HRS		RSI	ALL
1704	05W90314	HRS		RSI	IRRIGATED CENTRAL VALLEY
1705	05W90818	HWS		RSI	IRRIGATED CENTRAL VALLEY
1706	03W10068	HRS		RSI	IRRIGATED CENTRAL VALLEY
TRITICALE					
3097	TRICAL BRAND 105	TRIT	FARAS/BUL	RSI	ALL
3156	TRICAL BRAND 118	TRIT	AR/SPY6//11TSN 79-3/C2/3/TCL7/TCL50-1	RSI	ALL
3166	05T14058	TRIT		RSI	IRRIGATED CENTRAL VALLEY
3167	05T14084	TRIT		RSI	ALL
3168	CAMELOT	TRIT		RSI	ALL

44 ENTRIES

TYPE: HRS = Hard Red Spring; HWS = Hard White Spring; HRW = Hard Red Winter; HWW = Hard White Winter; TRIT = 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
 BAGLIETTO = Baglietto Seeds, Inc.; LIMAGRAIN = Limagrain Seeds

2011 COLUSA COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Stripe Rust 4/25	Leaf Rust 4/25	Septoria 4/25	Protein %
				Kernel Wt (g)	Plant Ht (in)					
<u>CULTIVARS</u>										
	20 ANZA	4520 (29)	55.9	29.1	34	7.0	2.0	1.0	4.5	11.17
	112 YECORA ROJO	3610 (31)	57.5	39.3	29	6.5	6.0	1.8	7.3	13.52
	474 DIRKWIN	1910 (36)	51.9	29.8	39	6.0	5.0	3.8	3.5	11.06
	788 EXPRESS	5570 (17)	59.7	37.8	33	5.0	2.8	2.3	5.0	12.36
	1340 MIKA	3220 (33)	53.5	32.7	40	5.5	3.8	3.0	5.3	13.51
	1361 CLEAR WHITE	4620 (27)	57.8	36.7	31	1.8	1.0	1.0	7.3	12.70
	1419 PATWIN	6160 (13)	60.1	41.5	31	2.0	1.0	1.5	3.0	12.42
	1424 JOAQUIN	1990 (35)	52.2	28.6	29	3.0	8.0	1.0	8.0	13.91
	1478 CAL ROJO	6960 (4)	57.7	37.9	27	1.3	1.0	1.0	1.8	13.02
	1495 LASSIK	5390 (19)	58.7	32.8	33	7.5	1.0	1.5	3.3	10.88
	1500 EXPRESSO	6450 (8)	61.4	44.0	37	5.8	1.0	1.0	4.0	13.42
	1521 REDWING	6520 (7)	58.6	39.1	30	4.5	1.3	1.5	1.8	12.38
	1522 BLANCA ROYALE	5360 (20)	58.4	33.3	28	2.3	1.0	1.3	3.5	12.95
	1523 BLANCA FUERTE	6430 (9)	60.2	40.5	29	2.3	1.0	1.0	4.3	12.05
	1548 WB-CRISTALLO	5590 (16)	58.1	37.3	31	4.5	1.0	3.0	3.5	12.06
	1590 ULTRA	5240 (21)	59.2	39.0	31	2.5	1.0	1.0	4.3	12.58
	1605 WB-PALOMA	5160 (23)	59.4	39.8	30	3.3	4.3	2.3	5.8	12.11
	1650 WB-ROCKLAND	6300 (12)	60.8	42.3	31	2.5	1.0	1.0	2.0	13.29
<u>ADVANCED LINES</u>										
	1657 BLANCA GRANDE 515	5000 (25)	61.1	38.9	30	6.5	1.0	1.0	7.0	12.95
	1658 SUMMIT 515	5680 (15)	58.2	37.5	32	4.8	1.0	1.0	7.3	12.56
	1667 NEW DIRKWIN	3660 (30)	54.1	31.6	40	6.0	1.0	1.5	4.8	11.31
	1679 CLEAR WHITE 515HP2	5480 (18)	57.5	36.7	32	1.8	1.0	1.0	6.0	13.49
	1680 PATWIN 515	6010 (14)	59.6	39.2	28	1.0	1.0	1.0	3.3	13.93
	1681 PATWIN 5	6310 (11)	59.8	37.2	29	1.0	1.0	1.0	6.3	13.54
	1682 KERN 515HP2NS	5150 (24)	60.5	47.7	31	3.8	1.0	1.0	4.3	13.76
	1683 UC 1683	4530 (28)	56.1	36.4	30	5.3	1.0	1.0	7.3	13.13
	1684 CABR3509W	3420 (32)	57.1	34.4	33	7.5	1.0	1.0	8.0	10.35
	1685 BR5874	1680 (37)	47.9	22.8	38	4.0	5.3	2.8	5.5	14.15
	1686 08SB100	7060 (2)	61.5	43.4	38	1.3	1.0	1.0	1.0	13.09
	1687 06SB100-B	7040 (3)	57.8	35.8	34	6.3	1.0	1.5	1.8	11.70
	1688 08SB0658-B	6760 (5)	59.0	38.8	32	7.0	1.0	1.0	3.5	13.12
	1699 W5-46ML	2110 (34)	48.4	32.4	36	4.5	6.3	1.5	1.5	12.69
	1700 W-14AL	4830 (26)	59.6	43.8	35	6.0	1.0	2.5	7.8	10.89
	1703 05W90192	5230 (22)	58.9	38.0	29	2.3	1.0	1.0	4.0	12.63
	1704 05W90314	7160 (1)	59.2	45.1	31	4.8	1.0	1.0	1.8	12.49
	1705 05W90818	6700 (6)	60.0	43.1	30	3.8	1.0	1.0	1.0	13.18
	1706 03W10068	6400 (10)	60.4	46.5	28	2.3	1.0	1.0	3.8	13.06
<u>TRITICALE</u>										
	3097 TRICAL BRAND 105	7650 (5)	56.9	54.0	41	1.0	1.5	1.0	1.0	-
	3156 TRICAL BRAND 118	8860 (1)	55.7	40.9	37	1.0	3.3	1.0	1.0	-
	3166 05T14058	8560 (4)	56.4	44.1	36	1.0	1.5	1.0	1.0	-
	3167 05T14084	8570 (3)	56.7	47.3	37	1.0	1.3	1.0	1.0	-
	3168 CAMELOT	8580 (2)	57.1	51.1	38	1.0	3.0	1.0	1.0	-
	MEAN	5560	57.6	38.7	33	3.8	2.0	1.4	4.0	12.63
	CV	10.1	1.6	6.0	5.6	34.8	31.1	34.1	24.2	nd
	LSD (.05)	790	1.8	4.7	4	1.8	0.8	0.7	1.4	nd

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

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

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 DAVIS COMMON WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Days To		Lodging Harvest	Shatter	Stripe Rust 5/30	Leaf Rust 5/30	BYDV 5/30	Protein %
				Kernel Wt (g)	Plant Ht (in)	Heading (From 3/1)	Maturity						
CULTIVARS													
	20 ANZA	4020 (33)	59.0	35.1	34	62	109	1.0	1.0	4.8	1.0	1.5	10.57
	112 YECORA ROJO	3230 (37)	52.8	32.9	31	65	99	1.0	1.0	8.0	1.0	1.0	11.06
	474 DIRKWIN	3150 (39)	56.0	36.2	39	64	111	1.5	1.3	6.5	1.0	1.3	10.25
	788 EXPRESS	5620 (9)	59.1	39.7	35	59	103	1.0	1.0	3.3	1.8	2.8	12.49
	1340 MIKA	3640 (35)	56.9	39.3	42	63	110	1.0	1.0	4.0	2.0	2.8	12.51
	1361 CLEAR WHITE	4580 (28)	60.2	41.7	34	59	102	1.0	1.0	1.3	2.3	3.5	12.55
	1419 PATWIN	5390 (14)	59.1	39.2	34	62	109	1.0	1.0	1.0	2.3	2.3	12.57
	1424 JOAQUIN	3810 (34)	53.1	37.9	31	61	103	1.0	1.0	8.0	1.5	1.0	11.88
	1478 CAL ROJO	5270 (17)	58.7	44.2	31	60	101	1.0	1.0	1.0	1.0	1.8	11.83
	1495 LASSIK	5360 (16)	59.3	37.8	34	62	108	1.0	1.0	1.0	3.8	1.3	11.33
	1500 EXPRESSO	4870 (27)	58.5	39.8	33	61	102	1.0	1.0	1.0	1.0	3.5	13.84
	1521 REDWING	5840 (5)	55.5	41.8	30	58	107	1.0	1.0	1.0	1.8	1.0	12.72
	1522 BLANCA ROYALE	4950 (26)	60.5	42.9	30	58	104	1.0	1.0	1.0	1.0	1.8	11.82
	1523 BLANCA FUERTE	6750 (1)	61.9	44.8	31	60	106	1.0	1.0	1.0	1.3	1.3	11.50
	1526 PR 1404	5110 (20)	58.1	43.6	38	67	111	1.3	1.0	1.3	1.0	2.3	11.65
	1548 WB-CRISTALLO	5370 (15)	60.3	43.6	33	62	107	1.0	1.0	1.0	2.8	2.0	11.63
	1550 TRIPLE IV	4050 (32)	58.9	44.7	37	53	98	3.0	1.0	2.8	3.8	2.8	12.24
	1590 ULTRA	5870 (4)	61.2	46.9	28	61	106	1.0	1.0	2.3	1.0	1.5	12.15
	1605 WB-PALOMA	5670 (7)	60.8	43.4	33	60	101	1.3	1.0	5.8	2.3	1.8	11.61
	1650 WB-ROCKLAND	5040 (23)	60.6	42.3	32	62	103	1.0	1.0	1.0	1.0	2.8	13.54
ADVANCED LINES													
	1657 BLANCA GRANDE 515	5640 (8)	62.5	43.7	36	63	98	1.3	1.0	1.0	1.0	1.0	12.22
	1658 SUMMIT 515	5560 (12)	60.8	43.0	29	61	105	1.3	1.0	1.0	1.5	2.0	12.69
	1667 NEW DIRKWIN	4490 (31)	58.0	39.6	40	63	111	1.0	1.0	1.0	1.0	1.3	12.03
	1679 CLEAR WHITE 515HP2	5020 (24)	58.5	41.5	36	63	98	1.0	1.0	1.0	1.0	4.0	13.66
	1680 PATWIN 515	5610 (10)	60.6	39.7	31	58	103	1.0	1.0	1.0	1.0	1.0	11.91
	1681 PATWIN 5	4970 (25)	58.6	38.7	28	57	102	1.0	1.0	1.0	1.0	1.3	12.23
	1682 KERN 515HP2NS	5780 (6)	60.8	48.4	29	60	100	1.0	1.0	1.0	1.0	1.8	13.63
	1683 UC 1683	5170 (19)	59.9	42.8	35	61	104	1.0	1.0	1.0	1.3	2.0	12.38
	1684 CABR3509W	5060 (22)	60.0	42.3	30	60	103	1.8	1.0	2.3	2.3	2.5	11.60
	1685 BR5874	3160 (38)	50.0	27.4	39	64	112	1.0	1.0	7.8	2.0	1.5	12.10
	1686 08SB100	4560 (30)	60.7	39.1	37	60	107	1.0	1.0	1.0	1.0	1.8	13.22
	1687 06SB100-B	6100 (3)	60.1	44.4	37	62	109	1.0	1.0	1.0	1.0	1.0	11.89
	1688 08SB0658-B	6120 (2)	60.3	41.0	36	59	108	1.0	1.0	1.0	1.0	1.3	13.18
	1699 W5-46ML	3610 (36)	52.0	37.2	38	61	106	1.0	1.0	8.0	1.0	2.0	10.95
	1700 W-14AL	5090 (21)	56.3	43.2	37	62	107	1.8	1.0	5.0	4.0	1.8	10.31
	1703 05W90192	5420 (13)	61.3	42.9	34	62	103	1.0	1.0	1.0	1.5	2.0	12.78
	1704 05W90314	5180 (18)	59.2	46.3	31	61	105	1.0	1.0	1.0	1.0	1.3	12.83
	1705 05W90818	4580 (28)	60.4	45.0	33	59	104	1.0	1.0	1.0	1.0	1.5	13.30
	1706 03W10068	5590 (11)	59.2	45.3	29	57	100	1.0	1.0	1.3	1.3	1.8	13.20
TRITICALE													
	3097 TRICAL BRAND 105	4980 (5)	57.3	55.1	42	58	107	1.0	1.0	1.5	1.0	2.8	-
	3156 TRICAL BRAND 118	6850 (1)	59.5	48.0	39	63	110	1.0	1.0	4.0	1.0	1.0	-
	3167 05T14058	5550 (3)	57.7	44.5	33	66	112	1.0	1.0	2.0	1.0	1.3	-
	3168 05T14084	6170 (2)	58.1	44.2	33	61	110	1.0	1.0	1.0	1.0	1.3	-
	3169 CAMELOT	5230 (4)	55.6	51.6	38	58	105	1.0	1.0	2.0	1.0	1.0	-
	MEAN	5070	58.6	42.1	34	61	105	1.1	1.0	2.4	1.5	1.8	12.20
	CV	13.5	2.5	4.4	4.9	1.5	1.5	21.5	7.5	26.2	36.1	35.3	nd
	LSD (.05)	960	2.9	3.7	3	1	2	0.3	ns	0.9	0.7	0.9	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture.

2011 DELTA COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Shatter	Stripe Rust 6/8	BYDV 6/8	Powdery Mildew 6/8	Protein %
				Kernel Wt (g)	Plant Ht (in)						
<u>CULTIVARS</u>											
	20 ANZA	3090 (31)	50.8	25.6	34	1.8	1.8	7.3	1.0	1.5	11.96
	112 YECORA ROJO	2760 (33)	50.3	29.3	33	4.3	1.0	8.0	1.0	4.8	13.26
	474 DIRKWIN	910 (37)	43.5	24.7	37	5.0	1.3	8.0	1.0	1.0	12.35
	788 EXPRESS	4540 (21)	57.3	32.3	36	1.3	1.0	5.0	2.8	1.5	13.50
	1340 MIKA	2310 (35)	49.8	27.2	40	1.5	1.3	7.0	2.5	1.3	15.21
	1361 CLEAR WHITE	5160 (12)	60.3	42.7	34	1.0	1.3	3.8	2.8	2.0	14.05
	1419 PATWIN	4060 (26)	56.3	34.1	34	1.0	1.3	1.8	3.3	2.0	14.82
	1424 JOAQUIN	3080 (32)	49.7	28.6	36	1.3	1.3	8.0	1.3	4.0	12.27
	1478 CAL ROJO	5080 (13)	56.9	42.2	33	1.0	1.0	1.0	2.0	1.5	14.31
	1495 LASSIK	4440 (22)	57.3	34.5	33	1.5	1.3	1.0	1.8	1.5	12.79
	1500 EXPRESSO	4990 (14)	59.3	35.0	36	1.0	1.0	1.0	3.5	2.3	14.11
	1521 REDWING	5180 (11)	55.6	35.1	32	1.0	1.0	2.8	1.3	3.8	13.41
	1522 BLANCA ROYALE	5270 (10)	59.9	23.9	32	1.8	1.0	1.5	1.0	2.5	14.23
	1523 BLANCA FUERTE	6000 (1)	58.8	40.4	32	1.5	1.3	2.3	1.0	4.0	12.00
	1548 WB-CRISTALLO	5390 (6)	59.3	36.0	36	1.0	1.0	1.8	2.5	2.0	13.79
	1590 ULTRA	4690 (18)	60.8	24.1	32	1.0	1.5	1.8	1.5	4.3	13.67
	1605 WB-PALOMA	5280 (9)	58.8	40.5	34	4.3	1.3	7.3	1.3	1.8	14.05
	1650 WB-ROCKLAND	4950 (15)	59.2	34.9	32	1.0	1.3	1.0	3.0	2.8	14.73
<u>ADVANCED LINES</u>											
	1657 BLANCA GRANDE 515	4320 (23)	61.0	26.1	33	6.3	1.0	1.0	1.3	3.8	14.04
	1658 SUMMIT 515	5670 (5)	59.9	39.9	33	1.3	1.3	1.0	2.3	3.5	13.56
	1667 NEW DIRKWIN	3140 (30)	52.7	19.6	37	2.3	1.8	1.0	1.5	1.8	12.75
	1679 CLEAR WHITE 515HP2	4910 (16)	58.3	22.9	36	1.3	1.0	1.0	2.5	1.8	14.56
	1680 PATWIN 515	4570 (20)	58.7	20.9	30	1.0	1.3	1.0	2.3	3.0	14.28
	1681 PATWIN 5	4050 (27)	58.2	31.8	31	1.0	1.3	1.0	1.3	3.5	14.36
	1682 KERN 515HP2NS	5390 (6)	59.4	27.2	28	2.3	1.0	1.0	1.5	3.8	14.48
	1683 UC 1683	4610 (19)	54.6	36.9	35	1.5	1.5	1.0	1.5	4.3	13.72
	1684 CABR3509W	5740 (2)	58.0	40.6	36	1.3	1.0	4.5	2.5	1.5	12.33
	1685 BR5874	1400 (36)	42.6	19.4	36	1.0	1.0	8.0	1.3	1.3	13.96
	1686 08SB100	4160 (25)	58.4	34.7	35	1.0	1.0	1.0	1.8	1.5	13.89
	1687 06SB100-B	5680 (4)	58.7	37.6	36	1.3	1.8	1.3	1.3	1.3	12.63
	1688 08SB0658-B	4780 (17)	57.6	37.2	34	2.3	1.3	1.3	1.5	1.5	14.47
	1699 W5-46ML	2560 (34)	49.2	29.9	39	3.5	1.3	7.8	1.0	1.0	13.16
	1700 W-14AL	3420 (29)	53.4	31.0	40	1.3	1.0	7.5	2.5	3.8	13.03
	1703 05W90192	4260 (24)	58.4	37.0	33	1.0	1.0	1.0	1.8	2.8	14.12
	1704 05W90314	5300 (8)	58.2	38.5	33	1.3	1.0	1.0	1.8	1.5	13.77
	1705 05W90818	3460 (28)	58.2	40.7	32	1.0	1.0	2.0	2.3	4.0	15.53
	1706 03W10068	5690 (3)	61.8	44.0	31	2.3	1.8	1.3	1.3	2.5	14.71
<u>TRITICALE</u>											
	3097 TRICAL BRAND 105	5890 (3)	57.5	55.3	44	1.3	1.0	2.8	2.0	1.0	-
	3156 TRICAL BRAND 118	6900 (1)	57.5	39.0	40	1.0	1.0	4.0	1.0	1.0	-
	3166 05T14058	5060 (5)	56.4	38.3	39	1.0	1.0	3.3	1.5	1.0	-
	3167 05T14084	5260 (4)	58.1	25.4	39	1.0	1.0	2.3	2.0	1.0	-
	3168 CAMELOT	6090 (2)	56.3	48.9	41	1.0	1.0	4.5	1.0	1.0	-
	MEAN	4510	56.4	33.6	35	1.7	1.2	3.1	1.8	2.3	13.73
	CV	10.7	2.0	27.3	3.1	48.9	34.7	16.2	28.1	22.8	nd
	LSD (.05)	680	2.3	ns	2	1.2	ns	0.7	0.7	0.7	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 FRESNO COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Shatter	BYDV 5/2	Stripe Rust 5/2	Protein %
				Kernel Wt (g)	Plant Ht (in)					
CULTIVARS										
	20 ANZA	4930 (34)	61.0	31.9	38	3.3	1.0	1.0	6.8	11.69
	112 YECORA ROJO	3710 (38)	58.1	34.6	37	5.3	1.3	1.0	8.0	12.62
	474 DIRKWIN	2870 (39)	58.5	36.2	43	1.0	2.0	1.0	8.0	11.08
	788 EXPRESS	6410 (19)	62.5	42.8	39	1.8	1.0	1.0	3.8	13.26
	1340 MIKA	6030 (29)	60.9	39.7	44	2.0	1.0	1.0	4.3	13.89
	1361 CLEAR WHITE	5940 (31)	63.1	45.0	35	1.0	1.0	1.0	2.8	13.14
	1419 PATWIN	7130 (10)	62.3	40.5	39	1.0	1.0	1.5	1.0	13.46
	1424 JOAQUIN	6210 (23)	61.2	42.2	36	2.3	1.0	1.0	7.5	13.35
	1478 CAL ROJO	7290 (6)	61.6	50.5	37	1.0	1.5	1.0	1.0	12.87
	1495 LASSIK	6900 (12)	63.1	38.5	37	4.0	1.3	1.0	1.0	12.52
	1500 EXPRESSO	6210 (23)	63.1	41.6	41	1.3	1.0	1.3	1.0	14.52
	1521 REDWING	7740 (1)	61.9	46.2	37	1.0	1.0	1.0	1.0	12.37
	1522 BLANCA ROYALE	7120 (11)	63.1	43.7	35	1.3	1.3	1.0	1.0	12.84
	1523 BLANCA FUERTE	7390 (4)	64.9	47.6	38	1.0	1.3	1.0	1.0	11.78
	1526 PR 1404	7200 (9)	62.6	45.3	43	1.5	1.8	1.3	2.0	12.15
	1548 WB-CRISTALLO	6560 (17)	63.2	42.8	40	1.3	1.0	1.0	1.0	14.02
	1550 TRIPLE IV	4700 (35)	62.5	46.6	41	7.8	1.8	1.0	3.5	13.71
	1590 ULTRA	7550 (2)	64.7	47.2	36	1.3	1.5	1.0	1.0	13.68
	1605 WB-PALOMA	6340 (22)	62.8	49.8	37	4.3	1.0	1.0	4.3	13.57
	1650 WB-ROCKLAND	6030 (29)	63.2	45.4	38	1.0	1.3	1.0	1.0	14.44
ADVANCED LINES										
	1657 BLANCA GRANDE 515	6150 (27)	63.8	47.0	37	3.0	1.3	1.0	1.0	13.89
	1658 SUMMIT 515	7280 (7)	63.4	46.6	38	1.3	1.0	1.0	1.0	13.34
	1667 NEW DIRKWIN	5220 (33)	59.3	37.4	44	1.5	2.5	1.0	1.0	12.05
	1679 CLEAR WHITE 515HP2	6160 (26)	62.3	46.1	38	1.8	1.5	1.0	1.0	14.12
	1680 PATWIN 515	6720 (14)	62.2	38.8	34	1.0	1.0	1.0	1.0	13.43
	1681 PATWIN 5	7270 (8)	62.3	37.8	40	1.0	1.3	1.0	1.0	13.41
	1682 KERN 515HP2NS	6470 (18)	61.4	51.3	35	1.5	1.0	1.0	1.0	13.93
	1683 UC 1683	6400 (20)	61.7	44.8	36	6.8	1.0	1.0	1.0	13.29
	1684 CABR3509W	6780 (13)	63.5	47.3	38	1.8	1.0	1.0	1.3	11.68
	1685 BR5874	4430 (37)	57.3	32.7	41	1.0	1.0	1.0	7.0	-
	1686 08SB100	5520 (32)	63.7	40.6	41	1.0	1.0	1.3	1.0	13.54
	1687 06SB100-B	6210 (23)	62.8	44.6	37	4.0	1.0	1.0	1.0	12.33
	1688 08SB0658-B	7320 (5)	63.6	42.0	38	3.0	1.0	1.0	1.0	13.38
	1699 W5-46ML	4530 (36)	58.4	36.5	41	4.3	1.0	1.0	5.8	15.35
	1700 W-14AL	6040 (28)	61.7	43.9	43	6.8	1.3	1.0	4.0	12.32
	1703 05W90192	6660 (15)	63.6	46.3	37	1.0	1.0	1.0	1.0	14.18
	1704 05W90314	7410 (3)	62.4	46.5	41	1.5	1.3	1.0	1.0	12.81
	1705 05W90818	6590 (16)	63.5	50.8	40	1.0	1.0	1.0	1.0	14.35
	1706 03W10068	6380 (21)	63.0	48.0	38	1.5	1.0	1.0	1.3	13.73
TRITICALE										
	3097 TRICAL BRAND 105	6720 (5)	59.8	49.9	47	1.0	1.0	1.0	1.0	-
	3156 TRICAL BRAND 118	7560 (3)	60.6	40.3	43	1.8	1.3	1.0	2.3	-
	3166 05T14058	7800 (1)	60.7	40.6	43	1.0	1.0	1.0	2.0	-
	3167 05T14084	7700 (2)	60.1	42.8	42	1.0	1.0	1.0	2.3	-
	3168 CAMELOT	6740 (4)	58.6	47.0	43	1.0	1.0	1.0	4.5	-
	MEAN	6370	61.9	43.3	39	2.1	1.2	1.0	2.4	13.21
	CV	7.8	1.0	4.2	5.1	40.0	34.8	15.4	19.3	nd
	LSD (.05)	700	1.3	3.7	4	1.2	0.6	0.2	0.7	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture.

2011 KINGS COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Shatter	BYDV 5/16	Stripe Rust 5/16	Protein %
				Kernel Wt (g)	Plant Ht (in)					
CULTIVARS										
	20 ANZA	6210 (31)	62.6	38.9	40	4.8	1.0	1.8	4.0	11.39
	112 YECORA ROJO	5490 (35)	61.3	45.9	35	4.3	1.0	1.0	7.8	13.62
	474 DIRKWIN	2860 (39)	57.0	37.9	45	7.0	1.0	1.0	7.5	10.41
	788 EXPRESS	7460 (15)	63.0	47.2	41	3.5	1.0	1.5	2.0	13.72
	1340 MIKA	5710 (33)	60.0	42.1	46	3.8	1.0	2.8	4.5	14.04
	1361 CLEAR WHITE	7200 (22)	63.3	44.9	40	1.0	1.0	1.5	1.0	12.56
	1419 PATWIN	7870 (8)	61.8	41.3	38	2.3	1.0	1.3	1.0	13.21
	1424 JOAQUIN	6560 (28)	61.5	48.0	38	2.5	1.0	1.0	6.8	13.19
	1478 CAL ROJO	8620 (1)	61.9	49.8	37	1.0	1.0	1.0	1.0	13.33
	1495 LASSIK	6930 (26)	62.9	38.5	39	4.5	1.0	1.0	1.0	11.88
	1500 EXPRESSO	7930 (6)	63.2	46.6	42	1.3	1.0	1.3	1.0	12.78
	1521 REDWING	7970 (5)	62.0	46.9	35	3.3	1.0	1.3	1.8	13.11
	1522 BLANCA ROYALE	7660 (10)	63.0	45.3	36	2.8	1.0	1.8	1.0	12.30
	1523 BLANCA FUERTE	7430 (17)	64.3	47.8	37	1.0	1.0	1.0	1.0	11.59
	1526 PR 1404	7350 (18)	62.6	48.7	41	4.5	1.0	1.8	1.0	11.54
	1548 WB-CRISTALLO	6670 (27)	62.7	41.1	40	6.3	1.0	1.0	2.0	13.68
	1550 TRIPLE IV	4290 (38)	62.1	45.5	39	7.0	1.3	1.0	3.3	12.39
	1590 ULTRA	7330 (20)	63.2	44.7	36	2.5	1.0	1.3	1.5	13.29
	1605 WB-PALOMA	7450 (16)	63.4	50.2	39	3.8	1.0	1.8	3.0	13.89
	1650 WB-ROCKLAND	7020 (25)	63.4	47.1	35	1.0	1.0	1.5	1.0	15.05
ADVANCED LINES										
	1657 BLANCA GRANDE 515	7550 (11)	64.6	46.2	40	3.8	1.0	1.0	1.0	13.66
	1658 SUMMIT 515	8210 (3)	63.2	46.1	39	1.0	1.0	1.0	1.0	13.47
	1667 NEW DIRKWIN	4890 (37)	58.1	39.5	42	6.8	1.0	1.5	1.0	12.22
	1679 CLEAR WHITE 515HP2	7200 (22)	62.7	45.2	40	1.0	1.0	1.5	1.0	13.61
	1680 PATWIN 515	7350 (18)	62.5	42.0	34	1.0	1.0	1.3	1.0	12.95
	1681 PATWIN 5	7830 (9)	62.6	41.7	34	1.0	1.0	1.0	1.0	12.60
	1682 KERN 515HP2NS	6410 (30)	62.6	54.0	36	1.0	1.0	1.3	1.0	14.30
	1683 UC 1683	7330 (20)	61.7	47.7	38	4.3	1.0	1.3	1.0	13.67
	1684 CABR3509W	7520 (13)	63.2	45.9	38	4.0	1.0	1.8	1.3	11.39
	1685 BR5874	5620 (34)	58.3	37.6	43	1.3	1.0	1.3	6.0	12.65
	1686 08SB100	6540 (29)	63.3	43.4	41	1.0	1.0	1.3	1.0	13.35
	1687 06SB100-B	8080 (4)	61.7	41.7	40	4.3	1.0	1.0	1.0	12.02
	1688 08SB0658-B	7540 (12)	63.0	44.5	42	5.3	1.0	1.0	1.0	12.95
	1699 W5-46ML	6070 (32)	59.4	43.5	46	6.8	1.0	1.5	6.3	11.99
	1700 W-14AL	5050 (36)	59.2	43.7	45	7.3	1.0	1.0	7.0	11.97
	1703 05W90192	7110 (24)	63.5	45.7	37	1.0	1.0	1.0	1.0	13.33
	1704 05W90314	8290 (2)	62.0	47.9	39	3.5	1.0	1.0	1.0	12.78
	1705 05W90818	7480 (14)	63.0	52.5	38	1.3	1.0	1.5	1.0	13.33
	1706 03W10068	7880 (7)	63.9	50.0	36	1.0	1.0	1.0	1.0	13.15
TRITICALE										
	3097 TRICAL BRAND 105	8140 (3)	60.2	56.7	48	2.5	1.0	1.3	1.0	-
	3156 TRICAL BRAND 118	9000 (1)	59.9	41.4	43	2.3	1.0	1.0	1.8	-
	3166 05T14058	8550 (2)	60.3	44.1	44	1.0	1.0	1.0	1.0	-
	3167 05T14084	8090 (4)	60.4	43.5	39	1.0	1.0	1.0	1.0	-
	3168 CAMELOT	7980 (5)	59.0	49.7	43	1.3	1.0	1.0	1.0	-
	MEAN	7080	61.9	45.3	39	3.0	1.0	1.3	2.1	12.88
	CV	8.8	0.9	3.8	3.6	44.6	7.5	38.4	18.0	nd
	LSD (.05)	880	1.1	3.5	3	1.9	ns	0.7	0.5	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture.

