

2015-2016 California Variety Performance for:

Fall-sown Common Wheat & Triticale

Fall-sown Durum Wheat

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Overview

University of California Cooperative Extension cereal evaluation tests were conducted in the Sacramento, San Joaquin, and Imperial Valleys, and the intermountain valleys of northern California in the 2016 season. 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. This report contains results for fall-sown spring wheat and triticale (49 entries) at 9 sites and fall-sown durum wheat (28 entries) at 5 sites.

Tests were conducted at University of California Field Stations or in fields of cooperating growers. Tests were sown at seeding rates of 1.0 million seeds per acre for all tests (equivalent to 70 to 115 lbs/acre for common wheat, 70 to 105 lbs/acre for triticale, and 85 to 145 lbs/acre for durum wheat, depending on the entry).

Randomized complete block designs with four replications were used for all tests. 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. 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 3.

Acknowledgements

These tests were conducted by the UC Davis Department of Plant Sciences. Land for the tests, the grain produced and other facilities were contributed by cooperating growers and the University of California. 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.

2014 - 2016 Fall-sown University of California Common Wheat and Triticale Test Locations

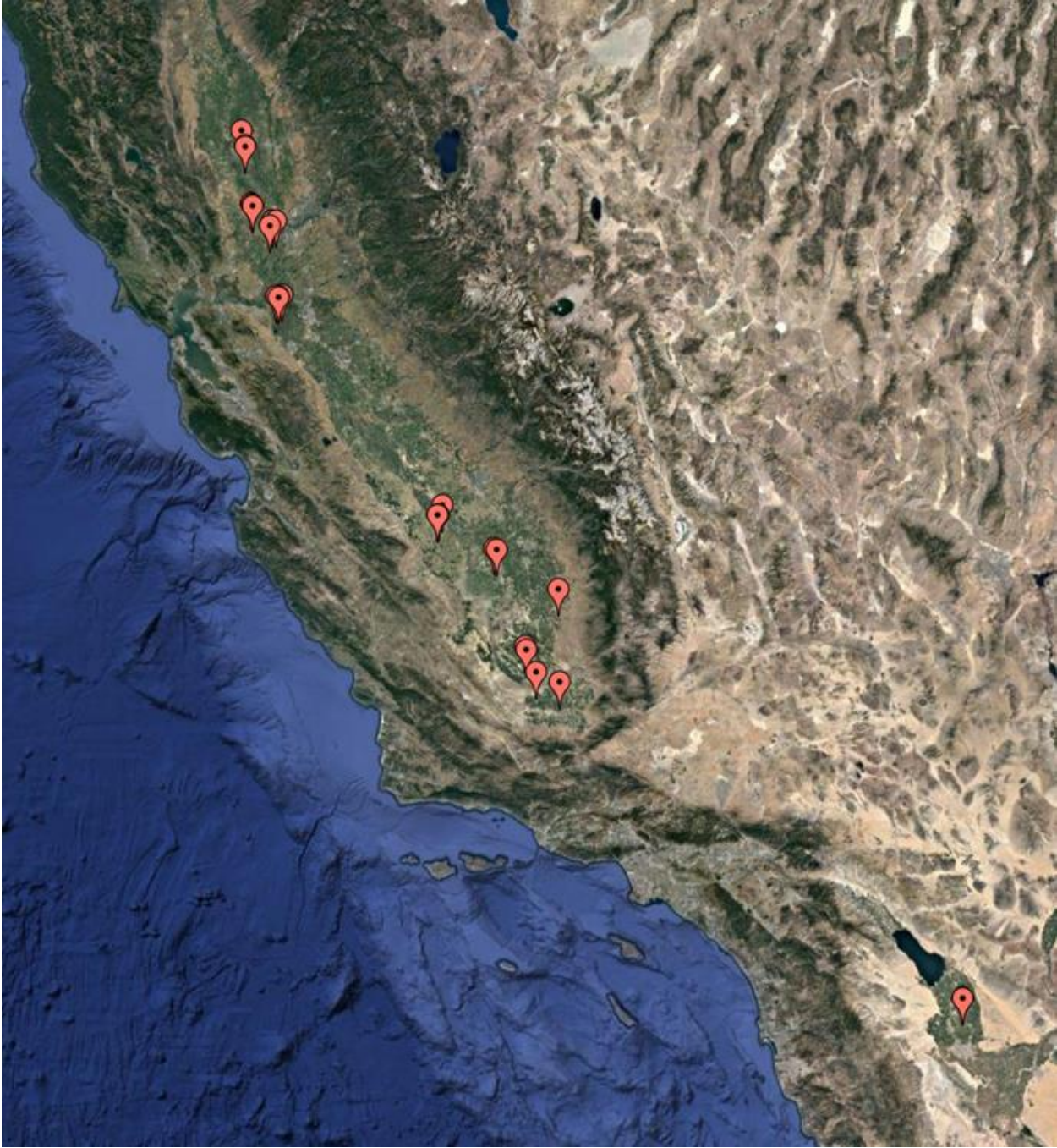


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Table 1. 2016 Common wheat and triticale entries.

Name	UC Number	Type	Status
ANZA	20	HRS	Released
CAL ROJO	1478	HRS	Released
UC-LASSIK	1495	HRS	Released
REDWING	1521	HRS	Released
BLANCA ROYALE	1522	HWS	Released
TRIPLE IV	1550	HRS	Released
ULTRA	1590	HRS	Released
FV 2808	1608	HRS	Released
WB-ROCKLAND	1650	HRS	Released
SY-BLANCA GRANDE 515	1657	HWS	Released
SUMMIT 515	1658	HRS	Released
SY 314	1660	HRS	Released
NEW DIRKWIN	1667	SWS	Released
UC-PATWIN 515	1680	HWS	Released
LCS-STAR	1688	HWS	Released
LG ATOMO	1723	HWS	Released
WB-JOQUIN ORO	1728	HRS	Released
WB-9229	1730	HRS	Released
WB-PATRON	1731	HRS	Released
UC-PATWIN 515HP	1743	HWS	Released
UC-YUROK	1745	HRS	Released
WB SJ909-368	1748	HRS	Advanced
WB-7618	1749	HWS	Released
WB DA908-306	1750	HWS	Advanced
WB 9904	1751	HRS	Advanced
SY-VACA	1766	SRS	Released
Tx06V7266	1778	SRS	Advanced
WB-7566	1802	HWS	Released
APB 501189	1807	HRS	Advanced
UC 15010-5	1814	HRS	Advanced
UC 15010-27	1815	HWS	Advanced
UC 15013-15	1816	HWS	Advanced
UC 15014-4	1817	HRS	Advanced
UC 15014-35	1818	HRS	Advanced
APB 500709	1819	HRS	Advanced
APB 501129	1820		Advanced
APB 8238	1821		Advanced
APB 501089	1828	HRS	Advanced
APB 8155	1829		Advanced
LCS 12SB0197	1830	HRS	Advanced
LCS 12SB0224	1831	HWS	Advanced
TRICAL 105	3097	TRIT	Released
WB-PACHECO	3164	TRIT	Released
CAMELOT	3168	TRIT	Released
SY 158T	3169	TRIT	
SY 115T	3170	TRIT	
PRL 011TS-429	3177	TRIT	
NS 10T50020	3178	TRIT	
NS 10T70126	3179	TRIT	

Table 2. 2016 Durum wheat entries.

Name	UC Number	Type	Status
APB-KRONOS	951	Dur	Released
WB-ORITA	1215	Dur	Released
UC-DESERT KING	1375	Dur	Released
SY-FORTISSIMO	1429	Dur	Released
SY-VOLANTE	1431	Dur	Released
APB-HELIOS	1440	Dur	Released
WB-HAVASU	1479	Dur	Released
APB-WESTMORE HP	1484	Dur	Released
AS-MAESTRALE	1582	Dur	Released
AS-SARAGOLLA	1583	Dur	Released
WB-MEAD	1607	Dur	Released
UC-DESERT KING-HP	1627	Dur	Released
APB-TIBURON	1640	Dur	Released
WB-MOHAVE	1654	Dur	Released
UC-MIWOK	1690	Dur	Released
LCS-KIKO	1697	Dur	Released
UC 1796	1796	Dur	Advanced
APB 571217	1810	Dur	Advanced
APB 571353	1812	Dur	Advanced
APB 335	1813	Dur	Advanced
APB 540505	1822	DUR	Advanced
APB 410077	1823	DUR	Advanced
UC 15210-11	1824	DUR	Advanced
UC 15210-12	1825	DUR	Advanced
UC 15210-24	1826	DUR	Advanced
APB 540165	1827	DUR	Advanced
LCS 12E4006	1832	DUR	Advanced
LCS 13SD0056	1833	DUR	Advanced

Table 3. 2016 Site Information

Site Name	Tests	Latitude	Longitude	Soil Type	Previous Crop	Planting Date	Fertilizer management	Irrigation	Rainfall (inches, 10/1/2015-6/30/2016)
Davis	Common & Triticale; Durum	38.5365578	-121.781492	Yolo loam	corn	11/12/2015	192lb N (92#N @ plant; 50#N @ jointing; 50#N @ heading)	2 flood irrigations, 12" total	14.83
Davis RF	Common & Triticale	38.5365578	-121.781492	Yolo loam	corn	11/12/2015	142lb N (92#N @ plant; 50#N @ jointing)	none	14.83
Colusa	Common & Triticale	39.0413259	-121.866365	Scribner silt loam	vineseed	11/14/2015	120lb N (preplant as aqua)	1 furrow irrigation, early April	11.74
Delta	Common & Triticale	37.9017053	-121.505636	Egbert muck	tomato	11/23/2015	137lb N (150# 11-52-0 @ preplant; 120#N topdress early vegetative)	2 furrow irrigations, early/late spring	13.2
Clarksburg	Common & Triticale	38.41523	-121.56833	Omni silty clay		12/1/2015	125lb N (preplant, aqua)		13.2
Fresno	Common & Triticale; Durum	36.3398027	-120.119236	Panoche Clay loam	cotton	11/16/2015	200lb N (50#N preplant; water run 50#N @ tillering + 50#N @ joint + 50#N @ boot)	Sprinklers early season (3.33"); 4 flood irrigations (13.4")	7.53
Fresno2	Common & Triticale; Durum	36.4082549	-120.075181	Posochanet clay loam	tomato	11/30/2015	250lb N (100# N @ Planting; 100# N @ boot; 50#N @ heading)	Sprinkler @ plant; SDI @ boot, heading, anthesis (20.8" total)	7.53
Kern	Common & Triticale; Durum	35.3695756	-119.33322	Westhaven fine sandy loam	cotton	11/18/2015	160lb N (100#N preplat; 60#N as urea in vegetative stage)	3 flood irrigations, 18" total	5
Tulare	Common & Triticale	35.8127432	-119.047062	Centerville clay	fallow	11/19/2015	50lb N (at tillering as urea)	none	6.37
Imperial	Common & Triticale; Durum	32.8109697	-115.443706	Imperial-Glenbar silty clay loam	sudangrass	11/18/2015	360lb N (90# N @ Planting; 90# N @ 3 wks; 95# N @ 12 wks; 85# N @15 wks)	5 flood irrigations, 32" total	0.88

Table 4. Ratings Key and Abbreviations

Rating scale for diseases (area of flag-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=Barley Yellow Dwarf Virus

Days (D) to Heading & D to Maturity (Davis only) are from 3/1/2016

SacV=Sacramento Valley

NCSJV=North-Central San Joaquin Valley

SoSJV=South San Joaquin Valley

ImpV=Imperial Valley

APB=Arizona Plant Breeders

AS=Allstar Seed

BAG=Baglieto Seed

LCS=Limagrain Cereal Systems

NS=Northern Seed

PRL=Plant Research Limited

SFS=Stanislaus Farm Supply

SY=Syngenta

UC=University of California

WB=Westbred-Monsanto

WWW=World Wide Wheat

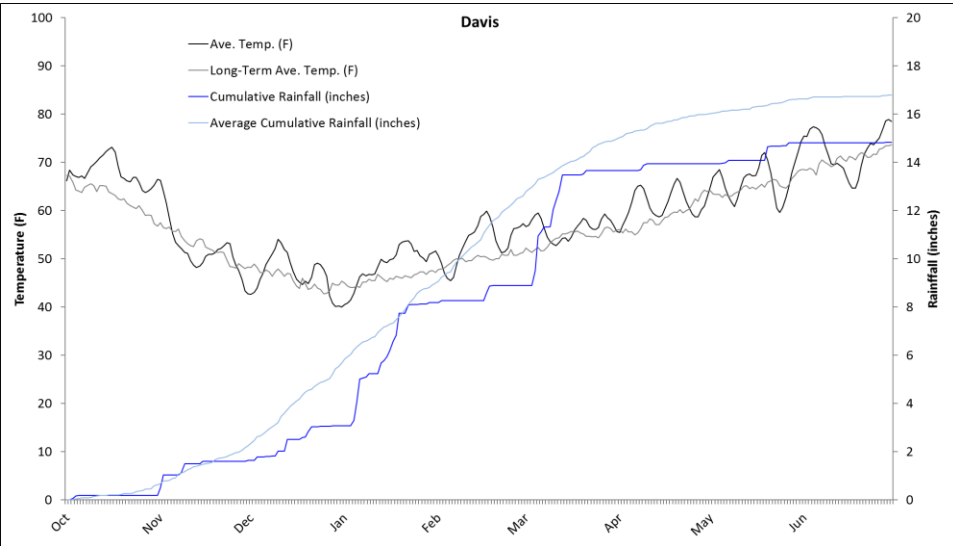


Figure 1. 2016 average temperatures (5-day moving average) and cumulative rainfall as compared to long-term daily average temperature and cumulative rainfall at Davis.

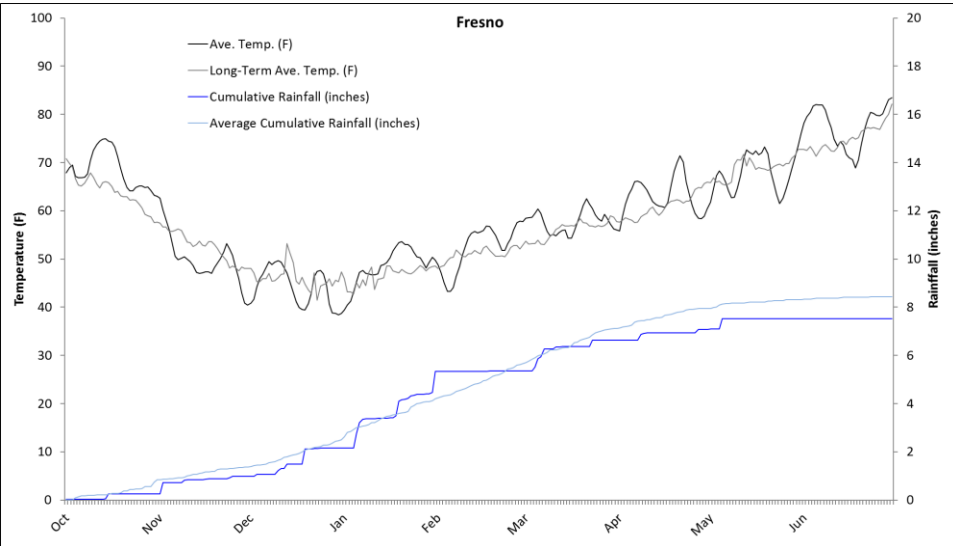


Figure 2. 2016 average temperatures (5-day moving average) and cumulative rainfall as compared to long-term daily average temperature and cumulative rainfall at Five Points.

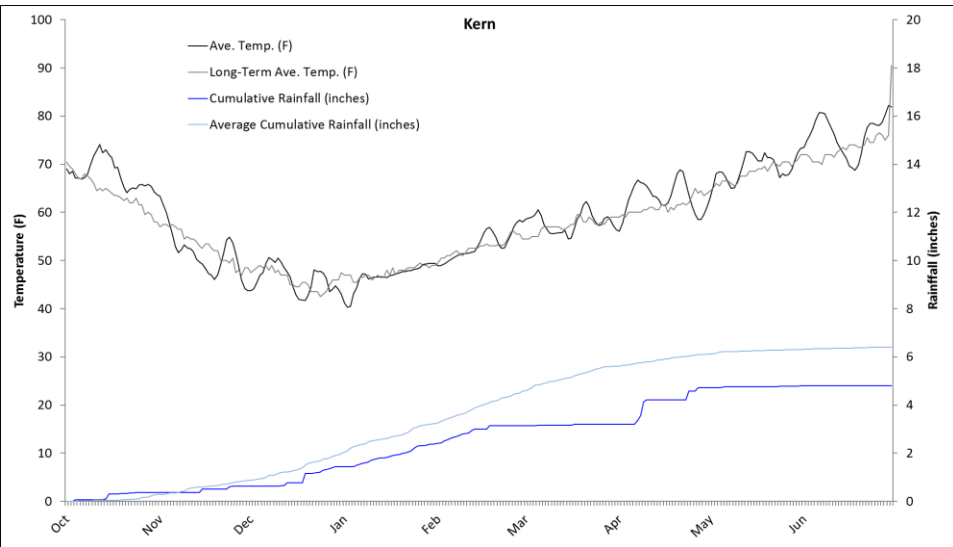


Figure 3. 2016 average temperatures (5-day moving average) and cumulative rainfall as compared to long-term daily average temperature and cumulative rainfall at Shaftner.

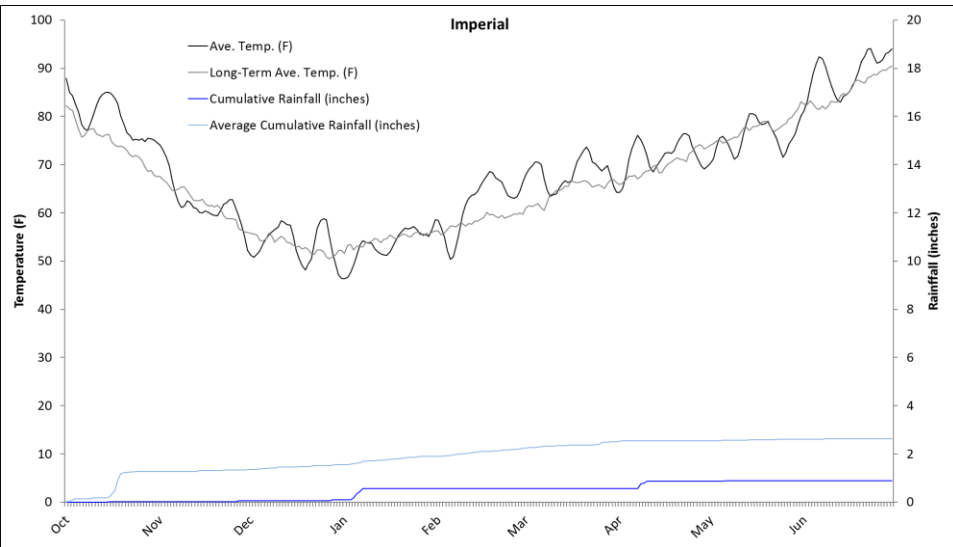


Figure 4. 2016 average temperatures (5-day moving average) and cumulative rainfall as compared to long-term daily average temperature and cumulative rainfall at Holtville.

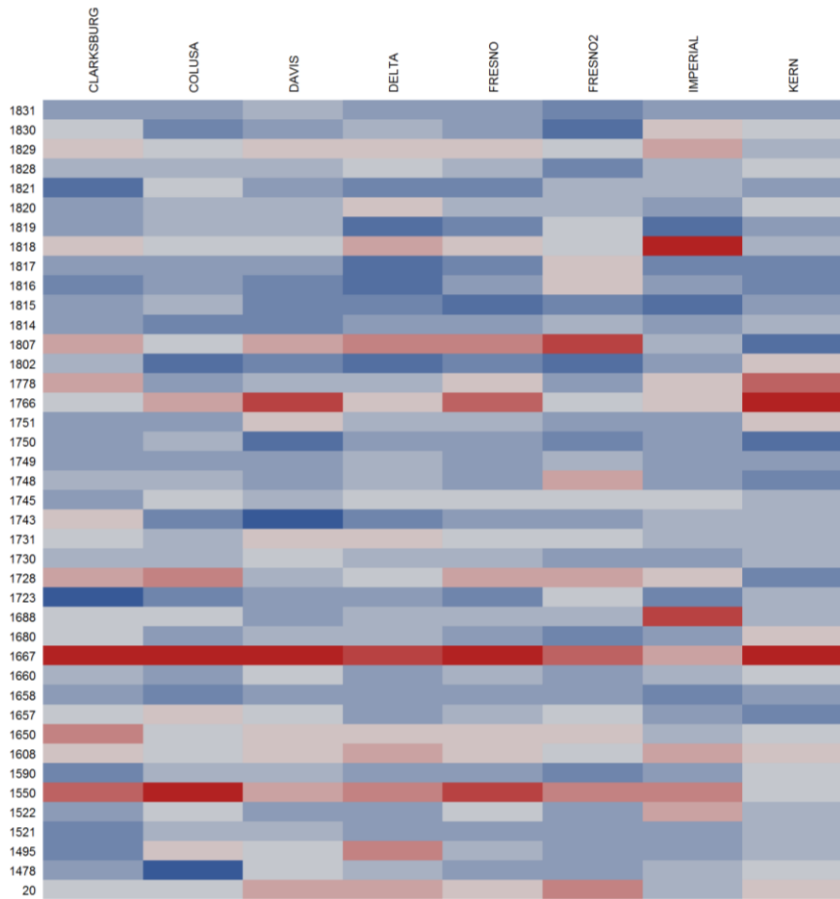


Figure 5. Depicts 2016 Common wheat genotype x environment interaction in irrigated conditions. Dark blue indicates highest relative yields; dark red indicates lowest relative yields for a given variety (UC Number given on the left axis) in a given environment (2016 sites given on the top axis).

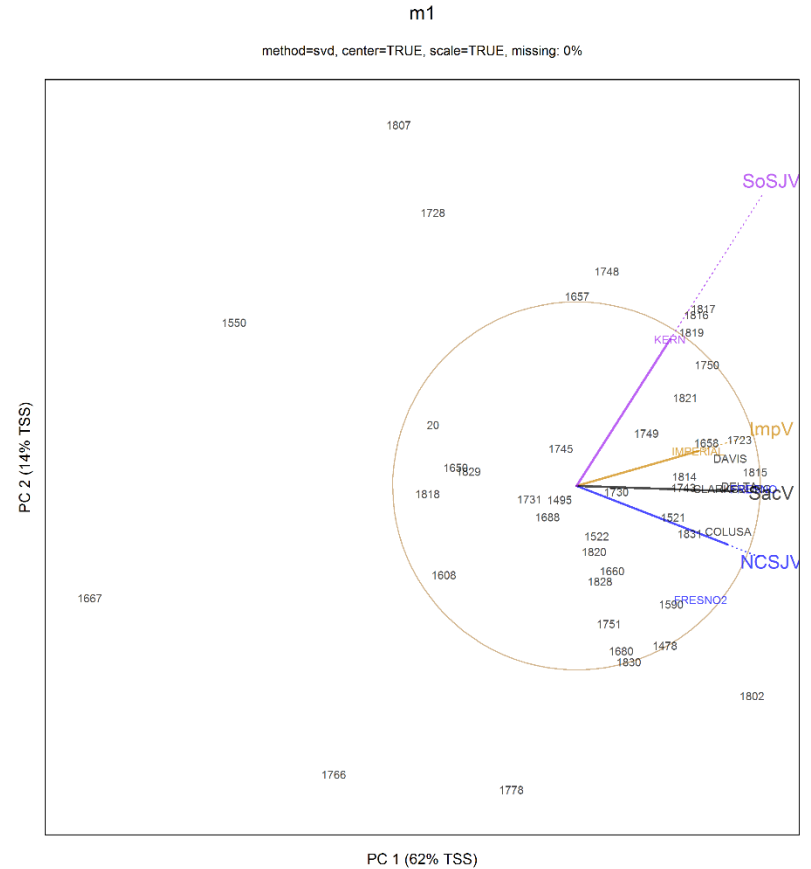


Figure 6. Bi-plot depicting 2016 Common wheat genotype x environment interaction in irrigated conditions. For a given region (Sacramento Valley (SacV); North Central San Joaquin Valley (NCSJV); South San Joaquin Valley (SoSJV); and Imperial Valley (ImpV)), the highest yielding varieties (UC numbers) are those that are nearest to the end (farthest from the origin) of the regional vector regardless of their perpendicular distance to the vector (eg. 1802 is highest yielding in NCSJV region; whereas 1807 is highest yielding in SoSJV region.).