2011 KERN COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	BYDV 5/17	Stripe Rust 5/17	Protein %
				Kernel Wt (g)	Plant Ht (in)				
<u>CULTIVARS</u>									
20	ANZA	6210 (30)	63.9	39.6	40	4.0	1.3	1.0	10.78
112	YECORA ROJO	6640 (23)	63.9	51.5	35	1.0	1.8	4.8	11.96
474	DIRKWIN	3870 (39)	57.7	40.6	46	5.0	1.0	5.8	10.95
788	EXPRESS	6940 (18)	64.7	44.5	38	1.0	2.5	1.0	11.54
1340	MIKA	5750 (35)	62.0	43.8	48	2.0	2.3	1.3	11.97
1361	CLEAR WHITE	6420 (26)	64.0	42.2	38	1.0	2.5	1.0	12.16
1419	PATWIN	6570 (24)	63.1	39.1	37	1.0	2.5	1.0	12.17
1424	JOAQUIN	7710 (6)	64.3	47.8	37	1.0	1.3	2.5	11.72
1478	CAL ROJO	8310 (1)	63.2	47.4	34	1.0	2.0	1.0	11.84
1495	LASSIK	6910 (19)	63.7	40.2	40	1.8	1.0	1.0	11.35
1500	EXPRESSO	6470 (25)	65.0	44.4	39	1.0	2.0	1.0	11.65
1521	REDWING	8190 (2)	63.2	46.4	35	1.0	1.0	1.0	11.71
1522	BLANCA ROYALE	7900 (4)	64.4	44.0	36	1.0	1.3	1.0	11.65
1523	BLANCA FUERTE	7580 (7)	65.3	48.0	37	1.0	1.3	1.0	10.28
1526	PR 1404	7070 (15)	63.0	49.0	44	1.3	1.8	1.0	11.31
1548	WB-CRISTALLO	6660 (21)	64.4	44.1	39	1.0	2.0	1.0	11.49
1550	TRIPLE IV	5030 (38)	63.8	46.3	41	5.8	1.8	1.0	12.34
1590	ULTRA	8160 (3)	64.7	44.9	36	1.0	1.8	1.0	11.43
1605	WB-PALOMA	6650 (22)	64.3	46.1	36	2.0	1.0	1.0	12.36
1650	WB-ROCKLAND	6150 (31)	64.5	43.3	35	1.0	2.3	1.0	12.35
<u>ADVANCED LINES</u>									
1657	BLANCA GRANDE 515	7160 (12)	65.4	44.4	38	1.0	1.5	1.0	11.53
1658	SUMMIT 515	6820 (20)	63.4	41.5	34	1.0	2.0	1.0	11.88
1667	NEW DIRKWIN	5440 (36)	60.4	40.3	45	2.0	1.5	1.0	11.31
1679	CLEAR WHITE 515HP2	6340 (27)	63.7	42.5	42	1.0	1.5	1.0	12.02
1680	PATWIN 515	7070 (15)	63.2	40.6	35	1.0	1.5	1.0	11.53
1681	PATWIN 5	7130 (13)	63.5	39.6	35	1.0	1.0	1.0	11.20
1682	KERN 515HP2NS	6980 (17)	63.8	49.2	33	1.0	1.8	1.0	12.03
1683	UC 1683	6310 (28)	62.0	44.3	40	3.5	1.3	1.0	11.32
1684	CABR3509W	6240 (29)	63.6	44.3	38	1.5	2.3	1.0	10.39
1685	BR5874	5960 (33)	62.0	40.0	42	1.0	1.0	1.0	10.75
1686	08SB100	6040 (32)	64.0	40.6	42	1.0	2.0	1.0	12.37
1687	06SB100-B	7370 (10)	62.9	39.5	43	2.3	1.0	1.0	10.37
1688	08SB0658-B	7870 (5)	64.1	43.6	42	1.8	1.0	1.0	11.21
1699	W5-46ML	5840 (34)	61.6	41.3	48	2.8	1.0	1.5	11.77
1700	W-14AL	5440 (36)	63.3	47.2	44	6.0	1.8	2.0	11.13
1703	05W90192	7100 (14)	64.3	43.2	36	1.0	1.3	1.0	12.00
1704	05W90314	7380 (9)	62.3	44.1	37	1.0	1.3	1.0	11.53
1705	05W90818	7330 (11)	64.6	49.2	38	1.0	1.0	1.0	12.23
1706	03W10068	7560 (8)	64.8	47.6	35	1.0	1.3	1.0	12.20
<u>TRITICALE</u>									
3097	TRICAL BRAND 105	7180 (5)	60.5	51.3	44	1.0	1.8	1.0	-
3156	TRICAL BRAND 118	8080 (1)	60.5	42.7	41	1.0	1.0	1.0	-
3166	05T14058	7540 (2)	59.8	39.1	42	1.0	1.0	1.0	-
3167	05T14084	7410 (3)	59.5	41.8	39	1.0	1.8	1.0	-
3168	CAMELOT	7200 (4)	59.0	45.5	45	1.0	1.0	1.0	-
	MEAN	6820	63.1	44.0	39	1.6	1.5	1.3	11.58
	CV	7.8	0.7	3.9	3.4	45.9	38.0	35.2	nd
	LSD (.05)	740	0.9	3.5	3	1.0	0.8	0.6	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms

Numbers in parentheses indicate relative rank in column

Protein is expressed at 12% moisture.

2011 IMPERIAL COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Days to		Lodging Harvest	Protein %
				Kernel Wt (g)	Plant Ht (in)	Heading	Maturity (From 1/1)		
<u>CULTIVARS</u>									
20	ANZA	5120 (5)	60.3	31.2	83	80	122	2.0	13.10
112	YECORA ROJO	5450 (3)	58.5	33.0	68	68	116	1.0	14.28
474	DIRKWIN	3270 (28)	46.5	35.1	93	90	132	2.8	14.85
788	EXPRESS	3400 (27)	59.0	25.6	94	83	126	4.0	15.19
1340	MIKA	2390 (32)	53.3	29.0	98	84	125	3.5	16.23
1361	CLEAR WHITE	4910 (8)	59.0	36.3	80	75	117	1.3	13.28
1419	PATWIN	3710 (25)	52.0		87	86	120	2.0	14.45
1424	JOAQUIN	5580 (2)	58.0	31.6	83	69	116	1.8	14.26
1478	CAL ROJO	4630 (13)	55.3	29.1	75	76	116	1.0	14.83
1495	LASSIK	5130 (4)	58.5	29.5	82	81	119	1.5	13.42
1500	EXPRESSO	2730 (31)	55.8	32.0	92	84	119	4.0	15.64
1521	REDWING	4860 (9)	54.8	30.7	75	82	123	1.0	14.56
1522	BLANCA ROYALE	4670 (11)	56.5	33.5	81	78	121	1.8	13.27
1523	BLANCA FUERTE	5920 (1)	60.3	37.3	79	78	124	1.5	13.40
1548	WB-CRISTALLO	3630 (26)	54.3	28.4	90	84	118	2.3	15.32
1590	ULTRA	4580 (15)	55.5	24.5	80	80	119	1.0	15.28
1605	WB-PALOMA	4510 (17)	57.5	32.0	69	68	116	1.5	15.98
1650	WB-ROCKLAND	4430 (19)	58.5	36.9	83	82	120	1.8	15.65
<u>ADVANCED LINES</u>									
1657	BLANCA GRANDE 515	5000 (7)	60.3	37.4	86	69	118	2.5	14.02
1667	NEW DIRKWIN	4150 (22)	52.5	35.0	95	86	133	3.5	14.31
1679	CLEAR WHITE 515HP2	4430 (19)	56.5	34.7	85	74	116	1.5	14.80
1680	PATWIN 515	5120 (5)	54.0	30.0	83	85	124	1.0	16.30
1681	PATWIN 5	4660 (12)	54.5	25.0	77	86	122	1.0	16.23
1682	KERN 515HP2NS	4510 (17)	54.3	29.0	77	81	119	1.0	16.57
1683	UC 1683	4590 (14)	53.0	23.9	85	73	117	1.8	13.64
1684	CABR3509W	4430 (19)	57.3	29.5	87	81	118	2.0	12.87
1685	BR5874	2190 (33)	45.5	20.4	89	86	123	1.8	18.58
1686	08SB100	4560 (16)	57.8	33.9	85	79	124	1.5	14.87
1687	06SB100-B	4860 (9)	58.8	36.3	78	76	123	2.5	13.69
1688	08SB0658-B	3820 (24)	56.0	32.8	82	77	124	2.8	14.98
1699	W5-46ML	3130 (29)	56.3	34.2	94	75	118	3.8	15.06
1700	W-14AL	2980 (30)	53.3	23.8	94	87	119	3.3	15.82
1703	05W90192	3880 (23)	56.0	27.8	79	81	118	1.3	16.79
<u>TRITICALE</u>									
3097	TRICAL BRAND 105	5570 (1)	55.8	39.9	95	71	121	1.0	-
3156	TRICAL BRAND 118	4810 (3)	53.8	40.1	86	74	120	1.0	-
3167	05T14084	5280 (2)	54.5	37.6	83	80	135	1.0	-
3168	CAMELOT	4690 (4)	53.3	34.6	92	79	130	2.3	-
	MEAN	4370	55.6	31.7	84	79	121	1.9	14.89
	CV	16.5	4.2	nd	6.0	0.7	0.8	44.1	nd
	LSD (.05)	1010	3.2	nd	7.0	1.0	1.0	1.2	nd

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

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

Numbers in parentheses indicate relative rank in column.

*Only 1 rep of 1000 KWT was taken, therefore no data was given for CV and LSD.

Protein is expressed at 12% moisture

2011 CLARKSBURG RAINFED COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Shatter	Stripe Rust 4/27	Leaf Rust 4/27	Septoria 4/27	Root Rot 4/27
				Kernel Wt (g)	Plant Ht (in)						
<u>CULTIVARS</u>											
	20 ANZA	5560 (6)	61.2	41.8	33	4.5	1.0	2.3	1.0	2.8	1.0
	112 YECORA ROJO	2950 (32)	59.6	47.8	28	7.0	1.0	4.0	1.0	3.8	3.0
	474 DIRKWIN	2270 (33)	50.3	30.7	39	4.0	1.0	6.0	1.0	3.3	1.0
	788 EXPRESS	5010 (13)	61.8	39.1	33	5.5	1.0	1.0	1.0	1.0	2.5
	1340 MIKA	5260 (11)	60.6	45.7	40	3.0	1.0	2.3	1.0	4.3	1.3
	1361 CLEAR WHITE	3510 (27)	60.6	34.9	29	3.5	1.0	1.0	1.0	3.5	4.3
	1419 PATWIN	6110 (1)	61.8	43.8	33	1.0	1.0	1.0	1.0	1.0	2.0
	1424 JOAQUIN	3460 (29)	60.8	42.3	32	4.5	1.0	3.3	1.8	7.8	2.8
	1478 CAL ROJO	4190 (22)	60.0	47.8	28	2.5	1.0	1.0	1.0	1.3	1.8
	1495 LASSIK	5800 (2)	61.4	43.0	32	4.0	1.0	1.0	1.0	1.8	1.0
	1500 EXPRESSO	4970 (14)	62.2	38.0	30	2.5	1.0	1.0	1.0	1.0	2.5
	1521 REDWING	5750 (4)	60.6	46.7	30	2.5	1.0	1.0	1.0	1.5	1.5
	1522 BLANCA ROYALE	5760 (3)	61.6	46.9	28	5.0	1.0	1.0	1.0	1.5	1.5
	1523 BLANCA FUERTE	4780 (17)	62.4	48.7	29	2.0	1.5	1.0	1.0	1.0	1.0
	1548 WB-CRISTALLO	5540 (7)	61.6	40.5	32	6.5	1.0	1.0	1.0	1.0	1.0
	1590 ULTRA	5040 (12)	61.7	48.3	30	2.5	1.0	1.0	1.0	1.0	2.0
	1605 WB-PALOMA	4450 (20)	61.4	49.4	30	5.0	1.0	2.5	1.0	4.3	1.5
	1650 WB-ROCKLAND	3940 (25)	61.2	40.8	28	1.5	1.0	1.0	1.0	1.0	2.5
<u>ADVANCED LINES</u>											
	1657 BLANCA GRANDE 515	3810 (26)	62.2	42.5	32	6.0	1.0	1.0	1.0	3.3	2.0
	1667 NEW DIRKWIN	5360 (9)	58.2	44.1	43	5.5	1.0	1.0	1.0	3.5	1.0
	1679 CLEAR WHITE 515HP2	3280 (30)	58.4	40.4	33	4.5	1.0	1.0	1.0	2.8	3.0
	1680 PATWIN 515	4840 (16)	61.2	41.4	30	1.0	1.0	1.0	1.0	1.0	1.8
	1681 PATWIN 5	5450 (8)	61.5	43.9	31	1.0	1.0	1.0	1.0	2.5	1.0
	1682 KERN 515HP2NS	3130 (31)	59.9	44.8	26	1.5	1.0	1.5	1.0	2.0	3.8
	1683 UC 1683	4130 (23)	59.5	45.2	30	6.0	1.0	1.0	1.0	5.5	1.5
	1684 CABR3509W	3490 (28)	60.7	44.3	29	8.0	1.0	1.0	1.0	6.8	3.5
	1685 BR5874	4230 (21)	56.1	41.3	39	4.5	1.0	3.5	1.0	4.0	1.0
	1686 08SB100	4920 (15)	62.3	43.7	34	1.0	1.0	1.0	1.0	1.3	1.0
	1687 06SB100-B	5290 (10)	59.7	38.2	31	5.0	1.5	1.0	1.0	1.3	1.5
	1688 08SB0658-B	5750 (4)	61.1	43.0	32	3.0	1.5	1.0	1.0	1.0	1.0
	1699 W5-46ML	4720 (18)	57.1	38.1	38	8.0	1.0	2.3	1.0	1.3	1.0
	1700 W-14AL	4470 (19)	61.3	54.1	35	6.5	1.0	1.0	1.3	4.0	2.0
	1703 05W90192	4080 (24)	60.9	39.4	30	2.0	1.0	1.0	1.0	1.3	2.0
<u>TRITICALE</u>											
	3097 TRICAL BRAND 105	4180 (4)	57.9	52.5	38	2.5	1.0	1.0	1.0	1.0	2.0
	3156 TRICAL BRAND 118	6690 (1)	58.3	44.6	36	2.0	1.0	1.8	1.0	1.0	1.0
	3167 05T14084	5340 (3)	58.2	45.3	36	1.5	1.0	1.0	1.0	1.0	2.5
	3168 CAMELOT	6550 (2)	57.6	48.3	38	2.5	1.0	2.8	1.0	1.0	1.0
	MEAN	4690	60.1	44.2	32	3.8	1.0	1.6	1.0	2.4	1.8
	CV	10.8	1.3	6.2	5.3	29.1	19.5	53.4	17.1	36.7	53.5
	LSD (.05)	1030	1.6	4.5	3	2.2	ns	1.2	0.2	1.2	1.4

Rating scale for foliar diseases (area of flag-1 leaf affected), lodging, shatter, and root rot: 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

2011 TULARE RAINFED COMMON WHEAT AND TRITICALE

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Stripe Rust 5/2
<u>CULTIVARS</u>						
	20 ANZA	5090 (22)	62.6	36.0	39	5.0
	112 YECORA ROJO	5200 (17)	63.1	44.3	34	7.3
	474 DIRKWIN	3580 (33)	57.8	37.1	40	5.3
	788 EXPRESS	5190 (18)	62.3	39.3	40	1.3
	1340 MIKA	4910 (24)	60.0	37.0	45	6.0
	1361 CLEAR WHITE	5150 (20)	62.5	39.1	39	1.0
	1419 PATWIN	5220 (15)	60.5	37.0	36	1.0
	1424 JOAQUIN	5420 (10)	61.9	41.2	39	7.3
	1478 CAL ROJO	4810 (26)	61.7	47.5	35	1.0
	1495 LASSIK	5320 (14)	61.7	34.1	37	1.0
	1500 EXPRESSO	4650 (27)	63.1	40.4	40	1.0
	1521 REDWING	5550 (9)	60.8	42.3	36	1.8
	1522 BLANCA ROYALE	5620 (5)	61.6	38.9	38	1.0
	1523 BLANCA FUERTE	5190 (18)	64.4	46.9	36	1.0
	1548 WB-CRISTALLO	5580 (7)	63.2	41.6	38	1.5
	1590 ULTRA	5840 (3)	63.5	38.4	36	2.5
	1605 WB-PALOMA	5950 (2)	63.5	45.3	38	4.5
	1650 WB-ROCKLAND	4450 (30)	63.8	43.1	36	1.0
<u>ADVANCED LINES</u>						
	1657 BLANCA GRANDE 515	5360 (11)	64.4	42.7	38	1.0
	1667 NEW DIRKWIN	4110 (31)	58.0	39.5	40	1.0
	1679 CLEAR WHITE 515HP2	4870 (25)	62.6	39.4	40	1.0
	1680 PATWIN 515	5110 (21)	61.3	35.2	34	1.0
	1681 PATWIN 5	4960 (23)	61.8	36.1	34	1.0
	1682 KERN 515HP2NS	5350 (12)	62.0	43.2	34	1.0
	1683 UC 1683	5560 (8)	60.1	39.0	39	1.0
	1684 CABR3509W	6090 (1)	62.8	40.6	39	1.3
	1685 BR5874	3900 (32)	58.2	34.4	38	6.5
	1686 08SB100	4550 (29)	64.3	41.0	38	1.0
	1687 06SB100-B	5220 (15)	62.2	35.8	39	1.0
	1688 08SB0658-B	5730 (4)	61.2	36.7	37	1.0
	1699 W5-46ML	4650 (27)	59.2	38.8	47	7.3
	1700 W-14AL	5590 (6)	60.0	41.3	44	5.0
	1703 05W90192	5340 (13)	62.8	38.8	36	1.0
<u>TRITICALE</u>						
	3097 TRICAL BRAND 105	4770 (3)	57.7	44.4	47	1.0
	3156 TRICAL BRAND 118	6130 (1)	58.4	40.3	41	1.5
	3167 05T14084	4690 (4)	57.4	35.4	37	1.0
	3168 CAMELOT	5260 (2)	57.7	42.3	42	2.3
	MEAN	5130	61.4	39.8	38	2.4
	CV	11	1.2	6.2	2.7	23.5
	LSD (.05)	790	1.5	5.0	2	0.8

Rating scale for foliar diseases (area of flag-1 leaf affected): 1 = 0-3%, 2 = 4-14%,
3 = 15-29%, 4 = 30-49%, 5 = 50-69%, 6 = 70-84%, 7 = 85-95%, 8 = 96-100%.

Numbers in parentheses indicate relative rank in column.

2011 DAVIS RAINFED COMMON WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Days To		Lodging Harvest	Stripe Rust 5/30	Leaf Rust 5/30	BYDV 5/30	
					Heading	Maturity					
					(From 3/1)						
<u>CULTIVARS</u>											
	20 ANZA	3890 (24)	53.7	34	60	107	1.3	6.5	1.0	1.0	
	112 YECORA ROJO	3100 (32)	53.7	30	58	92	1.3	8.0	1.0	1.0	
	474 DIRKWIN	2940 (33)	53.7	38	63	110	1.0	6.5	1.0	1.0	
	788 EXPRESS	4120 (20)	54.9	35	59	104	1.0	2.5	1.8	3.3	
	1340 MIKA	3330 (30)	51.3	38	62	109	1.3	4.0	2.0	2.8	
	1361 CLEAR WHITE	4310 (16)	54.5	36	57	100	1.0	1.3	2.5	3.8	
	1419 PATWIN	4340 (15)	53.0	32	60	106	1.0	1.0	1.0	1.8	
	1424 JOAQUIN	3670 (28)	58.4	36	57	98	1.0	8.0	1.0	1.8	
	1478 CAL ROJO	4120 (20)	58.9	36	58	99	1.0	1.0	1.0	3.0	
	1495 LASSIK	5070 (4)	53.1	32	61	108	1.0	1.0	3.0	1.0	
	1500 EXPRESSO	4730 (9)	53.5	39	59	101	1.0	1.0	1.0	3.3	
	1521 REDWING	5600 (1)	63.6	30	59	106	1.0	1.0	1.3	1.3	
	1522 BLANCA ROYALE	5020 (5)	59.0	32	58	104	1.0	1.0	1.3	1.0	
	1523 BLANCA FUERTE	5470 (2)	66.2	33	58	104	1.0	1.0	1.3	1.0	
	1548 WB-CRISTALLO	4610 (12)	56.8	33	59	103	1.0	1.3	2.0	1.5	
	1590 ULTRA	4640 (11)	62.1	31	58	104	1.0	1.0	1.0	1.3	
	1605 WB-PALOMA	4600 (14)	61.1	35	58	99	1.5	6.3	1.3	2.0	
	1650 WB-ROCKLAND	3760 (27)	57.7	31	57	98	1.0	1.0	1.0	2.0	
<u>ADVANCED LINES</u>											
	1657 BLANCA GRANDE 515	4100 (22)	61.0	33	57	92	1.3	1.0	1.0	1.0	
	1667 NEW DIRKWIN	3890 (24)	57.4	37	63	110	1.3	1.0	1.0	1.0	
	1679 CLEAR WHITE 515HP2	3450 (29)	58.0	37	58	93	1.0	1.0	1.0	2.3	
	1680 PATWIN 515	4930 (6)	52.0	28	59	103	1.0	1.0	1.0	1.8	
	1681 PATWIN 5	4310 (16)	51.8	30	59	104	1.0	1.0	1.0	1.0	
	1682 KERN 515HP2NS	4610 (12)	63.5	29	59	99	1.3	1.0	1.0	2.5	
	1683 UC 1683	4800 (7)	59.4	33	60	103	1.0	1.0	1.0	1.5	
	1684 CABR3509W	3820 (26)	58.4	34	59	103	1.3	2.3	2.0	1.5	
	1685 BR5874	3140 (31)	42.9	35	64	111	1.3	7.8	2.0	1.0	
	1686 08SB100	3930 (23)	58.4	36	59	105	1.0	1.0	1.0	1.8	
	1687 06SB100-B	5120 (3)	57.1	36	61	108	1.0	1.0	1.0	1.3	
	1688 08SB0658-B	4250 (18)	60.7	34	59	107	1.3	1.0	1.0	1.3	
	1699 W5-46ML	4150 (19)	52.8	37	60	104	1.3	7.8	1.0	1.3	
	1700 W-14AL	4760 (8)	61.6	37	60	106	1.5	5.8	3.0	1.5	
	1703 05W90192	4670 (10)	55.3	33	60	102	1.0	1.0	1.0	1.5	
<u>TRITICALE</u>											
	3097 TRICAL BRAND 105	4160 (4)	68.0	40	58	107	1.0	1.8	1.0	2.0	
	3156 TRICAL BRAND 118	5450 (2)	63.0	37	59	106	1.0	3.8	1.0	1.0	
	3167 05T14084	5780 (1)	61.0	34	59	107	1.0	2.0	1.0	1.3	
	3168 CAMELOT	5120 (3)	69.9	36	58	105	1.0	1.3	1.0	1.0	
	MEAN	4370	57.8	34	59	103	1.1	2.6	1.3	1.6	
	CV	13.4	4.9	6.0	1.1	1.8	25.6	23.9	32.3	39.6	
	LSD (.05)	820	5.7	4.0	1.0	3.0	ns	0.9	0.6	0.9	

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

2011 Common Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust						
		Mean (6 Loc)	Colusa	UC Davis	Sac/SJ Delta	Fresno	Kern	Kings
			4/25	5/30	6/8	5/2	5/17	5/16
<u>CULTIVARS</u>								
	20 ANZA	4.3 (32)	2.0	4.8	7.3	6.8	1.0	4.0
	112 YECORA ROJO	7.1 (39)	6.0	8.0	8.0	8.0	4.8	7.8
	474 DIRKWIN	6.8 (37)	5.0	6.5	8.0	8.0	5.8	7.5
	788 EXPRESS	3.0 (30)	2.8	3.3	5.0	3.8	1.0	2.0
	1340 MIKA	4.1 (31)	3.8	4.0	7.0	4.3	1.3	4.5
	1361 CLEAR WHITE	1.8 (27)	1.0	1.3	3.8	2.8	1.0	1.0
	1419 PATWIN	1.1 (18)	1.0	1.0	1.8	1.0	1.0	1.0
	1424 JOAQUIN	6.8 (37)	8.0	8.0	8.0	7.5	2.5	6.8
	1478 CAL ROJO	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1495 LASSIK	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	1.5 (26)	1.3	1.0	2.8	1.0	1.0	1.8
	1522 BLANCA ROYALE	1.1 (18)	1.0	1.0	1.5	1.0	1.0	1.0
	1523 BLANCA FUERTE	1.2 (21)	1.0	1.0	2.3	1.0	1.0	1.0
	1526 PR 1404	1.3 (23)	-	1.3	-	2.0	1.0	1.0
	1548 WB-CRISTALLO	1.3 (23)	1.0	1.0	1.8	1.0	1.0	2.0
	1550 TRIPLE IV	2.7 (29)	-	2.8	-	3.5	1.0	3.3
	1590 ULTRA	1.4 (25)	1.0	2.3	1.8	1.0	1.0	1.5
	1605 WB-PALOMA	4.3 (32)	4.3	5.8	7.3	4.3	1.0	3.0
	1650 WB-ROCKLAND	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
<u>ADVANCED LINES</u>								
	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
	1667 NEW DIRKWIN	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1679 CLEAR WHITE 515HP2	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1680 PATWIN 515	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1681 PATWIN 5	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1682 KERN 515HP2NS	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1683 UC 1683	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1684 CABR3509W	1.9 (28)	1.0	2.3	4.5	1.3	1.0	1.3
	1685 BR5874	5.8 (35)	5.3	7.8	8.0	7.0	1.0	6.0
	1686 08SB100	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1687 06SB100-B	1.0 (1)	1.0	1.0	1.3	1.0	1.0	1.0
	1688 08SB0658-B	1.0 (1)	1.0	1.0	1.3	1.0	1.0	1.0
	1699 W5-46ML	5.9 (36)	6.3	8.0	7.8	5.8	1.5	6.3
	1700 W-14AL	4.4 (34)	1.0	5.0	7.5	4.0	2.0	7.0
	1703 05W90192	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1704 05W90314	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0
	1705 05W90818	1.2 (21)	1.0	1.0	2.0	1.0	1.0	1.0
	1706 03W10068	1.1 (18)	1.0	1.3	1.3	1.3	1.0	1.0
<u>TRITICALE</u>								
	3097 TRICAL BRAND 105	1.5 (1)	1.5	1.5	2.8	1.0	1.0	1.0
	3156 TRICAL BRAND 118	2.7 (4)	3.3	4.0	4.0	2.3	1.0	1.8
	3166 05T14058	1.8 (3)	1.5	2.0	3.3	2.0	1.0	1.0
	3167 05T14084	1.5 (1)	1.3	1.0	2.3	2.3	1.0	1.0
	3168 CAMELOT	2.7 (4)	3.0	2.0	4.5	4.5	1.0	1.0
	MEAN	2.2	2.0	2.4	3.1	2.4	1.3	2.1
	CV	22.8	31.1	26.2	16.2	19.3	35.2	18.0
	LSD (.05)	0.3	0.8	0.9	0.7	0.7	0.6	0.5

Rating scale for foliar diseases (area of flag-1 leaf affected):

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

2011 Rainfed Common Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust			
		Mean (3 Loc)	Clarksburg 4/27	UC Davis 5/30	Tulare 5/2
<u>CULTIVARS</u>					
	20 ANZA	4.6 (28)	2.3	6.5	5.0
	112 YECORA ROJO	6.4 (33)	4.0	8.0	7.3
	474 DIRKWIN	5.9 (30)	6.0	6.5	5.3
	788 EXPRESS	1.6 (24)	1.0	2.5	1.3
	1340 MIKA	4.1 (26)	2.3	4.0	6.0
	1361 CLEAR WHITE	1.1 (18)	1.0	1.3	1.0
	1419 PATWIN	1.0 (1)	1.0	1.0	1.0
	1424 JOAQUIN	6.2 (32)	3.3	8.0	7.3
	1478 CAL ROJO	1.0 (1)	1.0	1.0	1.0
	1495 LASSIK	1.0 (1)	1.0	1.0	1.0
	1500 ESPRESSO	1.0 (1)	1.0	1.0	1.0
	1521 REDWING	1.3 (20)	1.0	1.0	1.8
	1522 BLANCA ROYALE	1.0 (1)	1.0	1.0	1.0
	1523 BLANCA FUERTE	1.0 (1)	1.0	1.0	1.0
	1548 WB-CRISTALLO	1.3 (20)	1.0	1.3	1.5
	1590 ULTRA	1.5 (22)	1.0	1.0	2.5
	1605 WB-PALOMA	4.4 (27)	2.5	6.3	4.5
	1650 WB-ROCKLAND	1.0 (1)	1.0	1.0	1.0
<u>ADVANCED LINES</u>					
	1657 BLANCA GRANDE 515	1.0 (1)	1.0	1.0	1.0
	1667 NEW DIRKWIN	1.0 (1)	1.0	1.0	1.0
	1679 CLEAR WHITE 515HP2	1.0 (1)	1.0	1.0	1.0
	1680 PATWIN 515	1.0 (1)	1.0	1.0	1.0
	1681 PATWIN 5	1.0 (1)	1.0	1.0	1.0
	1682 KERN 515HP2NS	1.2 (19)	1.5	1.0	1.0
	1683 UC 1683	1.0 (1)	1.0	1.0	1.0
	1684 CABR3509W	1.5 (22)	1.0	2.3	1.3
	1685 BR5874	5.9 (30)	3.5	7.8	6.5
	1686 08SB100	1.0 (1)	1.0	1.0	1.0
	1687 06SB100-B	1.0 (1)	1.0	1.0	1.0
	1688 08SB0658-B	1.0 (1)	1.0	1.0	1.0
	1699 W5-46ML	5.8 (29)	2.3	7.8	7.3
	1700 W-14AL	3.9 (25)	1.0	5.8	5.0
	1703 05W90192	1.0 (1)	1.0	1.0	1.0
<u>TRITICALE</u>					
	3097 TRICAL BRAND 105	1.3 (1)	1.0	1.8	1.0
	3156 TRICAL BRAND 118	2.3 (4)	1.8	3.8	1.5
	3167 05T14084	1.3 (1)	1.0	2.0	1.0
	3168 CAMELOT	2.1 (3)	2.8	1.3	2.3
	MEAN	2.2	1.6	2.6	2.4
	CV	31.3	53.4	23.9	23.5
	LSD (.05)	0.5	1.2	0.9	0.8

Rating scale for foliar diseases (area of flag-1 leaf affected): 1 = 0-3%, 2 = 4-14%, 3 = 15-29%, 4 = 30-49%, 5 = 50-69%, 6 = 70-84%, 7 = 85-95%, 8 = 96-100%.

2011 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
<u>CULTIVARS</u>										
20	ANZA	11.26 (38)	11.23 (38)	11.17	10.57	11.96	11.29 (36)	11.69	11.39	10.78
112	YECORA ROJO	12.67 (26)	12.61 (26)	13.52	11.06	13.26	12.73 (21)	12.62	13.62	11.96
474	DIRKWIN	11.02 (39)	11.22 (39)	11.06	10.25	12.35	10.81 (39)	11.08	10.41	10.95
788	EXPRESS	12.81 (20)	12.78 (24)	12.36	12.49	13.50	12.84 (16)	13.26	13.72	11.54
1340	MIKA	13.52 (5)	13.74 (6)	13.51	12.51	15.21	13.30 (4)	13.89	14.04	11.97
1361	CLEAR WHITE	12.86 (19)	13.10 (15)	12.70	12.55	14.05	12.62 (24)	13.14	12.56	12.16
1419	PATWIN	13.11 (10)	13.27 (13)	12.42	12.57	14.82	12.95 (14)	13.46	13.21	12.17
1424	JOAQUIN	12.72 (24)	12.69 (25)	13.91	11.88	12.27	12.75 (20)	13.35	13.19	11.72
1478	CAL ROJO	12.87 (18)	13.05 (18)	13.02	11.83	14.31	12.68 (22)	12.87	13.33	11.84
1495	LASSIK	11.79 (33)	11.67 (34)	10.88	11.33	12.79	11.92 (30)	12.52	11.88	11.35
1500	EXPRESSO	13.39 (6)	13.79 (5)	13.42	13.84	14.11	12.98 (13)	14.52	12.78	11.65
1521	REDWING	12.62 (30)	12.84 (22)	12.38	12.72	13.41	12.40 (27)	12.37	13.11	11.71
1522	BLANCA ROYALE	12.63 (29)	13.00 (20)	12.95	11.82	14.23	12.26 (29)	12.84	12.30	11.65
1523	BLANCA FUERTE	11.53 (36)	11.85 (33)	12.05	11.5	12.00	11.22 (37)	11.78	11.59	10.28
1526	PR 1404	11.66 (34)	11.65 (35)	-	11.65	-	11.67 (34)	12.15	11.54	11.31
1548	WB-CRISTALLO	12.78 (22)	12.49 (28)	12.06	11.63	13.79	13.06 (9)	14.02	13.68	11.49
1550	TRIPLE IV	12.67 (27)	12.24 (30)	-	12.24	-	12.81 (17)	13.71	12.39	12.34
1590	ULTRA	12.80 (21)	12.80 (23)	12.58	12.15	13.67	12.80 (18)	13.68	13.29	11.43
1605	WB-PALOMA	12.93 (14)	12.59 (27)	12.11	11.61	14.05	13.27 (5)	13.57	13.89	12.36
1650	WB-ROCKLAND	13.90 (1)	13.85 (4)	13.29	13.54	14.73	13.95 (1)	14.44	15.05	12.35
<u>ADVANCED LINES</u>										
1657	BLANCA GRANDE 515	13.05 (12)	13.07 (17)	12.95	12.22	14.04	13.03 (11)	13.89	13.66	11.53
1658	SUMMIT 515	12.92 (16)	12.94 (21)	12.56	12.69	13.56	12.90 (15)	13.34	13.47	11.88
1667	NEW DIRKWIN	11.95 (31)	12.03 (32)	11.31	12.03	12.75	11.86 (31)	12.05	12.22	11.31
1679	CLEAR WHITE 515HP2NS	13.58 (4)	13.90 (3)	13.49	13.66	14.56	13.25 (6)	14.12	13.61	12.02
1680	PATWIN 515	13.01 (13)	13.37 (12)	13.93	11.91	14.28	12.64 (23)	13.43	12.95	11.53
1681	PATWIN 5	12.89 (17)	13.38 (11)	13.54	12.23	14.36	12.40 (26)	13.41	12.60	11.20
1682	KERN 515HP2NS	13.69 (2)	13.96 (2)	13.76	13.63	14.48	13.42 (2)	13.93	14.30	12.03
1683	UC 1683	12.92 (15)	13.08 (16)	13.13	12.38	13.72	12.76 (19)	13.29	13.67	11.32
1684	CABR3509W	11.29 (37)	11.43 (36)	10.35	11.6	12.33	11.15 (38)	11.68	11.39	10.39
1685	BR5874	12.72 (23)	13.40 (9)	14.15	12.1	13.96	11.70 (33)	-	12.65	10.75
1686	08SB100	13.24 (8)	13.40 (10)	13.09	13.22	13.89	13.09 (8)	13.54	13.35	12.37
1687	06SB100-B	11.82 (32)	12.07 (31)	11.70	11.89	12.63	11.57 (35)	12.33	12.02	10.37
1688	08SB0658-B	13.05 (11)	13.59 (8)	13.12	13.18	14.47	12.51 (25)	13.38	12.95	11.21
1699	W5-46ML	12.65 (28)	12.27 (29)	12.69	10.95	13.16	13.04 (10)	15.35	11.99	11.77
1700	W-14AL	11.61 (35)	11.41 (37)	10.89	10.31	13.03	11.81 (32)	12.32	11.97	11.13
1703	05W90192	13.17 (9)	13.18 (14)	12.63	12.78	14.12	13.17 (7)	14.18	13.33	12.00
1704	05W90314	12.70 (25)	13.03 (19)	12.49	12.83	13.77	12.37 (28)	12.81	12.78	11.53
1705	05W90818	13.65 (3)	14.00 (1)	13.18	13.30	15.53	13.30 (3)	14.35	13.33	12.23
1706	03W10068	13.34 (7)	13.66 (7)	13.06	13.20	14.71	13.03 (11)	13.73	13.15	12.20

Grain Protein % expressed at 12% moisture

Numbers in parentheses indicate relative rank in column.

2011 KINGS COMMON WHEAT TEST, QUALITY EVALUATION

Entry	Name	Wheat								Flour				Farinograph					Bread			
		Pro	Ash	Hard (NIR)	Test Wt	1000 Kwt	Kernel Size Dist. (200 g)			Yield	Pro	Ash	Fall No.	Wet Glut.	Absp	Arr	Mix Pk	MT	M.T.I.	Vol	Text	Score
CULTIVARS																						
20	ANZA	11.39	1.51	68	63.5	37.7	177.4	22.0	-	75.2	9.90	0.42	410	28.3	64.8	1.75	2.50	2.50	90	715	u	1
112	YECORA ROJO	13.62	1.52	56	62.3	45.3	183.8	15.9	-	73.7	11.86	0.40	397	32.5	62.4	3.00	10.50	10.50	10	885	s	3
474	DIRKWIN	10.41	1.63	38	57.7	35.0	176.9	22.8	0.2	70.2	8.95	0.46	329	33.0	57.8	1.50	2.00	1.75	120	675	u	1
788	EXPRESS	13.72	1.60	64	63.8	46.6	190.8	9.2	-	75.4	12.25	0.45	404	33.5	68.0	4.25	9.50	10.25	40	950	s	5
1340	MIKA	14.04	1.76	69	60.9	40.6	175.6	24.2	0.3	70.4	12.34	0.40	449	35.6	66.0	3.50	15.75	22.00	10	940	s	4
1361	CLEAR WHITE	12.56	1.58	55	60.2	43.4	192.1	7.9	-	77.8	11.16	0.48	360	28.1	59.2	2.50	7.00	9.50	60	845	s	3
1419	PATWIN	13.21	1.48	79	62.3	39.3	187.8	17.2	-	74.9	11.81	0.50	497	34.3	67.8	2.50	5.50	13.50	20	900	s	4
1424	JOAQUIN	13.19	1.46	58	62.3	43.1	185.9	13.7	-	77.0	11.78	0.40	439	30.9	63.2	3.00	8.00	11.00	20	940	s	4
1478	CAL ROJO	13.33	1.54	49	62.7	48.0	189.8	10.2	-	77.0	11.79	0.47	459	31.5	61.2	2.75	7.00	20.00	40	875	s	3
1495	LASSIK	11.88	1.48	66	63.8	37.4	184.2	15.7	-	77.2	10.20	0.43	415	27.4	64.2	1.50	3.75	5.00	60	800	s-0	2
1500	EXPRESSO	12.78	1.53	65	63.9	45.4	191.6	8.4	-	75.6	11.28	0.40	480	31.5	67.0	3.00	5.00	10.50	60	920	s	4
1521	REDWING	13.11	1.52	63	62.8	47.5	194.9	5.1	-	75.5	11.60	0.43	464	30.6	65.6	2.50	6.50	11.50	40	900	s	4
1522	BLANCA ROYALE	12.30	1.52	63	63.9	43.1	184.2	15.7	0.2	74.6	11.32	0.42	424	28.2	60.2	1.50	7.00	21.00	20	860	s	3
1523	BLANCA FUERTE	11.59	1.46	62	65.2	47.1	191.2	8.7	0.1	76.6	10.21	0.43	439	26.7	62.0	1.50	7.00	10.50	40	840	s	2
1526	PR 1404	11.54	1.44	62	63.7	47.7	191.2	8.8	0.1	77.0	11.10	0.38	438	26.5	61.0	1.25	2.00	14.25	50	750	u	1
1548	WB-CRISTALLO	13.68	1.49	62	63.8	42.1	185.5	14.5	-	75.2	12.14	0.38	458	30.0	65.0	5.00	10.50	10.00	40	950	s	5
1550	TRIPLE IV	12.39	1.55	70	62.8	45.7	190.6	9.4	-	72.1	10.89	0.42	453	28.6	68.0	3.00	2.25	7.75	50	840	s	2
1590	ULTRA	13.29	1.64	59	63.9	42.5	189.3	10.6	-	76.8	11.18	0.42	407	30.2	62.4	2.50	4.00	4.50	60	880	s	3
1605	WB-PALOMA	13.89	1.44	57	64.2	49.7	195.5	4.4	-	76.0	11.77	0.43	406	33.7	63.4	2.00	7.50	22.00	20	885	s	3
1650	WB-ROCKLAND	15.05	1.55	60	64.1	44.5	193.7	6.4	-	76.7	13.34	0.45	424	35.8	66.2	3.75	6.25	18.50	25	975	s	5
ADVANCED LINES																						
1657	BLANCA GRANDE 515	13.66	1.48	52	65.2	45.6	192.2	7.6	-	75.7	12.36	0.39	394	37.0	66.4	3.25	7.50	19.75	40	960	s	5
1658	SUMMIT 515	13.47	1.55	61	64.0	45.7	193.6	6.3	-	75.8	12.10	0.45	351	33.0	65.0	2.75	5.00	7.25	20	910	s	4
1667	NEW DIRKWIN	12.22	1.87	37	59.1	37.7	177.7	22.1	-	67.4	11.03	0.47	345	32.4	59.4	2.00	3.00	5.50	40	815	s-0	2
1679	CLEAR WHITE 515HP2	13.61	1.64	52	63.6	42.7	190.7	9.2	-	78.0	11.63	0.48	378	30.3	60.2	2.50	5.50	10.50	25	885	s	3
1680	PATWIN 515	12.95	1.54	71	63.1	39.1	185.7	14.7	-	74.7	11.43	0.49	451	29.4	65.6	2.50	6.50	16.50	20	900	s	4
1681	PATWIN 5	12.60	1.55	70	63.4	40.2	184.5	15.3	-	74.7	11.07	0.46	449	32.3	64.6	2.50	5.00	7.25	40	900	s	4
1682	KERN 515HP2NS	14.30	1.48	40	63.5	51.2	193.1	6.7	-	75.3	12.26	0.42	411	31.9	61.6	3.00	8.25	21.50	20	950	s	5
1683	UC 1683	13.67	1.63	59	62.5	47.4	189.2	10.6	-	74.4	12.20	0.51	375	23.7	61.4	2.50	5.50	8.00	50	915	s	4
1684	CABR3509W	11.39	1.49	66	63.9	44.2	190.7	9.3	-	75.0	9.79	0.39	404	26.7	64.6	2.50	5.50	4.25	100	760	u	1
1685	BR5874	12.65	1.55	68	59.0	33.5	159.7	39.8	0.3	73.9	11.22	0.42	451	27.4	60.6	2.50	7.25	12.00	30	860	s	3
1686	08SB100	13.35	1.56	71	64.3	42.1	183.8	16.0	-	74.9	12.09	0.43	482	32.5	64.6	2.00	3.00	30.50	10	860	s	3
1687	06SB100-B	12.02	1.57	76	62.6	41.1	185.7	14.0	-	73.1	10.54	0.47	410	26.5	67.2	2.00	5.75	7.75	50	850	s	2
1688	08SB0658-B	12.95	1.48	69	63.7	43.0	187.2	12.7	-	75.7	11.99	0.42	485	32.2	65.2	2.00	6.00	23.75	30	860	s	3
1699	W5-46ML	11.99	1.54	74	60.2	40.4	176.5	23.1	0.1	74.4	10.36	0.40	389	26.8	62.2	2.25	5.00	8.25	40	875	s	3
1700	W-14AL	11.97	1.62	58	60.0	40.7	179.6	20.0	0.1	72.6	10.50	0.49	488	26.2	59.0	1.75	8.00	26.25	20	870	s	3
1703	05W90192	13.33	1.82	54	64.3	46.3	190.6	9.3	-	76.8	12.05	0.43	439	29.7	60.4	3.00	8.25	15.00	20	910	s	4
1704	05W90314	12.78	1.53	64	62.6	45.0	187.4	12.5	0.2	74.7	11.33	0.44	432	28.4	61.4	1.50	6.25	23.25	20	910	s	4
1705	05W90818	13.33	1.52	56	64.0	48.7	195.3	4.6	-	76.1	11.83	0.40	452	32.3	64.0	4.25	6.50	9.25	20	960	s	5
1706	03W10068	13.15	1.51	46	64.5	51.8	194.8	5.0	-	76.6	11.69	0.42	460	31.4	64.4	2.50	6.50	18.25	30	875	s	3

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

2011 UC DAVIS COMMON WHEAT TEST, QUALITY EVALUATION

Entry	Name	Wheat								Flour				Farinograph					Bread			
		Pro	Ash	Hard (NIR)	Test Wt	1000 Kwt	Kernel Size Dist. (200 g)			Yield	Pro	Ash	Fall No.	Wet Glut.	Absp	Arr	Mix Pk	MT	M.T.I.	Vol	Text	Score
						7W	10W	12W														
CULTIVARS																						
20	ANZA	10.57	1.43	62	59.7	30.2	153.7	45.5	0.6	70.2	9.09	0.45	457	22.0	61.6	1.50	2.50	4.25	90	750	u	1
112	YECORA ROJO	11.06	1.53	61	54.3	31.7	142.0	56.8	1.1	67.4	10.12	0.55	435	24.0	62.0	1.50	2.25	22.50	30	885	s	3
474	DIRKWIN	10.25	1.60	32	56.7	33.8	174.4	24.3	0.2	69.5	8.88	0.43	391	20.4	56.8	1.50	2.75	3.00	100	760	u	1
788	EXPRESS	12.49	1.79	76	59.1	33.1	169.4	29.0	0.4	73.3	11.38	0.53	487	32.4	66.6	2.50	4.25	5.75	50	930	s	4
1340	MIKA	12.51	1.80	73	58.6	35.3	159.6	39.5	0.6	68.0	10.97	0.50	440	29.3	66.8	3.00	7.00	18.75	10	940	s	4
1361	CLEAR WHITE	12.55	1.79	55	60.8	40.3	180.0	19.6	0.4	72.7	11.01	0.48	459	28.4	59.6	2.00	6.00	10.00	40	910	s	4
1419	PATWIN	12.57	1.75	74	60.3	37.2	167.6	31.6	0.4	70.0	11.67	0.54	490	30.4	67.8	3.00	6.00	17.00	-	900	s	4
1424	JOAQUIN	11.88	1.77	58	52.8	33.1	158.9	40.2	0.6	70.5	10.86	0.49	502	29.4	63.4	1.50	6.00	26.00	10	950	s	5
1478	CAL ROJO	11.83	1.83	55	58.5	40.9	171.6	27.7	0.4	70.0	10.43	0.40	434	26.4	61.0	2.00	7.50	15.00	30	900	s	4
1495	LASSIK	11.33	1.57	68	60.5	33.7	159.4	39.8	0.5	72.3	10.01	0.49	411	28.8	65.2	3.25	8.50	10.75	20	880	s	3
1500	EXPRESSO	13.84	1.81	72	59.3	34.9	166.7	32.6	0.6	71.5	12.68	0.53	429	34.6	68.4	4.50	6.00	10.00	20	1000	s	5
1521	REDWING	12.72	1.90	74	56.8	42.9	182.9	16.3	0.3	72.1	11.26	0.56	470	30.1	66.6	2.00	5.75	27.50	10	930	s	4
1522	BLANCA ROYALE	11.82	1.73	61	61.3	38.8	168.4	30.9	0.6	70.4	10.52	0.41	420	23.9	60.0	1.50	6.25	8.75	40	830	s	2
1523	BLANCA FUERTE	11.50	1.46	63	63.6	38.7	183.9	15.7	0.3	72.9	9.78	0.40	480	25.0	62.4	1.50	2.25	19.50	50	800	s-0	2
1526	PR 1404	11.65	1.56	70	60.1	38.2	179.0	25.9	0.2	71.4	10.03	0.53	421	27.3	61.0	1.75	4.00	7.75	50	790	u	1
1548	WB-CRISTALLO	11.63	1.50	67	61.1	39.1	177.7	21.9	0.3	73.2	10.54	0.52	463	25.4	64.2	1.25	1.70	24.25	20	875	s	3
1550	TRIPLE IV	12.24	1.62	75	60.8	38.0	176.3	23.4	0.2	70.3	10.49	0.53	452	29.8	67.8	2.50	4.50	6.75	40	825	s	2
1590	ULTRA	12.15	1.42	57	61.8	41.7	180.0	19.7	0.1	71.7	10.80	0.49	404	33.0	61.8	2.00	3.75	3.50	70	900	s	4
1605	WB-PALOMA	11.61	1.47	66	61.7	42.6	179.9	19.6	0.2	69.4	10.17	0.51	428	26.8	64.8	1.75	7.50	20.25	20	825	s-0	2
1650	WB-ROCKLAND	13.54	1.58	69	60.8	39.1	169.1	30.3	0.4	70.6	11.93	0.53	490	31.7	68.2	3.25	10.00	20.25	30	910	s	4
ADVANCED LINES																						
1657	BLANCA GRANDE 515	12.22	1.41	55	63.3	43.5	184.0	15.8	0.2	72.6	11.29	0.53	349	32.1	65.8	2.00	6.00	16.25	30	915	s	4
1658	SUMMIT 515	12.69	1.56	67	61.9	41.2	178.6	20.9	0.2	73.6	11.14	0.50	407	27.8	66.2	3.00	9.00	12.50	30	885	s	3
1667	NEW DIRKWIN	12.03	1.76	34	59.3	36.4	178.2	21.7	0.1	65.8	11.01	0.45	356	36.5	58.8	1.75	2.75	3.50	80	815	u	1
1679	CLEAR WHITE 515HP2	13.66	1.59	56	60.7	37.8	176.6	22.6	0.6	72.7	12.27	0.47	459	31.6	62.2	2.50	12.50	6.25	40	900	s	4
1680	PATWIN 515	11.91	1.59	69	61.6	38.1	175.4	24.3	0.4	71.6	11.44	0.55	453	30.4	65.6	2.25	4.50	10.25	30	850	s	3
1681	PATWIN 5	12.23	1.59	74	60.8	32.6	166.8	32.6	0.6	70.4	10.79	0.58	502	32.4	65.2	2.00	6.50	19.50	10	850	s	3
1682	KERN 515HP2NS	13.63	1.59	47	61.2	43.5	185.3	14.5	0.1	73.7	12.13	0.42	408	32.1	62.6	2.50	8.25	17.75	40	900	s	4
1683	UC 1683	12.38	1.68	64	60.8	41.1	180.8	19.0	0.1	72.1	11.24	0.54	469	33.3	63.4	2.75	7.25	15.00	20	860	s	3
1684	CABR3509W	11.60	1.74	62	60.1	39.5	172.4	26.7	0.6	73.2	10.31	0.50	380	30.1	64.0	2.00	3.00	4.50	50	700	u	1
1685	BR5874	12.10	1.66	65	51.1	24.4	101.4	95.4	2.8	65.9	10.63	0.54	480	27.9	59.4	2.00	6.50	12.50	20	755	u	1
1686	08SB100	13.22	1.85	76	61.6	35.6	159.9	39.4	0.5	70.6	11.80	0.47	460	32.9	64.8	1.50	2.50	28.50	10	830	s	2
1687	06SB100-B	11.89	1.63	70	61.1	39.4	182.4	17.3	0.1	71.2	10.21	0.45	450	29.9	66.6	2.00	5.50	10.50	35	860	s	3
1688	08SB0658-B	13.18	1.69	70	61.1	37.5	168.6	31.0	0.4	71.0	11.45	0.49	512	32.1	66.4	2.25	5.75	25.00	10	860	s	3
1699	W5-46ML	10.95	1.61	66	54.7	33.9	154.6	44.3	0.8	68.3	9.55	0.47	471	23.2	64.4	1.25	2.50	16.25	20	750	u	1
1700	W-14AL	10.31	1.75	61	56.7	36.2	174.1	25.0	0.4	70.1	8.74	0.52	432	21.8	58.0	1.25	2.25	11.75	10	750	u	1
1703	05W90192	12.78	1.88	61	61.5	38.0	168.1	31.3	0.4	71.6	11.36	0.50	510	29.6	62.8	2.25	7.25	25.25	20	895	s	4
1704	05W90314	12.83	1.70	60	59.3	38.3	171.5	27.9	0.4	70.0	11.39	0.52	399	31.1	62.8	3.00	6.75	11.00	20	875	s	3
1705	05W90818	13.30	1.77	54	61.8	43.8	180.9	18.8	0.3	70.4	11.83	0.46	443	34.3	64.4	2.75	8.00	21.25	10	850	s	3
1706	03W10068	13.20	1.76	68	59.2	46.0	185.6	13.7	0.4	73.4	11.92	0.53	453	29.3	64.0	2.00	8.50	15.50	20	875	s	3

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

2011 IMPERIAL COMMON WHEAT TEST, QUALITY EVALUATION

Entry	Name	Wheat								Flour				Farinograph					Bread			
		Pro	Ash	Hard (NIR)	Test Wt	1000 Kwt	Kernel Size Dist. (200 g)			Yield	Pro	Ash	Fall No.	Wet Glut.	Absp	Arr	Mix Pk	MT	M.T.I.	Vol	Text	Score
						7W	10W	12W														
<u>CULTIVARS</u>																						
20	ANZA	13.10	1.75	75	61.9	28.7	98.1	97.2	3.4	74.2	11.61	0.52	453	33.0	62.8	2.50	3.50	2.50	100	870	s	3
112	YECORA ROJO	14.28	1.74	78	60.9	32.4	117.4	79.2	1.8	71.5	12.53	0.52	468	33.5	63.4	4.25	7.50	10.25	30	950	s	5
474	DIRKWIN	14.85	2.37	28	48.4	21.4	54.8	139.5	5.6	58.7	13.25	0.63	434	30.5	58.6	2.25	3.25	3.25	90	860	s-0	2
788	EXPRESS	15.19	1.60	81	63.0	34.3	160.5	37.4	1.7	73.9	13.68	0.50	487	41.7	64.6	3.25	5.00	4.25	60	980	s	5
1340	MIKA	16.23	2.15	70	55.4	23.4	89.1	104.7	5.4	65.3	14.80	0.55	480	39.4	66.6	4.50	8.25	6.50	80	1020	s	5
1361	CLEAR WHITE	13.28	1.57	74	62.7	34.6	160.1	37.9	1.8	75.0	12.23	0.51	296	31.8	59.2	3.00	5.25	6.75	50	960	s	5
1419	PATWIN	14.45	1.71	94	60.6	26.5	128.6	68.1	3.0	70.1	13.02	0.60	477	29.7	67.4	3.50	6.00	7.50	60	980	s	5
1424	JOAQUIN	14.26	1.70	82	59.5	28.6	107.4	88.9	2.9	73.5	12.87	0.44	453	38.2	61.8	4.50	8.25	16.50	10	1000	s	5
1478	CAL ROJO	14.83	1.72	60	56.1	26.1	33.4	161.1	4.6	69.8	13.55	0.52	367	36.0	63.2	5.50	10.00	12.50	20	975	s	5
1495	LASSIK	13.42	1.58	75	62.0	27.7	113.0	80.7	5.0	74.6	11.41	0.46	383	34.4	60.4	2.50	4.25	4.50	60	900	s	4
1500	EXPRESSO	15.64	1.87	79	56.5	24.7	87.2	10.9	3.2	69.7	14.56	0.56	530	40.7	69.2	5.00	8.00	12.00	20	1040	s	5
1521	REDWING	14.56	1.75	84	61.9	32.1	137.5	58.6	2.8	73.7	13.00	0.59	489	34.7	59.8	2.50	4.00	5.00	60	890	s	4
1522	BLANCA ROYALE	13.27	1.79	79	62.0	30.3	132.5	64.1	2.7	73.4	11.50	0.56	488	29.2	62.2	4.00	6.75	5.00	7	865	s	3
1523	BLANCA FUERTE	13.40	1.76	81	59.0	27.8	92.3	103.1	3.9	72.3	11.80	0.45	534	32.1	60.2	1.50	5.00	12.00	30	875	s	3
1548	WB-CRISTALLO	15.32	2.39	70	53.8	23.8	32.4	162.9	3.5	67.5	13.55	0.56	520	37.1	63.6	3.50	6.00	13.50	20	1040	s	5
1590	ULTRA	15.28	1.87	69	59.1	26.1	65.1	131.7	2.2	70.7	13.47	0.53	439	37.1	60.4	1.50	6.00	14.50	40	940	s	5
1605	WB-PALOMA	15.98	1.74	78	60.0	31.3	108.9	87.3	2.9	70.8	13.25	0.56	575	33.6	65.4	5.00	15.00	21.00	-	1000	s	5
1650	WB-ROCKLAND	15.65	1.82	76	59.9	30.3	125.6	71.5	2.2	72.2	13.98	0.64	535	39.2	64.2	4.00	8.25	14.50	20	1000	s	5
<u>ADVANCED LINES</u>																						
1657	BLANCA GRANDE 515	14.02	1.85	74	61.8	28.7	102.9	94.4	1.8	70.5	12.20	0.47	503	34.3	63.4	4.00	6.25	13.25	20	950	s	5
1667	NEW DIRKWIN	14.31	2.11	32	54.4	25.1	94.4	100.3	4.1	61.6	12.75	0.52	364	32.5	56.4	2.25	3.00	3.25	60	880	s	3
1679	CLEAR WHITE 515HP2	14.80	1.83	71	57.9	27.1	117.2	77.9	2.9	73.4	13.35	0.36	514	35.3	61.6	4.00	10.50	15.00	30	950	s	5
1680	PATWIN 515	16.30	2.11	81	56.1	24.5	59.4	134.9	4.7	67.1	14.25	0.56	475	33.7	64.6	3.75	6.25	19.25	20	1025	s	5
1681	PATWIN 5	16.23	2.10	82	55.8	22.5	51.5	142.1	5.1	67.4	14.84	0.60	452	40.9	66.4	4.00	13.00	19.50	-	1055	s	5
1682	KERN 515HP2NS	16.57	1.90	58	54.4	25.1	71.8	124.3	3.2	66.7	14.03	0.54	413	36.5	63.0	4.25	8.00	24.50	20	1060	s	5
1683	UC 1683	13.64	1.84	79	59.4	29.6	127.6	69.1	2.6	73.1	12.34	0.62	540	34.9	61.8	2.50	4.50	11.25	10	885	s	3
1684	CABR3509W	12.87	1.68	83	59.3	25.0	121.3	75.4	2.5	71.0	11.37	0.54	470	24.5	62.2	2.50	4.75	4.00	70	775	u	1
1685	BR5874	18.58	2.17	61	48.7	18.1	19.6	167.7	11.6	63.5	16.65	0.62	391	32.4	64.4	4.50	16.00	25.50	-	1085	s	5
1686	08SB100	14.87	1.95	85	58.6	27.1	65.0	129.4	4.5	70.7	13.87	0.61	514	34.5	64.0	6.75	14.00	21.50	10	950	s	5
1687	06SB100-B	13.69	1.87	87	59.0	25.7	112.5	34.4	2.6	70.9	11.45	0.57	555	31.9	68.0	4.00	9.50	22.50	-	950	s	5
1688	08SB0658-B	14.98	1.79	78	59.6	28.2	112.7	81.9	3.6	71.3	13.37	0.42	487	37.8	65.6	3.50	10.00	21.50	20	950	s	5
1699	W5-46ML	15.06	1.84	79	57.4	27.9	103.5	93.3	2.5	71.7	12.96	0.58	553	37.6	64.0	3.75	7.00	14.75	20	970	s	5
1700	W-14AL	15.82	2.03	54	52.6	27.2	94.0	101.4	4.1	65.5	14.11	0.64	439	32.5	61.2	3.75	7.00	11.25	30	1015	s	5
1703	05W90192	16.79	2.11	60	56.4	23.2	41.2	153.2	4.2	69.1	14.24	0.59	508	35.4	60.2	4.25	7.50	15.25	20	1010	s	5