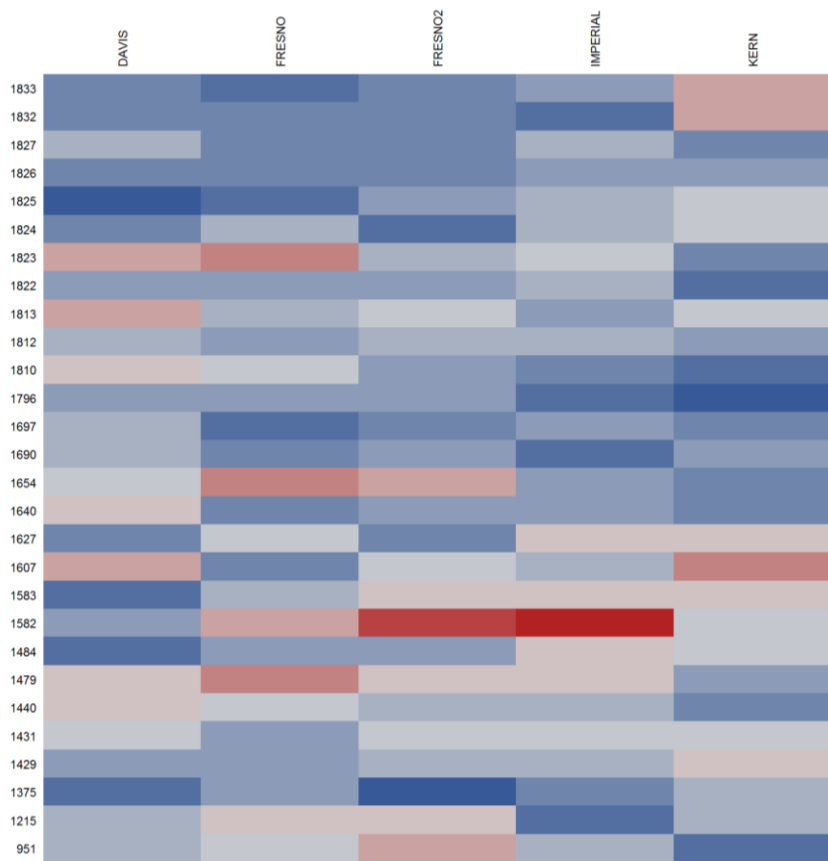


Figure 7. Depicts 2016 Durum wheat genotype x environment interaction under irrigated conditions. Dark blue indicates highest relative yields; dark red indicates lowest relative yields for a given variety (UC Number given on the left axis) in a given environment (2016 sites given on the top axis).

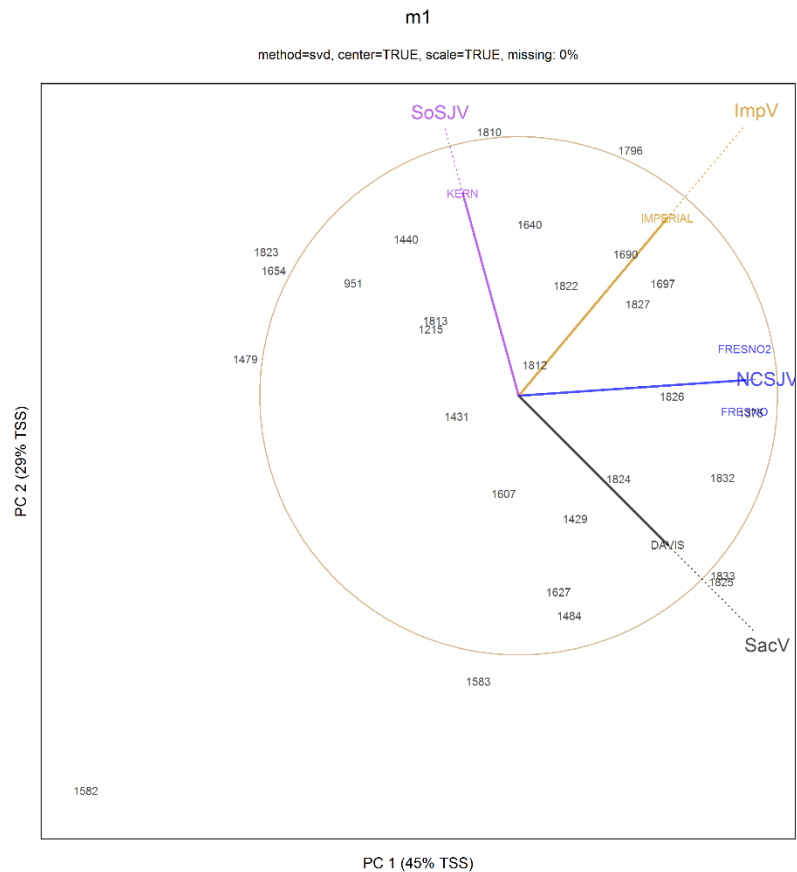


Figure 8. Bi-plot depicting 2016 durum wheat genotype x environment interaction under irrigated conditions. For a given region (Sacramento Valley (SacV); North Central San Joaquin Valley (NCSJV); South San Joaquin Valley (SoSJV); and Imperial Valley (ImpV)), the highest yielding varieties (UC numbers) are those that are nearest to the end (farthest from the origin) of the regional vector regardless of their perpendicular distance to the vector (eg. 1796 is highest yielding in ImpV region; whereas 1375 is highest yielding in NCSJV region.).

Table 5. 2016 Common Wheat and Triticale Yield and Protein Summary, Sacramento Valley

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SacV	ANZA	20	5351	229	11.26	0.31	HRS	Released
SacV	CAL ROJO	1478	6446	223	12.71	0.32	HRS	Released
SacV	UC-LASSIK	1495	5630	223	12.2	0.32	HRS	Released
SacV	REDWING	1521	6446	223	12.42	0.31	HRS	Released
SacV	BLANCA ROYALE	1522	6271	223	12.41	0.31	HWS	Released
SacV	TRIPLE IV	1550	4442	229	12.7	0.32	HRS	Released
SacV	ULTRA	1590	6417	229	12.6	0.32	HRS	Released
SacV	FV 2808	1608	5443	223	10.98	0.32	HRS	Released
SacV	WB-ROCKLAND	1650	5416	223	14.1	0.32	HRS	Released
SacV	SY-BLANCA GRANDE 515	1657	5863	229	13.33	0.32	HWS	Released
SacV	SUMMIT 515	1658	6609	223	12.59	0.31	HRS	Released
SacV	SY 314	1660	6222	223	12.43	0.31	HRS	Released
SacV	NEW DIRKWIN	1667	3646	229	12.38	0.32	SWS	Released
SacV	UC-PATWIN 515	1680	6217	223	12.87	0.32	HWS	Released
SacV	LCS-STAR	1688	6170	223	12.66	0.31	HWS	Released
SacV	LG ATOMO	1723	6968	223	12.34	0.31	HWS	Released
SacV	WB-JOQUIN ORO	1728	5362	223	14.29	0.31	HRS	Released
SacV	WB-9229	1730	6116	223	13.58	0.32	HRS	Released
SacV	WB-PATRON	1731	5695	223	13.18	0.31	HRS	Released
SacV	UC-PATWIN 515HP	1743	6869	223	13.69	0.32	HWS	Released
SacV	UC-YUROK	1745	5972	223	12.38	0.32	HRS	Released
SacV	WB SJ909-368	1748	6227	223	13.21	0.31	HRS	Advanced
SacV	WB-7618	1749	6304	223	13.3	0.31	HWS	Released
SacV	WB DA908-306	1750	6577	223	12.46	0.32	HWS	Advanced
SacV	WB 9904	1751	6098	223	12.25	0.32	HRS	Advanced
SacV	SY-VACA	1766	4946	223	11.8	0.31	SRS	Released
SacV	Tx06V7266	1778	6001	223	12.27	0.32	SRS	Advanced
SacV	WB-7566	1802	7033	223	12.01	0.32	HWS	Released
SacV	APB 501189	1807	5182	223	12.59	0.31	HRS	Advanced
SacV	UC 15010-5	1814	6691	223	13.11	0.32	HRS	Advanced
SacV	UC 15010-27	1815	6702	223	12.63	0.32	HWS	Advanced
SacV	UC 15013-15	1816	6887	223	12.08	0.31	HWS	Advanced
SacV	UC 15014-4	1817	6729	223	12.61	0.31	HRS	Advanced
SacV	UC 15014-35	1818	5555	223	14.11	0.32	HRS	Advanced
SacV	APB 500709	1819	6511	223	12.72	0.31	HRS	Advanced
SacV	APB 501129	1820	6089	223	12.43	0.31		Advanced
SacV	APB 8238	1821	6576	229	12.56	0.32		Advanced
SacV	APB 501089	1828	6071	223	12.47	0.31	HRS	Advanced
SacV	APB 8155	1829	5521	223	13.63	0.31		Advanced
SacV	LCS 12SB0197	1830	6244	223	12.29	0.32	HRS	Advanced
SacV	LCS 12SB0224	1831	6570	223	12.3	0.31	HWS	Advanced
SacV	TRICAL 105	3097	5972	223	-	-	TRIT	Released
SacV	WB-PACHECO	3164	7118	223	-	-	TRIT	Released
SacV	CAMELOT	3168	6685	223	-	-	TRIT	Released
SacV	SY 158T	3169	7053	223	-	-	TRIT	
SacV	SY 115T	3170	6501	223	-	-	TRIT	
SacV	PRL 011TS-429	3177	5566	223	-	-	TRIT	
SacV	NS 10T50020	3178	7925	223	-	-	TRIT	
SacV	NS 10T70126	3179	4372	243	-	-	TRIT	

Table 6. 2016 Common Wheat and Triticale Yield and Protein Summary, North-Central San Joaquin Valley

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
NCSJV	ANZA	20	5964	258	11.08	0.47	HRS	Released
NCSJV	CAL ROJO	1478	7605	258	12.18	0.47	HRS	Released
NCSJV	UC-LASSIK	1495	7317	258	11.86	0.47	HRS	Released
NCSJV	REDWING	1521	7547	258	12.28	0.47	HRS	Released
NCSJV	BLANCA ROYALE	1522	7172	276	12.13	0.48	HWS	Released
NCSJV	TRIPLE IV	1550	5256	258	12.4	0.47	HRS	Released
NCSJV	ULTRA	1590	7685	258	12.23	0.47	HRS	Released
NCSJV	FV 2808	1608	6545	258	10.81	0.47	HRS	Released
NCSJV	WB-ROCKLAND	1650	6373	258	14.15	0.47	HRS	Released
NCSJV	SY-BLANCA GRANDE 515	1657	6834	258	13.34	0.47	HWS	Released
NCSJV	SUMMIT 515	1658	7480	258	12.81	0.47	HRS	Released
NCSJV	SY 314	1660	7237	258	12.62	0.47	HRS	Released
NCSJV	NEW DIRKWIN	1667	4790	258	12.21	0.47	SWS	Released
NCSJV	UC-PATWIN 515	1680	7570	258	12.57	0.47	HWS	Released
NCSJV	LCS-STAR	1688	7093	258	12.41	0.47	HWS	Released
NCSJV	LG ATOMO	1723	7344	258	11.99	0.47	HWS	Released
NCSJV	WB-JOAQUIN ORO	1728	5905	276	13.97	0.48	HRS	Released
NCSJV	WB-9229	1730	7220	258	13.46	0.47	HRS	Released
NCSJV	WB-PATRON	1731	6867	258	13.46	0.47	HRS	Released
NCSJV	UC-PATWIN 515HP	1743	7327	258	12.9	0.47	HWS	Released
NCSJV	UC-YURKOK	1745	6833	258	12.65	0.47	HRS	Released
NCSJV	WB SJ909-368	1748	6750	276	12.96	0.5	HRS	Advanced
NCSJV	WB-7618	1749	7337	258	12.99	0.47	HWS	Released
NCSJV	WB DA908-306	1750	7604	258	12.41	0.47	HWS	Advanced
NCSJV	WB 9904	1751	7349	258	12.25	0.47	HRS	Advanced
NCSJV	SY-VACA	1766	5973	258	11.37	0.47	SRS	Released
NCSJV	Tx06V7266	1778	7019	258	12.29	0.48	SRS	Advanced
NCSJV	WB-7566	1802	8105	258	11.91	0.47	HWS	Released
NCSJV	APB 501189	1807	5200	258	12.3	0.47	HRS	Advanced
NCSJV	UC 15010-5	1814	7308	258	12.49	0.47	HRS	Advanced
NCSJV	UC 15010-27	1815	8085	258	12.54	0.47	HWS	Advanced
NCSJV	UC 15013-15	1816	6763	258	12.4	0.47	HWS	Advanced
NCSJV	UC 15014-4	1817	7102	258	13.29	0.47	HRS	Advanced
NCSJV	UC 15014-35	1818	6487	258	14.34	0.47	HRS	Advanced
NCSJV	APB 500709	1819	7165	258	13.01	0.47	HRS	Advanced
NCSJV	APB 501129	1820	7203	258	12.49	0.47		Advanced
NCSJV	APB 8238	1821	7445	258	12.83	0.47		Advanced
NCSJV	APB 501089	1828	7395	258	12.17	0.47	HRS	Advanced
NCSJV	APB 8155	1829	6534	258	13.44	0.47		Advanced
NCSJV	LCS 12SB0197	1830	7935	258	11.92	0.47	HRS	Advanced
NCSJV	LCS 12SB0224	1831	7612	258	12.12	0.47	HWS	Advanced
NCSJV	TRICAL 105	3097	8463	258	-	-	TRIT	Released
NCSJV	WB-PACHECO	3164	8506	258	-	-	TRIT	Released
NCSJV	CAMELOT	3168	7621	258	-	-	TRIT	Released
NCSJV	SY 158T	3169	7954	258	-	-	TRIT	
NCSJV	SY 115T	3170	8435	258	-	-	TRIT	
NCSJV	PRL 011TS-429	3177	7907	258	-	-	TRIT	
NCSJV	NS 10T50020	3178	9290	258	-	-	TRIT	
NCSJV	NS 10T70126	3179	5708	326	-	-	TRIT	

Table 7. 2016 Common Wheat and Triticale Yield and Protein Summary, South San Joaquin Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SoSJV	ANZA	20	4944	357	13.02	0.18	HRS	Released
SoSJV	CAL ROJO	1478	5461	357	13.66	0.18	HRS	Released
SoSJV	UC-LASSIK	1495	5970	357	13.7	0.18	HRS	Released
SoSJV	REDWING	1521	6101	357	14.43	0.18	HRS	Released
SoSJV	BLANCA ROYALE	1522	6137	357	14.72	0.18	HWS	Released
SoSJV	TRIPLE IV	1550	5696	357	13.34	0.18	HRS	Released
SoSJV	ULTRA	1590	5492	357	14.69	0.18	HRS	Released
SoSJV	FV 2808	1608	5185	357	12.59	0.18	HRS	Released
SoSJV	WB-ROCKLAND	1650	5528	357	14.88	0.18	HRS	Released
SoSJV	SY-BLANCA GRANDE 515	1657	7395	357	14	0.18	HWS	Released
SoSJV	SUMMIT 515	1658	6755	357	13.66	0.18	HRS	Released
SoSJV	SY 314	1660	5663	357	14.07	0.18	HRS	Released
SoSJV	NEW DIRKWIN	1667	2299	357	14.73	0.18	SWS	Released
SoSJV	UC-PATWIN 515	1680	4815	357	15.5	0.18	HWS	Released
SoSJV	LCS-STAR	1688	6062	357	14.94	0.18	HWS	Released
SoSJV	LG ATOMO	1723	6331	357	13.77	0.18	HWS	Released
SoSJV	WB-JOAQUIN ORO	1728	7305	357	14.44	0.18	HRS	Released
SoSJV	WB-9229	1730	6248	357	14.23	0.18	HRS	Released
SoSJV	WB-PATRON	1731	5863	357	13.94	0.18	HRS	Released
SoSJV	UC-PATWIN 515HP	1743	6096	357	15.28	0.18	HWS	Released
SoSJV	UC-YUROK	1745	6098	357	13.49	0.18	HRS	Released
SoSJV	WB SJ909-368	1748	7016	357	14.27	0.18	HRS	Advanced
SoSJV	WB-7618	1749	6874	357	14.23	0.18	HWS	Released
SoSJV	WB DA908-306	1750	7709	357	13.26	0.18	HWS	Advanced
SoSJV	WB 9904	1751	5115	357	13.36	0.18	HRS	Advanced
SoSJV	SY-VACA	1766	2459	357	15.67	0.18	SRS	Released
SoSJV	Tx06V7266	1778	3234	357	15.73	0.18	SRS	Advanced
SoSJV	WB-7566	1802	5129	357	14.28	0.18	HWS	Released
SoSJV	APB 501189	1807	7969	357	13.83	0.18	HRS	Advanced
SoSJV	UC 15010-5	1814	6291	357	14.86	0.18	HRS	Advanced
SoSJV	UC 15010-27	1815	6618	357	14.09	0.18	HWS	Advanced
SoSJV	UC 15013-15	1816	7016	357	13.17	0.18	HWS	Advanced
SoSJV	UC 15014-4	1817	7336	357	14.04	0.18	HRS	Advanced
SoSJV	UC 15014-35	1818	6053	357	15.51	0.18	HRS	Advanced
SoSJV	APB 500709	1819	6907	357	14.28	0.18	HRS	Advanced
SoSJV	APB 501129	1820	5262	357	14.36	0.18		Advanced
SoSJV	APB 8238	1821	6689	357	14.24	0.18		Advanced
SoSJV	APB 501089	1828	5703	357	13.76	0.18	HRS	Advanced
SoSJV	APB 8155	1829	6044	357	14.25	0.18		Advanced
SoSJV	LCS 12SB0197	1830	5733	357	14.38	0.18	HRS	Advanced
SoSJV	LCS 12SB0224	1831	6370	357	14.33	0.18	HWS	Advanced
SoSJV	TRICAL 105	3097	6515	357	-	-	TRIT	Released
SoSJV	WB-PACHECO	3164	7104	357	-	-	TRIT	Released
SoSJV	CAMELOT	3168	5941	357	-	-	TRIT	Released
SoSJV	SY 158T	3169	5063	357	-	-	TRIT	
SoSJV	SY 115T	3170	5878	357	-	-	TRIT	
SoSJV	PRL 011TS-429	3177	5179	357	-	-	TRIT	
SoSJV	NS 10T50020	3178	6871	357	-	-	TRIT	
SoSJV	NS 10T70126	3179	2122	678	-	-	TRIT	

Table 8. 2016 Common Wheat and Triticale Yield and Protein Summary, Imperial Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
ImpV	ANZA	20	6898	246	12.16	0.16	HRS	Released
ImpV	CAL ROJO	1478	6976	246	14.36	0.16	HRS	Released
ImpV	UC-LASSIK	1495	7226	246	13.35	0.16	HRS	Released
ImpV	REDWING	1521	7254	246	13.96	0.16	HRS	Released
ImpV	BLANCA ROYALE	1522	5913	246	13.52	0.16	HWS	Released
ImpV	TRIPLE IV	1550	5274	246	14.58	0.16	HRS	Released
ImpV	ULTRA	1590	7228	246	13.79	0.16	HRS	Released
ImpV	FV 2808	1608	5775	246	11.67	0.16	HRS	Released
ImpV	WB-ROCKLAND	1650	6756	246	16.25	0.16	HRS	Released
ImpV	SY-BLANCA GRANDE 515	1657	7320	246	14.8	0.16	HWS	Released
ImpV	SUMMIT 515	1658	7739	246	14.27	0.16	HRS	Released
ImpV	SY 314	1660	6798	246	14.58	0.16	HRS	Released
ImpV	NEW DIRKWIN	1667	5758	246	12.64	0.16	SWS	Released
ImpV	UC-PATWIN 515	1680	7059	246	14.14	0.16	HWS	Released
ImpV	LCS-STAR	1688	4794	460	13.86	0.27	HWS	Released
ImpV	LG ATOMO	1723	7453	246	13.35	0.16	HWS	Released
ImpV	WB-JOAQUIN ORO	1728	6160	246	16.6	0.16	HRS	Released
ImpV	WB-9229	1730	7401	246	15.72	0.16	HRS	Released
ImpV	WB-PATRON	1731	6760	246	14.58	0.16	HRS	Released
ImpV	UC-PATWIN 515HP	1743	6730	246	15.33	0.16	HWS	Released
ImpV	UC-YUOK	1745	6669	246	13.61	0.16	HRS	Released
ImpV	WB SJ909-368	1748	7070	246	15.68	0.16	HRS	Advanced
ImpV	WB-7618	1749	7067	246	15.41	0.16	HWS	Released
ImpV	WB DA908-306	1750	7379	246	13.48	0.16	HWS	Advanced
ImpV	WB 9904	1751	7168	246	12.82	0.16	HRS	Advanced
ImpV	SY-VACA	1766	6144	246	13.13	0.16	SRS	Released
ImpV	Tx06V7266	1778	6029	246	14.36	0.16	SRS	Advanced
ImpV	WB-7566	1802	7122	246	14.09	0.16	HWS	Released
ImpV	APB 501189	1807	6805	246	15.28	0.16	HRS	Advanced
ImpV	UC 15010-5	1814	7200	246	15.11	0.16	HRS	Advanced
ImpV	UC 15010-27	1815	8018	246	14.09	0.16	HWS	Advanced
ImpV	UC 15013-15	1816	7261	246	12.73	0.16	HWS	Advanced
ImpV	UC 15014-4	1817	7436	246	14.8	0.16	HRS	Advanced
ImpV	UC 15014-35	1818	4262	278	17.48	0.19	HRS	Advanced
ImpV	APB 500709	1819	7967	246	14.8	0.16	HRS	Advanced
ImpV	APB 501129	1820	7088	246	14.14	0.16		Advanced
ImpV	APB 8238	1821	7045	246	14.58	0.16		Advanced
ImpV	APB 501089	1828	6870	246	14.31	0.16	HRS	Advanced
ImpV	APB 8155	1829	5921	246	16.29	0.16		Advanced
ImpV	LCS 12SB0197	1830	6071	246	14.23	0.16	HRS	Advanced
ImpV	LCS 12SB0224	1831	7123	246	14.4	0.16	HWS	Advanced
ImpV	TRICAL 105	3097	7306	246	-	-	TRIT	Released
ImpV	WB-PACHECO	3164	7424	246	-	-	TRIT	Released
ImpV	CAMELOT	3168	6646	246	-	-	TRIT	Released
ImpV	SY 158T	3169	6732	246	-	-	TRIT	
ImpV	SY 115T	3170	6672	246	-	-	TRIT	
ImpV	PRL 011TS-429	3177	6662	246	-	-	TRIT	
ImpV	NS 10T50020	3178	7417	246	-	-	TRIT	