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

2009-2011 COMMON WHEAT OVER YEAR YIELD SUMMARY

Entry Name	Sacramento Valley			San Joaquin Valley			Imperial Valley			Rainfed Tests		
	2011 (3 Loc)	2010-11 (6 Loc/Yr)	2009-11 (9 Loc/Yr)	2011 (3 Loc)	2010-11 (6 Loc/Yr)	2009-11 (9 Loc/Yr)	2011 (1 Loc)	2010-11 (2 Loc/Yr)	2009-11 (3 Loc/Yr)	2011 (3 Loc)	2010-11 (7 Loc/Yr)	2009-11 (9 Loc/Yr)
CULTIVARS												
20 ANZA	3880 (30)	3820 (15)	4050 (12)	5780 (32)	5360 (15)	5130 (12)	5120 (5)	6290 (3)	6320 (2)	4850 (14)	3580 (12)	3120 (9)
112 YECORA ROJO	3200 (32)	2700 (16)	3080 (13)	5280 (36)	4600 (16)	4440 (13)	5450 (3)	6440 (2)	6070 (4)	3750 (32)	3130 (13)	2810 (10)
474 DIRKWIN	1990 (37)	-	-	3200 (39)	-	-	3270 (28)	-	-	2930 (33)	-	-
788 EXPRESS	5240 (17)	4870 (13)	4850 (11)	6940 (18)	6630 (13)	5900 (11)	3400 (27)	4310 (14)	5270 (10)	4770 (17)	4050 (10)	3550 (8)
1340 MIKA	3060 (33)	-	-	5830 (31)	-	-	2390 (32)	-	-	4500 (20)	-	-
1361 CLEAR WHITE	4790 (26)	-	-	6520 (28)	-	-	4910 (8)	-	-	4320 (27)	-	-
1419 PATWIN *	5210 (18)	6300 (5)	6160 (4)	7190 (13)	7870 (4)	6970 (5)	3710 (25)	-	-	5220 (6)	-	-
1424 JOAQUIN	2960 (34)	4780 (14)	5060 (10)	6820 (22)	7530 (8)	6750 (7)	5580 (2)	6260 (4)	5690 (7)	4180 (28)	4290 (8)	3740 (6)
1478 CAL ROJO	5770 (7)	6560 (4)	6220 (3)	8070 (1)	8040 (2)	7210 (2)	4630 (13)	5820 (7)	5390 (8)	4370 (25)	4210 (9)	3710 (7)
1495 LASSIK *	5060 (22)	6130 (8)	5880 (7)	6910 (19)	7620 (7)	7010 (3)	5130 (4)	-	-	5400 (3)	-	-
1500 EXPRESSO	5440 (10)	5810 (12)	5610 (9)	6870 (20)	6940 (12)	6250 (10)	2730 (31)	4350 (13)	5320 (9)	4780 (16)	4310 (7)	3750 (5)
1521 REDWING	5840 (6)	6720 (2)	6550 (2)	7970 (2)	8050 (1)	7300 (1)	4860 (9)	6030 (6)	6050 (5)	5630 (1)	4710 (1)	4010 (2)
1522 BLANCA ROYALE	5190 (19)	6280 (6)	5990 (6)	7560 (6)	7860 (5)	6970 (5)	4670 (11)	5810 (8)	5770 (6)	5470 (2)	4630 (3)	3920 (4)
1523 BLANCA FUERTE	6390 (1)	6970 (1)	6770 (1)	7470 (7)	7890 (3)	6980 (4)	5920 (1)	6870 (1)	6540 (1)	5150 (9)	4670 (2)	4110 (1)
1526 PR 1404	-	-	-	7210 (12)	-	-	-	-	-	-	-	-
1548 WB-CRISTALLO	5450 (9)	6280 (6)	6130 (5)	6630 (25)	7180 (10)	6490	3630 (26)	5100 (11)	6210 (3)	5240 (4)	4610 (4)	3940 (3)
1550 TRIPLE IV	-	-	-	4670 (38)	-	-	-	-	-	-	-	-
1590 ULTRA	5270 (15)	-	-	7680 (4)	-	-	4580 (15)	-	-	5170 (8)	-	-
1605 WB-PALOMA	5370 (14)	5890 (10)	5710 (8)	6820 (22)	6950 (11)	6290 (9)	4510 (17)	5510 (9)	-	5000 (10)	4480 (5)	-
1650 WB-ROCKLAND	5430 (12)	5990 (9)	-	6400 (29)	6550 (14)	-	4430 (19)	5370 (10)	-	4050 (29)	3970 (11)	-
ADVANCED LINES												
1657 BLANCA GRANDE 515	4990 (23)	5850 (11)	-	6950 (17)	7410 (9)	-	5000 (7)	6100 (5)	-	4420 (24)	4420 (6)	-
1658 SUMMIT 515	5640 (8)	6640 (3)	-	7440 (8)	7710 (6)	-	-	-	-	-	-	-
1667 NEW DIRKWIN	3760 (31)	-	-	5180 (37)	-	-	4150 (22)	4540 (12)	-	4450 (23)	-	-
1679 CLEAR WHITE 515HP2NS	5140 (20)	-	-	6570 (27)	-	-	4430 (19)	-	-	3870 (30)	-	-
1680 PATWIN 515	5400 (13)	-	-	7050 (15)	-	-	5120 (5)	-	-	4960 (11)	-	-
1681 PATWIN 5	5110 (21)	-	-	7410 (9)	-	-	4660 (12)	-	-	4910 (13)	-	-
1682 KERN 515HP2NS	5440 (10)	-	-	6620 (26)	-	-	4510 (17)	-	-	4360 (26)	-	-
1683 UC 1683	4770 (27)	-	-	6680 (24)	-	-	4590 (14)	-	-	4830 (15)	-	-
1684 CABR3509W	4740 (28)	-	-	6840 (21)	-	-	4430 (19)	-	-	4470 (21)	-	-
1685 BR5874	2080 (36)	-	-	5330 (35)	-	-	2190 (33)	-	-	3760 (31)	-	-
1686 08SB100	5260 (16)	-	-	6030 (30)	-	-	4560 (16)	-	-	4470 (21)	-	-
1687 06SB100-B	6270 (2)	-	-	7220 (11)	-	-	4860 (9)	-	-	5210 (7)	-	-
1688 08SB0658-B	5890 (3)	-	-	7570 (5)	-	-	3820 (24)	-	-	5240 (4)	-	-
1699 W5-46ML	2760 (35)	-	-	5480 (34)	-	-	3130 (29)	-	-	4510 (19)	-	-
1700 W-14AL	4450 (29)	-	-	5510 (33)	-	-	2980 (30)	-	-	4940 (12)	-	-
1703 05W90192	4970 (24)	-	-	6960 (16)	-	-	3880 (23)	-	-	4700 (18)	-	-
1704 05W90314	5880 (5)	-	-	7700 (3)	-	-	-	-	-	-	-	-
1705 05W90818	4910 (25)	-	-	7130 (14)	-	-	-	-	-	-	-	-
1706 03W10068	5890 (3)	-	-	7270 (10)	-	-	-	-	-	-	-	-
TRITICALE												
3097 TRICAL BRAND 105	6170 (5)	6380 (3)	6320 (2)	7350 (4)	7320 (3)	6700 (2)	5570 (1)	6720 (1)	6750 (1)	4370 (4)	3990 (2)	3500 (2)
3156 TRICAL BRAND 118	7540 (1)	7510 (1)	7380 (1)	8210 (1)	8270 (1)	7350 (1)	4810 (3)	5920 (2)	5900 (2)	6090 (1)	4700 (1)	4070 (1)
3166 05T14058	6390 (4)	6410 (2)	-	7970 (2)	7820 (2)	-	-	-	-	-	-	-
3167 05T14084	6670 (2)	-	-	7740 (3)	-	-	5280 (2)	-	-	5270 (3)	-	-
3168 CAMELOT	6640 (3)	-	-	7300 (5)	-	-	4690 (4)	-	-	5640 (2)	-	-
MEAN	5050	5890	5720	6760	7240	6520	4370	5710	5940	4740	4260	3730
CV	11.6	10.2	10.4	8.2	6.7	8.3	16.5	10.1	10.1	12	16	17.5
LSD (.05)	470	340	280	450	280	250	1010	570	490	500	390	320

Numbers in parentheses indicate relative rank.

* 2010 data from Elite Trial

2011 UC INTERMOUNTAIN SPRING WHEAT TEST
(2011 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Type	Source	Grown At
1	Kelse	HRS	WSU	ALL
2	WA 8074	HRS	WSU	ALL
3	Bullseye	HRS	AgriPro	ALL
4	Cabernet	HRS	AgriPro	ALL
5	Malbec	HRS	AgriPro	ALL
6	Jefferson	HRS	UI	ALL
7	Winchester	HRS	UI	ALL
8	IDO 702	HRS	UI	ALL
9	Cerere	HRS	Cooley	ALL
10	Buck Pronto	HRS	Limagrain	ALL
11	10 Fx Inc1	HRS	Limagrain	ALL
12	Lassik	HRS	UC Davis	ALL
13	UC 1617	HRS	UC Davis	ALL
14	UC 1618	HRS	UC Davis	ALL
15	YS-11	HRS	Wagner Seed	ALL
16	Patwin	HWS	UC Davis	ALL
17	Capstone	HWS	AgriPro	ALL
18	OR4051328	HWS	OSU	ALL
19	OR4041268	SWS	OSU	ALL
20	Alturas	SWS	UI	ALL
21	Cataldo	SWS	UI	ALL
22	IDO671	SWS	UI	ALL
23	IDO644	SWS	UI	ALL
24	IDO 599	SWS	UI	ALL
25	IDO 686	SWS	UI	ALL
26	IDO 687	SWS	UI	ALL
27	Alpowa	SWS	WSU	ALL
28	Louise	SWS	WSU	ALL
29	JD	CLB	WSU	ALL
30	Diva	SWS	WSU	ALL
31	Whit	SWS	WSU	ALL
32	Babe	SWS	WSU	ALL
33	WA 8124	SWS	WSU	ALL
34	Merrill II	SWS	H. Lewis	ALL
35	HL 550	SWS	H. Lewis	ALL
36	Patwin 515	HWS	UC Davis	ALL
37	Clear White	HWS	UC Davis	ALL
38	Clear White 515	HWS	UC Davis	ALL
39	WB-FUZION	HRS	WestBred	ALL
40	WB-ROCKLAND	HRS	WestBred	ALL
41	WB-936		WestBred	TL ONLY

41 ENTRIES

TYPE: HRS = Hard Red Spring; HWS = Hard White Spring; CLB = Club

SOURCE: 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)

2011 LASSEN SPRING WHEAT
(2011 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)
<u>ENTRY</u>				
1	Kelse	4320 (18)	63.3	31
2	WA 8074	3840 (27)	63.7	28
3	Bullseye	4360 (15)	65.2	27
4	Cabernet	3680 (31)	63.4	24
5	Malbec	3230 (38)	63.4	26
6	Jefferson	3990 (22)	62.9	28
7	Winchester	4110 (19)	63.1	29
8	IDO 702	4560 (13)	62.9	31
9	Cerere	3650 (32)	61.4	25
10	Buck Pronto	3770 (30)	64.4	29
11	10 Fx Inc1	4430 (14)	63.8	27
12	Lassik	4330 (17)	63.1	25
13	UC 1617	3620 (34)	61.3	20
14	UC 1618	5000 (3)	63.6	26
15	YS-11	3780 (29)	64.5	26
16	Patwin	3640 (33)	62.0	21
17	Capstone	4570 (12)	64.2	24
18	OR4051328	4720 (8)	61.7	25
19	OR4041268	3900 (25)	62.7	29
20	Alturas	3980 (23)	62.6	28
21	Cataldo	4020 (21)	61.0	27
22	IDO671	3840 (28)	62.7	27
23	IDO644	4680 (9)	62.1	26
24	IDO 599	4870 (5)	63.1	28
25	IDO 686	5100 (2)	63.5	30
26	IDO 687	4350 (16)	64.1	30
27	Alpowa	5160 (1)	63.8	30
28	Louise	4740 (7)	63.1	34
29	JD	3920 (24)	63.0	27
30	Diva	4760 (6)	63.1	32
31	Whit	4110 (20)	62.9	28
32	Babe	4620 (11)	63.9	31
33	WA 8124	4640 (10)	63.9	30
34	Merrill II	3860 (26)	62.3	27
35	HL 550	4880 (4)	62.2	30
36	Patwin 515	3080 (40)	60.4	20
37	Clear White	3230 (39)	62.6	25
38	Clear White 515	3250 (37)	61.4	26
39	WB-FUZION	3280 (36)	62.4	28
40	WB-ROCKLAND	3280 (35)	61.2	25
	MEAN	4130	62.9	27
	CV	17.1	0.8	7
	LSD (.05)	990	1.0	4

Numbers in parentheses indicate relative rank in column.

2011 TULELAKE SPRING WHEAT
(2011 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Days To Heading (From 3/1)	Lodging Harvest	Protein %
ENTRY								
1	Kelse	7610 (21)	62.2	43.3	40	134	1.3	13.59
2	WA 8074	6940 (36)	61.4	40.7	39	132	5.5	13.10
3	Bullseye	6790 (40)	62.9	35.7	36	133	6.5	13.18
4	Cabernet	7190 (29)	60.7	33.8	34	132	1.0	13.66
5	Malbec	7150 (31)	61.5	40.5	35	132	1.0	13.66
6	Jefferson	7570 (24)	61.8	39.4	40	133	1.3	13.26
7	Winchester	7860 (15)	61.6	40.9	38	132	4.3	13.08
8	IDO 702	7740 (19)	61.3	36.6	41	133	3.5	13.31
9	Cerere	7760 (18)	60.7	36.7	37	139	1.0	12.56
10	Buck Pronto	7790 (16)	63.5	32.6	41	134	1.3	14.26
11	10 Fx Inc1	6840 (39)	62.4	37.4	40	132	3.0	13.42
12	Lassik	7130 (32)	60.1	32.5	35	134	1.3	12.92
13	UC 1617	7110 (33)	59.3	35.6	28	133	1.0	14.67
14	UC 1618	6860 (38)	60.8	32.9	33	134	1.0	12.64
15	YS-11	7770 (17)	64.0	43.1	39	133	1.3	12.59
16	Patwin	7200 (28)	58.6	30.1	33	136	1.0	13.93
17	Capstone	8040 (13)	62.4	39.7	35	130	1.3	13.03
18	OR4051328	8450 (9)	59.6	35.2	35	140	1.8	12.22
19	OR4041268	7570 (23)	60.6	30.5	38	135	6.8	11.82
20	Alturas	8300 (10)	61.6	35.8	42	133	2.3	11.45
21	Cataldo	8590 (6)	61.4	41.1	40	131	1.0	11.88
22	IDO671	8930 (3)	61.9	36.7	40	133	1.8	11.18
23	IDO644	7470 (26)	59.0	35.0	37	131	6.5	11.64
24	IDO 599	9100 (2)	61.8	37.4	39	131	3.8	11.01
25	IDO 686	8260 (12)	62.9	39.9	45	134	3.5	12.20
26	IDO 687	9390 (1)	63.0	36.6	43	134	2.0	10.95
27	Alpowa	8270 (11)	62.2	37.4	40	136	5.8	11.78
28	Louise	7290 (27)	59.4	43.8	39	133	5.0	11.89
29	JD	6930 (37)	61.6	38.6	43	136	4.5	13.50
30	Diva	7160 (30)	59.8	42.6	40	133	6.5	12.00
31	Whit	6510 (41)	59.3	35.1	40	132	6.8	12.85
32	Babe	8690 (5)	62.2	38.4	40	134	5.8	11.62
33	WA 8124	8720 (4)	61.1	34.6	41	135	7.3	10.94
34	Merrill II	8460 (8)	58.7	36.7	38	140	2.5	11.99
35	HL 550	8580 (7)	60.3	43.7	43	134	1.5	10.93
36	Patwin 515	7020 (35)	58.4	29.3	29	136	1.0	14.26
37	Clear White	7580 (22)	62.1	39.2	33	130	1.0	12.66
38	Clear White 515	7930 (14)	61.5	39.3	36	130	1.0	13.12
39	WB-FUZION	7040 (34)	61.3	37.5	40	130	2.0	14.12
40	WB-ROCKLAND	7620 (20)	62.0	36.6	31	133	1.0	14.05
41	WB-936	7490 (25)	59.9	40.2	37	132	2.8	13.28
	MEAN	7730	61.1	37.4	38	133	2.9	12.69
	CV	8	1.0	4.1	3.4	0.5	41.5	nd
	LSD (.05)	850	1.2	3.1	2	1	1.7	nd

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

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 SISKIYOU SPRING WHEAT
(2011 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Protein %
<u>ENTRY</u>						
1	Kelse	6450 (21)	62.6	39	1.0	15.39
2	WA 8074	5840 (36)	61.9	33	3.3	14.64
3	Bullseye	6130 (31)	63.8	37	3.3	14.93
4	Cabernet	6880 (13)	63.1	29	2.3	14.39
5	Malbec	6500 (20)	62.1	38	1.0	14.56
6	Jefferson	6340 (24)	61.9	31	2.8	14.93
7	Winchester	6330 (26)	62.4	34	3.8	14.33
8	IDO 702	6960 (12)	61.9	36	1.0	14.09
9	Cerere	6000 (34)	61.0	35	1.0	13.46
10	Buck Pronto	6770 (15)	63.9	38	1.3	15.88
11	10 Fx Inc1	6060 (32)	63.2	40	2.0	15.19
12	Lassik	6600 (18)	63.0	40	1.0	14.12
13	UC 1617	6250 (28)	60.8	39	1.0	14.88
14	UC 1618	6520 (19)	62.2	37	1.0	14.21
15	YS-11	7410 (9)	64.8	37	1.3	13.41
16	Patwin	6330 (25)	59.3	36	1.0	14.62
17	Capstone	7010 (10)	61.8	30	1.0	13.93
18	OR4051328	6380 (23)	60.1	37	1.5	14.17
19	OR4041268	6870 (14)	61.1	32	3.0	13.04
20	Alturas	7510 (7)	62.3	32	2.0	11.81
21	Cataldo	7580 (6)	61.5	39	1.0	12.47
22	IDO671	7900 (2)	62.6	38	1.8	11.81
23	IDO644	7800 (3)	61.0	37	1.8	11.56
24	IDO 599	7750 (5)	63.2	37	1.3	11.78
25	IDO 686	5920 (35)	63.2	34	5.0	12.98
26	IDO 687	8030 (1)	63.8	37	1.3	12.00
27	Alpowa	6170 (30)	62.2	31	3.0	14.40
28	Louise	5600 (37)	59.4	39	5.8	14.41
29	JD	5210 (39)	61.4	38	5.8	14.51
30	Diva	5070 (40)	60.8	36	5.0	13.97
31	Whit	6960 (11)	62.0	32	1.8	13.67
32	Babe	7430 (8)	63.8	38	3.0	13.66
33	WA 8124	6220 (29)	60.2	37	5.0	13.08
34	Merrill II	6750 (17)	60.3	39	2.5	13.24
35	HL 550	7780 (4)	60.8	33	1.0	11.85
36	Patwin 515	6270 (27)	60.8	34	1.0	15.06
37	Clear White	6440 (22)	62.5	41	1.0	14.27
38	Clear White 515	6020 (33)	61.2	39	1.0	16.38
39	WB-FUZION	6750 (16)	62.2	40	1.0	16.00
40	WB-ROCKLAND	5510 (38)	61.9	34	1.0	16.20
	MEAN	6590	62.0	36	2.1	13.98
	CV	7.8	1.3	11.7	59.7	nd
	LSD (.05)	720	1.7	6	1.8	nd

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

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 INTERMOUNTAIN SPRING WHEAT YIELD SUMMARY (LBS/ACRE)
 (2011 Oregon Spring Elite Yield Trial - OSEYT)

Entry	Name	Mean (3 Loc)	Lassen	Tulelake	Siskiyou
1	Kelse	6120 (18)	4320	7610	6450
2	WA 8074	5540 (37)	3840	6940	5840
3	Bullseye	5760 (29)	4360	6790	6130
4	Cabernet	5910 (24)	3680	7190	6880
5	Malbec	5630 (36)	3230	7150	6500
6	Jefferson	5960 (23)	3990	7570	6340
7	Winchester	6100 (21)	4110	7860	6330
8	IDO 702	6420 (14)	4560	7740	6960
9	Cerere	5800 (27)	3650	7760	6000
10	Buck Pronto	6110 (20)	3770	7790	6770
11	10 Fx Inc1	5780 (28)	4430	6840	6060
12	Lassik	6020 (22)	4330	7130	6600
13	UC 1617	5660 (35)	3620	7110	6250
14	UC 1618	6130 (17)	5000	6860	6520
15	YS-11	6320 (16)	3780	7770	7410
16	Patwin	5720 (32)	3640	7200	6330
17	Capstone	6540 (9)	4570	8040	7010
18	OR4051328	6520 (12)	4720	8450	6380
19	OR4041268	6110 (19)	3900	7570	6870
20	Alturas	6600 (8)	3980	8300	7510
21	Cataldo	6730 (6)	4020	8590	7580
22	IDO671	6890 (5)	3840	8930	7900
23	IDO644	6650 (7)	4680	7470	7800
24	IDO 599	7240 (2)	4870	9100	7750
25	IDO 686	6430 (13)	5100	8260	5920
26	IDO 687	7250 (1)	4350	9390	8030
27	Alpowa	6530 (10)	5160	8270	6170
28	Louise	5880 (25)	4740	7290	5600
29	JD	5350 (40)	3920	6930	5210
30	Diva	5660 (34)	4760	7160	5070
31	Whit	5860 (26)	4110	6510	6960
32	Babe	6910 (4)	4620	8690	7430
33	WA 8124	6530 (11)	4640	8720	6220
34	Merrill II	6360 (15)	3860	8460	6750
35	HL 550	7080 (3)	4880	8580	7780
36	Patwin 515	5460 (39)	3080	7020	6270
37	Clear White	5750 (30)	3230	7580	6440
38	Clear White 515	5730 (31)	3250	7930	6020
39	WB-FUZION	5690 (33)	3280	7040	6750
40	WB-ROCKLAND	5470 (38)	3280	7620	5510
	MEAN	6130	4130	7730	6590
	CV	10.2	17.1	7.9	7.8
	LSD (.05)	500	990	850	720

Numbers in parentheses indicate relative rank in column.

2011 UC INTERMOUNTAIN WINTER WHEAT TEST
(2011 Oregon Winter Elite Yield Trial - OSEYT)

Entry	Name	Type	Source	Grown At
1	Stephens	SWW	FSD	Tulelake
2	Madsen	SWW	FSD	Tulelake
3	Tubbs-06	SWW	FSD	Tulelake
4	ORSS-1757	SWW	FSD	Tulelake
5	Goetze	SWW	FSD	Tulelake
6	Skiles	SWW	FSD	Tulelake
7	Goetze/Skiles	SWW	FSD	Tulelake
8	Brundage 96	SWW	U of I	Tulelake
9	Bruneau	SWW	U of I	Tulelake
10	96-16702A	SWW	U of I	Tulelake
11	IDO 663	SWW	U of I	Tulelake
12	Xerpha	SWW	FSD	Tulelake
13	WA 8092	SWW	WSU	Tulelake
14	NSA06-2153A	SWW	Limagrain	Tulelake
15	Westbred 528	SWW	WB	Tulelake
16	BZ6W02-616	SWW	WB	Tulelake
17	Legion	SWW	AP	Tulelake
18	AP Legacy	SWW	AP	Tulelake
19	AP Badger	SWW	AP	Tulelake
20	03PN-108#21	SWW	AP	Tulelake
21	ORCF-101	SWW	FSD	Tulelake
22	ORCF-101R	SWW	FSD	Tulelake
23	ORCF-102	SWW	FSD	Tulelake
24	ORCF-103	SWW	FSD	Tulelake
25	ORI2101835	SWW	CFEFF	Tulelake
26	ORI2101839	SWW	CFEFF	Tulelake
27	UICF-Brundage	SWW	U of I	Tulelake
28	AP700CL	SWW	AP	Tulelake
29	WB 1066CL	SWW	WB	Tulelake
30	Coda	Club	FSD	Tulelake
31	Cara	Club	FSD	Tulelake
32	ARS970042-1C	Club	ARS	Tulelake
33	ARS98X402-1C	Club	ARS	Tulelake
34	ARS97230-6C	Club	ARS	Tulelake
35	OR2040726	SWW	DS	Tulelake
36	OR2060395	SWW	DS	Tulelake
37	OR2070385	SWW	DS	Tulelake
38	OR2070608	SWW	DS	Tulelake
39	OR2070870	SWW	DS	Tulelake
40	OR2071029	SWW	DS	Tulelake
41	OR2071071	SWW	DS	Tulelake
42	OR2071628	SWW	DS	Tulelake
43	OR2071073	SWW	SWADV1	Tulelake
44	OR2080641	SWW	SWADV2	Tulelake
45	OR08047P94	SWW	SWADV3	Tulelake

45 ENTRIES

TYPE: SWW = Soft White Winter

1 location: UC IREC (Tulelake)

2011 TULELAKE WINTER WHEAT TEST
(2011 Oregon Winter Elite Yield Trial - OSEYT)

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000 Kernel Wt (g)	Plant Ht (in)	Days To Heading (From 3/1)	Protein %
ENTRY							
1	Stephens	8490 (26)	58.5	53.3	36	124	8.40
2	Madsen	8080 (35)	59.4	44.1	35	127	8.71
3	Tubbs-06	9020 (8)	58.9	47.3	40	126	8.20
4	ORSS-1757	7990 (39)	58.6	42.5	37	125	8.80
5	Goetze	8020 (36)	58.2	44.5	33	122	8.64
6	Skiles	7950 (40)	60.5	45.8	35	127	9.07
7	Goetze/Skiles	8480 (27)	58.8	42.6	34	122	9.04
8	Brundage 96	8580 (22)	59.2	41.3	35	125	8.33
9	Bruneau	9380 (3)	59.0	41.7	39	127	8.41
10	96-16702A	9700 (1)	60.2	48.1	42	124	8.46
11	IDO 663	9140 (6)	59.2	46.5	36	124	8.51
12	Xerpha	8930 (10)	59.2	50.7	37	125	8.90
13	WA 8092	8320 (29)	59.0	42.4	44	128	8.37
14	NSA06-2153A	8710 (18)	58.9	44.9	32	122	8.14
15	Westbred 528	8610 (20)	60.2	44.0	34	123	9.03
16	BZ6W02-616	9110 (7)	60.3	43.4	35	122	9.11
17	Legion	9600 (2)	58.6	50.7	41	125	8.63
18	AP Legacy	8740 (16)	59.6	50.2	38	126	8.46
19	AP Badger	8540 (25)	57.8	46.3	33	126	8.98
20	03PN-108#21	8710 (17)	59.5	52.1	36	125	8.33
21	ORCF-101	8000 (38)	58.8	51.3	34	125	8.75
22	ORCF-101R	8170 (31)	59.3	45.8	34	126	9.28
23	ORCF-102	8310 (30)	58.6	46.0	37	127	9.11
24	ORCF-103	8760 (15)	58.2	46.5	39	128	8.45
25	ORI2101835	8120 (33)	59.1	44.0	37	127	8.92
26	ORI2101839	8580 (23)	58.7	46.9	37	126	8.68
27	UICF-Brundage	8960 (9)	59.3	40.9	33	125	8.70
28	AP700CL	8630 (19)	59.7	49.3	39	125	8.32
29	WB 1066CL	7830 (43)	62.0	47.4	42	123	9.11
30	Coda	7920 (41)	60.6	37.6	39	128	9.39
31	Cara	7810 (44)	56.8	36.1	36	129	9.16
32	ARS970042-1C	8160 (32)	58.3	40.1	36	129	9.02
33	ARS98X402-1C	8470 (28)	58.5	37.0	38	128	8.57
34	ARS97230-6C	8540 (24)	58.8	40.0	35	129	8.46
35	OR2040726	9380 (4)	59.9	45.3	34	124	8.81
36	OR2060395	7400 (45)	55.9	49.9	34	128	8.73
37	OR2070385	8110 (34)	58.0	44.6	34	123	8.42
38	OR2070608	8010 (37)	58.4	45.0	33	127	8.31
39	OR2070870	7840 (42)	59.0	46.9	33	126	9.50
40	OR2071029	8610 (21)	58.0	43.1	33	127	8.23
41	OR2071071	8830 (13)	57.4	46.1	33	126	8.05
42	OR2071628	8770 (14)	58.3	39.2	34	125	8.56
43	OR2071073	8910 (12)	58.5	45.5	34	127	8.72
44	OR2080641	9340 (5)	59.0	44.9	36	124	8.10
45	OR08047P94	8910 (11)	58.6	48.2	33	125	8.75
	MEAN	8540	58.9	45.1	36	125	8.68
	CV	4.3	0.5	4.7	2.9	0.5	nd
	LSD (.05)	510	0.6	4.3	1	1	nd