Table 9. 2016 Common Wheat and Triticale Yield and Protein Summary, Rainfed locations—Davis and Tulare.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
Davis_Tulare_Rainfed	ANZA	20	3241	1534	13.27	1.47	HRS	Released
Davis_Tulare_Rainfed	CAL ROJO	1478	3341	1534	14.28	1.47	HRS	Released
Davis_Tulare_Rainfed	UC-LASSIK	1495	3652	1534	13.09	1.47	HRS	Released
Davis_Tulare_Rainfed	REDWING	1521	3648	1534	14.34	1.47	HRS	Released
Davis_Tulare_Rainfed	BLANCA ROYALE	1522	3800	1534	14.56	1.47	HWS	Released
Davis_Tulare_Rainfed	TRIPLE IV	1550	3351	1534	13.37	1.47	HRS	Released
Davis_Tulare_Rainfed	ULTRA	1590	3612	1534	14.43	1.47	HRS	Released
Davis_Tulare_Rainfed	FV 2808	1608	3224	1534	12.6	1.47	HRS	Released
Davis_Tulare_Rainfed	WB-ROCKLAND	1650	3637	1534	15.08	1.47	HRS	Released
Davis_Tulare_Rainfed	SY-BLANCA GRANDE 515	1657	3869	1534	14.06	1.47	HWS	Released
Davis_Tulare_Rainfed	SUMMIT 515	1658	3716	1534	13.49	1.47	HRS	Released
Davis_Tulare_Rainfed	SY 314	1660	3561	1534	13.75	1.47	HRS	Released
Davis_Tulare_Rainfed	NEW DIRKWIN	1667	2298	1539	13.71	1.48	SWS	Released
Davis_Tulare_Rainfed	UC-PATWIN 515	1680	3354	1534	14.61	1.47	HWS	Released
Davis_Tulare_Rainfed	LCS-STAR	1688	3886	1534	15.04	1.47	HWS	Released
Davis_Tulare_Rainfed	LG ATOMO	1723	4018	1534	14.4	1.47	HWS	Released
Davis_Tulare_Rainfed	WB-JOAQUIN ORO	1728	3791	1534	14.55	1.47	HRS	Released
Davis_Tulare_Rainfed	WB-9229	1730	3863	1534	14.14	1.47	HRS	Released
Davis_Tulare_Rainfed	WB-PATRON	1731	3130	1534	14.34	1.47	HRS	Released
Davis_Tulare_Rainfed	UC-PATWIN 515HP	1743	3463	1534	15.05	1.47	HWS	Released
Davis_Tulare_Rainfed	UC-YUROK	1745	3473	1534	13.94	1.47	HRS	Released
Davis_Tulare_Rainfed	WB SJ909-368	1748	3692	1534	13.9	1.47	HRS	Advanced
Davis_Tulare_Rainfed	WB-7618	1749	3706	1534	14.7	1.47	HWS	Released
Davis_Tulare_Rainfed	WB DA908-306	1750	3517	1534	13.96	1.47	HWS	Advanced
Davis_Tulare_Rainfed	WB 9904	1751	3280	1534	13.7	1.47	HRS	Advanced
Davis_Tulare_Rainfed	SY-VACA	1766	1975	1536	13.21	1.49	SRS	Released
Davis_Tulare_Rainfed	Tx06V7266	1778	3068	1534	14.12	1.47	SRS	Advanced
Davis_Tulare_Rainfed	WB-7566	1802	3886	1534	14.03	1.47	HWS	Released
Davis_Tulare_Rainfed	APB 501189	1807	3767	1534	13.25	1.47	HRS	Advanced
Davis_Tulare_Rainfed	UC 15010-5	1814	3871	1534	13.99	1.47	HRS	Advanced
Davis_Tulare_Rainfed	UC 15010-27	1815	3999	1534	13.76	1.47	HWS	Advanced
Davis_Tulare_Rainfed	UC 15013-15	1816	3968	1534	13.72	1.47	HWS	Advanced
Davis_Tulare_Rainfed	UC 15014-4	1817	4196	1534	13.73	1.47	HRS	Advanced
Davis_Tulare_Rainfed	UC 15014-35	1818	3540	1534	14.58	1.47	HRS	Advanced
Davis_Tulare_Rainfed	APB 500709	1819	3850	1534	13.66	1.47	HRS	Advanced
Davis_Tulare_Rainfed	APB 501129	1820	3781	1534	13.88	1.47		Advanced
Davis_Tulare_Rainfed	APB 8238	1821	3757	1534	13.97	1.47		Advanced
Davis_Tulare_Rainfed	APB 501089	1828	3885	1534	13.59	1.47	HRS	Advanced
Davis_Tulare_Rainfed	APB 8155	1829	3360	1534	14.11	1.47		Advanced
Davis_Tulare_Rainfed	LCS 12SB0197	1830	3421	1534	14.95	1.48	HRS	Advanced
Davis_Tulare_Rainfed	LCS 12SB0224	1831	4007	1534	13.92	1.47	HWS	Advanced
Davis_Tulare_Rainfed	TRICAL 105	3097	2893	1534	-	-	TRIT	Released
Davis_Tulare_Rainfed	WB-PACHECO	3164	4051	1534	-	-	TRIT	Released
Davis_Tulare_Rainfed	CAMELOT	3168	4325	1534	-	-	TRIT	Released
Davis_Tulare_Rainfed	SY 158T	3169	4277	1534	-	-	TRIT	
Davis_Tulare_Rainfed	SY 115T	3170	3785	1534	-	-	TRIT	
Davis_Tulare_Rainfed	PRL 011TS-429	3177	2911	1534	-	-	TRIT	
Davis_Tulare_Rainfed	NS 10T50020	3178	4579	1534	-	-	TRIT	
Davis_Tulare_Rainfed	NS 10T70126	3179	2272	1548	-	-	TRIT	

Table 10. 2016 Durum Wheat Yield and Protein Summary, Sacramento Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SacV	APB-KRONOS	951	5983	333	13.11	0.38	Dur	Released
SacV	WB-ORITA	1215	5981	333	13.99	0.38	Dur	Released
SacV	UC-DESERT KING	1375	7030	333	11.74	0.38	Dur	Released
SacV	SY-FORTISSIMO	1429	6283	333	13.02	0.38	Dur	Released
SacV	SY-VOLANTE	1431	5463	333	13.02	0.38	Dur	Released
SacV	APB-HELIOS	1440	5225	333	13.41	0.38	Dur	Released
SacV	WB-HAVASU	1479	5212	333	13.51	0.38	Dur	Released
SacV	APB-WESTMORE HP	1484	7002	333	12.89	0.38	Dur	Released
SacV	AS-MAESTRALE	1582	6281	333	11.88	0.38	Dur	Released
SacV	AS-SARAGOLLA	1583	7200	333	11.8	0.38	Dur	Released
SacV	WB-MEAD	1607	4915	333	13.62	0.38	Dur	Released
SacV	UC-DESERT KING-HP	1627	6751	333	13.8	0.38	Dur	Released
SacV	APB-TIBURON	1640	5097	333	13.82	0.38	Dur	Released
SacV	WB-MOHAVE	1654	5443	333	13.04	0.38	Dur	Released
SacV	UC-MIWOK	1690	6082	333	12.83	0.38	Dur	Released
SacV	LCS-KIKO	1697	6073	333	12.57	0.38	Dur	Released
SacV	UC 1796	1796	6449	333	13.59	0.38	Dur	Advanced
SacV	APB 571217	1810	5228	333	14.04	0.38	Dur	Advanced
SacV	APB 571353	1812	5898	333	12.53	0.38	Dur	Advanced
SacV	APB 335	1813	4888	333	13.57	0.38	Dur	Advanced
SacV	APB 540505	1822	6464	333	12.67	0.38	DUR	Advanced
SacV	APB 410077	1823	4874	333	13.01	0.38	DUR	Advanced
SacV	UC 15210-11	1824	6785	333	12.61	0.38	DUR	Advanced
SacV	UC 15210-12	1825	7721	333	12.32	0.38	DUR	Advanced
SacV	UC 15210-24	1826	6830	333	12.02	0.38	DUR	Advanced
SacV	APB 540165	1827	5955	333	13.34	0.38	DUR	Advanced
SacV	LCS 12E4006	1832	6731	333	11.69	0.38	DUR	Advanced
SacV	LCS 13SD0056	1833	6920	373	11.91	0.44	DUR	Advanced

Table 11. 2016 Durum Wheat Yield and Protein Summary, North-Central San Joaquin Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
NCSJV	APB-KRONOS	951	7005	351	12.78	0.91	Dur	Released
NCSJV	WB-ORITA	1215	7045	351	12.87	0.91	Dur	Released
NCSJV	UC-DESERT KING	1375	8563	351	12.22	0.91	Dur	Released
NCSJV	SY-FORTISSIMO	1429	7892	351	12.86	0.91	Dur	Released
NCSJV	SY-VOLANTE	1431	7568	351	12.05	0.91	Dur	Released
NCSJV	APB-HELIOS	1440	7518	351	12.79	0.91	Dur	Released
NCSJV	WB-HAVASU	1479	6913	351	13.04	0.91	Dur	Released
NCSJV	APB-WESTMORE HP	1484	7848	351	13	0.91	Dur	Released
NCSJV	AS-MAESTRALE	1582	6664	377	12.19	0.92	Dur	Released
NCSJV	AS-SARAGOLLA	1583	7321	351	12.15	0.91	Dur	Released
NCSJV	WB-MEAD	1607	7685	351	12.55	0.91	Dur	Released
NCSJV	UC-DESERT KING-HP	1627	7940	351	13.47	0.91	Dur	Released
NCSJV	APB-TIBURON	1640	7935	351	12.93	0.91	Dur	Released
NCSJV	WB-MOHAVE	1654	6697	351	12.82	0.91	Dur	Released
NCSJV	UC-MIWOK	1690	7958	351	12.65	0.91	Dur	Released
NCSJV	LCS-KIKO	1697	8383	351	12.52	0.91	Dur	Released
NCSJV	UC 1796	1796	8023	351	12.98	0.91	Dur	Advanced
NCSJV	APB 571217	1810	7792	351	12.76	0.91	Dur	Advanced
NCSJV	APB 571353	1812	7843	351	12.34	0.91	Dur	Advanced
NCSJV	APB 335	1813	7495	351	12.88	0.91	Dur	Advanced
NCSJV	APB 540505	1822	7907	351	12.17	0.91	DUR	Advanced
NCSJV	APB 410077	1823	7123	351	12.86	0.91	DUR	Advanced
NCSJV	UC 15210-11	1824	8128	351	13.01	0.91	DUR	Advanced
NCSJV	UC 15210-12	1825	8210	351	12.79	0.91	DUR	Advanced
NCSJV	UC 15210-24	1826	8223	351	12.27	0.91	DUR	Advanced
NCSJV	APB 540165	1827	8367	351	12.28	0.91	DUR	Advanced
NCSJV	LCS 12E4006	1832	8152	351	11.67	0.91	DUR	Advanced
NCSJV	LCS 13SD0056	1833	8264	351	11.79	0.91	DUR	Advanced

Table 12. 2016 Durum Wheat Yield and Protein Summary, South San Joaquin Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SoSJV	APB-KRONOS	951	6371	395	15.43	0.3	Dur	Released
SoSJV	WB-ORITA	1215	5077	395	16.64	0.3	Dur	Released
SoSJV	UC-DESERT KING	1375	4960	395	16.55	0.3	Dur	Released
SoSJV	SY-FORTISSIMO	1429	4473	395	16.56	0.3	Dur	Released
SoSJV	SY-VOLANTE	1431	4919	395	16.25	0.3	Dur	Released
SoSJV	APB-HELIOS	1440	5957	395	15.11	0.3	Dur	Released
SoSJV	WB-HAVASU	1479	5541	395	15.57	0.3	Dur	Released
SoSJV	APB-WESTMORE HP	1484	4565	395	16.32	0.3	Dur	Released
SoSJV	AS-MAESTRALE	1582	4799	395	15.04	0.3	Dur	Released
SoSJV	AS-SARAGOLLA	1583	4437	395	15.69	0.27	Dur	Released
SoSJV	WB-MEAD	1607	3677	395	17.48	0.3	Dur	Released
SoSJV	UC-DESERT KING-HP	1627	4334	395	17.17	0.3	Dur	Released
SoSJV	APB-TIBURON	1640	5710	395	15.67	0.3	Dur	Released
SoSJV	WB-MOHAVE	1654	5685	395	15.57	0.3	Dur	Released
SoSJV	UC-MIWOK	1690	5604	395	16.23	0.3	Dur	Released
SoSJV	LCS-KIKO	1697	5803	395	15.29	0.3	Dur	Released
SoSJV	UC 1796	1796	6551	395	15.76	0.3	Dur	Advanced
SoSJV	APB 571217	1810	6137	395	15.8	0.3	Dur	Advanced
SoSJV	APB 571353	1812	5440	395	15.48	0.3	Dur	Advanced
SoSJV	APB 335	1813	4751	395	16.51	0.3	Dur	Advanced
SoSJV	APB 540505	1822	6386	395	15.09	0.3	DUR	Advanced
SoSJV	APB 410077	1823	5887	395	15.48	0.3	DUR	Advanced
SoSJV	UC 15210-11	1824	4812	395	16.27	0.3	DUR	Advanced
SoSJV	UC 15210-12	1825	4869	395	16.86	0.3	DUR	Advanced
SoSJV	UC 15210-24	1826	5392	395	15.14	0.3	DUR	Advanced
SoSJV	APB 540165	1827	5711	395	15.76	0.3	DUR	Advanced
SoSJV	LCS 12E4006	1832	3949	395	16.65	0.3	DUR	Advanced
SoSJV	LCS 13SD0056	1833	3893	395	16.4	0.3	DUR	Advanced

Table 13. 2016 Durum Wheat Yield and Protein Summary, Imperial Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
ImpV	APB-KRONOS	951	6925	286	13.2	0.12	Dur	Released
ImpV	WB-ORITA	1215	7705	286	13.04	0.12	Dur	Released
ImpV	UC-DESERT KING	1375	7376	286	13.04	0.12	Dur	Released
ImpV	SY-FORTISSIMO	1429	6760	286	12.79	0.12	Dur	Released
ImpV	SY-VOLANTE	1431	6716	286	11.92	0.12	Dur	Released
ImpV	APB-HELIOS	1440	6938	286	13.2	0.12	Dur	Released
ImpV	WB-HAVASU	1479	6390	286	13.33	0.12	Dur	Released
ImpV	APB-WESTMORE HP	1484	6334	286	13.84	0.12	Dur	Released
ImpV	AS-MAESTRALE	1582	4708	521	13.75	0.19	Dur	Released
ImpV	AS-SARAGOLLA	1583	6214	286	12.37	0.12	Dur	Released
ImpV	WB-MEAD	1607	6921	286	13.81	0.12	Dur	Released
ImpV	UC-DESERT KING-HP	1627	6411	286	14.19	0.12	Dur	Released
ImpV	APB-TIBURON	1640	7239	286	12.91	0.12	Dur	Released
ImpV	WB-MOHAVE	1654	7239	286	13.58	0.12	Dur	Released
ImpV	UC-MIWOK	1690	7773	286	12.75	0.12	Dur	Released
ImpV	LCS-KIKO	1697	7205	286	12.05	0.12	Dur	Released
ImpV	UC 1796	1796	7890	286	13.07	0.12	Dur	Advanced
ImpV	APB 571217	1810	7553	286	12.79	0.12	Dur	Advanced
ImpV	APB 571353	1812	6885	286	12.5	0.12	Dur	Advanced
ImpV	APB 335	1813	7221	286	13.23	0.12	Dur	Advanced
ImpV	APB 540505	1822	7019	286	13.04	0.12	DUR	Advanced
ImpV	APB 410077	1823	6615	286	13.2	0.12	DUR	Advanced
ImpV	UC 15210-11	1824	6880	286	13.17	0.12	DUR	Advanced
ImpV	UC 15210-12	1825	6828	286	13.39	0.12	DUR	Advanced
ImpV	UC 15210-24	1826	7173	286	12.75	0.12	DUR	Advanced
ImpV	APB 540165	1827	7012	286	12.79	0.12	DUR	Advanced
ImpV	LCS 12E4006	1832	7799	286	11.7	0.12	DUR	Advanced
ImpV	LCS 13SD0056	1833	7175	286	11.57	0.12	DUR	Advanced

Table 15. 2016 Durum Wheat Disease Summary.

Name	UC Number	Stripe rust, early (50th percentile)	Stripe rust, early (90th percentile)	Stripe rust, late (50th percentile)	Stripe rust, late (90th percentile)	Leaf rust, (50th percentile)	Leaf rust, (90th percentile)	BYDV (50th percentile)	BYDV (90th percentile)	Type	Status
APB-KRONOS	951	2	4	-	-	1	1	1.5	2	Dur	Released
WB-ORITA	1215	2.5	3.5	-	-	1	1	1	1	Dur	Released
UC-DESERT KING	1375	1	1	-	-	1	1	1	1	Dur	Released
SY-FORTISSIMO	1429	1	1	-	-	1	1	1	1	Dur	Released
SY-VOLANTE	1431	1	1	-	-	1	1	1	1	Dur	Released
APB-HELIOS	1440	1.5	2.5	-	-	1	1	1	1.7	Dur	Released
WB-HAVASU	1479	2	3.5	-	-	1	1	1	1	Dur	Released
APB-WESTMORE HP	1484	1	1	-	-	1	1	2	2.7	Dur	Released
AS-MAESTRALE	1582	1	2	-	-	1	1	1	1	Dur	Released
AS-SARAGOLLA	1583	2	2	-	-	1	1	1	1	Dur	Released
WB-MEAD	1607	2	2	-	-	1	1	1	1.7	Dur	Released
UC-DESERT KING-HP	1627	1	1	-	-	1	1	1	1	Dur	Released
APB-TIBURON	1640	1	1	-	-	1	1	1	1	Dur	Released
WB-MOHAVE	1654	4	4	-	-	1	1.7	1	1	Dur	Released
UC-MIWOK	1690	2	3	-	-	1	1	1	1	Dur	Released
LCS-KIKO	1697	1	2	-	-	1	1	1	1	Dur	Released
UC 1796	1796	1	2	-	-	1	1	1	1	Dur	Advanced
APB 571217	1810	2	2	-	-	1	1	1	1	Dur	Advanced
APB 571353	1812	2	2.5	-	-	1	1	1	1	Dur	Advanced
APB 335	1813	1	1	-	-	1	1	1.5	2	Dur	Advanced
APB 540505	1822	1.5	3	-	-	1	1	1	1.7	DUR	Advanced
APB 410077	1823	1	1	-	-	1	1	1	1.7	DUR	Advanced
UC 15210-11	1824	1	1	-	-	1	1	1	1	DUR	Advanced
UC 15210-12	1825	1	1	-	-	1	1	1	1	DUR	Advanced
UC 15210-24	1826	2	3	-	-	1	1	1	1	DUR	Advanced
APB 540165	1827	1	1	-	-	1	1	1	1	DUR	Advanced
LCS 12E4006	1832	1	1.5	-	-	1	1	1	1	DUR	Advanced
LCS 13SD0056	1833	2	2	-	-	1	1	1	1	DUR	Advanced

Table 16. 2016 Common Wheat and Triticale Agronomic Traits Summary.

Name	UC Number	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging, soft dough (50th percentile)	Lodging, soft dough (90th percentile)	Lodging, harvest (50th percentile)	Lodging, harvest (90th percentile)	Shatter	Days to heading (from 3/1, Davis)	Days to maturity (from 3/1, Davis)	Type	Status
ANZA	20	62.2	31.2	35	1	2	1	5	1	32	72	HRS	Released
CAL ROJO	1478	61.4	42.4	31	1	1	1	2.5	1	24	70	HRS	Released
UC-LASSIK	1495	61.9	37.6	35	1	2.7	1	5.5	1	30	72	HRS	Released
REDWING	1521	61.2	40.7	33.5	1	1	1	2	1	26	71	HRS	Released
BLANCA ROYALE	1522	62	38.2	34	1	1	1	3	1	25	69	HWS	Released
TRIPLE IV	1550	61.2	42.9	37.5	2	7	4	7.6	1	20	68	HRS	Released
ULTRA	1590	63	40.6	34	1	1	1	2	1	25	71	HRS	Released
FV 2808	1608	61.9	33.2	41	1	2	2	5.5	1	32	74	HRS	Released
WB-ROCKLAND	1650	62.4	40.4	32	1	1	1	1.5	1	26	70	HRS	Released
SY-BLANCA GRANDE 515	1657	63.5	41.1	35.5	1	2	1	6	1	25	70	HWS	Released
SUMMIT 515	1658	62.5	38.5	34	1	1	1	1	1	25	70	HRS	Released
SY 314	1660	59.9	40.2	35	1	1	1	3	1	32	70	HRS	Released
NEW DIRKWIN	1667	56.2	34.2	40.5	1	6	3	6	1	50	97	SWS	Released
UC-PATWIN 515	1680	60.7	35.8	32	1	1	1	1.5	1	29	72	HWS	Released
LCS-STAR	1688	62.2	35.5	36	2	5.7	2.5	7	1	26	71	HWS	Released
LG ATOMO	1723	63.1	41	35	1	2.4	1	4	1	23	68	HWS	Released
WB-JOAQUIN ORO	1728	62.7	43.4	33.5	1	1	1	3.6	1	20	67	HRS	Released
WB-9229	1730	63.2	38.8	34.5	1	1.7	1	3	1	26	70	HRS	Released
WB-PATRON	1731	61.2	43.7	39	1	2.7	1	4	1	25	69	HRS	Released
UC-PATWIN 515HP	1743	61.3	35.9	33	1	1	1	2	1	25	66	HWS	Released
UC-YUROK	1745	63.2	37.4	36	1	2	1	5	1	28	71	HRS	Released
WB SJ909-368	1748	62.6	38.8	35	1	1	1	3	1	22	67	HRS	Advanced
WB-7618	1749	62.6	38.2	34.5	1	1	1	2	1	26	68	HWS	Released
WB DA908-306	1750	63.7	46	37	1	1.7	1	3	1	23	70	HWS	Advanced
WB 9904	1751	62	48.4	39	1	1.7	2	3	1	28	72	HRS	Advanced
SY-VACA	1766	57.2	31.5	40	1	2	2	5	1	51	101	SRS	Released
Tx06V7266	1778	59.8	30.6	40	1	3	1	6	1	44	82	SRS	Advanced
WB-7566	1802	62.7	43	36	1	2.7	1	5	1	30	74	HWS	Released
APB 501189	1807	61	35.5	33	1	1.7	1	4	1	22	68	HRS	Advanced
UC 15010-5	1814	61.5	40.4	34	1	1	1	2	1	30	68	HRS	Advanced
UC 15010-27	1815	61.8	41.7	35	1	1	1	1	1	27	72	HWS	Advanced
UC 15013-15	1816	64.9	41.2	33	1	1	1	2	1	25	71	HWS	Advanced
UC 15014-4	1817	63.2	42.2	34.5	1	1	1	1	1	26	70	HRS	Advanced
UC 15014-35	1818	63.4	35.7	37.5	1	2	2	5.5	2.5	26	67	HRS	Advanced
APB 500709	1819	62.2	35.9	34	1	1	1	4.5	1	25	71	HRS	Advanced
APB 501129	1820	60.6	40.2	31	1	1	1	2	1	26	72		Advanced
APB 8238	1821	61.4	40.7	35	1	1	1	4	1	26	68		Advanced
APB 501089	1828	61.1	39.1	30	1	1	1	1.5	1	25	68	HRS	Advanced
APB 8155	1829	62.9	41.2	37	1	1	1	3.5	1	24	70		Advanced
LCS 12SB0197	1830	61.2	40.8	38	1	1.7	1	4.5	1	28	75	HRS	Advanced
LCS 12SB0224	1831	61	38.4	35	1	2	1	3.5	1	28	72	HWS	Advanced
TRICAL 105	3097	58.6	45.5	43	1	1	1	3.5	1	25	77	TRIT	Released
WB-PACHECO	3164	60.2	46	40	1	1	1	4	1	25	77	TRIT	Released
CAMELOT	3168	58.1	42.8	41	1	1	1	2.5	1	24	74	TRIT	Released
SY 158T	3169	59.7	39.1	38.5	1	1	1	1	1	25	73	TRIT	
SY 115T	3170	59.4	39.6	37.5	1	1	1	1	1	27	74	TRIT	
PRL 011TS-429	3177	57.8	38.5	47	2	5	5	7	1	24	74	TRIT	
NS 10T50020	3178	58.2	41.8	37	1	1	1	1.5	1	24	74	TRIT	
NS 10T70126	3179	52.7	32.7	48	1	4.3	4	7	1	51	100	TRIT	

Table 17. 2016 Durum Wheat Agronomic Traits Summary.

Name	UC Number	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging, soft dough (50th percentile)	Lodging, soft dough (90th percentile)	Lodging, harvest (50th percentile)	Lodging, harvest (90th percentile)	Shatter	Days to heading (from 3/1, Davis)	Days to maturity (from 3/1, Davis)	Type	Status
APB-KRONOS	951	62.6	62.7	35	2.5	6	2.5	7	-	23	76	Dur	Released
WB-ORITA	1215	60.3	53.9	36	1	1	1	2.5	-	39	78	Dur	Released
UC-DESERT KING	1375	64.1	56	37	1	1	1	1.5	-	40	88	Dur	Released
SY-FORTISSIMO	1429	62.6	48.1	34	1	1	1	1.5	-	32	76	Dur	Released
SY-VOLANTE	1431	63.8	63.6	33.5	1	1	1	1.5	-	40	76	Dur	Released
APB-HELIOS	1440	63.1	56.1	34	1	2	1.5	3.5	-	22	74	Dur	Released
WB-HAVASU	1479	62.4	56.4	37	1	2.9	1	4.5	-	28	75	Dur	Released
APB-WESTMORE HP	1484	63.5	45.8	33.5	1	7	4	8	-	25	74	Dur	Released
AS-MAESTRALE	1582	64.3	52.4	39	1	2.9	2	4.8	-	32	74	Dur	Released
AS-SARAGOLLA	1583	63.6	56.2	35.5	1	5	1	4.5	-	34	74	Dur	Released
WB-MEAD	1607	61.3	47.1	36.5	1	1.9	1	2.5	-	44	90	Dur	Released
UC-DESERT KING-HP	1627	62.2	48.6	34	1	1.9	1	3.5	-	40	78	Dur	Released
APB-TIBURON	1640	62.1	61.9	32.5	1	1.9	1	3.5	-	24	77	Dur	Released
WB-MOHAVE	1654	62.3	51.1	36.5	1	1	1	1	-	27	74	Dur	Released
UC-MIWOK	1690	64.3	61.1	34.5	1	2	1	3	-	33	80	Dur	Released
LCS-KIKO	1697	62.8	59.9	37	1	4.9	2	7	-	31	76	Dur	Released
UC 1796	1796	64	62.7	34.5	1	1	1	1.5	-	30	78	Dur	Advanced
APB 571217	1810	65	60.5	34.5	1	1	1	1	-	31	79	Dur	Advanced
APB 571353	1812	63.7	52.3	34	1	2.9	1	3.5	-	30	76	Dur	Advanced
APB 335	1813	60.6	57.9	30	1	1	1	1	-	26	76	Dur	Advanced
APB 540505	1822	64.9	54.3	34	1	2	1	3.5	-	28	76	DUR	Advanced
APB 410077	1823	63.1	60.4	35.5	1	2	2	4	-	24	78	DUR	Advanced
UC 15210-11	1824	61.5	50.7	38	1	4	1	7	-	40	78	DUR	Advanced
UC 15210-12	1825	64.5	55.2	34.5	1	6.9	2.5	7	-	30	75	DUR	Advanced
UC 15210-24	1826	64.3	59.1	39	1	3	1	4	-	33	76	DUR	Advanced
APB 540165	1827	60.7	59.6	34	1	1	1	2	-	22	78	DUR	Advanced
LCS 12E4006	1832	64.8	53.1	34.5	1	6.8	1	6.5	-	40	78	DUR	Advanced
LCS 13SD0056	1833	64.3	48.4	33	1	7	3	7	-	34	76	DUR	Advanced

Table 18. 2016 Common Wheat Quality, Davis.

Entry	Name	Wheat											Flour						Farinograph				Bread												
		Prot %		Mois %		Ash (%)		Weight (mg)	Diameter (mm)	Hard	Test Wt	1000 Kwt	Kernel Size Dist. (200g)			Yield	Pro		Mois %		Fall No.	Gluten Index	Wet Glut.		Absp	Dev Time (Min)	Stability (Min)	M.T.I	Absp	Vol C.C	Crumb C/C/G	Text Grain	Score		
		AS	IS	12%	MB	AS	IS						12%	MB	14%		L	M	S	AS			IS	14%										AS	IS
20	UC-ANZA	11.23	10.84	8.8	1.53	1.47	1.44	33.6	2.74	67.5	61.63	33.6	76.76	22.64	0.33	71.1	9.40	9.34	13.39	0.38	0.38	465	55.04	31.10	30.88	63.3	2.5	3.5	46	63.3	865	6.18	6	5	5
1478	SY-CAL ROJO	14.09	13.62	8.9	1.61	1.55	1.52	42.24	2.86	46.49	61.32	42.24	89	10.73	0.29	71.9	12.26	12.14	13.20	0.37	0.36	431	80.88	34.80	34.48	63.3	10.2	15.1	29	63.3	940	6.91	8	8	9
1495	UC-LASSIK	12.70	12.22	8.5	1.49	1.43	1.40	35.1	2.78	63.59	61.93	35.1	76.9	22.39	0.26	71.0	10.94	10.86	13.43	0.35	0.35	340	74.02	32.50	32.29	64.3	6.9	13.8	18	64.3	960	6.96	8	7	8
1521	SY-REDWING	13.48	12.97	8.5	1.49	1.44	1.40	42.99	3.08	60.25	61.32	42.99	93.26	7.29	0.1	70.0	11.56	11.45	13.23	0.38	0.38	449	81.86	32.25	31.96	65.6	6.2	12.5	22	66.1	910	6.55	8	8	8
1522	SY-BLANCA ROYALE	13.83	13.35	8.8	1.52	1.47	1.43	41.55	2.96	57.98	62.91	41.55	89.8	9.9	0.1	69.5	12.36	12.25	13.30	0.36	0.36	465	86.53	34.20	33.92	62	10.8	17.1	15	62	930	6.64	8	7	8
1550	WB-TRIPLE IV	13.37	12.94	9.1	1.68	1.62	1.59	41.36	2.95	66.67	61.54	41.36	94.1	5.8	0.1	67.9	11.25	11.13	13.04	0.35	0.35	469	68.83	32.40	32.04	66.5	6.9	12.1	19	66.5	865	6.18	5	4	7
1590	SY-ULTRA	14.18	13.69	8.8	1.48	1.42	1.39	44.56	3.05	51.94	62.66	44.56	94.4	5.5	0.1	69.5	12.16	12.07	13.36	0.34	0.33	461	69.66	43.95	43.62	63.3	4	6.6	29	63.3	905	6.46	7	7	8
1608	WWW-FV 2808	11.13	10.73	8.7	1.61	1.55	1.52	36.21	2.75	78.27	62.00	36.21	85.7	13.7	0.3	65.5	9.83	9.75	13.28	0.33	0.32	345	70.83	28.60	28.36	63.5	5.4	6.2	51	63.5	770	5.46	6	4	5
1650	WB-ROCKLAND	15.11	14.58	8.8	1.59	1.53	1.50	44.28	3.09	54.19	62.29	44.28	93	6.9	0.1	68.6	12.83	12.72	13.23	0.35	0.35	517	79.27	46.90	46.49	69.2	18.5	16.6	32	69.2	935	6.58	8	8	8
1657	SY-BLANCA GRANDE 515	14.06	13.53	8.5	1.58	1.52	1.49	43.91	3.05	48.59	62.35	43.91	92.43	7.3	0.08	68.8	12.64	12.57	13.51	0.30	0.30	332	82.50	41.70	41.47	67.5	12.7	14.8	15	67.5	1030	7.58	9	9	9
1658	SY-SUMMIT 515	12.97	12.48	8.5	1.42	1.36	1.33	42.91	3.07	59.72	62.61	42.91	93.43	6.49	0.01	68.4	11.38	11.29	13.32	0.31	0.30	365	80.77	36.90	36.61	64.7	7.9	14.1	21	64.7	880	6.29	8	8	7
1660	SY-314	13.14	12.69	8.9	1.62	1.57	1.53	37.74	2.8	60.15	59.41	37.74	82.96	16.42	0.33	68.7	11.82	11.69	13.10	0.34	0.34	376	94.13	35.65	35.28	62.4	9.3	20	6	62.4	900	6.43	7	7	8
1667	BAG-NEW DIRKWIN	13.39	12.97	9.2	1.68	1.63	1.59	29.97	2.58	34.18	55.47	29.97	66.73	32.33	0.59	60.1	11.40	11.22	12.66	0.40	0.39	436	57.86	36.55	35.99	58.2	4.3	5.3	37	58.2	880	6.54	6	6	7
1680	UC-PATWIN 515	14.38	13.84	8.6	1.53	1.47	1.44	39.39	2.95	62.64	61.77	39.39	90.35	9.62	0.13	69.6	12.00	11.89	13.20	0.40	0.39	529	79.10	38.55	38.19	65.7	6.7	9.9	28	65.7	915	6.51	7	7	8
1688	LCS-STAR	13.28	12.78	8.6	1.51	1.46	1.42	33.06	2.75	66.31	62.18	33.06	84.64	14.62	0.37	71.3	11.47	11.39	13.36	0.40	0.40	341	94.52	35.55	35.29	63.2	8.4	20.4	16	63.2	840	5.87	7	7	6
1723	LCS-ATOMO	13.39	12.91	8.7	1.62	1.56	1.52	40.08	3.02	72.94	62.39	40.08	90.46	9.41	0.1	67.7	11.79	11.69	13.31	0.37	0.37	522	88.90	40.55	40.23	68.1	8.2	16	10	68.1	835	5.78	7	7	6
1728	WB-JOQUIN ORO	15.14	14.59	8.7	1.56	1.50	1.47	43.58	3.02	52.01	62.12	43.58	93.93	6.07	0.03	71.4	14.21	14.03	12.86	0.34	0.33	398	92.09	41.70	41.16	69.1	23.9	21.5	36	69.1	975	6.91	8	8	9
1730	WB-9229	14.66	14.10	8.5	1.53	1.47	1.44	40.91	2.99	61.12	62.81	40.91	89.31	10.44	0.14	69.2	13.05	12.87	12.80	0.34	0.34	536	93.25	40.65	40.09	68.4	10	18	35	68.4	1015	7.46	9	9	9
1731	WB-PATRON	14.66	14.16	8.9	1.52	1.47	1.43	42.95	2.98	54.31	62.31	42.95	92.69	7.59	0.11	68.7	12.51	12.32	12.66	0.32	0.31	353	51.89	45.25	44.56	65.4	5.3	9	16	65.4	850	6.30	6	6	5
1743	UC 1743	16.00	15.39	8.5	1.67	1.61	1.57	37.76	2.86	65.01	61.31	37.76	90.32	9.54	0.07	69.4	14.00	13.78	12.65	0.35	0.34	526	69.59	42.50	41.84	68.2	16	16.7	26	68.2	935	6.88	8	8	7
1745	UC-YUROK	13.18	12.67	8.5	1.50	1.44	1.41	34.61	2.81	64.77	63.98	34.61	84.6	15.1	0.22	69.9	11.03	10.82	12.35	0.31	0.31	470	66.26	33.05	32.43	63.7	6.5	10.2	20	63.7	865	6.27	7	7	7
1748	WB-9112	14.33	13.76	8.4	1.48	1.42	1.39	39.52	2.88	61.53	62.33	39.52	88.68	10.97	0.26	69.7	13.31	13.08	12.53	0.30	0.29	524	84.87	38.65	38.00	68.5	17.7	16.6	14	68.5	980	7.21	8	7	9
1749	WB-7618	14.60	14.04	8.5	1.56	1.50	1.47	40.28	2.99	62.02	62.63	40.28	90.57	9.1	0.09	68.5	13.60	13.38	12.60	0.33	0.32	467	86.88	41.15	40.49	69.2	18.7	14.2	50	69.2	910	6.32	7	8	8
1750	WB-7390	12.90	12.40	8.4	1.51	1.45	1.42	45.76	3.03	62.34	63.55	45.76	96.57	3.31	0.01	66.2	10.84	10.67	12.63	0.27	0.27	409	75.04	37.85	37.26	67.3	12.4	19.6	2	67.3	835	5.80	7	7	6
1751	WB-9904	13.55	13.12	9.1	1.55	1.50	1.47	43.7	2.99	60.67	61.63	43.7	93.03	6.81	0.05	72.9	12.52	12.33	12.71	0.38	0.38	490	76.28	33.30	32.81	61.5	6.7	13.3	22	61.5	885	6.28	6	6	6
1766	SY-VACA	12.58	12.25	9.6	1.68	1.63	1.60	29.75	2.46	25.22	56.46	29.75	65.28	33.4	0.96	61.9	10.80	10.59	12.31	0.38	0.37	350	68.84	30.85	30.26	52.7	4.2	5.9	56	52.7	785	5.99	6	6	5
1778	ASSL-TAM 204	12.37	11.96	9.0	1.53	1.48	1.45	30.81	2.67	70.03	60.44	30.81	71.26	27.91	0.57	66.5	10.10	9.96	12.76	0.42	0.41	531	74.34	31.55	31.10	57.5	4.2	5.7	42	57.5	780	6.00	6	6	5
1802	WB-7556	13.12	12.60	8.4	1.47	1.41	1.38	42.13	3	67.51	63.05	42.13	96.25	3.8	0.01	68.7	10.60	10.45	12.79	0.30	0.30	483	89.75	33.60	33.13	64.8	5.7	12.3	19	64.8	890	6.36	8	8	7
1807	APB 501189	13.59	13.09	8.7	1.50	1.45	1.41	38.34	2.81	56.59	60.26	38.34	87.8	11.95	0.23	71.2	11.95	11.81	12.98	0.31	0.30	488	93.73	40.75	40.27	63.8	13.9	20.9	7	63.8	875	6.34	8	8	7
1814	UC 15010-5	14.13	13.58	8.4	1.48	1.43	1.39	40.72	2.96	57.35	60.83	40.72	90.26	9.42	0.17	68.1	12.49	12.32	12.82	0.31	0.31	583	79.70	38.55	38.03	61.1	6.8	15	15	61.1	950	7.09	7	7	9
1815	UC 15010-27	12.97	12.46	8.4	1.43	1.38	1.35	41.25	2.99	66.81	62.03	41.25	90.73	9.24	0.09	69.0	10.76	10.58	12.57	0.31	0.30	497	95.54	30.25	29.75	64.8	7	14	23	64.8	850	6.12	7	8	7
1816	UC 15013-15	12.94	12.49	8.9	1.38	1.33	1.30	41.16	3.03	66.94	64.83	41.16	92.44	7.3	0.17	67.2	11.91	11.78	13.03	0.28	0.28	476	82.70	35.15	34.76	68.6	16	14	26	68.6	925	6.61	8	8	8
1817	UC 15014-4	14.03	13.53	8.8	1.49	1.44	1.41	39.38	2.97	70	63.04	39.38	92.84	7.05	0.02	67.8	12.70	12.59	13.24	0.33	0.33	550	84.36	38.95	38.61	65.6	17.2	17.6	23	65.6	985	7.29	8	8	9
1818	UC 15014-35	15.00	14.35	8.0	1.50	1.44	1.41	36.41	2.88	58.43	63.43	36.41	86.8	13.05	0.07	67.5	12.63	12.50	13.08	0.36	0.36	578	92.93	36.90	36.51	65.6	6.3	20	5	65.6	934	6.94	8	7	8
1819	APB 500709	14.08	13.57	8.7	1.49	1.43	1.40	40.39	2.93	60.71	61.83	40.39	88.83	11.05	0.13	70.0	13.14	12.99	13.03	0.34	0.33	474	99.56	34.15	33.77	65.4	11	23	13	65.4	825	5.85	7	7	6
1820	APB 501129	13.41	12.91	8.6	1.54	1.48	1.45	39.58	2.98	66.55	59.99	39.58	91.18	8.36	0.17	70.0	11.24	11.13	13.13	0.34	0.34	453	74.40	33.20	32.87	66.4	10	19.1	3	66.4	900	6.38	8	8	

Table 19. 2016 Common Wheat Quality, Fresno.