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 UC REGIONAL DURUM WHEAT ENTRY LIST

Entry	Name	Parentage	Source	Grown At
<u>CULTIVARS</u>				
878	DURAKING	MSFRS QUALITY DESERT DURUM POPULATION	WWW	ALL
951	KRONOS	APB MSFRS POP SEL (D03-21)	APB	ALL
1166	CROWN	MSFRS QUALITY DESERT DURUM POPULATION	WWW	ALL
1210	PLATINUM	MSFRS QUALITY DESERT DURUM POPULATION	WWW	ALL
1211	TOPPER	WWW MSFRS Durum Quality Population	WWW	ALL
1215	ORITA	PH888-118-5/WPB 881	WB	IMPERIAL
1375	DESERT KING	Selection of INTER-11	UCD	ALL
1429	FORTISSIMO	VIC/LDS//ALDURA/881	RSI	ALL
1430	RSI 59	ALDURA/881//MEX75	RSI	ALL
1431	VOLANTE	ALDURA/881//CND	RSI	ALL
1440	HELIOS	MSFRS pop. Matt α male	APB	ALL
1473	Q-MAX	MSFRS Desert Durum Quality Population	WWW	ALL
1479	HAVASU	Kofa//Mohawk//Express/Karl	WB	IMPERIAL
1484	WESTMORE	B.C. Selection UCD High Protein x APB 257	APB	ALL
1582	MAESTRALE		ALLSTAR	ALL
1583	SARAGOLLA		ALLSTAR	ALL
1585	TIPAI	Kofa/UC1113//UC1113	UCD	ALL
1589	NORMANNO		ALLSTAR	ALL
<u>ADVANCED LINES</u>				
1627	DESERT KING HP	Desert King Gpc BC5	UCD	ALL
1640	D1-2	D94-1 x MSFRS Population Az	APB	ALL
1646	UCD 09220/135	TACNA/UC1113-HP	UCD	ALL
1677	RS001	50% DESERT KING-HP // 50% Tipai	RUBIN	IMPERIAL
1678	RS002	25% DESERT KING-HP // 75% Tipai	RUBIN	IMPERIAL
1689	UC 1689	UC1308 2+12	UCD	ALL
1690	UC 1690	WWW D6523/UC1308	UCD	ALL
1691	UC 1691	UC1406/UC1308	UCD	ALL
1692	UC 1692	WWW D6523/UC1308	UCD	ALL
1693	UC 1693	UC1375/UC1308	UCD	ALL
1694	D6575D		WWW	ALL
1695	NDPRD3D13		WWW	ALL
1696	UT07412		WWW	ALL
1697	KIKO NICK		LIMAGRAIN	ALL
1698	05E2844		LIMAGRAIN	ALL
1701	D1-7AL	D94-1 X MSFRS Pops	APB	ALL
1702	D1-35	D94-1 X MSFRS Pops	APB	ALL
1707	07W60122		RSI	FRESNO, KINGS, KERN
1708	08W65113		RSI	FRESNO, KINGS, KERN
1709	RS003	50% Desert King/50% Desert King-HP	RUBIN	IMPERIAL

38 ENTRIES

SOURCE: ALLSTAR = All-Star Seed Co.; APB = Arizona Plant Breeders; RSI = Resource Seeds, Inc.;
 UCD = University of California Davis; WB = Westbred, LLC; WWW = World Wide Wheat;
 LIMAGRAIN = Limagrain Seeds; RUBIN = Rubin Seeds, LLC

2011 DAVIS DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Days To		Lodging Harvest	Stripe Rust 5/30	BYDV 5/30	Black Point	Protein %
				Kernel Wt (g)	Plant Ht (in)	Heading (From 3/1)	Maturity					
<u>CULTIVARS</u>												
	878 DURAKING	5140 (23)	59.1	53.9	30	63	107	1.8	2.0	1.0	2.0	13.04
	951 KRONOS	5180 (22)	57.5	56.5	34	58	102	2.3	4.0	2.8	1.0	13.68
	1166 CROWN	5080 (25)	58.5	55.0	32	67	110	1.5	1.0	1.0	1.5	12.33
	1210 PLATINUM	6030 (5)	60.6	51.0	31	61	106	2.0	1.0	1.3	1.0	11.71
	1211 TOPPER	4890 (27)	55.2	47.1	32	63	106	1.3	2.0	1.3	3.5	12.56
	1375 DESERT KING	6220 (2)	60.5	52.4	31	63	106	1.0	1.0	1.3	1.0	11.24
	1429 FORTISSIMO	6030 (7)	61.5	50.4	32	64	107	1.0	1.0	1.0	1.0	12.32
	1430 RSI 59	5980 (9)	61.4	51.8	34	65	109	1.3	2.3	1.0	2.0	10.56
	1431 VOLANTE	6090 (3)	59.2	53.7	31	63	108	1.0	1.0	1.0	2.0	12.22
	1440 HELIOS	5470 (19)	60.5	52.4	33	63	107	2.0	2.5	1.8	2.5	12.52
	1473 Q-MAX	4200 (30)	57.3	60.8	32	68	112	3.0	1.0	1.0	1.5	12.34
	1484 WESTMORE	5620 (16)	59.6	46.6	31	60	103	2.3	1.0	1.3	1.5	12.80
	1582 MAESTRALE	5510 (18)	60.6	51.9	34	62	106	2.3	1.5	1.3	1.5	12.06
	1583 SARAGOLLA	5630 (15)	59.4	50.8	32	65	108	1.8	2.5	1.3	2.5	12.20
	1585 TIPAI	5560 (17)	59.3	55.7	33	64	108	3.0	3.8	1.5	1.5	12.55
	1589 NORMANNO	3510 (31)	60.0	54.0	29	69	112	2.5	3.0	1.5	1.0	11.83
<u>ADVANCED LINES</u>												
	1627 DESERT KING HP	5290 (21)	58.1	51.5	33	57	102	1.0	1.3	1.0	1.0	13.73
	1640 D1-2	5460 (20)	59.8	61.2	32	63	107	1.8	1.3	1.8	2.0	12.02
	1646 UCD 09220/135	4760 (29)	59.3	53.6	36	62	106	3.3	3.5	2.3	2.0	13.78
	1689 UC 1689	5140 (24)	58.1	52.3	33	64	109	1.5	4.3	1.3	1.0	12.64
	1690 UC 1690	4790 (28)	59.1	58.7	32	66	109	1.5	2.8	2.5	1.0	12.42
	1691 UC 1691	5790 (11)	58.7	56.3	33	60	103	3.3	1.3	1.0	1.0	13.02
	1692 UC 1692	5660 (13)	61.5	59.7	35	64	109	2.0	1.0	1.5	1.0	11.72
	1693 UC 1693	5630 (14)	59.7	60.5	34	64	108	2.8	2.3	1.0	2.0	12.63
	1694 D6575D	4920 (26)	58.7	47.4	32	65	109	1.3	1.0	1.8	1.5	12.54
	1695 NDPRD3D13	5700 (12)	60.6	49.5	34	63	108	1.3	2.0	1.0	1.5	11.11
	1696 UT07412	6030 (6)	60.9	61.3	34	61	106	2.0	3.8	1.8	2.0	11.41
	1697 KIKO NICK	6010 (8)	58.9	58.0	33	60	105	1.3	1.0	1.3	1.0	12.41
	1698 05E2844	6080 (4)	59.9	54.6	34	63	107	1.5	2.5	1.5	2.0	11.50
	1701 D1-7AL	5940 (10)	58.4	47.2	33	66	109	1.5	1.3	1.3	3.0	11.62
	1702 D1-35	6380 (1)	57.7	54.1	32	59	104	2.3	1.0	2.3	1.0	13.41
	MEAN	5470	59.3	53.8	33.0	63.0	107.0	1.9	2.0	1.4	1.6	12.32
	CV	10.3	2.8	4.7	5.0	2.5	1.4	32.2	19.3	38.8	29.9	nd
	LSD (.05)	790	ns	5.2	ns	2	2	0.8	0.5	0.8	1.0	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 FRESNO DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Lodging Harvest	Shatter	Stripe Rust 5/2	BYDV 5/2	Black Point	Protein %
				Kernel Wt (g)	Plant Ht (in)						
<u>CULTIVARS</u>											
	878 DURAKING	6320 (32)	62.3	51.6	38	1.0	1.0	3.0	1.0	1.0	-
	951 KRONOS	6790 (27)	63.5	60.7	39	4.8	1.0	3.0	1.0	1.0	13.29
	1166 CROWN	7360 (13)	63.1	54.4	41	1.8	1.5	1.3	1.0	1.5	13.45
	1210 PLATINUM	7320 (14)	63.8	58.2	35	3.5	1.3	1.0	1.0	1.0	11.85
	1211 TOPPER	7910 (5)	64.7	47.0	42	1.0	1.0	1.8	1.3	1.0	12.19
	1375 DESERT KING	8020 (2)	65.0	54.4	41	1.5	1.0	1.0	1.0	1.5	12.90
	1429 FORTISSIMO	7790 (6)	63.7	51.7	38	1.8	1.0	1.0	1.0	1.5	13.20
	1430 RSI 59	7580 (9)	64.2	50.4	39	2.5	2.3	1.0	1.0	1.0	12.55
	1431 VOLANTE	7970 (4)	65.1	60.0	39	1.0	1.3	1.0	1.0	1.0	12.48
	1440 HELIOS	7770 (7)	63.4	53.2	39	2.8	1.5	1.8	1.0	1.0	13.13
	1473 Q-MAX	6100 (33)	62.1	60.1	42	1.8	2.0	1.0	1.3	2.0	13.04
	1484 WESTMORE	7710 (8)	63.3	44.2	40	2.0	1.0	1.0	1.0	1.5	14.30
	1582 MAESTRALE	7160 (19)	64.4	53.7	42	5.3	1.8	1.8	1.0	1.0	13.72
	1583 SARAGOLLA	7530 (11)	65.0	53.5	39	3.3	1.0	2.0	1.0	1.0	12.05
	1585 TIPAI	6940 (26)	64.1	57.3	37	5.8	1.8	2.8	1.3	1.0	12.26
	1589 NORMANNO	6780 (28)	64.2	53.1	41	2.0	1.0	3.0	1.0	1.0	12.89
<u>ADVANCED LINES</u>											
	1627 DESERT KING HP	6980 (24)	62.7	51.0	39	1.3	1.3	1.3	1.0	1.0	14.46
	1640 D1-2	7450 (12)	63.0	67.8	35	4.8	1.3	1.0	1.0	2.0	13.70
	1646 UCD 09220/135	7040 (23)	63.9	53.6	40	4.3	1.5	2.0	1.0	1.0	13.59
	1689 UC 1689	6440 (31)	64.4	52.8	41	3.0	1.3	3.0	1.3	1.0	12.88
	1690 UC 1690	7050 (22)	64.6	61.7	39	3.0	1.3	2.0	1.0	1.0	12.51
	1691 UC 1691	7220 (16)	64.7	56.1	39	6.3	1.0	1.0	1.0	1.0	13.42
	1692 UC 1692	6650 (30)	64.7	59.1	41	2.8	1.8	1.3	1.0	1.0	12.87
	1693 UC 1693	7110 (20)	65.4	62.0	38	4.0	1.8	1.5	1.0	2.0	13.68
	1694 D6575D	7090 (21)	64.5	50.6	39	1.3	1.0	1.0	1.0	1.0	12.02
	1695 NDPRD3D13	7200 (18)	64.0	52.3	39	4.3	1.5	1.5	1.0	1.5	11.46
	1696 UT07412	7320 (14)	63.0	59.8	39	2.8	1.0	2.3	1.0	1.5	13.46
	1697 KIKO NICK	8170 (1)	63.8	60.5	40	3.5	1.8	1.0	1.0	2.0	13.06
	1698 05E2844	6690 (29)	63.0	57.3	40	5.3	1.0	1.3	1.0	1.0	12.98
	1701 D1-7AL	8010 (3)	64.7	50.0	40	2.0	1.3	1.8	1.0	1.5	11.09
	1702 D1-35	6980 (24)	62.6	55.9	42	4.8	1.5	1.8	1.0	1.0	11.56
	1707 07W60122	7540 (10)	64.2	60.0	38	1.8	1.3	1.5	1.0	1.0	12.74
	1708 08W65113	7220 (16)	62.8	53.6	39	3.5	1.5	2.0	1.0	1.0	13.64
	MEAN	7250	63.9	55.4	39	3.0	1.3	1.6	1.0	1.2	12.89
	CV	10.8	1.4	4.1	3.8	44.3	51.7	35.0	17.2	27.2	nd
	LSD (.05)	1100	1.9	4.7	3	1.9	ns	0.8	ns	0.7	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 KINGS DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Stripe Rust 5/16	BYDV 5/16	Protein %
<u>CULTIVARS</u>								
	878 DURAKING	8000 (25)	64.1	38	5.3	1.0	1.8	11.89
	951 KRONOS	7340 (32)	63.0	37	6.8	2.3	1.3	13.78
	1166 CROWN	7910 (26)	61.8	40	4.8	1.0	1.3	12.88
	1210 PLATINUM	8170 (22)	63.7	36	7.0	1.0	1.3	12.27
	1211 TOPPER	8970 (7)	63.9	41	3.0	1.8	1.8	12.25
	1375 DESERT KING	9120 (4)	64.2	38	5.5	1.0	1.0	12.48
	1429 FORTISSIMO	8450 (13)	62.6	39	6.8	1.0	1.0	13.60
	1430 RSI 59	8650 (10)	62.9	38	5.5	1.5	1.0	12.48
	1431 VOLANTE	8420 (16)	63.2	35	4.0	1.0	1.0	12.54
	1440 HELIOS	7590 (28)	62.8	39	6.5	1.0	1.0	13.29
	1473 Q-MAX	7360 (31)	61.4	42	3.0	1.0	1.5	13.06
	1484 WESTMORE	8270 (19)	63.2	36	7.3	1.0	1.3	14.34
	1582 MAESTRALE	8990 (6)	65.0	40	7.8	1.5	1.5	12.35
	1583 SARAGOLLA	8780 (8)	64.7	38	7.5	3.0	1.0	12.42
	1585 TIPAI	8260 (21)	63.7	40	7.8	1.8	1.0	13.00
	1589 NORMANNO	7470 (30)	63.2	40	4.5	2.3	2.0	12.53
<u>ADVANCED LINES</u>								
	1627 DESERT KING HP	7850 (27)	63.1	37	6.8	1.0	1.0	13.07
	1640 D1-2	8010 (24)	62.0	32	5.3	1.0	1.0	13.09
	1646 UCD 09220/135	8260 (20)	63.7	40	7.3	1.3	1.5	13.25
	1689 UC 1689	8730 (9)	65.1	38	7.3	2.5	1.3	12.01
	1690 UC 1690	9550 (1)	64.7	38	4.8	1.5	1.0	12.53
	1691 UC 1691	9410 (2)	65.4	39	7.5	1.0	1.0	13.01
	1692 UC 1692	8610 (11)	64.1	41	6.8	1.0	1.3	12.85
	1693 UC 1693	8400 (17)	65.2	40	5.5	1.3	1.5	12.42
	1694 D6575D	8100 (23)	64.4	38	5.0	1.0	1.0	12.34
	1695 NDPRD3D13	8440 (14)	62.8	37	5.3	1.3	1.0	11.36
	1696 UT07412	7310 (33)	62.7	38	7.0	2.3	1.3	12.75
	1697 KIKO NICK	8420 (15)	62.9	38	7.5	1.0	1.0	12.39
	1698 05E2844	8370 (18)	64.6	37	7.8	1.5	1.3	10.59
	1701 D1-7AL	9370 (3)	64.3	37	7.3	1.5	1.0	10.60
	1702 D1-35	7510 (29)	61.0	36	7.0	1.0	1.0	13.20
	1707 07W60122	9000 (5)	63.4	37	2.3	1.3	1.0	12.27
	1708 08W65113	8600 (12)	63.9	39	5.8	1.0	1.0	12.27
	MEAN	8360	63.5	38	6.0	1.4	1.2	12.58
	CV	6.3	0.4	3.6	21.2	29.4	32.9	nd
	LSD (.05)	740	0.6	3	1.8	0.6	0.6	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 KERN DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	BYDV		Protein %
						Early 4/21	Late 5/17	
<u>CULTIVARS</u>								
	878 DURAKING	3730 (31)	62.8	35	1.0	1.8	1.8	9.59
	951 KRONOS	7160 (10)	62.6	38	1.5	2.0	2.0	11.38
	1166 CROWN	3770 (30)	61.9	40	1.3	1.3	1.3	9.81
	1210 PLATINUM	4310 (28)	63.3	36	1.0	1.3	1.8	9.93
	1211 TOPPER	5470 (25)	64.5	39	1.0	1.0	1.0	9.97
	1375 DESERT KING	7180 (9)	64.8	39	1.0	1.3	1.3	9.49
	1429 FORTISSIMO	6040 (22)	63.1	36	1.0	1.0	1.0	10.82
	1430 RSI 59	7100 (11)	64.1	38	1.0	1.0	1.0	9.43
	1431 VOLANTE	6670 (13)	64.0	35	1.0	1.0	1.3	10.34
	1440 HELIOS	6330 (18)	62.9	40	1.3	1.0	1.5	10.22
	1473 Q-MAX	3700 (32)	61.4	42	1.0	1.0	1.0	8.43
	1484 WESTMORE	6760 (12)	63.5	39	1.5	1.0	1.0	9.57
	1582 MAESTRALE	5930 (23)	64.5	42	1.3	1.0	1.0	9.32
	1583 SARAGOLLA	7520 (5)	63.9	39	1.3	1.8	2.5	9.51
	1585 TIPAI	6230 (20)	64.3	40	1.3	1.8	1.8	9.82
	1589 NORMANNO	2780 (33)	63.4	32	1.0	1.8	1.8	9.49
<u>ADVANCED LINES</u>								
	1627 DESERT KING HP	4960 (26)	62.6	38	1.0	1.0	1.0	10.44
	1640 D1-2	4880 (27)	62.1	34	1.3	3.0	3.0	11.33
	1646 UCD 09220/135	6340 (17)	64.3	41	1.5	1.3	1.3	10.35
	1689 UC 1689	7600 (2)	65.6	38	1.0	1.3	1.8	10.10
	1690 UC 1690	7720 (1)	64.2	39	1.0	1.0	1.0	10.65
	1691 UC 1691	7530 (4)	64.5	39	1.3	1.5	1.8	9.84
	1692 UC 1692	7330 (7)	63.9	38	1.0	1.3	1.3	9.52
	1693 UC 1693	7470 (6)	65.4	41	1.0	1.5	1.8	10.20
	1694 D6575D	4170 (29)	63.5	37	1.0	1.5	2.0	8.89
	1695 NDPRD3D13	5910 (24)	63.1	37	1.0	1.3	1.3	9.60
	1696 UT07412	6080 (21)	62.3	37	1.0	1.0	1.0	9.59
	1697 KIKO NICK	7560 (3)	63.5	39	1.3	1.3	1.3	9.76
	1698 05E2844	6510 (15)	64.3	39	1.3	1.0	1.0	9.76
	1701 D1-7AL	7220 (8)	64.7	40	1.0	1.0	1.0	9.26
	1702 D1-35	6290 (19)	61.6	37	1.0	2.3	2.3	10.46
	1707 07W60122	6450 (16)	63.9	36	1.0	1.5	1.5	9.58
	1708 08W65113	6610 (14)	63.6	39	1.0	1.0	1.0	10.01
	MEAN	6100	63.6	38	1.1	1.3	1.5	9.89
	CV	21.8	0.6	2.5	29.5	43.5	50.6	nd
	LSD (.05)	1870	0.8	2.0	ns	0.8	1.0	nd

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 IMPERIAL DURUM WHEAT

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000	Plant Ht (in)	Days To		Lodging Harvest	Shatter	Protein %
				Kernel Wt (g)		Heading	Maturity			
						(From 1/1)				
<u>CULTIVARS</u>										
	878 DURAKING	4130 (36)	52.8	26.6	33	79	118	1.5	1.0	16.80
	951 KRONOS	5470 (12)	53.8	35.3	32	65	116	2.8	1.0	16.01
	1166 CROWN	5130 (21)	55.0	36.6	37	81	124	2.8	1.0	16.33
	1210 PLATINUM	5270 (16)	55.8	30.8	31	80	121	1.3	1.0	17.53
	1211 TOPPER	5340 (15)	56.3	34.1	34	82	127	1.0	1.0	14.87
	1215 ORITA	5980 (3)	53.0	35.8	32	79	123	1.3	1.0	18.02
	1375 DESERT KING	5080 (23)	52.5	33.6	33	81	124	1.3	1.0	18.01
	1429 FORTISSIMO	4710 (29)	54.3	32.4	34	82	124	1.5	1.0	17.14
	1430 RSI 59	5380 (14)	55.5	32.0	34	81	124	1.5	1.0	17.84
	1431 VOLANTE	4600 (33)	54.3	32.7	30	78	123	1.8	1.0	16.73
	1440 HELIOS	5620 (7)	57.8	34.9	33	72	117	1.5	1.0	15.90
	1473 Q-MAX	5020 (25)	56.3	38.5	38	83	129	2.0	1.0	14.99
	1479 HAVASU	6020 (2)	59.8	41.0	35	79	122	2.3	1.0	16.34
	1484 WESTMORE	5420 (13)	55.3	29.6	34	79	120	5.0	1.0	16.94
	1582 MAESTRALE	4990 (26)	57.3	32.9	37	78	119	3.5	1.0	15.66
	1583 SARAGOLLA	4630 (31)	57.3	34.8	33	79	120	2.8	1.0	16.28
	1585 TIPAI	5860 (5)	58.0	33.2	36	80	117	3.0	1.0	15.91
	1589 NORMANNO	4470 (35)	57.8	36.4	35	85	131	2.3	1.0	15.97
<u>ADVANCED LINES</u>										
	1627 DESERT KING HP	4520 (34)	50.5	29.1	32	80	118	1.5	1.0	17.98
	1640 D1-2	5540 (10)	55.0	37.1	32	81	124	1.8	1.0	17.80
	1646 UCD 09220/135	4920 (27)	56.0	36.9	37	81	123	2.0	1.0	17.17
	1677 RS001	6120 (1)	57.8	38.0	36	80	124	2.5	1.0	16.24
	1678 RS002	5950 (4)	56.8	41.4	35	80	120	2.3	1.0	15.85
	1689 UC 1689	5160 (18)	59.0	38.5	34	81	127	1.8	1.0	15.84
	1690 UC 1690	4630 (32)	54.0	36.1	34	80	125	1.0	1.0	17.07
	1691 UC 1691	5070 (24)	55.0	31.8	35	80	120	1.0	1.0	17.36
	1692 UC 1692	5090 (22)	57.5	37.3	37	80	124	1.3	1.0	16.66
	1693 UC 1693	5260 (17)	57.3	42.5	36	78	123	2.3	1.0	16.22
	1694 D6575D	5130 (20)	57.3	33.2	35	83	125	1.3	1.0	16.93
	1695 NDPRD3D13	4650 (30)	56.8	33.8	32	79	122	2.0	1.0	16.39
	1696 UT07412	5530 (11)	56.5	37.9	32	75	118	2.0	1.0	16.20
	1697 KIKO NICK	5560 (8)	55.0	33.5	35	77	117	2.3	1.5	16.13
	1698 05E2844	5140 (19)	57.0	34.4	33	80	119	2.8	1.0	14.28
	1701 D1-7AL	5550 (9)	56.3	30.0	34	80	118	3.0	1.0	15.28
	1702 D1-35	4860 (28)	51.3	39.1	33	76	117	2.3	1.3	16.79
	1709 RS003	5700 (6)	54.0	32.7	35	80	125	1.3	1.0	17.57
	MEAN	5210	55.7	34.8	34	79	122	2.0	1.0	16.53
	CV	15.5	4.4	9.1	4.8	1.3	0.9	39.4	18.3	nd
	LSD (.05)	ns	3.5	6.4	2.0	1.0	2.0	1.1	ns	nd

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

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

Numbers in parentheses indicate relative rank in column.

Protein is expressed at 12% moisture

2011 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	16.80 (14)	11.51 (27)	13.04	11.89	-	9.59
951	KRONOS	16.01 (26)	13.03 (1)	13.68	13.78	13.29	11.38
1166	CROWN	16.33 (20)	12.12 (11)	12.33	12.88	13.45	9.81
1210	PLATINUM	17.53 (7)	11.44 (29)	11.71	12.27	11.85	9.93
1211	TOPPER	14.87 (35)	11.74 (20)	12.56	12.25	12.19	9.97
1215	ORITA	18.02 (1)	-	-	-	-	-
1375	DESERT KING	18.01 (2)	11.53 (26)	11.24	12.48	12.90	9.49
1429	FORTISSIMO	17.14 (10)	12.49 (6)	12.32	13.60	13.20	10.82
1430	RSI 59	17.84 (4)	11.26 (30)	10.56	12.48	12.55	9.43
1431	VOLANTE	16.73 (16)	11.90 (17)	12.22	12.54	12.48	10.34
1440	HELIOS	15.90 (29)	12.29 (8)	12.52	13.29	13.13	10.22
1473	Q-MAX	14.99 (34)	11.72 (22)	12.34	13.06	13.04	8.43
1479	HAVASU	16.34 (19)	-	-	-	-	-
1484	WESTMORE	16.94 (12)	12.75 (3)	12.80	14.34	14.30	9.57
1582	MAESTRALE	15.66 (32)	11.86 (18)	12.06	12.35	13.72	9.32
1583	SARAGOLLA	16.28 (21)	11.55 (24)	12.20	12.42	12.05	9.51
1585	TIPAI	15.91 (28)	11.91 (14)	12.55	13.00	12.26	9.82
1589	NORMANNO	15.97 (27)	11.69 (23)	11.83	12.53	12.89	9.49
<u>ADVANCED LINES</u>							
1627	DESERT KING HP	17.98 (3)	12.93 (2)	13.73	13.07	14.46	10.44
1640	D1-2	17.80 (5)	12.54 (5)	12.02	13.09	13.70	11.33
1646	UCD 09220/135	17.17 (9)	12.74 (4)	13.78	13.25	13.59	10.35
1677	RS001	16.24 (22)	-	-	-	-	-
1678	RS002	15.85 (30)	-	-	-	-	-
1689	UC 1689	15.84 (31)	11.91 (14)	12.64	12.01	12.88	10.10
1690	UC 1690	17.07 (11)	12.03 (12)	12.42	12.53	12.51	10.65
1691	UC 1691	17.36 (8)	12.32 (7)	13.02	13.01	13.42	9.84
1692	UC 1692	16.66 (17)	11.74 (21)	11.72	12.85	12.87	9.52
1693	UC 1693	16.22 (23)	12.23 (9)	12.63	12.42	13.68	10.20
1694	D6575D	16.93 (13)	11.45 (28)	12.54	12.34	12.02	8.89
1695	NDPRD3D13	16.39 (18)	10.88 (32)	11.11	11.36	11.46	9.60
1696	UT07412	16.20 (24)	11.80 (19)	11.41	12.75	13.46	9.59
1697	KIKO NICK	16.13 (25)	11.91 (16)	12.41	12.39	13.06	9.76
1698	05E2844	14.28 (36)	11.21 (31)	11.50	10.59	12.98	9.76
1701	D1-7AL	15.28 (33)	10.64 (33)	11.62	10.60	11.09	9.26
1702	D1-35	16.79 (15)	12.16 (10)	13.41	13.20	11.56	10.46
1707	07W60122	-	11.53 (25)	-	12.27	12.74	9.58
1708	08W65113	-	11.97 (13)	-	12.27	13.64	10.01
1709	RS003	17.57 (6)	-	-	-	-	-

Grain Protein % expressed at 12% moisture

Numbers in parentheses indicate relative rank in column.

2011 KINGS 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																		
CULTIVARS																											
878	DURAKING	11.89	1.59	64.3	53.0	99	1	190.3	9.6	0.1	75.1	63.6	10.69	0.81	4	76.5	1.87	24.1	8.2	536	19.52	54.83	32.99	6.0	30.90	9.9	5.9
951	KRONOS	13.78	1.73	63.5	62.0	100	-	198.3	1.6	-	73.9	63.5	12.31	0.77	7	184.9	2.14	31	10.9	576	21.36	52.01	36.00	6.0	29.88	9.0	6.2
1166	CROWN	12.88	1.62	62.1	53.0	99	1	192.7	7.1	-	75.7	62.6	11.74	0.74	3	138.2	1.80	32.4	11.7	631	23.98	55.37	38.10	8.0	29.56	8.9	7.6
1210	PLATINUM	12.27	1.77	64.7	48.0	99	1	188.4	11.2	-	73.9	63.4	11.07	0.95	4	169.0	1.55	26.6	9.4	530	25.20	55.10	40.28	8.5	30.03	8.8	7.2
1211	TOPPER	12.25	1.81	64.8	47.0	100	-	184.7	15.1	0.1	75.0	63.6	10.87	0.78	6	162.0	2.60	26.2	9.1	551	20.13	54.59	34.37	7.0	31.38	8.4	6.7
1375	DESERT KING	12.48	1.72	65.3	58.0	100	-	195.3	4.6	0.1	74.7	63.1	11.49	0.79	2	152.6	1.47	28.9	10.4	550	23.11	55.98	38.47	8.0	30.71	7.4	7.9
1429	FORTISSIMO	13.60	1.86	63.4	50.0	99	1	185.0	14.8	-	71.9	61.9	12.58	0.76	3	99.4	1.38	31.2	11	498	24.31	56.25	41.01	9.5	31.11	9.6	6.9
1430	RSI 59	12.48	1.68	64.1	49.0	99	1	193.2	6.5	-	74.7	64.0	11.44	0.81	8	164.8	1.79	29.9	10.8	729	24.20	54.79	37.26	7.5	30.94	9.9	6.6
1431	VOLANTE	12.54	1.74	64.3	58.0	100	-	197.0	2.9	-	77.7	65.3	11.46	0.91	4	105.9	0.85	28.9	10.5	524	23.88	54.04	37.88	7.5	29.36	8.4	7.1
1440	HELIOS	13.29	1.77	63.9	52.0	99	1	192.2	7.6	-	76.8	62.9	11.65	0.77	10	191.3	2.96	32.9	11.6	563	23.28	54.58	39.01	8.0	28.75	8.6	7.0
1473	Q-MAX	13.06	1.52	62.4	56.0	99	1	193.2	6.7	-	75.6	62.2	11.87	0.79	5	153.7	1.18	32	11.7	578	22.50	55.99	37.72	7.5	28.83	7.4	7.4
1484	WESTMORE	14.34	1.66	63.8	43.0	100	-	179.6	19.7	-	73.5	61.7	12.98	0.81	5	237.1	3.18	32.9	11.7	574	26.39	53.95	40.44	8.5	30.61	7.2	7.0
1582	MAESTRALE	12.35	1.50	65.5	54.0	98	2	187.4	12.4	-	76.0	64.6	11.05	0.78	6	109.9	1.41	27.3	9.9	499	21.96	55.02	34.97	7.0	30.21	8.2	6.7
1583	SARAGOLLA	12.42	1.64	65.5	56.0	96	4	192.5	7.4	0.1	76.9	64.4	11.44	0.67	3	169.4	2.20	23.1	8.3	590	23.64	56.81	36.75	7.5	30.26	9.4	6.8
1585	TIPAI	13.00	1.64	64.9	58.0	100	-	194.7	5.2	-	75.0	64.9	12.01	0.75	1	128.6	1.90	30.9	11	689	25.12	57.06	41.15	9.5	30.80	9.1	6.6
1589	NORMANNO	12.53	2.23	64.2	55.0	100	1	185.3	14.4	-	73.0	64.8	11.45	0.66	7	154.3	1.89	29.7	10.5	591	24.77	56.70	39.08	8.5	30.56	8.5	6.5
ADVANCED LINES																											
1627	DESERT KING HP	13.07	1.33	63.6	53.0	99	1	198.4	1.5	-	70.2	62.2	12.47	0.70	3	213.2	1.13	31.3	11.7	628	25.64	58.98	40.26	8.5	28.41	7.2	7.3
1640	D1-2	13.09	1.55	63.1	62.0	99	4	195.3	4.5	-	73.7	65.6	12.23	0.74	8	210.6	1.66	30.4	11.3	443	24.88	55.88	39.41	8.5	29.03	8.5	6.5
1646	UCD 09220/135	13.25	1.53	64.7	57.0	100	2	195.3	1.5	-	73.3	64.2	12.15	0.67	8	99.4	1.13	29.3	11.6	627	26.37	58.22	40.99	9.0	29.68	7.8	7.2
1689	UC 1689	12.01	1.53	66.2	57.0	99	-	196.7	3.4	-	68.4	57.8	10.84	0.78	5	107.7	1.32	28.9	10.4	500	23.23	58.27	41.35	9.5	31.07	8.2	7.2
1690	UC 1690	12.53	1.62	64.9	62.9	99	-	199.9	0.1	-	73.8	63.0	11.42	0.70	3	114.5	0.95	31.2	11.2	495	22.96	57.19	39.29	8.5	29.93	8.5	7.4
1691	UC 1691	13.01	1.80	66.0	56.8	100	-	199.9	0.1	-	73.4	61.8	11.97	0.80	3	134.0	2.11	32.7	11.9	623	22.87	56.06	35.33	7.0	31.15	7.7	7.1
1692	UC 1692	12.85	1.74	65.1	58.5	100	-	200.0	-	-	74.8	63.8	11.75	0.83	6	181.4	1.35	31.3	11.2	578	23.87	57.04	40.12	9.0	31.52	8.4	6.8
1693	UC 1693	12.42	1.84	66.4	61.0	100	0	197.9	2.1	-	74.2	62.2	11.08	0.74	4	106.8	1.61	27.1	10.7	574	24.63	56.26	38.98	8.0	31.06	7.6	7.1
1694	D6575D	12.34	2.01	65.3	53.8	100	-	196.3	3.7	-	72.3	61.8	11.41	0.65	2	164.4	1.23	28	10.6	681	21.69	55.57	34.95	7.0	30.93	8.3	6.9
1695	NDPRD3D13	11.36	1.99	63.8	50.3	99	3	193.8	6.2	-	78.4	67.3	11.60	0.83	1	83.1	1.19	27.3	10.9	538	23.35	55.79	35.05	7.0	31.08	7.5	6.9
1696	UT07412	12.75	1.91	63.7	59.5	96	8	197.5	2.4	-	74.9	64.7	11.44	0.78	8	108.6	4.10	28.5	11	595	20.12	54.14	31.34	5.0	30.70	9.0	6.3
1697	KIKO NICK	12.39	2.03	63.0	57.8	99	0	192.2	7.6	-	79.3	68.9	11.36	0.72	8	133.8	2.80	30.2	10	604	23.26	54.20	37.21	7.5	30.22	8.0	6.9
1698	05E2844	10.59	1.73	65.5	55.6	90	0	190.8	9.1	-	76.5	65.3	9.56	0.82	4	166.1	5.30	23.2	8	539	23.38	55.10	32.97	6.0	30.60	7.9	6.5
1701	D1-7AL	10.60	1.64	65.4	47.6	99	4	182.4	17.4	-	77.1	65.7	9.59	0.77	7	105.9	2.36	21.5	7.1	593	19.69	55.30	32.14	6.0	30.36	8.6	6.7
1702	D1-35	13.20	1.67	62.4	55.2	100	-	199.3	0.7	-	77.1	65.7	12.30	0.94	11	129.5	1.02	33.9	11.9	536	22.43	52.64	36.02	6.0	30.62	8.4	7.0
1707	07W60122	12.27	1.55	64.5	58.1	99	-	199.8	0.2	-	77.5	64.6	11.12	0.82	9	136.7	1.22	30.6	11.2	586	23.53	54.09	37.32	7.5	31.03	8.4	6.9
1708	08W65113	12.27	1.72	64.4	55.2	99	0	193.2	6.6	0.1	76.9	64.4	11.29	0.88	10	126.9	1.99	30.1	10.2	545	21.70	58.87	35.41	7.0	31.20	8.6	6.7

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.

2011 IMPERIAL 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		Pro	Ash	Spk													
CULTIVARS																											
878	DURAKING	16.80	2.11	56.6	33.0	100	-	102.8	92.7	2.9	76.9	62.6	15.68	0.96	3	178.5	0.59	39.8	17.1	1089	25.23	53.08	38.21	8.0	29.45	5.9	8.4
951	KRONOS	16.01	2.02	55.7	37.0	100	-	154.4	44.0	1.3	70.1	59.5	15.11	0.99	1	204.8	1.15	34.6	12.1	576	28.43	52.38	42.76	9.0	29.47	7.2	8.3
1166	CROWN	16.33	2.06	57.2	38.0	100	-	126.0	71.0	2.1	71.5	61.3	15.31	0.93	1	212.9	0.39	39.5	15	925	25.28	53.73	40.11	8.5	28.47	5.8	9.6
1210	PLATINUM	17.53	2.16	55.7	29.0	100	-	105.6	90.2	3.0	75.9	61.9	15.71	1.01	1	275.9	1.13	39.6	15	969	27.87	52.22	41.41	9.0	29.74	6.7	8.0
1211	TOPPER	14.87	1.92	61.1	37.0	100	-	135.3	60.9	2.9	70.4	60.9	13.78	0.87	1	71.3	0.62	36.5	13.2	536	25.02	52.19	38.79	8.0	29.90	6.4	8.3
1215	ORITA	18.02	2.19	54.0	35.0	100	-	150.3	46.9	2.2	71.0	60.6	17.04	1.08	1	265.7	0.94	41.1	15.3	1208	28.21	50.89	39.91	8.5	29.57	6.7	7.8
1375	DESERT KING	18.01	2.47	53.4	32.0	100	-	111.0	85.2	2.9	70.3	60.7	17.10	1.22	1	276.0	1.13	43.8	16	777	27.36	50.48	38.61	8.0	28.52	6.8	8.1
1429	FORTISSIMO	17.14	2.07	55.4	28.0	100	-	95.6	100.7	2.8	70.2	61.5	16.10	1.12	1	158.3	1.15	41.9	16.7	747	30.97	51.20	42.61	9.0	31.50	7.2	7.4
1430	RSI 59	17.84	2.01	53.1	29.0	100	-	111.0	85.4	2.4	69.6	60.4	16.95	1.11	1	203.4	0.78	46.9	17.6	1756	29.15	50.83	39.63	8.5	29.64	6.7	8.3
1431	VOLANTE	16.73	1.97	54.5	30.0	100	-	103.4	92.3	3.2	73.8	64.0	16.45	1.06	3	255.1	1.17	39.2	14.5	958	32.16	52.44	43.43	9.5	29.83	6.7	8.4
1440	HELIOS	15.90	1.94	58.3	38.0	100	-	124.8	71.1	3.4	75.4	65.0	14.88	0.90	1	370.2	2.01	32.6	12.7	1200	30.40	49.36	40.51	8.5	29.36	6.4	9.1
1473	Q-MAX	14.99	1.76	59.0	41.0	100	-	153.0	44.4	2.0	78.3	64.6	14.00	0.97	9	147.8	0.54	31	11.6	749	25.59	54.02	38.92	8.0	29.60	6.0	8.4
1479	HAVASU	16.34	1.93	59.7	38.0	100	-	133.8	63.4	2.1	77.3	65.2	15.16	1.15	7	355.8	1.60	32.5	12.7	1295	29.78	51.02	41.59	9.0	29.93	6.0	7.9
1484	WESTMORE	16.94	1.74	56.4	28.0	100	-	77.6	118.6	2.9	73.7	61.9	15.90	1.07	2	289.1	1.50	37.6	13	1248	29.94	51.77	37.03	7.5	29.80	6.4	8.3
1582	MAESTRALE	15.66	1.97	59.4	37.0	100	-	126.8	67.7	4.5	80.9	67.6	14.73	0.99	3	130.2	0.93	35.8	13.3	785	25.54	51.57	42.25	9.0	30.06	6.0	8.2
1583	SARAGOLLA	16.28	2.14	57.7	35.0	100	-	121.9	74.6	2.8	78.3	67.2	15.30	1.14	4	279.9	1.87	37.2	14.2	788	25.99	49.71	36.92	7.5	28.64	7.2	7.9
1585	TIPAI	15.91	1.77	57.6	36.0	100	-	118.6	78.9	2.1	77.7	67.7	15.10	0.90	3	156.3	1.02	37.4	13.5	935	29.28	51.64	41.33	9.0	30.20	6.6	7.3
1589	NORMANNO	15.97	1.87	60.1	43.0	100	-	125.7	70.5	2.8	78.1	66.3	15.08	1.08	8	141.3	0.87	36	13.5	733	25.36	49.93	36.61	7.5	30.57	6.4	8.2
ADVANCED LINES																											
1627	DESERT KING HP	17.98	2.17	54.5	34.0	100	-	104.3	92.3	2.6	73.6	64.2	17.01	1.08	4	270.1	0.82	44.1	18.3	1291	27.53	50.96	39.54	8.5	29.31	6.2	8.6
1640	D1-2	17.80	2.20	54.3	37.0	100	-	150.3	48.0	1.2	74.7	65.9	16.37	1.12	4	366.8	1.51	38.5	14.1	1141	29.30	50.80	39.95	8.5	30.78	6.9	7.3
1646	UCD 09220/135	17.17	2.06	57.1	37.0	100	-	133.4	64.8	1.3	74.4	65.4	16.02	1.02	4	191.3	0.85	44	16.8	970	30.36	51.97	42.17	9.0	30.66	7.2	7.1
1677	RS001	16.24	1.99	58.3	36.0	100	-	127.9	69.0	2.3	74.7	64.7	15.06	0.93	5	201.4	0.95	40.7	15	1239	28.50	52.65	41.85	9.0	29.81	7.0	7.6
1678	RS002	15.85	2.10	58.0	36.0	100	-	124.0	72.4	3.0	75.5	66.0	14.72	1.05	2	214.5	0.96	37.5	14.5	712	29.74	52.60	41.80	9.0	29.65	6.9	7.2
1689	UC 1689	15.84	1.91	61.9	43.0	100	-	135.4	63.1	1.0	76.3	65.5	14.37	1.01	7	309.5	1.25	34.5	12.2	861	26.20	51.93	36.57	8.5	28.07	7.8	8.4
1690	UC 1690	17.07	1.95	57.0	37.0	100	-	134.3	62.6	2.1	78.0	66.8	16.01	1.11	5	189.3	0.83	41.8	15.7	595	26.13	51.85	38.90	8.0	27.77	6.7	10.2
1691	UC 1691	17.36	1.96	58.8	40.0	100	-	119.9	77.1	2.2	75.5	65.4	16.33	0.98	4	234.0	1.14	43.1	16.6	929	26.50	51.73	37.51	7.5	27.96	5.7	9.9
1692	UC 1692	16.66	1.83	57.9	39.0	100	-	137.5	60.0	1.8	76.4	65.4	15.71	1.14	5	187.4	0.58	33.9	12.5	783	26.57	53.05	40.06	8.5	27.18	5.7	11.1
1693	UC 1693	16.22	1.92	59.5	41.0	100	-	145.9	52.1	1.5	75.2	63.7	15.26	0.98	9	204.7	0.98	37.8	14.5	848	28.12	53.27	40.28	8.5	27.91	5.5	9.6
1694	D6575D	16.93	2.22	57.3	30.0	100	-	84.0	113.2	3.7	73.2	63.8	15.90	1.29	5	240.7	0.42	40.7	15.1	910	25.12	50.94	36.84	7.5	27.74	4.8	11.3
1695	NDPRD3D13	16.39	1.87	57.0	34.0	100	-	105.9	91.4	1.9	75.1	62.6	15.15	0.96	4	116.9	0.43	43.2	17.6	1109	26.78	52.15	38.21	8.0	28.18	6.1	10.1
1696	UT07412	16.20	2.12	56.6	39.0	100	-	152.5	44.8	2.0	72.6	61.2	15.12	0.91	2	134.0	1.23	37.2	13.2	932	27.51	52.63	38.73	8.0	28.63	6.6	9.0
1697	KIKO NICK	16.13	1.89	55.4	36.0	100	-	125.3	71.1	3.0	73.3	63.8	14.89	0.94	3	248.4	0.82	35	14	1314	27.39	51.20	39.24	8.5	28.34	5.9	10.0
1698	05E2844	14.28	1.59	60.6	39.0	99	-	129.7	66.9	2.8	73.0	62.7	13.05	0.78	6	125.0	1.18	33.1	12.5	706	27.38	52.30	39.69	8.5	29.40	6.5	8.5
1701	D1-7AL	15.28	1.83	56.8	32.0	100	-	77.1	116.8	5.1	74.8	63.7	13.90	0.94	1	203.4	1.02	31.5	11	1069	24.09	50.51	35.36	6.0	29.54	7.4	8.8
1702	D1-35	16.79	1.83	54.7	37.0	100	-	134.8	61.6	3.2	71.8	61.8	15.48	1.01	2	270.1	0.98	40.4	13.8	885	27.76	51.60	40.48	8.5	28.11	5.8	9.0
1709	RS003	17.57	1.93	54.7	34.0	100	-	110.6	85.7	2.6	70.3	62.1	16.51	0.89	7	254.7	1.01	44.2	17.6	1003	27.70	51.15	39.61	8.5	27.57	6.4	9.8

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.

2011 UC DAVIS DURUM WHEAT TEST, QUALITY EVALUATION

Entry	Name	Milling																			Pasta						
		Grain									Semolina					Milling					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	13.04	1.57	61.2	59.0	98	2	184.5	15.0	0.3	73.9	63.5	11.57	0.88	17	198.0	3.93	29	12.6	542	20.43	52.04	30.55	4.5	31.09	8.3	6.7
951	KRONOS	13.68	1.67	58.6	59.0	100	7	193.3	6.4	0.1	71.3	61.1	12.07	0.97	13	238.2	3.25	30.7	10.5	715	22.41	50.69	35.53	6.0	31.10	9.0	6.4
1166	CROWN	12.33	1.50	59.8	34.0	95	11	178.2	21.5	0.3	72.2	60.6	11.20	0.96	19	268.7	2.59	31.4	12	583	23.78	53.73	36.50	7.5	30.77	8.9	6.8
1210	PLATINUM	11.71	1.69	61.9	55.0	96	-	188.0	11.8	0.2	73.2	63.7	10.95	0.97	12	232.7	2.70	27.9	9.9	595	26.03	52.83	37.54	7.5	31.32	7.9	6.5
1211	TOPPER	12.56	1.77	58.9	47.0	100	9	186.4	13.1	0.2	70.0	60.3	11.28	0.79	20	193.6	3.29	27.8	9.3	563	19.02	51.27	32.85	5.5	31.51	10.2	5.4
1375	DESERT KING	11.24	1.79	62.8	59.0	100	5	191.5	8.5	-	70.0	62.7	10.24	0.79	11	162.7	3.60	26.1	9.8	637	24.01	56.80	38.74	8.5	30.86	7.5	6.7
1429	FORTISSIMO	12.32	1.70	61.7	51.0	99	2	183.7	16.1	0.1	72.0	62.8	11.52	0.95	5	178.3	2.85	30.3	10.6	540	25.61	54.72	40.35	8.5	29.83	7.9	7.1
1430	RSI 59	10.56	1.61	63.3	57.0	92	9	194.7	5.2	0.1	71.6	61.1	9.61	0.93	26	138.3	2.71	25.9	9.5	585	22.52	54.91	32.10	6.0	27.55	8.1	7.1
1431	VOLANTE	12.22	1.72	62.6	60.0	98	7	191.7	8.0	-	76.6	62.3	11.25	0.75	12	163.2	1.84	29.8	10.7	580	24.98	53.76	34.58	6.0	29.84	7.3	8.4
1440	HELIOS	12.52	1.67	61.3	58.0	98	13	185.1	14.6	0.2	76.1	61.6	11.55	0.84	21	259.7	3.80	30.6	11	695	23.86	52.35	35.14	6.0	29.86	6.7	8.0
1473	Q-MAX	12.34	1.56	57.8	53.0	100	9	183.7	16.0	0.2	76.1	63.4	11.98	0.86	12	262.9	2.76	33.5	12	648	22.41	52.14	34.42	6.0	29.11	7.5	7.6
1484	WESTMORE	12.80	1.47	61.9	49.0	100	5	183.7	15.9	0.1	72.5	62.0	11.91	0.66	7	272.7	3.80	31.9	11.4	697	24.70	53.21	38.57	8.0	29.27	7.2	7.8
1582	MAESTRALE	12.06	1.54	61.7	54.0	96	11	181.3	18.0	0.3	72.7	61.6	10.80	0.86	6	152.1	3.00	29	10.6	662	21.55	51.63	32.13	5.5	29.64	7.8	7.0
1583	SARAGOLLA	12.20	1.65	61.6	57.0	95	8	189.9	9.8	0.2	73.6	61.6	11.29	0.94	27	-	-	25.8	9.1	697	21.44	49.61	30.91	4.0	29.82	9.2	6.9
1585	TIPAI	12.55	1.50	61.3	54.0	99	1	188.6	11.3	-	71.0	61.3	11.23	0.86	7	194.7	4.79	29.5	10.6	609	24.18	52.49	37.85	7.5	30.82	8.0	6.7
1589	NORMANNO	11.83	1.54	61.2	56.0	96	2	176.4	23.1	0.2	71.2	62.8	11.10	0.93	12	-	-	26.4	9.4	645	23.09	51.03	36.07	6.0	29.78	7.9	6.8
ADVANCED LINES																											
1627	DESERT KING HP	13.73	1.62	60.0	54.0	100	3	186.9	12.7	0.1	72.4	62.8	12.89	0.88	6	-	-	35.8	12.8	676	22.64	52.95	36.77	7.5	29.92	7.1	6.9
1640	D1-2	12.02	1.63	61.6	62.0	96	12	195.3	4.7	-	73.5	64.4	11.18	0.81	14	231.9	3.45	28.7	10.4	601	24.82	53.81	38.47	8.0	29.65	8.5	6.3
1646	UCD 09220/135	13.78	1.72	60.8	57.0	100	8	188.4	11.4	0.1	71.8	62.5	12.71	0.95	6	202.9	3.40	34.2	12.6	663	24.65	52.03	38.20	8.0	29.63	9.1	6.5
1689	UC 1689	12.64	1.54	59.7	55.0	96	3	189.8	9.9	0.1	72.6	61.0	11.69	0.84	15	255.3	3.00	29.4	10.6	584	21.17	51.40	31.62	5.5	30.29	8.9	5.9
1690	UC 1690	12.42	1.67	61.0	58.0	99	4	193.3	6.6	0.1	77.2	65.7	11.65	0.87	17	140.4	2.61	31.3	11.9	485	23.43	52.49	36.01	4.5	30.28	8.6	6.9
1691	UC 1691	13.02	1.66	60.9	59.0	100	3	186.6	12.2	0.2	72.0	62.7	12.01	0.84	4	-	-	36.1	13.1	775	21.40	53.97	37.46	7.5	29.56	6.9	6.9
1692	UC 1692	11.72	1.56	62.4	63.0	98	7	190.4	9.3	0.1	73.6	65.2	10.95	0.86	2	181.3	3.07	31.9	11.7	568	23.36	54.99	36.52	7.5	30.44	7.9	6.3
1693	UC 1693	12.63	1.69	64.5	64.0	99	15	192.8	7.2	-	71.9	63.1	11.39	0.89	8	196.7	4.57	30.9	11.5	560	24.15	54.08	32.70	6.0	29.14	7.1	6.6
1694	D6575D	12.54	1.69	60.3	54.0	99	7	184.9	14.6	0.1	72.7	63.6	11.58	1.06	10	271.2	2.76	33.1	11.6	604	20.20	54.66	31.81	5.0	30.64	7.7	6.2
1695	NDPRD3D13	11.11	1.40	62.1	57.0	97	7	184.2	9.3	0.1	72.9	63.8	10.74	0.91	6	135.5	2.60	30.8	11.3	530	23.55	54.50	31.66	4.0	30.98	8.8	6.9
1696	UT07412	11.41	1.59	62.2	61.0	95	13	193.1	6.8	-	72.8	64.3	10.82	0.88	10	133.3	4.75	29.6	11	568	21.23	52.28	31.56	5.5	30.54	8.6	6.2
1697	KIKO NICK	12.41	1.59	60.1	55.0	100	5	186.1	13.3	-	72.4	64.2	11.43	0.97	8	-	-	29.8	10.9	770	22.61	51.30	28.53	4.0	29.94	8.2	6.9
1698	05E2844	11.50	1.68	62.6	59.0	96	5	179.6	19.5	0.4	72.0	62.7	10.43	0.78	5	-	-	25.6	9.2	589	23.28	53.19	30.31	4.0	29.65	9.1	6.9
1701	D1-7AL	11.62	1.51	60.5	54.0	92	2	182.0	17.2	0.4	74.1	62.4	10.44	0.82	11	157.6	4.44	26.6	9.6	617	18.17	49.31	25.97	4.0	30.35	8.4	5.9
1702	D1-35	13.41	1.65	58.8	50.0	100	4	180.2	19.0	0.3	72.8	64.3	12.31	1.00	8	170.1	2.32	33.5	12.7	533	22.99	48.85	33.27	4.0	30.50	9.3	6.1

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.