Entry	Name	Wheat														Flour						Farinograph				Bread									
		Prot %		Mois %		Ash (%)		Weight (mg)	Diameter (mm)	Hard	Test Wt	1000 Kwt	Kernel Size Dist. (200g)			Yield	Pro		Mois %		Fall No.	Gluten Index	Wet Glut.		Absp	Dev	Time	Stability	M.T.I	Absp	Vol	Crumb	Text	Score	
		AS	IS	12%	MB	AS	IS						12%	MB	14%		L	M	S	AS			IS	14%											AS
20	UC-ANZA	11.56	10.94	7.0	1.61	1.52	1.49	35.25	2.82	71.55	63.27	35.25	87.5	12.32	0.11	68.8	9.55	9.52	13.75	0.30	0.30	305	60.68	32.30	32.21	63.9	2.5	3.1	70	63.9	740	5.32	5	5	5
1478	SY-CAL ROJO	12.71	12.14	7.9	1.55	1.48	1.45	46.15	3.06	58.77	63.87	46.15	93.55	6.28	0.1	71.0	10.90	10.80	13.23	0.36	0.36	429	94.01	34.15	33.85	62.7	6.2	11.8	22	62.7	800	5.71	5	5	6
1495	UC-LASSIK	12.23	11.59	7.2	1.73	1.64	1.60	37.55	2.93	69.75	64.18	37.55	88.49	11.33	0.15	69.5	11.22	11.21	13.92	0.30	0.30	355	79.58	35.00	34.97	64.7	4.4	8.2	27	64.7	770	5.50	5	5	5
1521	SY-REDWING	12.19	11.57	7.3	1.65	1.56	1.53	44.68	3.19	69.73	62.86	44.68	94.69	5.24	0.11	69.2	10.43	10.36	13.43	0.36	0.36	393	90.92	29.15	28.96	66.3	4.5	7.4	35	66.3	815	5.74	6	6	6
1522	SY-BLANCA ROYALE	12.45	11.82	7.3	1.66	1.57	1.54	41.26	3	68.6	64.15	41.26	90.49	9.28	0.06	68.1	10.46	10.41	13.59	0.35	0.35	377	82.08	30.15	30.01	61	5.7	9.5	35	61	770	5.54	5	5	5
1550	WB-TRIPLE IV	13.08	12.48	7.7	1.75	1.67	1.63	39.53	2.96	74.89	62.77	39.53	92.54	7.27	0.13	66.4	10.91	10.82	13.32	0.34	0.33	359	70.83	30.00	29.77	66.5	4.3	8.1	25	66.5	790	5.64	5	5	5
1590	SY-ULTRA	12.44	11.95	8.4	1.71	1.65	1.61	41.34	2.96	61.97	64.99	41.34	93.3	6.68	0.11	70.9	10.81	10.66	12.72	0.31	0.30	411	65.17	35.40	34.88	62.7	3.5	6.1	30	62.7	775	5.46	5	5	5
1608	WWW-FV 2808	11.19	10.63	7.4	1.74	1.65	1.61	34.17	2.75	81.42	62.04	34.17	86.06	13.55	0.23	62.9	9.06	9.01	13.49	0.35	0.35	332	69.61	31.45	31.26	63.6	4.5	5.4	61	63.6	760	5.47	5	5	5
1650	WB-ROCKLAND	14.29	13.59	7.5	1.65	1.57	1.53	44.37	3.11	66.12	65.01	44.37	96.02	3.96	0.05	68.3	12.72	12.63	13.40	0.32	0.32	459	80.93	43.85	43.54	68	14.9	15.1	29	68	1000	7.35	9	9	9
1657	SY-BLANCA GRANDE 515	12.83	12.15	7.1	1.49	1.41	1.38	44.86	3.13	62.06	65.73	44.86	97.19	2.87	0.02	68.2	11.03	10.99	13.66	0.31	0.31	316	84.32	35.15	35.01	66.2	9.4	14.4	7	66.2	870	6.21	7	6	7
1658	SY-SUMMIT 515	12.74	12.09	7.3	1.65	1.57	1.53	41.93	3.07	68.07	64.33	41.93	95.74	4.4	0.09	67.9	11.04	10.97	13.41	0.34	0.34	316	80.57	34.85	34.61	65.2	4.4	7.2	33	65.2	925	6.61	8	8	8
1660	SY-314	12.93	12.33	7.7	1.66	1.58	1.55	42.88	2.99	67.57	63.26	42.88	93.4	6.36	0.14	68.7	11.02	10.94	13.30	0.35	0.34	346	93.10	33.10	32.83	62.6	6.2	10.6	24	62.6	850	6.25	7	7	7
1667	BAG-NEW DIRKWIN	12.53	12.03	8.3	1.89	1.81	1.77	33.02	2.71	37.72	55.90	33.02	77.95	21.43	0.46	61.0	10.36	10.21	12.73	0.37	0.37	348	56.96	33.35	32.86	56.7	2.9	3.8	54	56.7	795	6.00	6	5	5
1680	UC-PATWIN 515	13.38	12.74	7.6	1.67	1.59	1.55	36.85	2.92	79.26	63.11	36.85	92.34	12.33	0.27	66.9	11.25	11.13	13.06	0.38	0.37	411	84.32	35.85	35.46	64.9	5.3	12.2	18	64.9	855	6.11	7	7	7
1688	LCS-STAR	12.43	11.80	7.3	1.31	1.25	1.22	38.11	2.97	74.01	64.16	38.11	89.66	10.03	0.1	72.3	10.80	10.72	13.36	0.34	0.33	432	95.33	33.15	32.91	63.1	8.9	14.7	27	63.1	785	5.77	7	5	6
1723	LCS-ATOMO	12.13	11.55	7.6	1.54	1.47	1.43	41.53	3.1	81.5	65.10	41.53	93.45	6.61	0.1	66.6	10.23	10.14	13.17	0.40	0.39	547	93.70	31.70	31.40	68.4	4.7	10.9	25	68.4	770	5.50	6	5	6
1728	WB-JOQUIN ORO	13.29	12.57	7.0	1.60	1.52	1.48	45.59	3.18	66.27	65.27	45.59	97.26	2.59	0.08	69.2	11.41	11.36	13.60	0.33	0.33	391	92.72	34.95	34.79	67.6	6.7	12.5	2	67.6	885	6.51	8	7	7
1730	WB-9229	13.47	12.78	7.2	1.66	1.58	1.54	40.38	3.04	72.5	65.63	40.38	92.19	7.89	0.1	68.2	11.86	11.77	13.34	0.38	0.38	485	96.02	35.25	34.98	68.7	25.9	24.3	26	68.7	925	6.81	8	7	8
1731	WB-PATRON	14.43	13.78	7.8	1.62	1.54	1.51	44.61	3.05	59.71	64.23	44.61	94.7	5.17	0.09	70.3	12.31	12.18	13.13	0.36	0.36	406	54.82	44.30	43.85	65.1	5	9.3	17	65.1	740	5.32	5	5	5
1743	UC 1743	12.90	12.29	7.6	1.66	1.58	1.54	34.84	2.83	85.64	63.62	34.84	86.9	12.51	0.13	68.5	11.40	11.28	13.13	0.35	0.35	434	91.79	34.05	33.71	65.7	6.5	19	20	65.7	785	5.57	5	5	5
1745	UC-YUROK	12.70	12.05	7.2	1.58	1.50	1.47	39.02	2.96	67.01	64.59	39.02	93.97	5.85	0.05	71.0	11.38	11.28	13.25	0.56	0.55	351	59.77	36.40	36.09	64.5	4.2	5.6	36	64.5	830	6.10	8	7	7
1748	WB-9112	12.62	11.98	7.3	1.57	1.49	1.45	39.78	2.97	72.27	65.09	39.78	94.26	5.66	0.07	69.4	11.22	11.12	13.27	0.34	0.34	409	97.01	33.45	33.17	66.9	19.2	19.7	32	66.9	875	6.16	6	7	7
1749	WB-7618	13.54	12.84	7.2	1.56	1.48	1.45	43.7	3.1	70.76	65.24	43.7	95.43	4.7	0.02	67.7	11.24	11.13	13.15	0.36	0.35	372	91.95	34.65	34.31	68.6	7.5	14	11	68.6	880	6.18	6	7	7
1750	WB-7390	12.77	12.11	7.2	1.49	1.42	1.38	49.09	3.21	64.98	65.57	49.09	97.55	2.47	0	66.4	10.75	10.65	13.15	0.34	0.34	382	92.34	32.00	31.69	67.4	6.5	13.5	15	67.4	810	5.63	5	6	6
1751	WB-9904	12.19	11.63	7.8	1.52	1.45	1.42	50.67	3.24	55.39	64.33	50.67	98.4	1.54	0.01	74.6	10.85	10.84	13.91	0.35	0.35	422	89.26	34.45	34.41	62.8	5.5	9.3	30	62.8	765	5.46	4	5	5
1766	SY-VACA	11.14	10.74	8.7	1.75	1.69	1.65	33.92	2.64	25.46	58.52	33.92	73.1	25.56	0.71	65.7	8.80	8.71	13.15	0.51	0.50	316	96.13	25.30	25.05	52.9	2.2	4.4	65	54.9	825	6.29	5	6	6
1778	ASSL-TAM 204	12.32	11.75	7.7	1.70	1.62	1.59	27.52	2.62	76.3	61.19	27.52	74.77	24.53	0.62	67.3	9.83	9.79	13.66	0.43	0.43	431	67.20	33.55	33.42	58.6	2.5	2.8	79	58.6	795	5.85	4	4	5
1802	WB-7556	12.53	11.93	7.6	1.52	1.45	1.42	43.97	3.09	69.33	64.30	43.97	94.78	5.07	0.05	68.3	11.24	11.22	13.88	0.34	0.34	425	96.64	31.30	31.26	64.9	6.4	10.6	31	64.9	850	5.93	6	6	7
1807	APB 501189	12.10	11.50	7.5	1.69	1.61	1.57	37.35	2.87	72.98	61.66	37.35	83.64	15.56	0.28	68.9	10.80	10.80	14.01	0.35	0.35	462	99.03	30.95	30.95	62.8	6.9	19	21	62.8	845	6.04	6	5	6
1814	UC 15010-5	12.44	11.78	7.1	1.69	1.60	1.57	42.43	3.08	64.69	63.38	42.43	95	5.2	0.07	67.1	10.09	10.03	13.48	0.30	0.30	524	94.03	30.10	29.92	61.4	10	23	10	61.4	815	6.00	6	5	6
1815	UC 15010-27	12.54	11.91	7.3	1.63	1.54	1.51	42.69	3.09	72.57	63.72	42.69	94.08	5.99	0.08	69.6	11.00	10.96	13.72	0.37	0.37	410	95.19	35.15	35.04	65.6	8	14	23	65.6	850	6.21	7	6	7
1816	UC 15013-15	12.62	11.99	7.4	1.61	1.53	1.50	42.74	3.17	70.68	66.28	42.74	95.81	4.36	0.06	69.9	10.20	10.15	13.55	0.32	0.32	509	98.90	31.60	31.44	65.3	22.8	30.1	6	65.3	800	5.71	5	5	6
1817	UC 15014-4	13.20	12.56	7.5	1.59	1.52	1.48	40.85	3.04	73.5	65.44	40.85	95.52	4.36	0.04	68.3	10.99	10.88	13.11	0.34	0.34	526	84.40	39.70	39.29	66.2	5.4	14	18	66.2	860	6.14	7	6	7
1818	UC 15014-35	14.36	13.61	7.1	1.64	1.55	1.52	36.37	2.93	68.17	65.31	36.37	87.83	11.87	0.26	68.0	12.90	12.90	14.00	0.28	0.28	538	70.36	48.75	48.75	68.4	13.5	12.8	30	68.4	850	6.02	6	7	7
1819	APB 500709	12.72	12.09	7.4	1.58	1.50	1.47	42	3.03	68.77	64.30	42	94.25	5.44	0.07	70.1	11.58	11.55	13.77	0.36	0.36	386	91.12	39.85	39.75	65.4	6	13	35	65.4	830	6.10	5	6	6
1820	APB 501129	12.75	12.10	7.2	1.62	1.53	1.50	41.76	3.1	73.81	62.35	41.76	93.02	6.67	0.09	68.4	11.10	11.08	13.87	0.39	0.39	382	97.10	33.15	33.10	67	6.9	14.5	22	67	885				

Table 20. 2016 Durum Wheat Quality, Fresno.

Entry	Name	GRAIN										Semolina										Milling										PASTA ANALYSIS							
		Pro %		Mois %	Ash		Test	1000	Kernel Size Dist. (100G)			Tot	Semo	Ash		Spk	Pro	Mois %	Glut Indx	Wet Glut		Fall	Alveo-	Alveo-	Alveo-	Alveo-	Color	Color	Color	Color	Cook	Cook	Firm						
		AS IS	12% MB	%	12%	14%	Weight	Kwt	L	M	S	Ext	Ext	AS IS	14%	AS IS	14%			AS IS	14% MB	No.	P (mm)	L (mm)	P/L	W	L	a	b					L	a	b	Score	Wt	Loss
951	APB-KRONOS	12.10	11.45	7.0	1.63	1.54	1.51	64.5	59.9	98.3	1.69	0.04	74.9	62.2	0.82	0.8	29	10.51	10.53	14.19	76.38	27.35	27.41	595	117	51	2.29	207	86.06	-3.11	26.98	55.9	1.31	39.61	9	30.26	6.12	5.96	
1215	WB-ORITA	11.74	11.13	7.1	1.72	1.63	1.59	63.2	51.8	97.58	2.34	0.04	74.7	61.8	0.85	0.9	26	10.30	10.45	15.20	74.59	28.55	28.95	707	120	57	2.11	221	86.44	-3.39	27.5	54.25	1.82	39.58	8.5	30.31	6.72	5.73	
1375	UC-DESERT KING	11.57	10.98	7.3	1.77	1.68	1.64	65.7	53.2	95.06	4.78	0.15	76.1	64.3	0.82	0.8	17	10.16	10.21	14.47	68.55	26.85	27.00	526	94	68	1.38	196	86.4	-3.09	26.26	56.32	1.21	38.02	8.5	29.28	4.58	6.21	
1429	SY-FORTISSIMO	12.90	12.23	7.2	1.74	1.65	1.61	64.5	49.0	94.55	5.32	0.2	75.5	62.8	0.80	0.8	23	10.93	10.98	14.41	48.55	29.15	29.29	472	76	59	1.29	131	87.1	-3.35	26.67	57.22	1.37	40.84	9	29.12	6.37	5.59	
1431	SY-VOLANTE	11.74	11.15	7.3	1.74	1.65	1.61	65.9	60.6	98.94	1.03	0.06	77.5	63.3	0.80	0.8	29	10.38	10.45	14.61	30.20	29.15	29.36	525	74	55	1.35	117	86.69	-3.26	27.77	57.65	1.04	39.01	8.5	29.34	6.06	5.90	
1440	APB-HELIOS	12.49	11.87	7.4	1.48	1.41	1.38	64.1	51.8	95.92	3.98	0.11	77.0	61.7	0.81	0.8	26	11.09	11.12	14.24	93.15	28.55	28.63	781	129	66	1.95	280	85.95	-3.25	27.59	54.93	1.70	39.63	8.5	29.66	6.37	6.10	
1479	WB-HAVASU	12.76	12.13	7.5	1.55	1.48	1.44	64.9	55.2	98.07	1.86	0.06	76.4	62.8	0.82	0.8	23	11.21	11.24	14.23	87.57	28.95	29.03	712	135	64	2.11	290	86.74	-3.27	26.72	55.38	1.65	40.02	8.5	29.45	6.63	6.15	
1484	APB-WESTMORE HP	11.73	11.13	7.3	1.57	1.49	1.45	65.3	44.1	91.05	8.86	0	75.4	63.3	0.81	0.8	26	10.52	10.55	14.26	77.32	27.1	27.18	536	135	48	2.81	225	86.48	-3.4	28.92	54.64	1.77	40.97	8.5	30.19	6.51	5.70	
1582	AS-MAESTRALE	10.96	10.40	7.3	1.67	1.58	1.54	65.0	49.0	89.1	10.46	0.47	75.2	63.2	0.84	0.8	29	9.83	9.87	14.42	68.06	25.5	25.62	490	91	41	2.22	137	84.98	-2.39	26.61	54.8	2.03	36.97	7.5	29.95	6.17	5.47	
1583	AS-SARAGOLLA	11.14	10.58	7.3	1.70	1.61	1.58	65.4	50.0	95.08	4.74	0.19	76.5	64.1	0.85	0.9	26	9.86	9.90	14.32	79.84	24.8	24.89	526	99	36	2.75	145	86.26	-2.71	25.31	56.98	2.55	36.97	7.5	29.82	6.42	5.00	
1607	WB-MEAD	11.92	11.33	7.4	1.78	1.69	1.65	64.6	44.8	90.87	8.97	0.2	75.6	62.7	0.91	0.9	23	10.27	10.31	14.29	76.01	26.65	26.74	468	100	40	2.5	157	86.79	-3.11	26.68	56.28	1.77	38.75	8.5	29.66	6.47	5.66	
1627	UC-DESERT KING-HP	12.97	12.30	7.2	1.83	1.74	1.70	63.7	45.9	90.24	9.66	0.05	74.5	63.8	0.87	0.9	23	11.15	11.27	14.88	67.85	31.1	31.42	678	113	60	1.88	228	85.96	-2.93	27.39	57.01	1.58	40.61	9	29.96	6.58	6.10	
1640	APB-TIBURON	12.74	12.09	7.3	1.49	1.42	1.39	64.3	64.9	98.92	1.01	0.05	75.1	63.8	0.80	0.8	20	11.24	11.27	14.28	67.77	30.1	30.20	508	101	46	2.2	175	86.49	-3.37	28.48	55.51	0.99	39.9	8.5	30.52	6.17	5.56	
1654	WB-MOHAVE	11.90	11.30	7.3	1.66	1.57	1.54	64.6	53.2	94.45	5.44	0.14	75.0	63.5	0.74	0.7	23	10.55	10.62	14.52	94.96	26.8	26.96	614	142	39	3.64	228	86.37	-3.89	31.54	55.64	1.51	42.68	9	30.26	6.73	4.70	
1690	UC-MIWOK	12.60	11.97	7.3	1.74	1.65	1.61	65.4	59.2	98.53	1.39	0.11	76.2	64.6	0.71	0.7	17	10.44	10.48	14.36	35.68	30.8	30.93	474	82	42	1.95	119	86.51	-2.92	26.23	55.5	0.84	37.9	7.5	28.90	6.31	6.31	
1697	LCS-KIKO	11.73	11.13	7.3	1.74	1.66	1.62	64.9	58.8	96.89	3.09	0.14	74.4	62.5	0.78	0.8	23	10.20	10.27	14.60	42.18	26.55	26.74	561	82	39	2.1	115	85.96	-2.38	24.46	55.46	1.37	36.71	7.5	30.05	6.17	5.73	
1796	UC 1796	12.01	11.41	7.4	1.75	1.66	1.62	65.4	58.8	97.79	2.21	0.05	73.9	63.0	0.71	0.7	29	10.57	10.64	14.53	78.94	28.5	28.68	560	127	37	3.43	191	86.19	-3.15	28.44	54.34	1.42	39.62	8.5	29.89	5.79	5.65	
1810	APB 571217	12.75	12.13	7.5	1.84	1.75	1.71	65.8	54.1	97.9	1.89	0.23	75.4	62.4	0.68	0.7	23	11.25	11.32	14.52	59.67	31.15	31.34	655	88	65	1.35	178	85.92	-3.4	28.72	56.39	1.32	39.69	9	29.59	6.40	6.13	
1812	APB 571353	11.89	11.30	7.4	1.71	1.62	1.59	64.9	54.6	97.16	2.84	0.12	75.3	64.1	0.73	0.7	20	10.50	10.56	14.52	72.84	28.55	28.72	553	101	50	2.02	180	86.22	-3.26	28.04	55	0.91	40.47	8.5	29.43	6.10	6.04	
1813	APB 335	11.87	11.29	7.4	1.66	1.58	1.55	64.0	59.9	98.65	1.34	0.12	76.3	64.4	0.76	0.8	20	10.20	10.25	14.40	81.59	30.15	30.29	448	86	27	3.19	92	86.29	-3.33	28.36	55.47	1.28	41.53	9	29.52	6.26	6.35	
1822	APB 540505	11.54	10.95	7.2	1.69	1.60	1.56	66.5	49.3	94.9	5.06	0.08	73.9	63.7	0.78	0.8	20	9.99	10.07	14.71	88.17	26.6	26.82	425	154	32	4.81	210	86.37	-3.73	30.03	56.19	0.30	42.16	9.5	29.83	6.51	5.29	
1823	APB 410077	12.15	11.57	7.6	1.73	1.64	1.61	64.9	56.5	98.77	1.22	0.02	72.6	63.0	0.81	0.8	29	10.70	10.77	14.59	81.94	28.6	28.80	527	154	34	4.53	222	86.35	-3.74	30.48	54.46	1.15	42.57	9	29.41	5.41	6.55	
1824	UC 15210-11	14.09	13.38	7.4	1.84	1.74	1.71	63.7	52.6	96.19	3.64	0.13	75.2	64.0	0.83	0.8	17	11.35	11.42	14.54	90.60	29.25	29.43	716	123	38	3.24	195	85.74	-2.33	29.52	53.46	1.67	41.58	9	30.65	6.64	5.63	
1825	UC 15210-12	11.40	10.85	7.5	1.55	1.47	1.44	66.3	58.8	96.81	3.12	0.04	73.8	63.3	0.74	0.7	26	10.31	10.38	14.53	72.93	27.1	27.27	560	127	29	4.38	156	86.46	-3.77	31.29	54.61	1.03	44.25	9.5	30.13	6.42	5.15	
1826	UC 15210-24	11.88	11.29	7.5	1.68	1.60	1.56	65.1	56.5	98.98	0.99	0.08	72.5	62.7	0.70	0.7	20	10.34	10.40	14.45	67.25	28.25	28.40	536	98	42	2.33	151	87.04	-3.87	29.35	57.36	0.27	42.76	9.5	29.33	6.19	5.51	
1827	APB 540165	11.16	10.60	7.4	1.61	1.53	1.50	63.8	62.5	98.9	0.95	0.08	73.3	63.5	0.72	0.7	20	9.88	9.93	14.42	65.44	27.05	27.18	514	98	42	2.33	154	86.69	-3.65	28.65	56.51	-0.26	41.8	9.5	29.59	6.06	5.20	
1832	LCS 12E4006	11.14	10.58	7.4	1.51	1.43	1.40	66.5	58.5	98.68	1.21	0.12	75.3	63.1	0.77	0.8	29	9.23	9.30	14.69	72.98	22.1	22.28	539	143	30	4.77	181	85.99	-2.95	27.73	53.46	1.76	39.58	8.5	29.90	7.04	4.97	
1833	LCS 13SD0056	10.97	10.41	7.3	1.55	1.47	1.44	65.9	52.9	93.47	6.40	0.15	76.9	64.1	0.73	0.7	32	9.65	9.73	14.67	48.79	25.5	25.70	489	83	34	2.44	107	86.81	-2.93	24.3	52.73	1.22	35.24	6	30.21	6.55	5.04	

Table 21. 2016 Durum Wheat Quality, Kern.

Entry	Name	GRAIN										Semolina										Milling										PASTA ANALYSIS						
		Pro %		Mois %	Ash		Test	1000	Kernel Size Dist. (100G)			Tot	Semo	Ash		Spk	Pro		Mois %	Glut Indx	Wet Glut		Fall	Alveo-	Alveo-	Alveo-	Alveo-	Color	Color	Color	Color	Cook	Cook	Firm				
		AS IS	12% MB	%	12%	14%	Weight	Kwt	L	M	S	Ext	Ext	AS IS	14%	AS IS	14%			AS IS	14% MB	No.	P (mm)	L (mm)	P/L	W	L	a	b	L	a	b	Score	Wt	Loss			
951	APB-KRONOS	16.45	15.60	7.2	2.20	2.08	2.03	57.9	42.7	94.24	5.82	0.04	74.9	62.4	1.07	1.1	23	14.55	14.54	13.94	64.13	36.95	36.92	969	118	37	3.19	170	84.98	-2.77	28.9	52.19	2.63	39.97	8.5	29.07	5.98	6.60
1215	WB-ORITA	17.24	16.36	7.3	2.08	1.98	1.93	59.1	42.4	93.24	6.58	0.07	74.0	62.9	0.97	1.0	8	15.30	15.33	14.16	62.63	42.55	42.63	>999	111	44	2.52	185	85.52	-2.98	28.01	54.19	2.16	40.6	8.5	28.51	5.81	7.80
1375	UC-DESERT KING	18.49	17.51	7.1	2.16	2.04	1.99	59.0	44.2	92.49	7.36	0.06	73.3	60.0	1.19	1.2	29	16.01	15.92	13.53	47.38	40.3	40.08	<999	98	49	2	168	84.03	-2.22	28.68	52.63	3.71	39.36	8.5	28.04	5.00	7.86
1429	SY-FORTISSIMO	17.78	16.85	7.1	2.20	2.09	2.04	58.1	30.6	67.39	31.84	0.73	74.5	60.6	1.14	1.1	14	15.99	16.01	14.11	47.02	40.7	40.75	558	87	48	1.81	147	84.89	-2.85	31.43	52.94	3.53	42.27	9	28.35	5.59	6.96
1431	SY-VOLANTE	17.02	16.15	7.3	2.13	2.02	1.97	59.0	42.9	89.47	10.25	0.22	75.3	61.6	1.07	1.1	17	15.54	15.56	14.09	45.90	41.5	41.54	794	91	53	1.72	166	85.17	-2.98	31.2	54	2.41	41.04	9	28.62	5.79	7.59
1440	APB-HELIOS	15.42	14.62	7.2	2.16	2.04	2.00	59.8	38.6	82.08	17.85	0.35	74.6	60.6	1.18	1.2	17	13.88	13.94	14.35	93.87	33.45	33.59	<999	141	66	2.14	341	85.78	-3.32	31.57	55.58	2.73	45.2	10	28.52	5.09	7.35
1479	WB-HAVASU	16.76	15.89	7.2	2.00	1.90	1.86	60.3	44.6	90.85	8.90	0.1	75.2	61.5	1.04	1.0	11	15.01	15.07	14.36	81.78	37.05	37.21	<999	139	75	1.85	352	85.71	-3.05	29.58	54.58	2.23	42.01	9	28.73	5.31	7.51
1484	APB-WESTMORE HP	17.56	16.61	7.0	2.18	2.07	2.02	56.6	28.2	56.93	41.77	1.24	72.6	60.1	1.04	1.0	17	15.58	15.58	14.03	59.61	38.25	38.26	904	112	50	2.24	190	84.01	-2.88	31.96	51.79	3.82	41.8	9	27.92	5.32	8.06
1582	AS-MAESTRALE	15.80	14.97	7.1	2.14	2.03	1.98	57.2	32.1	65.24	32.62	2.12	73.5	61.6	1.06	1.1	11	14.27	14.29	14.09	50.89	37.05	37.09	685	70	62	1.13	127	84.72	-2.23	28.06	53.22	3.78	39.34	8.5	27.87	5.41	8.20
1583	AS-SARAGOLLA	16.61	15.70	6.9	2.24	2.11	2.07	57.9	32.4	69.64	29.02	1.34	71.7	61.7	1.11	1.1	20	14.86	14.89	14.19	76.87	33.45	33.52	999	122	43	2.84	206	84.61	-2.09	28.01	52.58	3.86	38.84	8	28.71	5.84	6.78
1607	WB-MEAD	18.95	17.96	7.2	2.33	2.21	2.16	53.1	30.2	62.06	36.78	1.24	72.2	60.1	1.17	1.2	17	16.94	16.90	13.80	73.12	43.2	43.10	999	107	72	1.49	242	83.45	-2.24	31.6	51.49	4.15	40.21	8.5	27.09	5.28	8.20
1627	UC-DESERT KING-HP	18.27	17.32	7.2	2.30	2.18	2.13	54.5	32.4	66.3	32.91	0.76	73.5	61.8	1.24	1.2	8	16.20	16.20	13.99	52.42	44.35	44.35	979	114	74	1.54	254	84.33	-2.36	29.22	53.1	3.61	40.07	8.5	27.47	5.24	8.46
1640	APB-TIBURON	16.76	15.88	7.1	2.08	1.97	1.92	58.1	41.3	88.74	11.11	0.14	74.9	63.3	1.09	1.1	23	14.90	14.93	14.20	69.32	38.3	38.39	882	131	70	1.87	297	84.61	-2.45	29.16	52.99	2.66	39.19	8	28.51	5.44	7.26
1654	WB-MOHAVE	16.29	15.43	7.1	1.98	1.87	1.83	59.7	39.4	82.95	16.92	0.19	75.5	61.3	1.03	1.0	14	14.85	14.91	14.34	85.66	37.6	37.75	941	153	78	1.96	400	85.09	-3.16	31.37	53.71	2.65	42.18	9	28.36	4.99	7.47
1690	UC-MIWOK	17.30	16.40	7.2	1.94	1.84	1.80	58.7	39.8	84.98	14.89	0.21	74.7	63.1	1.06	1.1	11	15.67	15.71	14.22	40.44	44.65	44.76	742	90	76	1.18	184	86.21	-2.63	27.04	55.9	2.05	41.72	9	27.61	5.09	7.51
1697	LCS-KIKO	16.73	15.88	7.3	2.23	2.12	2.07	58.8	42.9	85.73	14.15	0.09	73.4	61.9	1.04	1.0	23	14.47	14.45	13.87	53.49	37.2	37.14	876	12	68	1.76	250	84.38	-1.99	26.84	54.38	3.92	37.3	7.5	28.17	5.66	7.48
1796	UC 1796	16.47	15.65	7.4	2.06	1.96	1.91	59.4	41.3	83.77	15.85	0.22	75.1	61.7	0.99	1.0	14	14.81	14.83	14.11	65.79	37.45	37.50	999	168	47	3.57	310	84.38	-2.73	30.71	52.75	3.43	40.22	8.5	28.76	5.59	6.71
1810	APB 571217	16.13	15.30	7.2	2.20	2.09	2.04	61.3	42.2	89.02	10.82	0.2	76.9	61.2	1.06	1.1	14	14.40	14.42	14.14	69.92	39.75	39.82	975	124	76	1.63	301	86.86	-3.3	28.44	54.05	3.44	41.78	9	27.98	5.51	7.00
1812	APB 571353	16.35	15.50	7.2	2.06	1.95	1.91	57.9	34.0	69.61	29.68	0.64	75.3	61.2	1.04	1.0	17	14.80	14.77	13.85	68.97	37.2	37.13	824	116	66	1.76	248	84.74	-2.35	29.76	52.24	3.77	41.02	9	28.27	5.52	7.08
1813	APB 335	17.46	16.55	7.2	2.43	2.31	2.26	58.7	43.3	91.17	8.60	0.17	77.3	62.5	1.13	1.1	11	15.78	15.74	13.77	70.44	42.45	42.34	922	114	89	1.28	294	85.11	-3.06	32.25	51.83	3.93	40.83	8.5	27.52	5.21	8.27
1822	APB 540505	16.10	15.28	7.3	2.09	1.98	1.94	61.4	37.0	77.01	22.46	0.41	75.6	63.0	1.05	1.1	26	14.47	14.51	14.25	75.62	37.5	37.61	872	87	46	1.89	134	85.74	-2.99	29.63	54.46	3.38	41.55	9	27.97	5.52	7.06
1823	APB 410077	16.17	15.36	7.4	2.16	2.05	2.00	59.3	43.9	94.42	5.44	0.09	75.9	63.2	1.17	1.2	17	14.70	14.69	13.92	80.13	36.2	36.17	999	52	73	0.71	95	85.22	-2.73	29.54	54.37	3.41	41.3	9	27.66	5.58	8.14
1824	UC 15210-11	17.03	16.14	7.2	2.32	2.19	2.14	55.3	35.5	78.24	21.29	0.45	74.6	61.8	1.26	1.3	14	14.70	14.71	14.05	70.84	39.6	39.62	999	127	80	1.59	316	84.05	-2.25	30.81	51.9	4.64	40.82	8.5	28.72	5.81	6.88
1825	UC 15210-12	18.37	17.40	7.1	2.11	2.00	1.96	57.7	37.6	72.39	26.87	0.83	74.8	60.6	1.15	1.2	26	16.13	16.17	14.22	53.24	41.6	41.71	999	132	39	3.38	201	83.63	-2.88	33.44	51.92	4.54	42.2	9	28.93	4.88	6.80
1826	UC 15210-24	16.10	15.27	7.2	2.05	1.94	1.90	59.9	43.7	87.36	12.46	0.12	76.0	62.5	1.05	1.0	20	14.33	14.35	14.13	51.86	39.5	39.56	968	100	49	2.04	176	85.06	-3.54	33.43	53.12	2.93	40.7	8.5	27.96	4.96	7.23
1827	APB 540165	16.43	15.57	7.1	2.04	1.93	1.89	56.8	41.5	85.1	14.72	0.25	75.0	62.6	1.12	1.1	17	15.26	15.32	14.32	65.43	38.15	38.29	>999	122	53	2.3	228	84.46	-2.44	29.9	53.28	3.03	41.08	9	28.06	5.01	7.07
1832	LCS 12E4006	17.36	16.43	7.0	2.14	2.03	1.98	57.6	30.5	57.08	41.28	1.65	73.2	60.4	1.20	1.2	23	15.36	15.36	13.97	62.71	38.05	38.04	908	166	40	4.15	267	83.97	-2.33	32.64	50.26	4.99	40.29	8.5	28.32	5.86	7.08
1833	LCS 13SD0056	17.14	16.18	6.8	2.30	2.17	2.12	57.4	32.1	61.74	36.83	1.34	73.7	61.2	1.12	1.1	20	15.17	15.22	14.28	41.89	39.1	39.23	631	94	50	1.88	159	84.48	-2.02	28.25	51.85	4.06	38	8	28.36	5.02	6.82

Table 22. 2014-2016 Common Wheat & Triticale Better Than Average Varieties by Region.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SacV	SY-BLANCA GRANDE 515	1657	5789	273	12.69	0.46	HWS	Released
SacV	LCS-STAR	1688	6077	272	12.25	0.46	HWS	Released
SacV	WB-9229	1730	5702	272	12.88	0.46	HRS	Released
SacV	UC-PATWIN 515HP	1743	6326	319	13.07	0.47	HWS	Released
SacV	WB-7618	1749	5922	272	12.68	0.46	HWS	Released
SacV	UC 15010-5	1814	6228	319	12.51	0.47	HRS	Advanced
SacV	UC 15010-27	1815	6284	319	12.08	0.47	HWS	Advanced
SacV	UC 15014-4	1817	6334	319	12.05	0.46	HRS	Advanced
SacV	APB 500709	1819	6041	319	12.22	0.46	HRS	Advanced
SacV	APB 8238	1821	6115	323	12.11	0.47		Advanced
NCenSJV	ULTRA	1590	6661	452	11.65	0.51	HRS	Released
NCenSJV	UC-PATWIN 515	1680	6519	452	12.09	0.51	HWS	Released
NCenSJV	LCS-STAR	1688	6359	452	11.8	0.51	HWS	Released
NCenSJV	APB 770229	1746	6735	492	12.19	0.63	HWS	Advanced
NCenSJV	WB DA908-306	1750	6384	452	11.77	0.51	HWS	Advanced
NCenSJV	WB 9904	1751	6462	452	12.03	0.51	HRS	Advanced
NCenSJV	UC 13010-23	1767	6550	462	12.15	0.56	HRS	Advanced
NCenSJV	UC 14010/22	1791	6621	492	11.9	0.63	HWS	Advanced
NCenSJV	UC 15010-27	1815	7285	492	11.95	0.54	HWS	Advanced
NCenSJV	APB 8238	1821	6645	492	12.23	0.54		Advanced
NCenSJV	APB 501089	1828	6594	492	11.57	0.54	HRS	Advanced
NCenSJV	LCS 12SB0224	1831	6812	492	11.53	0.54	HWS	Advanced
SoSJV	SY-BLANCA GRANDE 515	1657	5861	969	13.13	0.95	HWS	Released
SoSJV	SUMMIT 515	1658	5550	969	13.05	0.95	HRS	Released
SoSJV	WB-JOAQUIN ORO	1728	5519	967	13.89	0.95	HRS	Released
SoSJV	WB-7618	1749	5411	967	14.04	0.95	HWS	Released
SoSJV	LCS 11SB0097	1773	5825	983	13.52	1.03	HRS	Advanced
SoSJV	UC 14010/29	1792	6380	1034	12.67	1.15	HRS	Advanced
SoSJV	UC 15014-4	1817	5859	983	13.35	0.96	HRS	Advanced
SoSJV	APB 500709	1819	5595	983	13.19	0.96	HRS	Advanced
ImpV	PATWIN	1419	6253	558	13.45	0.57	HWS	Released
ImpV	CAL ROJO	1478	6121	544	13.02	0.55	HRS	Released
ImpV	SY-BLANCA GRANDE 515	1657	6133	544	13.46	0.55	HWS	Released
ImpV	SUMMIT 515	1658	6947	544	13	0.55	HRS	Released
ImpV	SY 314	1660	6032	544	13.05	0.55	HRS	Released
ImpV	UC-PATWIN 515	1680	6439	544	13.11	0.55	HWS	Released
ImpV	WB-9229	1730	6499	544	14.29	0.55	HRS	Released
ImpV	WB-PATRON	1731	6021	544	13.19	0.55	HRS	Released
ImpV	WB-7618	1749	6394	544	13.87	0.55	HWS	Released
ImpV	SY-DAYN	1795	6468	596	13.44	0.6	HWS	Released
ImpV	WB-7566	1802	6489	558	12.93	0.55	HWS	Advanced
ImpV	UC 15010-5	1814	6394	596	13.69	0.56	HRS	Advanced
ImpV	UC 15010-27	1815	7212	596	12.92	0.56	HWS	Advanced
ImpV	UC 15014-4	1817	6630	596	13.46	0.56	HRS	Advanced
ImpV	APB 500709	1819	7161	596	13.46	0.56	HRS	Advanced
ImpV	LCS 12SB0224	1831	6316	596	13.16	0.56	HWS	Advanced

Table 23. 2014-2016 Durum Wheat Better Than Average Varieties by Region.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SacV	UC-DESERT KING	1375	6592	616	11.59	0.95	Dur	Released
SacV	APB-WESTMORE HP	1484	6495	616	12.75	0.95	Dur	Released
SacV	UC 13210-21	1771	6857	634	11.75	1.02	Dur	Advanced
SacV	UC 15210-12	1825	7649	683	11.75	0.99	DUR	Advanced
NCenSVJ	UC-DESERT KING	1375	7197	460	11.22	0.63	Dur	Released
NCenSVJ	APB-TIBURON	1640	7206	460	11.68	0.63	Dur	Released
NCenSVJ	LCS-KIKO	1697	7420	460	11.32	0.63	Dur	Released
NCenSVJ	UC 13210-5	1770	7343	472	10.66	0.67	Dur	Advanced
NCenSVJ	UC 13210-21	1771	7209	470	12.14	0.67	Dur	Advanced
NCenSVJ	UC 1796	1796	7243	470	11.88	0.64	Dur	Advanced
NCenSVJ	UC 15210-12	1825	7333	501	11.71	0.65	DUR	Advanced
NCenSVJ	APB 540165	1827	7490	501	11.19	0.65	DUR	Advanced
NCenSVJ	LCS 13SD0056	1833	7387	501	10.7	0.65	DUR	Advanced
SoSVJ	UC 1756	1756	7360	704	13.29	2.17	Dur	Advanced
SoSVJ	UC 13210-21	1771	6900	638	13.77	2.17	Dur	Advanced
SoSVJ	UC 1796	1796	6909	628	13.64	2.14	Dur	Advanced
SoSVJ	APB 571217	1810	6731	628	13.68	2.14	Dur	Advanced
ImpV	UC-TIPAI	1585	7562	338	12.97	1.13	Dur	Released
ImpV	UC 13210-21	1771	7673	279	13.19	1.1	Dur	Advanced
ImpV	UC 1796	1796	7189	279	13.91	1.09	Dur	Advanced

Table 28. 2014-2016 Durum Wheat Yield and Protein Summary, Sacramento Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SacV	WWW-DURAKING	878	5855	634	11.33	1.02	Dur	Released
SacV	APB-KRONOS	951	5518	616	12.42	0.95	Dur	Released
SacV	WWW-CROWN	1166	6211	634	12.4	1.02	Dur	Released
SacV	WWW-PLATINUM	1210	5530	634	12.36	1.02	Dur	Released
SacV	WWW-TOPPER	1211	5943	634	11.87	1.02	Dur	Released
SacV	WB-ORITA	1215	5377	616	13.18	0.95	Dur	Released
SacV	UC-DESERT KING	1375	6592	616	11.59	0.95	Dur	Released
SacV	SY-FORTISSIMO	1429	6228	616	12.86	0.95	Dur	Released
SacV	SY-VOLANTE	1431	5692	616	12.26	0.95	Dur	Released
SacV	APB-HELIOS	1440	5503	633	12.68	0.96	Dur	Released
SacV	WWW-Q-MAX	1473	5769	634	10.94	1.02	Dur	Released
SacV	WB-HAVASU	1479	5287	616	12.76	0.95	Dur	Released
SacV	APB-WESTMORE HP	1484	6495	616	12.75	0.95	Dur	Released
SacV	AS-MAESTRALE	1582	6296	616	11.19	0.95	Dur	Released
SacV	AS-SARAGOLLA	1583	6582	616	11.27	0.95	Dur	Released
SacV	UC-TIPAI	1585	5852	683	14.5	1.14	Dur	Released
SacV	WB-MEAD	1607	5228	616	12.97	0.95	Dur	Released
SacV	UC-DESERT KING-HP	1627	6430	616	13.43	0.95	Dur	Released
SacV	APB-TIBURON	1640	5623	616	13.45	0.95	Dur	Released
SacV	WB-MOHAVE	1654	5294	616	12.21	0.95	Dur	Released
SacV	UC-MIWOK	1690	5738	616	12.7	0.95	Dur	Released
SacV	LCS-KIKO	1697	5831	616	11.86	0.95	Dur	Released
SacV	LCS ATHORIS	1698	6192	683	10.8	1.14	Dur	Advanced
SacV	LCS-ALIRON	1721	5704	634	12.36	1.02	Dur	Advanced
SacV	WWW D2517	1733	5787	683	11.88	1.14	Dur	Advanced
SacV	UC 1756	1756	6741	683	10.88	1.14	Dur	Advanced
SacV	UC 1758	1758	5703	683	12.51	1.14	Dur	Advanced
SacV	UC 13210-5	1770	6276	634	11.88	1.02	Dur	Advanced
SacV	UC 13210-21	1771	6857	634	11.75	1.02	Dur	Advanced
SacV	WWW D2517Bell025	1776	5477	634	12.92	1.02	Dur	Advanced
SacV	APB 11705	1782	5932	683	10.16	1.14	Dur	Advanced
SacV	APB 11907	1783	5768	683	11.51	1.14	Dur	Advanced
SacV	APB 11908	1784	6230	683	11.43	1.14	Dur	Advanced
SacV	APB 11710	1785	6439	683	11.21	1.14	Dur	Advanced
SacV	KAMUT	1786	1259	634	14.77	1.02	Dur	Advanced
SacV	UC 1796	1796	6196	633	13.04	0.96	Dur	Advanced
SacV	UC 14215/11	1797	5565	682	13.27	1.14	Dur	Advanced
SacV	UC 14215/14	1798	6267	682	12.39	1.14	Dur	Advanced
SacV	UC 14215/42	1799	5259	682	11.63	1.14	Dur	Advanced
SacV	AS COLOMBO	1800	7001	682	10.92	1.14	Dur	Released
SacV	WWW D3085	1801	6420	682	11.37	1.14	Dur	
SacV	APB 571217	1810	5577	633	13.17	0.96	Dur	Advanced
SacV	APB 571353	1812	5826	683	11.96	0.99	Dur	Advanced
SacV	APB 335	1813	5714	633	12.65	0.96	Dur	Advanced
SacV	APB 540505	1822	6391	683	12.1	0.99	DUR	Advanced
SacV	APB 410077	1823	4802	683	12.44	0.99	DUR	Advanced
SacV	UC 15210-11	1824	6712	683	12.05	0.99	DUR	Advanced
SacV	UC 15210-12	1825	7649	683	11.75	0.99	DUR	Advanced
SacV	UC 15210-24	1826	6757	683	11.46	0.99	DUR	Advanced
SacV	APB 540165	1827	5882	683	12.77	0.99	DUR	Advanced
SacV	LCS 12E4006	1832	6658	683	11.13	0.99	DUR	Advanced
SacV	LCS 13SD0056	1833	6861	714	11.36	1.03	DUR	Advanced

Table 29. 2014-2016 Durum Wheat Yield and Protein Summary, North-Central San Joaquin Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
NCenSJV	WWW-DURAKING	878	6891	470	11.89	0.67	Dur	Released
NCenSJV	APB-KRONOS	951	6439	460	11.64	0.63	Dur	Released
NCenSJV	WWW-CROWN	1166	6976	470	11.14	0.67	Dur	Released
NCenSJV	WWW-PLATINUM	1210	6572	470	11.14	0.67	Dur	Released
NCenSJV	WWW-TOPPER	1211	6841	470	11.22	0.67	Dur	Released
NCenSJV	WB-ORITA	1215	6261	460	11.81	0.63	Dur	Released
NCenSJV	UC-DESERT KING	1375	7197	460	11.22	0.63	Dur	Released
NCenSJV	SY-FORTISSIMO	1429	6915	460	11.75	0.63	Dur	Released
NCenSJV	SY-VOLANTE	1431	6789	460	10.99	0.63	Dur	Released
NCenSJV	APB-HELIOS	1440	6588	470	11.67	0.64	Dur	Released
NCenSJV	WWW-Q-MAX	1473	6508	470	11.46	0.67	Dur	Released
NCenSJV	WB-HAVASU	1479	6282	460	11.86	0.63	Dur	Released
NCenSJV	APB-WESTMORE HP	1484	6691	460	12.1	0.63	Dur	Released
NCenSJV	AS-MAESTRALE	1582	6387	463	10.93	0.63	Dur	Released
NCenSJV	AS-SARAGOLLA	1583	6599	460	10.95	0.63	Dur	Released
NCenSJV	UC-TIPAI	1585	7191	500	11.27	0.75	Dur	Released
NCenSJV	WB-MEAD	1607	6562	460	11.77	0.63	Dur	Released
NCenSJV	UC-DESERT KING-HP	1627	6740	460	12.57	0.63	Dur	Released
NCenSJV	APB-TIBURON	1640	7206	460	11.68	0.63	Dur	Released
NCenSJV	WB-MOHAVE	1654	6128	460	11.71	0.63	Dur	Released
NCenSJV	UC-MIWOK	1690	6760	460	11.47	0.63	Dur	Released
NCenSJV	LCS-KIKO	1697	7420	460	11.32	0.63	Dur	Released
NCenSJV	LCS ATHORIS	1698	7195	500	11.02	0.75	Dur	Advanced
NCenSJV	LCS-ALIRON	1721	6874	470	11.37	0.67	Dur	Advanced
NCenSJV	WWW D2517	1733	6474	500	10.22	0.75	Dur	Advanced
NCenSJV	UC 1756	1756	7097	500	11.11	0.75	Dur	Advanced
NCenSJV	UC 1758	1758	6447	500	12.33	0.75	Dur	Advanced
NCenSJV	UC 13210-5	1770	7343	472	10.66	0.67	Dur	Advanced
NCenSJV	UC 13210-21	1771	7209	470	12.14	0.67	Dur	Advanced
NCenSJV	WWW D2517Bell025	1776	6597	470	11.74	0.67	Dur	Advanced
NCenSJV	APB 11705	1782	7297	500	9.97	0.75	Dur	Advanced
NCenSJV	APB 11907	1783	6465	500	10.55	0.75	Dur	Advanced
NCenSJV	APB 11908	1784	6438	500	11.6	0.75	Dur	Advanced
NCenSJV	APB 11710	1785	6887	500	11.64	0.75	Dur	Advanced
NCenSJV	KAMUT	1786	2611	470	13.9	0.67	Dur	Advanced
NCenSJV	UC 1796	1796	7243	470	11.88	0.64	Dur	Advanced
NCenSJV	UC 14215/11	1797	6520	500	11.97	0.75	Dur	Advanced
NCenSJV	UC 14215/14	1798	6361	500	11.81	0.75	Dur	Advanced
NCenSJV	UC 14215/42	1799	6164	500	11.16	0.75	Dur	Advanced
NCenSJV	AS COLOMBO	1800	5612	500	10.81	0.75	Dur	Released
NCenSJV	WWW D3085	1801	6559	500	11.41	0.75	Dur	
NCenSJV	APB 571217	1810	6901	470	11.59	0.64	Dur	Advanced
NCenSJV	APB 571189	1811	7170	500	10.62	0.75	Dur	Advanced
NCenSJV	APB 571353	1812	6962	470	11.31	0.64	Dur	Advanced
NCenSJV	APB 335	1813	6627	470	11.83	0.64	Dur	Advanced
NCenSJV	APB 540505	1822	7030	501	11.09	0.65	DUR	Advanced
NCenSJV	APB 410077	1823	6247	501	11.77	0.65	DUR	Advanced
NCenSJV	UC 15210-11	1824	7251	501	11.92	0.65	DUR	Advanced
NCenSJV	UC 15210-12	1825	7333	501	11.71	0.65	DUR	Advanced
NCenSJV	UC 15210-24	1826	7346	501	11.19	0.65	DUR	Advanced
NCenSJV	APB 540165	1827	7490	501	11.19	0.65	DUR	Advanced
NCenSJV	LCS 12E4006	1832	7275	501	10.59	0.65	DUR	Advanced
NCenSJV	LCS 13SD0056	1833	7387	501	10.7	0.65	DUR	Advanced