2011 Durum Wheat Stripe Rust Over Location Summary

Entry	Name	Stripe Rust			
		Mean (3 Loc)	UC Davis 5/30	Fresno 5/2	Kings 5/16
<u>CULTIVARS</u>					
	878 DURAKING	1.8 (25)	2.0	3.0	1.0
	951 KRONOS	2.6 (32)	4.0	3.0	2.3
	1166 CROWN	1.1 (9)	1.0	1.3	1.0
	1210 PLATINUM	1.0 (1)	1.0	1.0	1.0
	1211 TOPPER	1.6 (22)	2.0	1.8	1.8
	1375 DESERT KING	1.0 (1)	1.0	1.0	1.0
	1429 FORTISSIMO	1.0 (1)	1.0	1.0	1.0
	1430 RSI 59	1.4 (15)	2.3	1.0	1.5
	1431 VOLANTE	1.0 (1)	1.0	1.0	1.0
	1440 HELIOS	1.6 (22)	2.5	1.8	1.0
	1473 Q-MAX	1.0 (1)	1.0	1.0	1.0
	1484 WESTMORE	1.0 (1)	1.0	1.0	1.0
	1582 MAESTRALE	1.4 (15)	1.5	1.8	1.5
	1583 SARAGOLLA	2.1 (28)	2.5	2.0	3.0
	1585 TIPAI	2.3 (29)	3.8	2.8	1.8
	1589 NORMANNO	2.3 (29)	3.0	3.0	2.3
<u>ADVANCED LINES</u>					
	1627 DESERT KING HP	1.1 (9)	1.3	1.3	1.0
	1640 D1-2	1.1 (9)	1.3	1.0	1.0
	1646 UCD 09220/135	1.9 (27)	3.5	2.0	1.3
	1689 UC 1689	2.7 (33)	4.3	3.0	2.5
	1690 UC 1690	1.8 (25)	2.8	2.0	1.5
	1691 UC 1691	1.1 (9)	1.3	1.0	1.0
	1692 UC 1692	1.1 (9)	1.0	1.3	1.0
	1693 UC 1693	1.5 (20)	2.3	1.5	1.3
	1694 D6575D	1.0 (1)	1.0	1.0	1.0
	1695 NDPRD3D13	1.4 (15)	2.0	1.5	1.3
	1696 UT07412	2.3 (29)	3.8	2.3	2.3
	1697 KIKO NICK	1.0 (1)	1.0	1.0	1.0
	1698 05E2844	1.6 (22)	2.5	1.3	1.5
	1701 D1-7AL	1.4 (15)	1.3	1.8	1.5
	1702 D1-35	1.2 (14)	1.0	1.8	1.0
	1707 07W60122	1.4 (15)	-	1.5	1.3
	1708 08W65113	1.5 (20)	-	2.0	1.0
	MEAN	1.5	2.0	1.6	1.4
	CV	26.4	19.3	35.0	29.4
	LSD (.05)	0.3	0.5	0.8	0.6

Rating scale for foliar diseases (area of flag-1 leaf affected):

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

2009-11 DURUM WHEAT YIELD SUMMARY (LBS/ACRE)

Entry	Name	Sacramento Valley			San Joaquin Valley			Imperial Valley		
		2011 (1 loc)	2010-11 (2 loc/yr)	2009-11 (3 loc/yr)	2011 (3 loc/yr)	2010-11 (6 loc/yr)	2009-11 (9 loc/yr)	2011 (1 loc/yr)	2010-11 (2 loc/yr)	2009-11 (3 loc/yr)
<u>CULTIVARS</u>										
878	DURAKING	5140 (23)	5750 (11)	6180 (10)	6020 (31)	6580 (13)	6050 (10)	4130 (36)	6530 (17)	7170 (9)
951	KRONOS	5180 (22)	5300 (15)	5560 (12)	7100 (23)	7190 (11)	6380 (9)	5470 (12)	6910 (9)	6800 (14)
1166	CROWN	5080 (25)	5760 (10)	6300 (7)	6350 (30)	7060 (12)	6450 (8)	5130 (21)	6740 (14)	7130 (10)
1210	PLATINUM	6030 (5)	6220 (6)	6380 (6)	6600 (27)	7310 (8)	6500 (7)	5270 (16)	6800 (11)	6880 (13)
1211	TOPPER	4890 (27)	5380 (14)	-	7450 (15)	7270 (9)	-	5340 (15)	6740 (12)	-
1215	ORITA	-	-	-	-	-	-	5980 (3)	7350 (3)	7310 (7)
1375	DESERT KING	6220 (2)	6750 (1)	6970 (1)	8110 (3)	8130 (2)	7090 (2)	5080 (23)	6740 (13)	7070 (12)
1429	FORTISSIMO	6030 (7)	6700 (2)	6740 (2)	7430 (16)	7710 (5)	6920 (4)	4710 (29)	6550 (16)	6710 (15)
1430	RSI 59	5980 (9)	6520 (3)	-	7780 (7)	8060 (3)	-	5380 (14)	7180 (4)	7470 (6)
1431	VOLANTE	6090 (3)	6410 (4)	6410 (3)	7690 (8)	7810 (4)	6980 (3)	4600 (33)	6370 (19)	7110 (11)
1440	HELIOS	5470 (19)	-	-	7230 (18)	-	-	5620 (7)	-	-
1473	Q-MAX	4200 (30)	-	-	5720 (32)	-	-	5020 (25)	-	-
1479	HAVASU	-	-	-	-	-	-	6020 (2)	7100 (7)	7620 (3)
1484	WESTMORE	5620 (16)	6090 (8)	6400 (4)	7580 (12)	8150 (1)	7150 (1)	5420 (13)	7130 (5)	7250 (8)
1582	MAESTRALE	5510 (18)	5840 (9)	6020 (11)	7360 (17)	-	-	4990 (26)	6500 (18)	7620 (4)
1583	SARAGOLLA	5630 (15)	5730 (12)	6300 (8)	7940 (6)	-	-	4630 (31)	6710 (15)	7480 (5)
1585	TIPAI	5560 (17)	6340 (5)	6390 (5)	7140 (22)	7270 (10)	6520 (6)	5860 (5)	7370 (2)	8470 (1)
1589	NORMANNO	3510 (31)	3200 (16)	-	5680 (33)	-	-	4470 (35)	5950 (20)	-
<u>ADVANCED LINES</u>										
1627	DESERT KING HP	5290 (21)	-	-	6600 (28)	-	-	4520 (34)	-	-
1640	D1-2	5460 (20)	6170 (7)	6280 (9)	6780 (26)	7400 (7)	6560 (5)	5540 (10)	7060 (8)	7650 (2)
1646	UCD 09220/135	4760 (29)	5630 (13)	-	7210 (19)	7690 (6)	-	4920 (27)	6830 (10)	-
1677	RS001	-	-	-	-	-	-	6120 (1)	7110 (6)	-
1678	RS002	-	-	-	-	-	-	5950 (4)	7400 (1)	-
1689	UC 1689	5140 (24)	-	-	7590 (11)	-	-	5160 (18)	-	-
1690	UC 1690	4790 (28)	-	-	8110 (2)	-	-	4630 (32)	-	-
1691	UC 1691	5790 (11)	-	-	8050 (4)	-	-	5070 (24)	-	-
1692	UC 1692	5660 (13)	-	-	7530 (13)	-	-	5090 (22)	-	-
1693	UC 1693	5630 (14)	-	-	7660 (10)	-	-	5260 (17)	-	-
1694	D6575D	4920 (26)	-	-	6450 (29)	-	-	5130 (20)	-	-
1695	NDPRD3D13	5700 (12)	-	-	7180 (21)	-	-	4650 (30)	-	-
1696	UT07412	6030 (6)	-	-	6910 (25)	-	-	5530 (11)	-	-
1697	KIKO NICK	6010 (8)	-	-	8050 (5)	-	-	5560 (8)	-	-
1698	05E2844	6080 (4)	-	-	7190 (20)	-	-	5140 (19)	-	-
1701	D1-7AL	5940 (10)	-	-	8200 (1)	-	-	5550 (9)	-	-
1702	D1-35	6380 (1)	-	-	6930 (24)	-	-	4860 (28)	-	-
1707	07W60122	-	-	-	7660 (9)	-	-	-	-	-
1708	08W65113	-	-	-	7480 (14)	-	-	-	-	-
1709	RS003	-	-	-	-	-	-	5700 (6)	-	-
	MEAN	5470	5860	6330	7230	7510	6660	5210	6850	7310
	CV	10.3	9.5	10.4	13.1	9.2	9.5	15.5	9.5	7.7
	LSD (.05)	790	550	530	760	390	290	ns	640	450

Numbers in parentheses indicate relative rank

2011 UC REGIONAL BARLEY ENTRY LIST

Entry	Name	Type	Parentage	Source	Grown at
CULTIVARS					
603	UC 603	6RSF	(((Marie*LU)*TRL)*BR)*(YDRBR*YDMRBR)	UC	ALL
816	MAX	6RSF	CCXXXII SEL (BA7024)	WWW	ALL
933	UC 933	6RSF	Sma1/SB401/3/Gus/KBY//Sma1	UC	ALL
951	MELTAN	2RSF		ADAMS	ALL
969	UC 969	6RSF	SMA1/SB401/3/UC337	UC	ALL
1047	ISHI	6RSF	F6 UC 828/UC 960	UC	ALL
1085	COMMANDER	6RSF	MSFRS SHORT STRAW POPULATION	WWW	ALL
1134	TAMALPAIS	6RS(N)	F7 CMB 91A-1192-AL/UC 960	UC	ALL
ADVANCED LINES					
1231	UCD 08YP 111	6RSF	F6 22IBYT7//UC933/UC1047	UC	ALL
1232	UCD 08YP 301	6RSF	F6 RSI729//UC 1047	UC	ALL
1248	UCD B99	6RSF	UC1090/22IBYT7/UC933	UC	ALL
1249	UCD B110	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1252	UCD B156	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1254	UCD C284	6RSF	UC933/UC1047	UC	ALL
1255	UCD B369	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1256	UCD B398	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1257	UCD B47	6RSF	UC933/UC1047	UC	ALL
1258	UCD A34	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1259	UCD B366	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1260	UCD B372	6RSF	22IBYT7//UC933/UC1047	UC	ALL
1261	UCD A237	6RSF	UC933//22IBYT7/UC1047	UC	ALL
1263	UCD C43	6RSF	Tamalpais (UC1134)//Madera/UC937	UC	ALL
1266	UCD C51	6RSF	Tamalpais (UC1134)//Madera/UC937	UC	ALL
1279	UCD 1279	6RSF	F6 5054/MGC//969	UC	UCDRF
1280	UCD 1280	6RSF	F6 969*2/933 B259	UC	UCDRF
1281	UCD 1281	6RSF	F6 969*2/933 B243	UC	UCD
1282	UCD 1282	6RSF	F6 969*2/933 B248	UC	UCD
1283	UCD 1283	6RSF	UC933/UC1047	UC	CHC, CB, SLO, TUL, UCDRF, FRE
1284	UCD 1284	6RSF	22IBYT7/UC1047	UC	CHC, CB, SLO, TUL, UCDRF, FRE
1285	UCD 1285	6RSF	22IBYT7//UC933/1047	UC	CB, SLO, TUL, UCDRF, FRE
1286	UCD 1286	6RSF	22IBYT7//UC933/1047	UC	CB, SLO, UCDRF, FRE
1287	BA4513	6RSF		WWW	ALL
1288	BA1129A	6RSF		WWW	ALL

33 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

LOCATIONS: CB = CLARKSBURG; SLO = SAN LUIS OBISPO; UCDRF = UC DAVIS RAINFED;

UCD = UC DAVIS; CHC = CHICO; TUL = TULARE; FRE = FRESNO

2011 FRESNO BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Shatter	Stripe Rust 5/3	Leaf Rust 5/3	BYDV 5/3	Net Blotch 5/3	Scald 5/3	Powdery Mildew 5/3
<u>CULTIVARS</u>												
	603 UC 603	5360 (25)	49.5	38	1.5	1.0	1.3	1.0	1.0	1.5	1.0	1.0
	816 MAX	5920 (21)	51.3	35	4.5	1.3	5.5	1.0	1.0	3.3	2.0	1.0
	933 UC 933	6480 (16)	50.3	44	2.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	951 MELTAN	5040 (27)	53.9	35	3.8	1.0	1.3	1.0	2.5	1.3	1.3	1.0
	969 UC 969	5030 (28)	52.7	44	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1047 ISHI	6950 (4)	49.2	39	2.0	1.0	1.3	1.0	1.0	1.0	1.0	1.0
	1085 COMMANDER	4090 (29)	50.3	35	4.8	1.0	6.0	3.5	1.3	3.5	2.0	2.8
	1134 TAMALPAIS	5610 (23)	55.9	34	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<u>ADVANCED LINES</u>												
	1231 UCD 08YP 111	6950 (3)	49.2	44	1.0	1.0	1.3	1.0	1.0	1.0	1.0	1.0
	1232 UCD 08YP 301	5990 (19)	49.3	44	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1248 UCD B99	6690 (12)	49.0	37	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1249 UCD B110	6770 (8)	49.8	41	1.5	1.0	1.5	1.0	1.0	1.3	1.0	1.0
	1252 UCD B156	6780 (7)	50.3	41	1.3	1.3	1.3	1.0	1.0	1.0	1.0	1.0
	1254 UCD C284	6450 (17)	49.5	43	1.8	1.0	1.5	1.0	1.0	1.8	1.8	1.0
	1255 UCD B369	6750 (10)	49.9	41	1.5	1.0	1.8	1.0	1.0	2.5	1.0	1.0
	1256 UCD B398	6560 (14)	49.8	39	3.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1257 UCD B47	5990 (20)	49.4	43	2.3	1.0	3.0	1.0	1.0	3.3	1.0	1.0
	1258 UCD A34	6520 (15)	49.9	40	1.8	1.0	2.3	1.0	1.0	1.5	1.0	1.0
	1259 UCD B366	6880 (6)	49.4	43	1.3	1.0	1.5	1.0	1.0	2.3	1.8	1.0
	1260 UCD B372	6610 (13)	48.9	43	2.8	1.0	1.5	1.0	1.0	1.0	1.0	1.0
	1261 UCD A237	6950 (2)	48.9	42	1.0	1.0	1.5	1.0	1.0	1.0	1.0	1.0
	1263 UCD C43	6900 (5)	54.9	41	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1266 UCD C51	6700 (11)	57.3	40	2.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1283 UCD 1283	5800 (22)	49.6	40	1.8	1.0	1.8	1.0	1.3	3.0	1.0	1.0
	1284 UCD 1284	6760 (9)	49.9	39	2.5	1.0	1.8	1.0	1.0	1.8	1.0	1.0
	1285 UCD 1285	6060 (18)	50.1	41	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1286 UCD 1286	7000 (1)	48.9	41	3.0	1.0	2.5	1.0	1.0	1.8	1.3	1.0
	1287 BA4513	5190 (26)	53.1	42	2.8	1.3	2.5	1.0	1.0	1.8	3.0	4.0
	1288 BA1129A	5470 (24)	51.9	36	4.8	1.3	2.8	1.0	1.0	1.5	2.3	1.5
	MEAN	6210	50.8	40	2.3	1.0	1.8	1.1	1.1	1.6	1.3	1.2
	CV	6.9	1.2	4.5	46.6	17.0	33.9	32.7	15.9	31.1	64.4	27.9
	LSD (.05)	600	1.3	4	1.5	ns	0.9	0.5	0.2	0.7	ns	0.5

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

2011 DAVIS BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	1000		Days To		Lodging Harvest	Shatter	Stripe Rust 5/25	Leaf Rust 5/25	BYDV 5/25	Powdery Mildew 5/25
				Kernel Wt (g)	Plant Ht (in)	Heading (From 3/1)	Maturity						
<u>CULTIVARS</u>													
	603 UC 603	6400 (17)	49.2	37.6	36	52	93	1.8	1.0	1.0	1.0	1.0	2.3
	816 MAX	5760 (25)	46.0	34.3	30	64	110	4.8	1.0	6.0	1.0	1.0	2.8
	933 UC 933	6540 (16)	50.9	48.4	33	58	107	5.5	1.5	1.0	1.0	1.0	1.5
	951 MELTAN	5290 (27)	52.4	44.1	31	55	101	2.3	1.0	2.3	1.0	3.8	1.0
	969 UC 969	6330 (19)	53.1	44.0	41	53	99	4.3	2.8	1.5	1.0	1.3	1.0
	1047 ISHI	7550 (9)	49.5	47.9	32	65	111	3.5	1.0	1.3	1.0	1.0	1.5
	1085 COMMANDER	5510 (26)	48.8	37.3	29	57	102	4.8	1.0	3.8	4.5	1.3	3.5
	1134 TAMALPAIS	6070 (21)	55.1	44.0	26	60	109	2.5	1.0	1.0	1.0	1.0	2.8
<u>ADVANCED LINES</u>													
	1231 UCD 08YP 111	7790 (6)	49.0	46.7	37	65	111	5.8	1.0	1.8	1.0	1.0	1.5
	1232 UCD 08YP 301	6800 (14)	50.2	48.1	33	57	108	3.3	1.0	1.0	1.0	1.0	1.0
	1248 UCD B99	7460 (12)	50.1	44.6	33	61	106	2.3	1.0	1.0	1.0	1.0	1.3
	1249 UCD B110	7710 (7)	50.7	52.6	36	64	112	3.5	1.0	1.3	1.0	1.0	1.5
	1252 UCD B156	8220 (1)	50.9	52.0	36	63	110	3.3	1.0	1.3	1.0	1.0	1.3
	1254 UCD C284	7500 (10)	49.8	52.8	38	62	111	3.0	1.0	1.0	1.0	1.0	1.0
	1255 UCD B369	7830 (5)	49.2	51.1	34	64	111	4.0	1.0	1.0	1.0	1.0	1.0
	1256 UCD B398	7270 (13)	49.8	50.0	34	64	110	5.5	1.0	1.0	1.0	1.0	1.0
	1257 UCD B47	7650 (8)	49.7	48.9	35	62	109	5.0	1.3	1.8	1.0	1.0	1.3
	1258 UCD A34	7980 (2)	49.5	47.1	36	64	110	4.0	1.3	1.5	1.0	1.0	1.0
	1259 UCD B366	7850 (4)	48.3	50.3	37	65	111	3.5	1.0	1.0	1.0	1.0	1.0
	1260 UCD B372	7960 (3)	49.6	45.6	34	64	110	5.8	1.0	1.0	1.0	1.0	1.0
	1261 UCD A237	7480 (11)	50.4	46.7	37	65	111	3.3	1.0	1.3	1.0	1.0	1.5
	1263 UCD C43	6370 (18)	55.9	48.3	32	63	109	2.5	1.0	1.0	1.0	1.0	1.0
	1266 UCD C51	6680 (15)	55.7	46.0	34	64	110	3.3	1.0	1.0	1.0	1.0	1.0
	1281 UCD 1281	5770 (24)	51.2	42.8	44	54	102	7.3	1.8	1.0	1.0	1.3	1.0
	1282 UCD 1282	5810 (23)	48.5	41.1	42	55	99	5.8	2.3	1.0	1.0	1.8	1.3
	1287 BA4513	6150 (20)	49.9	39.3	34	62	108	5.8	1.0	2.0	1.5	1.0	4.8
	1288 BA1129A	6020 (22)	49.2	38.3	31	58	103	4.5	1.3	5.5	1.8	1.5	4.3
	MEAN	6880	50.5	45.5	34	61	107	4.1	1.2	1.7	1.2	1.2	1.7
	CV	8.5	1.3	4.3	9.6	4	1.9	28.6	31.7	24.8	15.9	30.3	32.9
	LSD (.05)	820	1.4	4.0	7	3	3	1.6	0.5	0.6	0.3	0.5	0.8

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

2011 CHICO BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Stripe Rust 6/1
<u>CULTIVARS</u>					
	603 UC 603	1550 (25)	48.2	22	1.0
	816 MAX	940 (28)	37.4	20	5.8
	933 UC 933	2550 (11)	47.8	27	1.0
	951 MELTAN	1970 (22)	51.0	24	1.0
	969 UC 969	2000 (20)	47.5	22	1.0
	1047 ISHI	2310 (17)	47.1	23	1.0
	1085 COMMANDER	1920 (23)	45.7	21	7.0
	1134 TAMALPAIS	2000 (21)	46.5	23	1.0
<u>ADVANCED LINES</u>					
	1231 UCD 08YP 111	2470 (14)	46.7	24	1.0
	1232 UCD 08YP 301	2020 (19)	46.1	23	1.0
	1248 UCD B99	2530 (13)	46.1	22	1.0
	1249 UCD B110	2310 (16)	45.7	26	1.3
	1252 UCD B156	2160 (18)	46.7	25	1.0
	1254 UCD C284	2740 (8)	45.6	25	1.0
	1255 UCD B369	3130 (2)	46.6	24	1.0
	1256 UCD B398	2860 (5)	46.7	25	1.0
	1257 UCD B47	2440 (15)	44.7	26	1.8
	1258 UCD A34	2690 (9)	45.3	25	1.0
	1259 UCD B366	2540 (12)	45.9	27	1.3
	1260 UCD B372	2990 (3)	45.5	25	1.0
	1261 UCD A237	2970 (4)	46.5	23	1.0
	1263 UCD C43	1220 (27)	46.5	26	1.0
	1266 UCD C51	1500 (26)	49.2	26	1.0
	1283 UCD 1283	2740 (7)	45.8	20	2.8
	1284 UCD 1284	2810 (6)	45.3	23	1.8
	1285 UCD 1285	2670 (10)	46.6	22	1.0
	1287 BA4513	3490 (1)	49.4	25	1.8
	1288 BA1129A	1760 (24)	46.3	21	5.3
	MEAN	2330	46.4	23.0	1.7
	CV	29.8	2.6	10.8	57.0
	LSD (.05)	980	2.5	ns	1.4

Rating scale for foliar diseases (area of flag-1 leaf affected):

1 = 0-3%, 2 = 4-14%, 3 = 15-29%, 4 = 30-49%,

5 = 50-69%, 6 = 70-84%, 7 = 85-95%, 8 = 96-100%.

Numbers in parentheses indicate relative rank in column.

2011 TEHAMA RAINFED BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Stripe Rust 6/1	BYDV 6/1	Spot Blotch 6/1
<u>CULTIVARS</u>							
	603 UC 603	2540 (22)	48.1	25	1.0	1.0	4.5
	816 MAX	2980 (11)	43.4	23	5.5	1.0	4.8
	933 UC 933	3280 (3)	49.2	24	1.0	1.0	3.0
	951 MELTAN	1420 (25)	48.9	22	1.0	5.0	5.3
	969 UC 969	2980 (12)	50.0	25	1.0	1.0	2.5
	1047 ISHI	3100 (8)	48.5	24	1.0	1.0	3.5
	1085 COMMANDER	2710 (19)	48.3	20	2.8	1.0	4.5
	1134 TAMALPAIS	2890 (16)	53.0	22	1.0	1.0	3.3
<u>ADVANCED LINES</u>							
	1231 UCD 08YP 111	2610 (21)	47.7	24	1.0	1.0	4.0
	1232 UCD 08YP 301	3340 (1)	48.3	25	1.0	1.0	3.5
	1248 UCD B99	3160 (6)	46.5	22	1.0	1.0	3.5
	1249 UCD B110	2310 (24)	46.1	23	1.0	1.3	3.5
	1252 UCD B156	3250 (5)	48.0	27	1.0	1.0	3.5
	1254 UCD C284	2910 (15)	47.3	27	1.0	1.0	3.8
	1255 UCD B369	2820 (17)	44.5	26	1.0	1.0	3.0
	1256 UCD B398	2930 (14)	47.3	26	1.0	1.0	3.8
	1257 UCD B47	2380 (23)	44.5	25	1.3	1.0	3.8
	1258 UCD A34	3010 (9)	46.6	28	1.0	1.3	4.3
	1259 UCD B366	2930 (13)	45.7	28	1.0	1.0	3.8
	1260 UCD B372	2990 (10)	46.7	27	1.0	1.0	3.3
	1261 UCD A237	3340 (2)	47.4	21	1.0	1.0	3.3
	1263 UCD C43	2730 (18)	54.0	27	1.8	1.0	3.3
	1266 UCD C51	2620 (20)	53.9	27	1.0	1.3	3.5
	1287 BA4513	3260 (4)	49.7	25	2.3	1.0	4.0
	1288 BA1129A	3150 (7)	47.3	22	2.0	1.3	4.0
	MEAN	2860	48.0	24	1.4	1.2	3.7
	CV	14.4	1.6	5.9	45.5	20.7	17.6
	LSD (.05)	580	1.6	3	0.9	0.4	0.9

Rating scale for foliar diseases (area of flag-1 leaf affected):

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

2011 SLO RAINFED BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Shatter	Stripe Rust 5/16	Net Blotch 5/16	Scald 5/16	Animal Damage
<u>CULTIVARS</u>										
	603 UC 603	2320 (25)	51.4	37	2.0	1.0	1.0	1.8	1.0	1.0
	816 MAX	1380 (28)	48.1	34	4.8	2.5	7.8	2.8	1.0	2.0
	933 UC 933	3000 (21)	51.5	39	2.3	2.3	1.0	1.3	1.0	1.0
	951 MELTAN	3150 (19)	55.2	40	3.5	2.5	2.5	1.8	1.0	2.5
	969 UC 969	1400 (27)	53.5	43	1.3	1.0	2.0	1.5	1.0	1.0
	1047 ISHI	4480 (1)	50.5	41	1.8	1.5	2.0	1.3	1.0	1.0
	1085 COMMANDER	2490 (24)	52.0	36	1.3	1.8	7.8	2.0	1.8	1.8
	1134 TAMALPAIS	1930 (26)	54.5	38	1.8	1.5	2.3	1.0	1.0	1.5
<u>ADVANCED LINES</u>										
	1231 UCD 08YP 111	3860 (12)	51.1	42	2.0	1.8	2.0	1.8	1.0	1.5
	1232 UCD 08YP 301	2880 (22)	51.4	41	1.3	1.3	1.3	1.5	1.0	1.0
	1248 UCD B99	3980 (8)	51.1	38	1.5	2.0	1.0	1.0	1.0	1.0
	1249 UCD B110	3640 (14)	51.0	41	1.8	1.3	2.3	1.8	1.0	1.3
	1252 UCD B156	4090 (7)	49.9	42	1.8	1.3	1.5	1.0	1.0	1.8
	1254 UCD C284	3870 (11)	51.4	44	1.0	1.8	1.5	2.0	1.0	1.5
	1255 UCD B369	4320 (3)	51.5	44	1.8	1.8	1.3	2.3	1.0	1.0
	1256 UCD B398	4430 (2)	53.5	42	2.0	1.8	1.3	2.0	1.8	1.5
	1257 UCD B47	3240 (17)	49.3	45	2.3	2.3	2.0	3.3	1.0	1.5
	1258 UCD A34	4140 (6)	50.9	43	1.8	1.8	1.5	2.3	1.0	2.0
	1259 UCD B366	3620 (15)	50.0	45	3.3	2.5	1.5	2.5	1.0	1.0
	1260 UCD B372	3930 (10)	50.5	44	2.5	2.0	1.8	1.5	1.0	1.3
	1261 UCD A237	3930 (9)	51.7	43	2.3	1.8	1.3	1.3	1.0	2.0
	1263 UCD C43	4160 (5)	56.6	40	1.3	1.5	1.0	1.0	1.0	1.0
	1266 UCD C51	3290 (16)	55.8	40	2.0	1.5	1.0	1.0	1.0	1.0
	1283 UCD 1283	3080 (20)	51.4	43	1.8	1.3	1.8	3.3	1.0	1.3
	1284 UCD 1284	3720 (13)	50.8	43	2.0	1.8	2.5	2.0	1.0	1.3
	1285 UCD 1285	4180 (4)	51.7	43	1.5	1.0	1.0	1.8	1.0	1.0
	1286 UCD 1286	2620 (23)	49.8	41	2.5	2.0	3.3	1.0	1.0	1.5
	1287 BA4513	3150 (18)	49.1	42	2.0	1.5	4.0	1.3	1.3	1.3
	1288 BA1129A	1350 (29)	50.5	35	3.3	1.8	7.0	1.3	1.5	3.0
	MEAN	3300	50.8	41	2.1	1.7	2.3	1.7	1.1	1.4
	CV	20.9	3.2	3.9	54.2	44.5	28.4	28.3	41.7	67.6
	LSD (.05)	970	2.7	3	1.6	ns	0.9	0.7	ns	ns

Rating scale for foliar diseases (area of flag-1 leaf affected), lodging, shatter, and animal damage:
 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.

2011 TULARE RAINFED BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Scald 5/2
<u>CULTIVARS</u>						
	603 UC 603	4700 (26)	50.9	39	1.0	1.0
	816 MAX	4910 (25)	48.1	31	1.0	4.8
	933 UC 933	5760 (14)	50.2	39	1.5	1.0
	951 MELTAN	5270 (22)	55.6	34	1.0	3.0
	969 UC 969	5390 (19)	52.9	44	1.0	1.0
	1047 ISHI	5880 (10)	48.9	39	1.5	1.0
	1085 COMMANDER	5760 (13)	51.8	36	1.0	4.3
	1134 TAMALPAIS	5330 (21)	50.2	37	1.0	1.0
<u>ADVANCED LINES</u>						
	1231 UCD 08YP 111	5910 (7)	49.1	42	1.0	1.0
	1232 UCD 08YP 301	5390 (20)	49.6	38	1.0	1.0
	1248 UCD B99	5700 (15)	47.7	35	1.0	1.0
	1249 UCD B110	5770 (12)	48.2	39	1.0	1.0
	1252 UCD B156	6000 (4)		42	1.0	1.0
	1254 UCD C284	5940 (6)	49.1	43	1.0	1.0
	1255 UCD B369	5480 (17)	47.0	41	1.0	1.0
	1256 UCD B398	5890 (8)	47.8	38	1.0	1.0
	1257 UCD B47	5420 (18)	46.5	38	1.0	1.0
	1258 UCD A34	5890 (9)	47.6	41	1.0	1.0
	1259 UCD B366	5960 (5)	49.0	43	1.0	1.0
	1260 UCD B372	6010 (3)	46.5	44	1.3	1.0
	1261 UCD A237	6040 (2)	48.8	41	1.3	1.0
	1263 UCD C43	4350 (27)	50.6	38	1.0	1.0
	1266 UCD C51	5170 (23)	53.2	38	1.3	1.0
	1283 UCD 1283	5880 (11)	49.4	42	1.0	1.3
	1284 UCD 1284	6370 (1)	47.6	39	1.0	1.0
	1287 BA4513	5020 (24)	45.3	38	1.0	3.8
	1288 BA1129A	5510 (16)	50.9	35	1.0	3.3
	MEAN	5580	49.3	39	1.1	1.5
	CV	8.7	3.0	5.8	25.6	32.2
	LSD (.05)	680	3.0	5	ns	0.7

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

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

Numbers in parentheses indicate relative rank in column.

2011 CLARKSBURG RAINFED BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Lodging Harvest	Shatter	Stripe Rust 4/27	Leaf Rust 4/27	Net Blotch 4/27	Scald 4/27	Powdery Mildew 4/27	Root Rot 4/27
<u>CULTIVARS</u>												
	603 UC 603	1480 (29)	47.6	26	5.5	1.5	1.0	1.0	1.0	1.0	1.0	5.8
	816 MAX	2280 (27)	49.3	25	1.5	2.0	4.0	1.0	2.8	1.0	1.0	3.3
	933 UC 933	2440 (25)	48.4	28	2.5	1.0	1.0	1.0	1.0	1.0	1.0	5.0
	951 MELTAN	2000 (28)	52.4	29	5.0	1.0	1.0	1.0	7.3	1.8	1.0	5.0
	969 UC 969	2310 (26)	50.4	32	4.5	3.5	1.3	1.0	1.0	1.0	1.0	4.8
	1047 ISHI	3780 (6)	49.2	34	2.0	3.5	1.3	1.0	1.0	1.0	1.0	4.0
	1085 COMMANDER	3280 (12)	46.4	26	1.5	1.0	2.3	2.0	1.3	3.5	1.8	3.3
	1134 TAMALPAIS	2720 (22)	50.1	28	2.5	3.0	1.0	1.0	1.0	1.0	1.0	3.3
<u>ADVANCED LINES</u>												
	1231 UCD 08YP 111	3560 (8)	49.3	33	2.0	2.0	1.3	1.0	1.0	1.5	1.0	3.3
	1232 UCD 08YP 301	3050 (16)	48.0	32	2.5	1.0	1.0	1.0	1.0	1.0	1.0	4.3
	1248 UCD B99	4050 (5)	47.4	27	2.0	2.0	1.0	1.0	1.0	1.0	1.0	3.3
	1249 UCD B110	3210 (14)	48.1	31	2.0	2.5	1.0	1.0	1.0	1.0	1.0	4.0
	1252 UCD B156	3610 (7)	50.1	35	2.5	2.0	1.0	1.0	1.0	1.0	1.0	3.8
	1254 UCD C284	2550 (24)	48.0	34	4.0	2.0	1.3	1.0	1.0	1.0	1.0	4.5
	1255 UCD B369	3050 (17)	48.8	29	2.0	2.5	1.8	1.0	1.0	1.0	1.0	4.8
	1256 UCD B398	4320 (2)	49.8	31	2.0	2.0	1.0	1.0	1.0	1.0	1.0	3.3
	1257 UCD B47	4150 (3)	47.9	32	2.5	1.5	2.0	1.0	1.5	2.0	1.0	3.0
	1258 UCD A34	3030 (18)	48.6	31	4.0	2.5	1.0	1.0	1.0	1.0	1.0	4.3
	1259 UCD B366	2960 (20)	48.1	28	3.0	2.5	1.5	1.0	1.5	2.3	1.0	3.8
	1260 UCD B372	3430 (10)	49.4	33	2.5	2.0	1.0	1.0	1.0	1.0	1.0	4.0
	1261 UCD A237	3210 (13)	48.8	30	1.5	2.0	1.0	1.0	1.0	1.3	1.0	4.5
	1263 UCD C43	2670 (23)	54.2	30	1.0	2.0	1.0	1.0	1.0	1.0	1.0	2.5
	1266 UCD C51	3000 (19)	53.5	34	1.0	2.5	1.0	1.0	1.0	1.0	1.0	2.3
	1283 UCD 1283	4060 (4)	48.7	31	6.0	1.0	1.0	1.0	1.5	1.0	1.0	3.3
	1284 UCD 1284	4620 (1)	48.1	30	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.5
	1285 UCD 1285	3180 (15)	49.6	34	3.5	1.5	1.3	1.0	1.0	1.0	1.0	4.5
	1286 UCD 1286	3370 (11)	47.1	30	3.5	3.0	1.8	1.0	1.0	1.0	1.0	3.5
	1287 BA4513	3510 (9)	49.0	29	4.5	1.0	2.0	1.0	1.0	3.8	3.0	2.8
	1288 BA1129A	2850 (21)	47.8	28	1.0	2.5	3.5	1.0	1.5	3.0	1.0	2.3
	MEAN	3160	49.1	30	2.8	2.0	1.4	1.0	1.4	1.4	1.1	3.7
	CV	19.2	1.4	8.7	37.5	39.0	61.7	35.9	32.5	62.8	42.6	27.9
	LSD (.05)	1240	1.4	5	2.1	ns	1.2	ns	0.6	1.2	0.7	1.5

Rating scale for foliar diseases (area of flag-1 leaf affected), lodging, shatter, and root rot:

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.

2011 DAVIS RAINFED BARLEY

Entry	Name	Yield (lb/acre)	Test Wt (lb/bu)	Plant Ht (in)	Days To		Lodging Harvest	Shatter	Stripe Rust 5/25	Leaf Rust 5/25	BYDV 5/25	Powdery Mildew 5/25
					Heading (From 3/1)	Maturity						
<u>CULTIVARS</u>												
	603 UC 603	6300 (21)	49.3	36	52	88	2.0	1.0	1.0	1.0	1.0	1.5
	816 MAX	5090 (31)	45.7	26	63	109	3.0	1.0	7.5	1.0	1.0	2.8
	933 UC 933	5770 (24)	49.7	34	55	108	3.0	1.3	1.0	1.0	1.0	1.0
	951 MELTAN	4680 (33)	51.7	32	47	93	1.3	1.0	1.5	1.0	4.3	1.0
	969 UC 969	6410 (19)	52.5	38	52	91	2.3	1.0	1.0	1.0	1.0	1.0
	1047 ISHI	6210 (23)	49.2	31	59	107	3.0	1.0	1.0	1.0	1.0	1.0
	1085 COMMANDER	5550 (28)	50.5	28	59	105	3.0	1.0	3.0	4.8	1.3	1.3
	1134 TAMALPAIS	5050 (32)	52.8	30	58	106	2.3	1.0	1.0	1.0	1.0	1.3
<u>ADVANCED LINES</u>												
	1231 UCD 08YP 111	7640 (2)	49.9	35	63	110	2.8	1.0	1.3	1.0	1.0	1.0
	1232 UCD 08YP 301	6440 (18)	49.7	34	56	109	2.5	1.0	1.0	1.0	1.0	1.0
	1248 UCD B99	6350 (20)	49.2	31	58	104	2.0	1.0	1.0	1.0	1.0	1.0
	1249 UCD B110	7090 (8)	50.1	38	62	108	3.0	1.0	1.3	1.0	1.0	1.0
	1252 UCD B156	7030 (9)	50.3	38	62	108	3.0	1.0	1.0	1.0	1.0	1.0
	1254 UCD C284	7410 (4)	49.6	34	62	108	2.5	1.0	1.0	1.0	1.0	1.0
	1255 UCD B369	7670 (1)	49.7	35	63	109	2.8	1.0	1.0	1.0	1.0	1.0
	1256 UCD B398	7320 (6)	50.0	37	62	108	2.8	1.0	1.0	1.0	1.0	1.0
	1257 UCD B47	6720 (15)	49.0	37	62	108	2.3	1.0	1.3	1.0	1.0	1.0
	1258 UCD A34	6880 (13)	49.6	34	62	108	2.8	1.0	1.0	1.0	1.0	1.0
	1259 UCD B366	6670 (16)	49.4	37	64	110	2.5	1.0	1.0	1.0	1.0	1.0
	1260 UCD B372	6910 (12)	49.8	37	62	108	3.3	1.0	1.0	1.0	1.0	1.3
	1261 UCD A237	7150 (7)	49.6	34	63	109	3.0	1.0	1.3	1.0	1.0	1.0
	1263 UCD C43	5290 (30)	55.0	36	61	107	2.5	1.0	1.0	1.0	1.0	1.0
	1266 UCD C51	5630 (26)	54.1	35	62	108	3.0	1.0	1.0	1.0	1.0	1.5
	1279 UCD 1279	6260 (22)	50.6	36	57	98	3.0	2.0	1.0	1.0	1.3	1.0
	1280 UCD 1280	7400 (5)	50.5	42	58	103	4.0	1.8	1.0	1.0	1.0	1.0
	1281 UCD 1281	5670 (25)	50.8	45	54	101	7.0	4.5	1.0	1.0	1.0	1.0
	1282 UCD 1282	5620 (27)	47.1	41	56	100	3.8	1.5	1.3	1.0	1.8	1.0
	1283 UCD 1283	6460 (17)	49.4	36	59	107	3.3	1.0	1.0	1.0	1.0	1.0
	1284 UCD 1284	6920 (11)	48.9	35	62	108	3.0	1.3	1.3	1.0	1.0	1.3
	1285 UCD 1285	6950 (10)	50.4	36	62	108	2.3	1.0	1.0	1.0	1.0	1.0
	1286 UCD 1286	7550 (3)	49.5	34	63	109	3.0	1.0	1.0	1.0	1.0	1.8
	1287 BA4513	6830 (14)	50.0	34	62	108	4.5	1.0	1.5	1.3	1.0	3.0
	1288 BA1129A	5470 (29)	48.7	30	60	107	4.3	1.0	4.5	2.3	1.3	3.3
	MEAN	6440	50.1	35	59	105	3.0	1.2	1.4	1.2	1.1	1.3
	CV	7.8	1.4	5.5	2.1	1.9	33.7	37.2	24.0	13.1	24.6	40.2
	LSD (.05)	700	1.0	4	2	3	1.4	0.6	0.5	0.2	0.4	0.7

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

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

BYDV ratings (see scale above) were based on percentage of plants showing foliar symptoms.

Numbers in parentheses indicate relative rank in column.

2011 Rainfed Barley Stripe Rust Over Location Summary

Entry	Name	Stripe Rust							
		Mean (7 Loc)	Irrigated			Rainfed			
			Fresno 5/3	UCD 5/25	Chico 6/1	Clarksburg 4/27	UCD 5/25	SLO 5/16	Tehama 6/1
<u>CULTIVARS</u>									
	603 UC 603	1.0 (1)	1.3	1.0	1.0	1.0	1.0	1.0	1.0
	816 MAX	6.0 (33)	5.5	6.0	5.8	4.0	7.5	7.8	5.5
	933 UC 933	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	951 MELTAN	1.5 (25)	1.3	2.3	1.0	1.0	1.5	2.5	1.0
	969 UC 969	1.3 (18)	1.0	1.5	1.0	1.3	1.0	2.0	1.0
	1047 ISHI	1.3 (18)	1.3	1.3	1.0	1.3	1.0	2.0	1.0
	1085 COMMANDER	4.7 (32)	6.0	3.8	7.0	2.3	3.0	7.8	2.8
	1134 TAMALPAIS	1.2 (12)	1.0	1.0	1.0	1.0	1.0	2.3	1.0
<u>ADVANCED LINES</u>									
	1231 UCD 08YP 111	1.4 (23)	1.3	1.8	1.0	1.3	1.3	2.0	1.0
	1232 UCD 08YP 301	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.3	1.0
	1248 UCD B99	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1249 UCD B110	1.4 (23)	1.5	1.3	1.3	1.0	1.3	2.3	1.0
	1252 UCD B156	1.2 (12)	1.3	1.3	1.0	1.0	1.0	1.5	1.0
	1254 UCD C284	1.2 (12)	1.5	1.0	1.0	1.3	1.0	1.5	1.0
	1255 UCD B369	1.3 (18)	1.8	1.0	1.0	1.8	1.0	1.3	1.0
	1256 UCD B398	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.3	1.0
	1257 UCD B47	1.9 (28)	3.0	1.8	1.8	2.0	1.3	2.0	1.3
	1258 UCD A34	1.3 (18)	2.3	1.5	1.0	1.0	1.0	1.5	1.0
	1259 UCD B366	1.3 (18)	1.5	1.0	1.3	1.5	1.0	1.5	1.0
	1260 UCD B372	1.2 (12)	1.5	1.0	1.0	1.0	1.0	1.8	1.0
	1261 UCD A237	1.2 (12)	1.5	1.3	1.0	1.0	1.3	1.3	1.0
	1263 UCD C43	1.1 (10)	1.0	1.0	1.0	1.0	1.0	1.0	1.8
	1266 UCD C51	1.0 (1)	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1279 UCD 1279	1.0 (1)	-	-	-	-	1.0	-	-
	1280 UCD 1280	1.0 (1)	-	-	-	-	1.0	-	-
	1281 UCD 1281	1.0 (1)	-	1.0	-	-	1.0	-	-
	1282 UCD 1282	1.2 (12)	-	1.0	-	-	1.3	-	-
	1283 UCD 1283	1.7 (26)	1.8	-	2.8	1.0	1.0	1.8	-
	1284 UCD 1284	1.7 (26)	1.8	-	1.8	1.0	1.3	2.5	-
	1285 UCD 1285	1.1 (10)	1.0	-	1.0	1.3	1.0	1.0	-
	1286 UCD 1286	2.2 (29)	2.5	-	-	1.8	1.0	3.3	-
	1287 BA4513	2.3 (30)	2.5	2.0	1.8	2.0	1.5	4.0	2.3
	1288 BA1129A	4.4 (31)	2.8	5.5	5.3	3.5	4.5	7.0	2.0
	MEAN	1.6	1.8	1.7	1.7	1.4	1.4	2.3	1.4
	CV	40.8	33.9	24.8	57.0	61.7	24.0	28.4	45.5
	LSD (.05)	0.4	0.9	0.6	1.4	1.2	0.5	0.9	0.9

Rating scale for foliar diseases (area of flag-1 leaf affected): 1 = 0-3%, 2 = 4-14%, 3 = 15-29%, 4 = 30-49%, 5 = 50-69%, 6 = 70-84%, 7 = 85-95%, 8 = 96-100%.

2009-11 BARLEY OVER YEAR YIELD SUMMARY

Entry	Name	Sacramento Valley			San Joaquin Valley			Rainfed Tests		
		2011 (2 Loc)	2010-11 (3 Loc/Yr)	2009-11 (4 Loc/Yr)	2011 (1 Loc)	2010-11 (2 Loc/Yr)	2009-11 (3 Loc/Yr)	2011 (5 Loc)	2010-11 (9 Loc/Yr)	2009-11 (13 Loc/Yr)
CULTIVARS										
603	UC 603	3980 (20)	4520 (18)	4730 (6)	5360 (25)	5710 (20)	5930 (7)	3860 (21)	3820 (18)	3230 (7)
816	MAX	3350 (25)	3870 (22)	3680 (9)	5920 (21)	5830 (19)	6390 (4)	3520 (25)	3360 (20)	2780 (9)
933	UC 933	4550 (15)	5330 (14)	5140 (3)	6480 (16)	6410 (15)	6310 (5)	4370 (16)	4540 (14)	3890 (4)
951	MELTAN	3630 (24)	4160 (21)	3980 (8)	5040 (27)	5200 (21)	5550 (8)	3660 (24)	3710 (19)	3170 (8)
969	UC 969	4160 (17)	4670 (17)	4570 (7)	5030 (28)	4870 (22)	5200 (9)	3970 (20)	4110 (16)	3480 (5)
1047	ISHI	4930 (13)	5700 (11)	5440 (2)	6950 (4)	7140 (3)	7050 (2)	4960 (9)	4970 (1)	4070 (1)
1085	COMMANDER	3720 (23)	-	-	4090 (29)	-	-	4160 (18)	-	-
1134	TAMALPAIS	4030 (19)	4770 (16)	4780 (5)	5610 (23)	6020 (18)	6020 (6)	3770 (23)	3900 (17)	3300 (6)
ADVANCED LINES										
1231	UCD 08YP 111	5130 (7)	6020 (3)	5840 (1)	6950 (3)	7510 (1)	7340 (1)	5070 (5)	4830 (5)	3990 (2)
1232	UCD 08YP 301	4410 (16)	5210 (15)	5100 (4)	5990 (19)	6190 (16)	6430 (3)	4470 (15)	4670 (10)	3970 (3)
1248	UCD B99	5000 (12)	5600 (13)	-	6690 (12)	6850 (10)	-	4850 (10)	4590 (13)	-
1249	UCD B110	5010 (11)	5810 (9)	-	6770 (8)	6880 (9)	-	4760 (12)	4620 (11)	-
1252	UCD B156	5190 (6)	5980 (5)	-	6780 (7)	7120 (5)	-	5110 (2)	4850 (4)	-
1254	UCD C284	5120 (8)	5700 (12)	-	6450 (17)	6620 (14)	-	4980 (6)	4770 (7)	-
1255	UCD B369	5480 (1)	5900 (7)	-	6750 (10)	7030 (6)	-	5070 (4)	4880 (3)	-
1256	UCD B398	5070 (9)	5780 (10)	-	6560 (14)	7130 (4)	-	5240 (1)	4830 (6)	-
1257	UCD B47	5040 (10)	5830 (8)	-	5990 (20)	6160 (17)	-	4570 (13)	4370 (15)	-
1258	UCD A34	5340 (3)	5940 (6)	-	6520 (15)	6830 (11)	-	4960 (8)	4680 (9)	-
1259	UCD B366	5190 (5)	6010 (4)	-	6880 (6)	6910 (8)	-	4780 (11)	4600 (12)	-
1260	UCD B372	5480 (2)	6080 (2)	-	6610 (13)	7010 (7)	-	4980 (7)	4750 (8)	-
1261	UCD A237	5230 (4)	6100 (1)	-	6950 (2)	7240 (2)	-	5090 (3)	4900 (2)	-
1263	UCD C43	3800 (22)	4460 (20)	-	6900 (5)	6710 (12)	-	4110 (19)	-	-
1266	UCD C51	4090 (18)	4520 (19)	-	6700 (11)	6640 (13)	-	4190 (17)	-	-
1283	UCD 1283	-	-	-	5800 (22)	-	-	-	-	-
1284	UCD 1284	-	-	-	6760 (9)	-	-	-	-	-
1285	UCD 1285	-	-	-	6060 (18)	-	-	-	-	-
1286	UCD 1286	-	-	-	7000 (1)	-	-	-	-	-
1287	BA4513	4820 (14)	-	-	5190 (26)	-	-	4570 (14)	-	-
1288	BA1129A	3890 (21)	-	-	5470 (24)	-	-	3830 (22)	-	-
	MEAN	4620	5360	4820	6210	6550	6250	4350	4120	3360
	CV	13.4	11.3	11.5	6.9	6.2	7.9	13.0	16.5	22.4
	LSD (.05)	610	490	390	600	400	400	390	360	330

Numbers in parentheses indicate relative rank in column.

2011 UC INTERMOUNTAIN SPRING BARLEY TEST

Entry	Name	Type	Parentage	Source
<u>CULTIVARS</u>				
204	STEPTOE	6RSF	WA3564/Unitan	WSU
688	ROBUST	6RSM	Morex / Manker	MN
821	HARRINGTON	2RSM	KLAGES/3/GAZELLE/BETZES//CENTENNIAL	USASK
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
977	MERIT	2RSM	MANLEY/2B80-350	BARI
1010	MILLENNIUM	6RSF	UT87B603-1266/Short#2	USU
1016	STATEHOOD	6RSF	WA641566/Braken (UT1705-D)	USU
1075	LACEY	6RSM	M44 / Excel // M46 / M44 /3/ M44 / Excel // Stander	MN
1082	CONRAD	2RSM	B1215/2B88-5336	BARI
1083	TRADITION	6RSM	6B89-2126/ND10981	BARI
1084	LEGACY	6RSM	6B86-3517/Excel	BARI
1197	HOCKETT	2RSF/M		MT
1217	AC Metcalfe	2RSM	AC Oxbow/Manley	AG Canada
1297	CDC COPELAND	2RSM		ID
1298	CONLON	2RSM		NDSU
1299	MERIT 57	2RSM		BARI
1300	PINNACLE	2RSM		NDSU
1301	CELEBRATION	6RSM		BARI
1302	STELLAR-ND	6RSM		NDSU
1315	CDC KINDERSLEY	2RSM	SM00490/BM9647D-64	USASK
<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
1171	T/S/E 11-18	6RSM	Tango/Stander//Excel	OSU
1201	TLB 148	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
1274	UCD 4B	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
1289	UCD 1289	6RSF	Creel X UC 960 (F6)	UCD
1290	UCD 1290	6RSF	Creel X UC 960 (F6)	UCD
1291	UCD 1291	6RSF	22IBYT7//UC1047/UC999	UCD
1292	UCD 1292	6RSF	Creel X UC 960 (F6)	UCD
1293	UCD 1293	6RSF	Creel X UC 960 (F6)	UCD
1294	UCD 1294	6RSF	Creel X UC 960 (F6)	UCD
1295	UCD 1295	6RSF	Creel X UC 960 (F6)	UCD
1296	UCD 1296	6RSF	Creel X UC 960 (F6)	UCD
1303	2B04-0175	2RSM	2B97-4719/2B97-4004	BARI
1304	2B05-0811	2RSM	2B99-2763/2B00-0719	BARI
1305	2B06-0929	2RSM	2B97-4004//2B00-0784/2B99-2771	BARI
1306	2B06-0933	2RSM	2B97-4004//2B97-4299/2B99-2763	BARI
1307	2B07-1516	2RSM		BARI
1308	2B07-1590	2RSM	MERIT 16/2B01-2005	BARI
1309	UT04B2041-42	6RSF	Goldeneye/Columbia	USU
1310	UT6R2120-14	6RSF		USU
1311	05WA-316.K	6RSF	Baronesse/PB1-95-2R-522	WSU
1312	05WA-316.99	6RSF	Baronesse/PB1-95-2R-522	WSU
1313	06WA-412.4	6RSF	Bob/Baronesse//Xena/3/WA 10497-97	WSU
1314	WAS 2	6RSW	Bastama/Meresse	WSU

50 Entries

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; MN = University of Minnesota; MT = University of Montana;
 NDSU = North Dakota State University; OSU = Oregon State University; UCD = University of California, Davis;
 USASK = University of Saskatchewan; USU = Utah State University;
 WB = WESTBRED, LLC; WSU = Washington State University

2011 LASSEN SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	Plant Ht (in)
<u>CULTIVARS</u>				
204	STEPTOE	4360 (5)	49.0	28
900	BARONESSE	3720 (10)	50.2	24
960	UC 960	4090 (7)	49.2	22
1010	MILLENNIUM	3180 (17)	46.1	24
1016	STATEHOOD	3550 (12)	47.2	28
1082	CONRAD	2170 (24)	46.3	25
1084	LEGACY	3320 (14)	51.9	32
1217	AC METCALFE	2620 (23)	49.2	29
<u>ADVANCED LINES</u>				
1099	UCD-TL20	3920 (9)	48.2	24
1135	UCD YP03-8/2	3660 (11)	55.5	27
1171	T/S//E 11-18	3310 (15)	52.0	26
1201	TLB 148	4880 (1)	46.8	23
1219	BZ502-265	1890 (25)	45.3	28
1268	UCD 1A	4770 (3)	46.9	19
1274	UCD 4B	3970 (8)	47.3	23
1277	UCD 9B	4190 (6)	48.3	23
1278	UCD 10B	4810 (2)	50.1	24
1289	UCD 1289	3270 (16)	46.6	24
1290	UCD 1290	2940 (19)	50.0	27
1291	UCD 1291	4410 (4)	48.6	25
1292	UCD 1292	2820 (20)	48.1	25
1293	UCD 1293	2960 (18)	46.4	22
1294	UCD 1294	2690 (21)	46.4	22
1295	UCD 1295	3480 (13)	49.2	26
1296	UCD 1296	2670 (22)	47.3	25
	MEAN	3510	48.5	25.0
	CV	21.1	1.7	8.6
	LSD (.05)	1210	1.7	4.0

Numbers in parentheses indicate relative rank in column.

2011 SISKIYOU SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	Plant Ht (in)	Lodging Harvest
<u>CULTIVARS</u>					
204	STEPTOE	6090 (8)	49.4	43	7.0
900	BARONESSE	5630 (13)	51.6	41	6.7
960	UC 960	6080 (9)	49.7	36	2.3
1010	MILLENNIUM	7640 (1)	52.1	44	2.0
1016	STATEHOOD	6500 (3)	50.5	42	5.3
1082	CONRAD	5460 (18)	53.2	40	5.7
1084	LEGACY	4680 (23)	51.4	48	7.0
1217	AC METCALFE	4960 (21)	53.3	46	6.7
<u>ADVANCED LINES</u>					
1099	UCD-TL20	6020 (10)	47.5	39	4.0
1135	UCD YP03-8/2	5290 (19)	55.1	38	4.0
1171	T/S//E 11-18	4200 (25)	49.1	39	7.7
1201	TLB 148	6790 (2)	49.8	42	3.0
1219	BZ502-265	5470 (17)	52.9	42	7.0
1268	UCD 1A	6150 (7)	47.7	35	3.0
1274	UCD 4B	6500 (4)	49.8	40	3.7
1277	UCD 9B	5680 (11)	49.6	36	5.7
1278	UCD 10B	5540 (14)	49.7	40	4.7
1289	UCD 1289	6210 (6)	49.8	37	3.3
1290	UCD 1290	5480 (16)	50.3	42	5.7
1291	UCD 1291	4900 (22)	46.3	42	6.0
1292	UCD 1292	4520 (24)	50.2	38	3.0
1293	UCD 1293	5640 (12)	48.6	37	2.0
1294	UCD 1294	5530 (15)	48.4	37	1.7
1295	UCD 1295	6420 (5)	50.0	40	3.7
1296	UCD 1296	5160 (20)	48.7	39	3.3
	MEAN	5740	50.2	40.0	4.6
	CV	11.8	2.6	6.3	40.5
	LSD (.05)	1120	2.7	4.0	3.0

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

Numbers in parentheses indicate relative rank in column.

2011 TULELAKE SPRING BARLEY TEST

Entry	Name	Yield (lbs/acre)	Test Wt (lbs/bu)	Plant Ht (in)	Lodging Harvest	Days to Heading (From 3/1)
<u>CULTIVARS</u>						
204	STEPTOE	7350 (9)	50.5	39	2.0	128
688	ROBUST	4820 (50)	53.9	48	2.0	130
821	HARRINGTON	5650 (41)	54.5	39	4.3	132
900	BARONESSE	5920 (37)	54.2	35	7.0	132
960	UC 960	6800 (19)	51.2	32	1.0	127
977	MERIT	5900 (38)	54.1	39	5.3	133
1010	MILLENNIUM	8050 (4)	53.0	40	1.0	126
1016	STATEHOOD	8130 (3)	52.3	39	1.0	127
1075	LACEY	7210 (13)	54.9	41	5.0	127
1082	CONRAD	5600 (43)	54.4	37	4.0	130
1083	TRADITION	5950 (36)	51.7	42	5.7	130
1084	LEGACY	6210 (32)	51.8	42	7.3	129
1197	HOCKETT	6430 (26)	49.8	32	1.0	129
1217	AC METCALFE	5520 (46)	55.8	40	5.0	131
1297	CDC COPELAND	5690 (40)	51.3	41	5.7	132
1298	CONLON	5640 (42)	55.6	36	6.7	121
1299	MERIT 57	5590 (44)	52.7	39	5.7	131
1300	PINNACLE	6590 (23)	55.2	37	6.0	130
1301	CELEBRATION	6100 (33)	52.5	40	7.3	129
1302	STELLAR-ND	6450 (25)	53.5	42	4.3	128
1315	CDC KINDERSLEY	6220 (30)	54.1	38	4.3	130
<u>ADVANCED LINES</u>						
1099	UCD-TL20	8140 (2)	50.7	38	1.0	129
1135	UCD YP03-8/2	6090 (34)	51.5	37	3.7	135
1171	T/S/E 11-18	5480 (48)	51.8	39	7.0	129
1201	TLB 148	7670 (7)	50.4	38	1.0	132
1219	BZ502-265	6710 (21)	55.3	38	4.7	130
1268	UCD 1A	7760 (5)	49.4	32	2.0	129
1274	UCD 4B	6690 (22)	48.6	37	3.3	134
1277	UCD 9B	6430 (27)	50.7	36	5.7	130
1278	UCD 10B	7250 (12)	52.0	40	4.0	128
1289	UCD 1289	7080 (15)	51.3	35	1.7	129
1290	UCD 1290	7690 (6)	53.0	40	1.7	128
1291	UCD 1291	7320 (10)	51.2	36	1.0	130
1292	UCD 1292	7140 (14)	52.7	36	1.0	130
1293	UCD 1293	7280 (11)	50.5	36	1.0	131
1294	UCD 1294	7590 (8)	50.5	36	1.0	131
1295	UCD 1295	6930 (17)	49.7	38	1.0	131
1296	UCD 1296	6360 (29)	49.0	39	1.0	133
1303	2B04-0175	7000 (16)	56.0	39	4.7	129
1304	2B05-0811	5520 (47)	53.8	37	5.3	130
1305	2B06-0929	6750 (20)	54.1	35	4.0	129
1306	2B06-0933	6040 (35)	54.9	37	2.7	130
1307	2B07-1516	5730 (39)	54.4	39	5.3	133
1308	2B07-1590	6550 (24)	53.9	36	4.3	131
1309	UT04B2041-42	8180 (1)	55.3	39	1.3	129
1310	UT6R2120-14	6910 (18)	53.5	38	3.7	127
1311	05WA-316.K	4970 (49)	54.1	35	6.7	129
1312	05WA-316.99	6220 (31)	53.6	38	5.3	132
1313	06WA-412.4	5580 (45)	54.4	37	6.0	133
1314	WAS 2	6390 (28)	54.7	34	4.7	129
	MEAN	6530	52.8	38	3.8	130
	CV	10.6	1.6	5.1	31.6	0.6
	LSD (.05)	1120	1.7	3	1.9	1.0

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

2009-11 INTERMOUNTAIN SPRING BARLEY YIELD SUMMARY

Entry	Name	2011 (3 Loc)	2010-11 (6 Loc/Yr)	2009-11 (8 Loc/Yr)
<u>CULTIVARS</u>				
204	STEPTOE	5930 (6)	5620 (6)	5400 (5)
900	BARONESSE	5090 (17)	5160 (11)	4790 (8)
960	UC 960	5660 (9)	5410 (10)	5470 (3)
1010	MILLENNIUM	6290 (2)	6000 (2)	5910 (2)
1016	STATEHOOD	6060 (4)	5560 (8)	5420 (4)
1082	CONRAD	4410 (23)	4830 (12)	4550 (9)
1084	LEGACY	4740 (20)	4610 (16)	4420 (11)
1217	AC METCALFE	4360 (24)	4380 (17)	4140 (13)
<u>ADVANCED LINES</u>				
1099	UCD-TL20	6030 (5)	5570 (7)	5260 (6)
1135	UCD YP03-8/2	5010 (18)	4790 (13)	4970 (7)
1171	T/S//E 11-18	4330 (25)	4690 (15)	4430 (10)
1201	TLB 148	6450 (1)	6070 (1)	5980 (1)
1219	BZ502-265	4690 (22)	4740 (14)	4360 (12)
1268	UCD 1A	6230 (3)	5970 (3)	-
1274	UCD 4B	5720 (8)	5770 (4)	-
1277	UCD 9B	5430 (13)	5460 (9)	-
1278	UCD 10B	5870 (7)	5730 (5)	-
1289	UCD 1289	5520 (12)	-	-
1290	UCD 1290	5370 (14)	-	-
1291	UCD 1291	5540 (11)	-	-
1292	UCD 1292	4830 (19)	-	-
1293	UCD 1293	5300 (15)	-	-
1294	UCD 1294	5270 (16)	-	-
1295	UCD 1295	5610 (10)	-	-
1296	UCD 1296	4730 (21)	-	-
	MEAN	5370	5310	4990
	CV	12.7	11.8	14.1
	LSD (.05)	630	410	400

Numbers in parentheses indicate relative rank in column.