Table 30. 2014-2016 Durum Wheat Yield and Protein Summary, South San Joaquin Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
SoSJV	WWW-DURAKING	878	6130	638	13.68	2.17	Dur	Released
SoSJV	APB-KRONOS	951	6033	609	13.53	2.13	Dur	Released
SoSJV	WWW-CROWN	1166	5916	638	13.52	2.17	Dur	Released
SoSJV	WWW-PLATINUM	1210	6072	638	13.82	2.17	Dur	Released
SoSJV	WWW-TOPPER	1211	5339	638	13.42	2.17	Dur	Released
SoSJV	WB-ORITA	1215	5639	609	14.44	2.13	Dur	Released
SoSJV	UC-DESERT KING	1375	6424	609	14.48	2.13	Dur	Released
SoSJV	SY-FORTISSIMO	1429	5242	609	14.51	2.13	Dur	Released
SoSJV	SY-VOLANTE	1431	5815	609	14.15	2.13	Dur	Released
SoSJV	APB-HELIOS	1440	6580	628	12.99	2.14	Dur	Released
SoSJV	WWW-Q-MAX	1473	4890	638	13.99	2.17	Dur	Released
SoSJV	WB-HAVASU	1479	6132	609	13.71	2.13	Dur	Released
SoSJV	APB-WESTMORE HP	1484	6092	609	13.99	2.13	Dur	Released
SoSJV	AS-MAESTRALE	1582	6021	609	13.05	2.13	Dur	Released
SoSJV	AS-SARAGOLLA	1583	4899	609	13.54	2.13	Dur	Released
SoSJV	UC-TIPAI	1585	6681	704	14.1	2.17	Dur	Released
SoSJV	WB-MEAD	1607	4661	609	15.05	2.13	Dur	Released
SoSJV	UC-DESERT KING-HP	1627	5576	609	14.82	2.13	Dur	Released
SoSJV	APB-TIBURON	1640	6464	609	13.58	2.13	Dur	Released
SoSJV	WB-MOHAVE	1654	6453	609	13.57	2.13	Dur	Released
SoSJV	UC-MIWOK	1690	6522	609	14.15	2.13	Dur	Released
SoSJV	LCS-KIKO	1697	6965	609	13.11	2.13	Dur	Released
SoSJV	LCS ATHORIS	1698	6912	704	12.42	2.17	Dur	Advanced
SoSJV	LCS-ALIRON	1721	5838	638	13.36	2.17	Dur	Advanced
SoSJV	WWW D2517	1733	6682	704	12.91	2.17	Dur	Advanced
SoSJV	UC 1756	1756	7360	704	13.29	2.17	Dur	Advanced
SoSJV	UC 1758	1758	5331	704	15.18	2.17	Dur	Advanced
SoSJV	UC 13210-5	1770	6624	638	13.19	2.17	Dur	Advanced
SoSJV	UC 13210-21	1771	6900	638	13.77	2.17	Dur	Advanced
SoSJV	WWW D2517Bell025	1776	6370	638	14.12	2.17	Dur	Advanced
SoSJV	APB 11705	1782	7081	704	12.38	2.17	Dur	Advanced
SoSJV	APB 11907	1783	5668	704	13.5	2.17	Dur	Advanced
SoSJV	APB 11908	1784	6631	704	12.73	2.17	Dur	Advanced
SoSJV	APB 11710	1785	6536	704	13.36	2.17	Dur	Advanced
SoSJV	KAMUT	1786	212	704	16.24	2.17	Dur	Advanced
SoSJV	UC 1796	1796	6909	628	13.64	2.14	Dur	Advanced
SoSJV	UC 14215/11	1797	6976	704	-	-	Dur	Advanced
SoSJV	UC 14215/14	1798	5866	704	-	-	Dur	Advanced
SoSJV	UC 14215/42	1799	5762	704	-	-	Dur	Advanced
SoSJV	AS COLOMBO	1800	4675	704	-	-	Dur	Released
SoSJV	WWW D3085	1801	5384	704	-	-	Dur	
SoSJV	APB 571217	1810	6731	628	13.68	2.14	Dur	Advanced
SoSJV	APB 571353	1812	6248	673	13.36	2.14	Dur	Advanced
SoSJV	APB 335	1813	5647	628	14.4	2.14	Dur	Advanced
SoSJV	APB 540505	1822	7194	673	12.97	2.14	DUR	Advanced
SoSJV	APB 410077	1823	6694	673	13.36	2.14	DUR	Advanced
SoSJV	UC 15210-11	1824	5620	673	14.15	2.14	DUR	Advanced
SoSJV	UC 15210-12	1825	5677	673	14.74	2.14	DUR	Advanced
SoSJV	UC 15210-24	1826	6200	673	13.02	2.14	DUR	Advanced
SoSJV	APB 540165	1827	6519	673	13.65	2.14	DUR	Advanced
SoSJV	LCS 12E4006	1832	4757	673	14.54	2.14	DUR	Advanced
SoSJV	LCS 13SD0056	1833	4701	673	14.28	2.14	DUR	Advanced

Table 31. 2014-2016 Durum Wheat Yield and Protein Summary, Imperial Valley.

Region	Name	UC Number	Yield (lb/acre)	Yield (SE)	Protein (%)	Protein (SE)	Type	Status
ImpV	WWW-DURAKING	878	7131	279	13.1	1.1	Dur	Released
ImpV	APB-KRONOS	951	6585	256	14.08	1.09	Dur	Released
ImpV	WWW-CROWN	1166	6948	279	14.09	1.1	Dur	Released
ImpV	WWW-PLATINUM	1210	6501	279	13.22	1.1	Dur	Released
ImpV	WWW-TOPPER	1211	6895	279	12.89	1.1	Dur	Released
ImpV	WB-ORITA	1215	6860	256	14.24	1.09	Dur	Released
ImpV	UC-DESERT KING	1375	6768	256	14.05	1.09	Dur	Released
ImpV	SY-FORTISSIMO	1429	6776	256	13.75	1.09	Dur	Released
ImpV	SY-VOLANTE	1431	6821	256	12.88	1.09	Dur	Released
ImpV	APB-HELIOS	1440	6299	279	14.06	1.09	Dur	Released
ImpV	WWW-Q-MAX	1473	6575	279	13.85	1.1	Dur	Released
ImpV	WB-HAVASU	1479	6030	256	14.32	1.09	Dur	Released
ImpV	APB-WESTMORE HP	1484	6230	256	14.62	1.09	Dur	Released
ImpV	AS-MAESTRALE	1582	5632	271	13.47	1.1	Dur	Released
ImpV	AS-SARAGOLLA	1583	6386	256	13.03	1.09	Dur	Released
ImpV	UC-TIPAI	1585	7562	338	12.97	1.13	Dur	Released
ImpV	WB-MEAD	1607	6649	256	14.42	1.09	Dur	Released
ImpV	UC-DESERT KING-HP	1627	6164	256	15.05	1.09	Dur	Released
ImpV	APB-TIBURON	1640	6890	256	13.88	1.09	Dur	Released
ImpV	WB-MOHAVE	1654	6628	256	14.37	1.09	Dur	Released
ImpV	WB YU807-115	1655	6987	338	13.51	1.13	Dur	
ImpV	UC-MIWOK	1690	7122	256	13.84	1.09	Dur	Released
ImpV	LCS-KIKO	1697	6678	256	12.99	1.09	Dur	Released
ImpV	LCS ATHORIS	1698	6492	338	12.57	1.13	Dur	Advanced
ImpV	LCS-ALIRON	1721	6807	279	12.41	1.1	Dur	Advanced
ImpV	WWW D2517	1733	6997	338	11.96	1.13	Dur	Advanced
ImpV	UC 1756	1756	6681	338	13.92	1.13	Dur	Advanced
ImpV	UC 1758	1758	6372	338	14.74	1.13	Dur	Advanced
ImpV	UC 13210-5	1770	7402	279	13.01	1.1	Dur	Advanced
ImpV	UC 13210-21	1771	7673	279	13.19	1.1	Dur	Advanced
ImpV	WWW D2517Bell025	1776	6259	279	14.23	1.1	Dur	Advanced
ImpV	APB 11705	1782	6869	338	12.12	1.13	Dur	Advanced
ImpV	APB 11907	1783	6800	338	13.06	1.13	Dur	Advanced
ImpV	APB 11908	1784	6471	338	11.93	1.13	Dur	Advanced
ImpV	APB 11710	1785	6797	338	13.69	1.13	Dur	Advanced
ImpV	KAMUT	1786	2940	279	16.21	1.1	Dur	Advanced
ImpV	UC 1796	1796	7189	279	13.91	1.09	Dur	Advanced
ImpV	UC 14215/11	1797	6741	337	13.84	1.13	Dur	Advanced
ImpV	UC 14215/14	1798	7023	337	13.28	1.13	Dur	Advanced
ImpV	UC 14215/42	1799	6886	337	13.6	1.13	Dur	Advanced
ImpV	AS COLOMBO	1800	6505	337	13.31	1.13	Dur	Released
ImpV	WWW D3085	1801	7432	337	12.47	1.13	Dur	
ImpV	APB 571217	1810	6951	279	13.79	1.09	Dur	Advanced
ImpV	APB 571189	1811	7110	337	12.41	1.13	Dur	Advanced
ImpV	APB 571353	1812	6791	279	13.38	1.09	Dur	Advanced
ImpV	APB 335	1813	6776	279	13.94	1.09	Dur	Advanced
ImpV	APB 540505	1822	6672	339	13.91	1.1	DUR	Advanced
ImpV	APB 410077	1823	6267	339	14.04	1.1	DUR	Advanced
ImpV	UC 15210-11	1824	6533	339	14.01	1.1	DUR	Advanced
ImpV	UC 15210-12	1825	6481	339	14.18	1.1	DUR	Advanced
ImpV	UC 15210-24	1826	6826	339	13.7	1.1	DUR	Advanced
ImpV	APB 540165	1827	6665	339	13.72	1.1	DUR	Advanced
ImpV	LCS 12E4006	1832	7452	339	12.9	1.1	DUR	Advanced
ImpV	LCS 13SD0056	1833	6828	339	12.8	1.1	DUR	Advanced

Table 32. 2016 Common Wheat & Triticale, Clarksburg

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
CLARKSBURG	ANZA	20	HRS	Released	5934	630	10.19	32	10.78	0.02	1.79	39	64	36.4	34	1	1	-	-	-	-	-	-	-
CLARKSBURG	CAL ROJO	1478	HRS	Released	6541	320	10.19	18	11.24	0.22	1.79	36	61.4	40.8	31.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC-LASSIK	1495	HRS	Released	6837	642	10.19	7	11.56	0.36	1.79	28	63.7	37.6	32	1.5	1	-	-	-	-	-	-	-
CLARKSBURG	REDWING	1521	HRS	Released	6888	367	10.19	6	11.56	0.3	1.79	28	61.7	42.3	30	1	1	-	-	-	-	-	-	-
CLARKSBURG	BLANCA ROYALE	1522	HWS	Released	6466	721	10.19	20	11.61	0.12	1.79	25	62.2	38.2	33.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	TRIPLE IV	1550	HRS	Released	4647	831	10.19	46	11.93	0.37	1.79	13	63.2	44.4	37	1.2	1	-	-	-	-	-	-	-
CLARKSBURG	ULTRA	1590	HRS	Released	6908	479	10.19	5	11.25	0.23	1.79	35	64.6	40.6	31	1	1	-	-	-	-	-	-	-
CLARKSBURG	FV 2808	1608	HRS	Released	5815	444	10.19	35	10.42	0.2	1.79	40	62.9	38.1	41	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-ROCKLAND	1650	HRS	Released	5067	814	10.19	44	13.35	0.46	1.79	2	63.3	27.2	31	1	1	-	-	-	-	-	-	-
CLARKSBURG	SY-BLANCA GRANDE 515	1657	HWS	Released	6008	760	10.19	29	12.82	0.17	1.79	4	65.4	40.8	37.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	SUMMIT 515	1658	HRS	Released	6556	551	10.19	17	11.7	0.28	1.79	18	64.3	38.5	36	1	1	-	-	-	-	-	-	-
CLARKSBURG	SY 314	1660	HRS	Released	6387	579	10.19	22	11.47	0.16	1.79	29	62	40.2	34.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	NEW DIRKWIN	1667	SWS	Released	4234	689	10.19	48	11.64	0.31	1.79	24	58.8	36.7	35.5	2.5	1	-	-	-	-	-	-	-
CLARKSBURG	UC-PATWIN 515	1680	HWS	Released	6092	1416	10.19	28	11.91	0.41	1.79	14	56.6	38.4	29	1	1	-	-	-	-	-	-	-
CLARKSBURG	LCS-STAR	1688	HWS	Released	6144	1008	10.19	27	11.66	0.11	1.79	20	63.9	35.5	38	1.5	1	-	-	-	-	-	-	-
CLARKSBURG	LG ATOMO	1723	HWS	Released	7523	520	10.19	1	11.03	0.18	1.79	38	65.5	41.3	35.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-JOQUIN ORO	1728	HRS	Released	5288	1130	10.19	42	13.85	0.16	1.79	1	64.3	46	33.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-9229	1730	HRS	Released	6267	246	10.19	24	12.76	0.03	1.79	6	64.4	44	32.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-PATRON	1731	HRS	Released	5927	1029	10.19	33	12.07	0.35	1.79	12	63.6	41.7	38	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC-PATWIN 515HP	1743	HWS	Released	5800	664	10.19	36	12.64	0.2	1.79	8	61.9	37.1	31	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC-YUROK	1745	HRS	Released	6602	258	10.19	14	11.79	0.28	1.79	16	64.6	36.6	34.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB SJ909-368	1748	HRS	Advanced	6337	408	10.19	23	12.6	0.22	1.79	9	63.8	40.7	33.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-7618	1749	HWS	Released	6474	524	10.19	19	12.65	0.16	1.79	7	63.4	38.2	35	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB DA908-306	1750	HWS	Advanced	6672	351	10.19	12	11.69	0.13	1.79	19	65.1	22.1	38.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB 9904	1751	HRS	Advanced	6748	439	10.19	8	11.66	0.09	1.79	22	63.5	51.9	39	1	1	-	-	-	-	-	-	-
CLARKSBURG	SY-VACA	1766	SRS	Released	5997	162	10.19	30	10.19	0.35	1.79	41	60.4	27.2	41	1.2	1	-	-	-	-	-	-	-
CLARKSBURG	Tx06V7266E	1778	SRS	Advanced	5303	1228	10.19	41	11.42	0.1	1.79	30	61.9	35.6	40.5	1.5	1	-	-	-	-	-	-	-
CLARKSBURG	WB-7566	1802	HWS	Advanced	6460	643	10.19	21	11.37	0.08	1.79	32	63.3	46.6	36	1.2	1.5	-	-	-	-	-	-	-
CLARKSBURG	APB 501189	1807	HRS	Advanced	5319	615	10.19	40	11.61	0.23	1.79	26	62.1	39.1	34	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC 15010-5	1814	HRS	Advanced	6597	137	10.19	15	12.12	0.2	1.79	11	61.7	35.4	32	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC 15010-27	1815	HWS	Advanced	6684	423	10.19	11	11.65	0.19	1.79	23	61.7	39.3	35.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC 15013-15	1816	HWS	Advanced	7001	421	10.19	4	11.13	0.22	1.79	37	65.7	40.8	33	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC 15014-4	1817	HRS	Advanced	6576	530	10.19	16	12.12	0.14	1.79	10	64.6	42.4	34	1	1	-	-	-	-	-	-	-
CLARKSBURG	UC 15014-35	1818	HRS	Advanced	5625	711	10.19	39	12.97	0.54	1.79	3	64.5	36.2	38	1	1	-	-	-	-	-	-	-
CLARKSBURG	APB 500709	1819	HRS	Advanced	6742	352	10.19	9	11.81	0.34	1.79	15	62.6	36.7	34	1	1	-	-	-	-	-	-	-
CLARKSBURG	APB 501129	1820		Advanced	6638	497	10.19	13	11.38	0.09	1.79	31	61.7	39.7	29	1	1	-	-	-	-	-	-	-
CLARKSBURG	APB 8238	1821		Advanced	7101	202	10.19	2	11.73	0.1	1.79	17	62.6	40.7	34.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	APB 501089	1828	HRS	Advanced	6266	680	10.19	25	11.34	0.07	1.79	33	61.3	22.1	29.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	APB 8155	1829		Advanced	5707	1201	10.19	37	12.77	0.19	1.79	5	63.2	45	34.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	LCS 12S80197	1830	HRS	Advanced	5917	1412	10.19	34	11.27	0.14	1.79	34	62.2	41.7	39	1.5	1	-	-	-	-	-	-	-
CLARKSBURG	LCS 12S80224	1831	HWS	Advanced	6708	580	10.19	10	11.66	0.14	1.79	22	62.5	36.2	32.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	TRICAL 105	3097	TRIT	Released	4875	494	10.19	45	-	-	-	-	59.8	46.9	42.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	WB-PACHECO	3164	TRIT	Released	5970	292	10.19	31	-	-	-	-	61	44.2	39.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	CAMELOT	3168	TRIT	Released	5683	801	10.19	38	-	-	-	-	59.6	41.8	40	1.2	1	-	-	-	-	-	-	-
CLARKSBURG	SY 158T	3169	TRIT		6244	768	10.19	26	-	-	-	-	60.8	38.3	37	1	1	-	-	-	-	-	-	-
CLARKSBURG	SY 115T	3170	TRIT		5168	540	10.19	43	-	-	-	-	59.9	39.5	38.5	1	1	-	-	-	-	-	-	-
CLARKSBURG	PRL 011TS-429	3177	TRIT		4548	710	10.19	47	-	-	-	-	58.8	35.4	48	4.2	1	-	-	-	-	-	-	-
CLARKSBURG	NS 10T50020	3178	TRIT		7092	416	10.19	3	-	-	-	-	58.3	41.8	34	1	1	-	-	-	-	-	-	-
CLARKSBURG	NS 10T70126	3179	TRIT		2681	-	10.19	49	-	-	-	-	55.2	-	57	8	1	-	-	-	-	-	-	-

Table 33. 2016 Common Wheat & Triticale, Colusa.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
COLUSA	ANZA	20	HRS	Released	5978	456	9.14	39	11.6	0.09	2.54	40	62.6	36.7	35.5	6.5	1	1.8	-	1	-	-	-	-
COLUSA	CAL ROJO	1478	HRS	Released	7838	1163	9.14	2	12.62	0.37	2.54	25	63.3	48.4	33	1.8	1	1	-	2.2	-	-	-	-
COLUSA	UC-LASSIK	1495	HRS	Released	5719	929	9.14	42	12.2	0.27	2.54	37	60.7	38.4	33.5	6	1	1	-	1	-	-	-	-
COLUSA	REDWING	1521	HRS	Released	6573	260	9.14	22	12.57	0.26	2.54	29	61.4	45.1	34.5	1.8	1	1.8	-	3	-	-	-	-
COLUSA	BLANCA ROYALE	1522	HWS	Released	6164	1025	9.14	34	12.49	0.38	2.54	33	60.8	41.3	30	3.5	1	1	-	2.8	-	-	-	-
COLUSA	TRIPLE IV	1550	HRS	Released	3780	372	9.14	49	13.5	0.11	2.54	8	-	44.1	34	8	1	2.3	-	3.3	-	-	-	-
COLUSA	ULTRA	1590	HRS	Released	6443	436	9.14	26	12.88	0.35	2.54	17	62.5	45.7	33.5	2.2	1	2	-	3	-	-	-	-
COLUSA	FV 2808	1608	HRS	Released	6227	732	9.14	32	10.81	0.14	2.54	41	62.4	37.7	39	4.8	1	2.2	-	1	-	-	-	-
COLUSA	WB-ROCKLAND	1650	HRS	Released	6108	235	9.14	36	14.42	0.14	2.54	3	64.3	47.9	31.5	1	1	1.8	-	1.2	-	-	-	-
COLUSA	SY-BLANCA GRANDE 515	1657	HWS	Released	5699	300	9.14	43	13.53	0.4	2.54	7	63.5	45.9	32	6.5	1	2	-	2.5	-	-	-	-
COLUSA	SUMMIT 515	1658	HRS	Released	7123	716	9.14	7	12.91	0.17	2.54	16	62.2	43.1	33.5	1	1	2	-	1.2	-	-	-	-
COLUSA	SY 314	1660	HRS	Released	6685	643	9.14	18	12.59	0.64	2.54	27	61.2	43.3	34	2	1	1.2	-	2.8	-	-	-	-
COLUSA	NEW DIRKWIN	1667	SWS	Released	4050	472	9.14	48	12.52	0.21	2.54	31	57.8	33.7	41	4	1	1	-	1.2	-	-	-	-
COLUSA	UC-PATWIN 515	1680	HWS	Released	6672	635	9.14	19	13.16	0.46	2.54	13	59.9	43.9	31.5	1	1	1	-	1.5	-	-	-	-
COLUSA	LCS-STAR	1688	HWS	Released	6124	460	9.14	35	12.69	0.54	2.54	21	60.8	40.9	32	5.8	1	1	-	1.5	-	-	-	-
COLUSA	LG ATOMO	1723	HWS	Released	7261	474	9.14	5	12.84	0.08	2.54	18	63.4	43.1	32	1.2	1	1.5	-	1.8	-	-	-	-
COLUSA	WB-JOAQUIN ORO	1728	HRS	Released	4886	821	9.14	47	14.84	0.13	2.54	1	62.9	46.8	27.5	2	1	2.2	-	3	-	-	-	-
COLUSA	WB-9229	1730	HRS	Released	6456	623	9.14	25	13.64	0.32	2.54	6	62.9	47.8	31.5	1.8	1	1.2	-	1.5	-	-	-	-
COLUSA	WB-PATRON	1731	HRS	Released	6541	317	9.14	23	13.06	0.11	2.54	15	-	50	37	2	1	2	-	1.2	-	-	-	-
COLUSA	UC-PATWIN 515HP	1743	HWS	Released	7015	683	9.14	8	13.67	0.02	2.54	5	61.4	40.5	30	1	1	1.2	-	2.2	-	-	-	-
COLUSA	UC-YUROK	1745	HRS	Released	5912	387	9.14	41	12.5	0.21	2.54	32	62.9	45.5	34	4.2	1	1.8	-	1	-	-	-	-
COLUSA	WB SJ909-368	1748	HRS	Advanced	6384	572	9.14	28	13.49	0.12	2.54	9	63.4	43.7	31	1.2	1	2	-	2	-	-	-	-
COLUSA	WB-7618	1749	HWS	Released	6717	554	9.14	16	13.47	0.19	2.54	10	63	46	33.5	1.8	1	1.2	-	1.5	-	-	-	-
COLUSA	WB DA908-306	1750	HWS	Advanced	6303	902	9.14	29	12.65	0.24	2.54	23	63.7	51.6	37	1.2	1	1.5	-	2	-	-	-	-
COLUSA	WB 9904	1751	HRS	Advanced	6663	265	9.14	21	11.93	0.16	2.54	39	62.8	52.9	36.5	2.8	1	2	-	1	-	-	-	-
COLUSA	SY-VACA	1766	SRS	Released	5231	604	9.14	44	12.49	0.6	2.54	34	55.2	42.6	39	5.2	1	1.5	-	1	-	-	-	-
COLUSA	Tx06V7266E	1778	SRS	Advanced	6669	798	9.14	20	12.63	0.36	2.54	24	58.3	33.1	38.5	1.5	1	1.5	-	1	-	-	-	-
COLUSA	WB-7566	1802	HWS	Advanced	7467	652	9.14	4	12.45	0.06	2.54	35	61.6	50.3	34	3	1	1	-	1.2	-	-	-	-
COLUSA	APB 501189	1807	HRS	Advanced	6085	109	9.14	38	13.09	0.39	2.54	14	62.9	45.7	29	6.2	1	4	-	2.2	-	-	-	-
COLUSA	UC 15010-5	1814	HRS	Advanced	6998	418	9.14	10	13.28	0.47	2.54	12	62.9	47.9	34.5	1.8	1	1.5	-	1.8	-	-	-	-
COLUSA	UC 15010-27	1815	HWS	Advanced	6427	681	9.14	27	13.39	0.17	2.54	11	60.2	46.6	32	1	1	2	-	2.5	-	-	-	-
COLUSA	UC 15013-15	1816	HWS	Advanced	6868	515	9.14	13	12.57	0.43	2.54	28	62.9	47.5	31	1.5	1	2	-	2	-	-	-	-
COLUSA	UC 15014-4	1817	HRS	Advanced	6756	770	9.14	14	12.2	1.97	2.54	36	63.8	49.5	30.5	1	1	2	-	1	-	-	-	-
COLUSA	UC 15014-35	1818	HRS	Advanced	5955	246	9.14	40	14.42	0.26	2.54	2	63.6	40.4	35	4.5	1	1	-	1	-	-	-	-
COLUSA	APB 500709	1819	HRS	Advanced	6280	519	9.14	30	12.84	0.21	2.54	18	62.1	38.9	29.5	4.5	1	2.2	-	1.2	-	-	-	-
COLUSA	APB 501129	1820		Advanced	6278	299	9.14	31	12.57	0.15	2.54	30	60.2	43.2	30	1.8	1	1.5	-	3	-	-	-	-
COLUSA	APB 8238	1821		Advanced	6094	715	9.14	37	12.69	0.01	2.54	22	61.1	41	33	4.3	1	2.3	-	3.3	-	-	-	-
COLUSA	APB 501089	1828	HRS	Advanced	6513	882	9.14	24	12.59	0.34	2.54	26	60.3	43.3	30.5	2.5	1	1.2	-	2.8	-	-	-	-
COLUSA	APB 8155	1829		Advanced	6169	562	9.14	33	13.82	0.66	2.54	4	63.6	45.7	30	2.8	1	1.5	-	2	-	-	-	-
COLUSA	LCS 12S80197	1830	HRS	Advanced	7015	487	9.14	9	12.75	1.11	2.54	20	61.1	41.9	38	3.5	1	1.2	-	1	-	-	-	-
COLUSA	LCS 12S80224	1831	HWS	Advanced	6946	335	9.14	12	12.13	0.11	2.54	38	61.8	43.3	34.5	4	1	1.2	-	1	-	-	-	-
COLUSA	TRICAL 105	3097	TRIT	Released	7135	408	9.14	6	-	-	-	-	60	46.3	42.5	2	1	1	-	1	-	-	-	-
COLUSA	WB-PACHECO	3164	TRIT	Released	8133	761	9.14	1	-	-	-	-	60.1	46	40	1	1	1	-	1	-	-	-	-
COLUSA	CAMELOT	3168	TRIT	Released	6701	300	9.14	17	-	-	-	-	57	42.5	38.5	1	1	1	-	1	-	-	-	-
COLUSA	SY 158T	3169	TRIT		6739	1653	9.14	15	-	-	-	-	59	40.2	37.5	2.5	1	1	-	1	-	-	-	-
COLUSA	SY 115T	3170	TRIT		6990	451	9.14	11	-	-	-	-	58.3	40.3	35	1	1	1	-	1	-	-	-	-
COLUSA	PRL 011TS-429	3177	TRIT		4962	482	9.14	46	-	-	-	-	54.4	39.5	41	7.2	1	1	-	1	-	-	-	-
COLUSA	NS 10T50020	3178	TRIT		7826	735	9.14	3	-	-	-	-	55.2	39	36	1	1	1	-	1	-	-	-	-
COLUSA	NS 10T70126	3179	TRIT		5014	758	9.14	45	-	-	-	-	51.3	34.9	47	3.5	1	1	-	1	-	-	-	-

Table 34. 2016 Common Wheat & Triticale, Davis (Irrigated).

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
DAVIS	ANZA	20	HRS	Released	4599	438	10.76	46	11.3	0.1	2.28	40	62.4	29.1	36	1	-	1.5	-	1	-	-	30.5	76
DAVIS	CAL ROJO	1478	HRS	Released	5341	608	10.76	38	13.62	0.18	2.28	10	61.1	45.4	31	1	-	1	-	1	-	-	24.2	72.5
DAVIS	UC-LASSIK	1495	HRS	Released	5497	407	10.76	35	12.38	0.19	2.28	36	61.1	35.7	35	2.2	-	1	-	1	-	-	28.2	74.5
DAVIS	REDWING	1521	HRS	Released	6158	692	10.76	22	13	0.34	2.28	22	61.3	39	34.5	1	-	1	-	1	-	-	26	72.8
DAVIS	BLANCA ROYALE	1522	HWS	Released	6278	231	10.76	17	12.78	0.19	2.28	30	62.3	41.9	35	1.5	-	1	-	1	-	-	25.8	70
DAVIS	TRIPLE IV	1550	HRS	Released	4833	266	10.76	44	12.8	0.27	2.28	28	61.6	42.9	37.5	4	-	1.5	-	1	-	-	22.2	69.2
DAVIS	ULTRA	1590	HRS	Released	6126	1160	10.76	23	13.57	0.2	2.28	11	62.8	41.3	34.5	1	-	1	-	1	-	-	25.2	75.5
DAVIS	FV 2808	1608	HRS	Released	5098	538	10.76	41	11.16	0.32	2.28	41	61.9	41.8	41.5	3.5	-	1.5	-	1	-	-	31.8	74.5
DAVIS	WB-ROCKLAND	1650	HRS	Released	5262	240	10.76	39	14.12	0.28	2.28	4	62.2	42.6	32	1	-	1	-	1	-	-	24.2	68.8
DAVIS	SY-BLANCA GRANDE 515	1657	HWS	Released	5401	722	10.76	36	13.72	0.27	2.28	9	63.2	45.4	39	1	-	1	-	1	-	-	23.7	70.3
DAVIS	SUMMIT 515	1658	HRS	Released	6432	187	10.76	15	12.89	0.45	2.28	24	61.2	38.3	34.5	1	-	1	-	1	-	-	27.2	71.5
DAVIS	SY 314	1660	HRS	Released	5374	344	10.76	37	12.84	0.41	2.28	26	59.9	33.8	36	1	-	1	-	1	-	-	26.5	72.5
DAVIS	NEW DIRKWIN	1667	SWS	Released	2588	121	10.76	49	13.05	0.15	2.28	21	53.2	-	42	2	-	1	-	1	-	-	50.3	98
DAVIS	UC-PATWIN 515	1680	HWS	Released	6001	335	10.76	28	13.43	0.23	2.28	15	61.3	34.3	33	1	-	1	-	1	-	-	30.2	75.2
DAVIS	LCS-STAR	1688	HWS	Released	6418	364	10.76	16	13.22	0.43	2.28	17	62.5	35.5	36.5	3.5	-	1	-	1	-	-	24.5	73.5
DAVIS	LG ATOMO	1723	HWS	Released	6593	479	10.76	14	12.84	0.35	2.28	27	62.9	41.8	35.5	1.5	-	1.2	-	1	-	-	24.2	68.8
DAVIS	WB-JOAQUIN ORO	1728	HRS	Released	5787	328	10.76	31	14.18	0.41	2.28	3	61.9	41.8	33.5	1	-	1	-	1.5	-	-	23.2	71.2
DAVIS	WB-9229	1730	HRS	Released	5699	416	10.76	34	14.06	0.06	2.28	5	62.8	38.5	36	1	-	1	-	1	-	-	24.8	71.5
DAVIS	WB-PATRON	1731	HRS	Released	5070	769	10.76	42	13.88	0.63	2.28	7	61.7	43.7	41	1.5	-	1	-	1	-	-	24.5	69.8
DAVIS	UC-PATWIN 515HP	1743	HWS	Released	7980	2943	10.76	1	14.76	0.38	2.28	1	61.2	36.8	35	1	-	1	-	1.2	-	-	24.5	67
DAVIS	UC-YUROK	1745	HRS	Released	5825	310	10.76	30	12.49	0.17	2.28	35	63.1	37.5	38.5	1	-	1	-	1	-	-	30	74
DAVIS	WB SJ909-368	1748	HRS	Advanced	6198	438	10.76	21	13.5	0.58	2.28	13	59.7	37	35	1	-	1	-	1	-	-	23	70
DAVIS	WB-7618	1749	HWS	Released	6272	686	10.76	18	13.74	0.19	2.28	8	62.6	36.8	35.5	1	-	1	-	1.2	-	-	23	71.2
DAVIS	WB DA908-306	1750	HWS	Advanced	7097	2386	10.76	5	12.96	0.47	2.28	23	63.4	46	36.5	1.5	-	1	-	1	-	-	25.2	74.2
DAVIS	WB 9904	1751	HRS	Advanced	5063	911	10.76	43	12.78	0.03	2.28	29	60.9	48.4	42	1.2	-	1	-	1	-	-	27.5	74.2
DAVIS	SY-VACA	1766	SRS	Released	3299	662	10.76	48	12.57	0.58	2.28	33	55.5	31.5	37.5	1	-	1	-	1	-	-	52.8	102
DAVIS	Tx06V7266E	1778	SRS	Advanced	6092	581	10.76	26	11.99	0.64	2.28	39	60	28.1	41.5	1.5	-	1	-	1	-	-	45	90.2
DAVIS	WB-7566	1802	HWS	Advanced	7021	226	10.76	6	12.54	0.21	2.28	34	63.3	44.6	40	1.2	-	1	-	1	-	-	29.8	78.5
DAVIS	APB 501189	1807	HRS	Advanced	4803	915	10.76	45	13.34	0.19	2.28	16	60.4	34	34.5	1	-	1.5	-	1	-	-	24.5	69.5
DAVIS	UC 15010-5	1814	HRS	Advanced	6942	1572	10.76	7	13.52	0.11	2.28	12	61.3	41	33	1	-	1	-	1	-	-	31	70.5
DAVIS	UC 15010-27	1815	HWS	Advanced	6934	261	10.76	8	12.74	0.2	2.28	32	62.4	45.3	38	1	-	1	-	1	-	-	28.2	75.2
DAVIS	UC 15013-15	1816	HWS	Advanced	6756	444	10.76	11	12.31	0.17	2.28	38	65.1	41.2	36.5	1	-	1	-	1	-	-	25.2	74.2
DAVIS	UC 15014-4	1817	HRS	Advanced	6616	437	10.76	13	13.14	0.17	2.28	18	62.8	42.2	35	1	-	1	-	1	-	-	25.8	73
DAVIS	UC 15014-35	1818	HRS	Advanced	5709	366	10.76	33	14.41	0.64	2.28	2	63.4	33.9	40	1.5	-	1	-	1	-	-	25.8	68.2
DAVIS	APB 500709	1819	HRS	Advanced	6052	712	10.76	27	13.45	0.63	2.28	14	61.9	36	36	1	-	1	-	1	-	-	24.2	74.2
DAVIS	APB 501129	1820		Advanced	6098	395	10.76	25	13.11	0.14	2.28	20	61.1	42	34	1	-	1	-	1.2	-	-	25	73.5
DAVIS	APB 8238	1821		Advanced	6199	478	10.76	20	13.13	0.09	2.28	19	61.9	39.9	34.5	1	-	1	-	1	-	-	25.2	70
DAVIS	APB 501089	1828	HRS	Advanced	5769	526	10.76	32	12.88	0.54	2.28	25	61.4	37	30	1	-	1	-	1	-	-	25	70
DAVIS	APB 8155	1829		Advanced	5169	507	10.76	40	14.03	0.03	2.28	6	62.8	43.7	38.5	1	-	1	-	2	-	-	25	70.8
DAVIS	LCS 125B0197	1830	HRS	Advanced	6258	567	10.76	19	12.37	0.15	2.28	37	61.7	38.2	38	1.5	-	1	-	1.2	-	-	25.8	77
DAVIS	LCS 125B0224	1831	HWS	Advanced	6125	415	10.76	24	12.76	0.49	2.28	31	61.1	38.4	37	1	-	1	-	1	-	-	26.8	74
DAVIS	TRICAL 105	3097	TRIT	Released	5900	514	10.76	29	-	-	-	-	58.6	46.8	43	1.2	-	1	-	1	-	-	25	80
DAVIS	WB-PACHECO	3164	TRIT	Released	6900	1267	10.76	10	-	-	-	-	60.4	50.8	40.5	1	-	1	-	1	-	-	25.2	78
DAVIS	CAMELOT	3168	TRIT	Released	7262	348	10.76	4	-	-	-	-	57.9	47.6	43.5	1	-	1	-	1	-	-	24.8	77.5
DAVIS	SY 158T	3169	TRIT		7277	301	10.76	3	-	-	-	-	61	43.1	42.5	1	-	1	-	1	-	-	25.2	73.2
DAVIS	SY 115T	3170	TRIT		6651	197	10.76	12	-	-	-	-	59.4	42.2	38	1	-	1	-	1	-	-	29.2	78
DAVIS	PRL 011TS-429	3177	TRIT		6915	1194	10.76	9	-	-	-	-	57.8	32.1	46.5	4.2	-	1	-	1	-	-	24	75.5
DAVIS	NS 10T50020	3178	TRIT		7781	1010	10.76	2	-	-	-	-	58.2	46.7	36.5	1	-	1	-	1	-	-	26	76
DAVIS	NS 10T70126	3179	TRIT		3943	1144	10.76	47	-	-	-	-	50.3	21.4	51	3	-	1	-	1	-	-	52.8	101.8

Table 35. 2016 Common Wheat & Triticale, Davis (Rainfed).

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev Yield	Yield CV%	Yield rank	Protein (%)	Stdev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
DAVIS_RF	ANZA	20	HRS	Released	4406	2059	10.52	40	11.33	0.42	4.13	41	61	25.4	38.5	1.8	1	5.5	-	1.2	-	-	32.8	69.2
DAVIS_RF	CAL ROJO	1478	HRS	Released	4324	1072	10.52	43	12.69	0.47	4.13	17	61.4	30.4	32	1	1	1	-	1.5	-	-	24.5	67
DAVIS_RF	UC-LASSIK	1495	HRS	Released	4905	824	10.52	32	11.72	0.79	4.13	39	62.3	28.4	37	1	1	1	-	1	-	-	30.8	68
DAVIS_RF	REDWING	1521	HRS	Released	5003	271	10.52	30	12.9	0.21	4.13	12	59	38.6	34	1	1	2	-	1.8	-	-	28	69.5
DAVIS_RF	BLANCA ROYALE	1522	HWS	Released	5480	396	10.52	14	12.54	0.86	4.13	21	62.4	35.8	36.5	2	1	1	-	2.2	-	-	24	68.8
DAVIS_RF	TRIPLE IV	1550	HRS	Released	4224	412	10.52	44	12.14	0.33	4.13	32	59.8	37.7	37.5	3.5	1	4.2	-	2.8	-	-	18	65
DAVIS_RF	ULTRA	1590	HRS	Released	5116	398	10.52	26	12.47	0.62	4.13	23	63	36.1	34.5	1	1	1.8	-	1.2	-	-	24.2	67.8
DAVIS_RF	FV 2808	1608	HRS	Released	4140	385	10.52	45	11.46	0.44	4.13	40	59.8	31.4	40	3	1	3	-	1.5	-	-	32.2	-10424.8
DAVIS_RF	WB-ROCKLAND	1650	HRS	Released	4948	349	10.52	31	14.18	0.24	4.13	1	62.1	38.8	33	1	1	1	-	1.2	-	-	26	69.5
DAVIS_RF	SY-BLANCA GRANDE 515	1657	HWS	Released	5415	315	10.52	16	13.22	0.26	4.13	5	63.5	39.2	39.5	1	1	1	-	1.5	-	-	25.5	70
DAVIS_RF	SUMMIT 515	1658	HRS	Released	5320	526	10.52	22	12.11	0.61	4.13	33	62.6	35.5	34.5	1	1	1	-	1.2	-	-	24.8	68.2
DAVIS_RF	SY 314	1660	HRS	Released	4581	661	10.52	38	12.42	0.32	4.13	26	58.1	32	36	1	1	1	-	2	-	-	37.2	66.5
DAVIS_RF	NEW DIRKWIN	1667	SWS	Released	2995	473	10.52	48	11.74	1.17	4.13	38	56.5	-	41	1	1	1	-	1	-	-	48	76.5
DAVIS_RF	UC-PATWIN 515	1680	HWS	Released	5007	921	10.52	29	12.82	0.83	4.13	15	60.6	30.7	33.5	1	1	1	-	1.8	-	-	27.5	68.2
DAVIS_RF	LCS-STAR	1688	HWS	Released	5587	349	10.52	12	12.96	0.47	4.13	11	61.6	34.8	39.5	2.5	1.2	1	-	1.2	-	-	27.2	67.8
DAVIS_RF	LG ATOMO	1723	HWS	Released	5814	326	10.52	8	12.56	0.12	4.13	20	62.4	40.5	36	1.2	1	1.5	-	1	-	-	22.2	68.2
DAVIS_RF	WB-JOQUIN ORO	1728	HRS	Released	5298	269	10.52	23	13.69	0.44	4.13	2	61.1	39.5	34.5	1	1	1	-	2.2	-	-	18	65.5
DAVIS_RF	WB-9229	1730	HRS	Released	5298	301	10.52	24	12.85	0.46	4.13	14	63.3	37.8	35	1	1	1	-	2.5	-	-	26.2	67
DAVIS_RF	WB-PATRON	1731	HRS	Released	3933	474	10.52	46	13.08	0.34	4.13	7	61.2	39	40.5	1.5	1	1	-	2.5	-	-	25.2	68.2
DAVIS_RF	UC-PATWIN 515HP	1743	HWS	Released	5331	405	10.52	21	13.03	0.79	4.13	9	61	33.7	33	1	1	1	-	1.5	-	-	26	64.8
DAVIS_RF	UC-YUROK	1745	HRS	Released	4650	886	10.52	35	12.45	0.16	4.13	25	60.2	30.4	37.5	1.2	1	1	-	1.2	-	-	28.2	67.2
DAVIS_RF	WB SJ909-368	1748	HRS	Advanced	5363	416	10.52	19	13.29	0.38	4.13	4	62.6	38.8	36.5	1	1	1	-	2	-	-	22	65.2
DAVIS_RF	WB-7618	1749	HWS	Released	5375	471	10.52	18	13.04	0.34	4.13	8	61.9	34.9	35.5	1	1	1	-	1.5	-	-	28.2	65.8
DAVIS_RF	WB DA908-306	1750	HWS	Advanced	5076	354	10.52	27	12.68	0.53	4.13	19	63.2	41	35.5	1	1	1	-	1.8	-	-	21.5	65.8
DAVIS_RF	WB 9904	1751	HRS	Advanced	4370	319	10.52	41	12.07	0.31	4.13	35	62.5	41.6	41.5	1.8	1	1	-	1.8	-	-	28.2	68.8
DAVIS_RF	SY-VACA	1766	SRS	Released	2988	419	10.52	49	11.85	-	4.13	36	57.1	23.8	42.5	1.7	1	1.3	-	1.3	-	-	45.7	95.3
DAVIS_RF	Tx06V7266E	1778	SRS	Advanced	4568	182	10.52	39	12.45	0.71	4.13	24	57	26.9	42.5	1	1	1	-	1.5	-	-	42.5	75.5
DAVIS_RF	WB-7566	1802	HWS	Advanced	5976	287	10.52	5	12.15	0.27	4.13	30	61.6	38.7	37	1	1	1	-	1	-	-	32	69.2
DAVIS_RF	APB 501189	1807	HRS	Advanced	5020	524	10.52	28	12.39	0.86	4.13	27	57.3	36.1	31.5	1	1	5	-	1.5	-	-	20.8	65.2
DAVIS_RF	UC 15010-5	1814	HRS	Advanced	5550	403	10.52	13	12.51	0.79	4.13	22	61.2	39.6	35	1	1	1	-	2	-	-	27.8	66.2
DAVIS_RF	UC 15010-27	1815	HWS	Advanced	5783	571	10.52	9	12.28	0.63	4.13	28	61.7	41.7	36.5	1	1	1	-	1.8	-	-	26	68.8
DAVIS_RF	UC 15013-15	1816	HWS	Advanced	5832	680	10.52	7	11.76	0.85	4.13	37	64.8	45	34	1	1	1	-	1.2	-	-	24.8	67.2
DAVIS_RF	UC 15014-4	1817	HRS	Advanced	5925	177	10.52	6	12.27	0.5	4.13	29	63.4	34.6	36.5	1	1	1	-	1.5	-	-	24.8	66.8
DAVIS_RF	UC 15014-35	1818	HRS	Advanced	4884	610	10.52	33	13.48	0.9	4.13	3	63.4	32.6	37.5	1.5	1.2	1	-	1.2	-	-	27	66.2
DAVIS_RF	APB 500709	1819	HRS	Advanced	5333	897	10.52	20	12.69	0.55	4.13	18	62.1	35.9	39	1	1	1	-	1.8	-	-	26	68
DAVIS_RF	APB 501129	1820	HRS	Advanced	5137	430	10.52	25	12.99	0.37	4.13	10	59.5	36.8	33.5	1	1	2	-	1	-	-	28.5	69.2
DAVIS_RF	APB 8238	1821	HRS	Advanced	5424	469	10.52	15	12.79	0.39	4.13	16	60.2	36.9	36.5	1.2	1	1	-	1.5	-	-	27	67
DAVIS_RF	APB 501089	1828	HRS	Advanced	5389	174	10.52	17	12.08	0.54	4.13	34	60.8	39.1	32.5	1	1	1	-	1.5	-	-	24.8	66.2
DAVIS_RF	APB 8155	1829	HRS	Advanced	4624	781	10.52	36	13.12	0.22	4.13	6	62.6	30.6	37	1	1	1	-	2.2	-	-	23.8	68.2
DAVIS_RF	LCS 12S80197	1830	HRS	Advanced	4844	259	10.52	34	12.86	0.56	4.13	13	60	33.7	37.5	1	1	1	-	1.5	-	-	28	73.2
DAVIS_RF	LCS 12S80224	1831	HWS	Advanced	5685	654	10.52	11	12.14	0.71	4.13	31	61	31.4	38.5	1	1	1.5	-	1.8	-	-	28.5	70
DAVIS_RF	TRICAL 105	3097	TRIT	Released	4339	596	10.52	42	-	-	-	-	57.7	37.9	43	1.2	1	1	-	1.2	-	-	25.8	72.8
DAVIS_RF	WB-PACHECO	3164	TRIT	Released	5987	763	10.52	4	-	-	-	-	59.5	49.4	42.5	1.2	1	1	-	1	-	-	24.8	75.2
DAVIS_RF	CAMELOT	3168	TRIT	Released	6772	520	10.52	2	-	-	-	-	58.1	44.4	41.5	1	1	1	-	1	-	-	22.2	70.5
DAVIS_RF	SY 158T	3169	TRIT	Released	6417	292	10.52	3	-	-	-	-	60.9	37.7	39.5	1	1	1.2	-	1	-	-	26	72.8
DAVIS_RF	SY 115T	3170	TRIT	Released	5713	562	10.52	10	-	-	-	-	59.4	39.5	39.5	1	1	1	-	1	-	-	25	71.5
DAVIS_RF	PRL 01115-429	3177	TRIT	Released	4609	376	10.52	37	-	-	-	-	55.2	38.5	49	3	1	1	-	1.2	-	-	24.8	73.5
DAVIS_RF	NS 10T50020	3178	TRIT	Released	7051	661	10.52	1	-	-	-	-	57.4	39.5	38.5	1.2	1	1	-	1	-	-	22.5	70.5
DAVIS_RF	NS 10T70126	3179	TRIT	Released	3792	1342	10.52	47	-	-	-	-	52.7	32	52.5	2.2	1	1	-	1	-	-	49	97.5

Table 36. 2016 Common Wheat & Triticale, Delta.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
DELTA	ANZA	20	HRS	Released	4807	353	11.18	43	11.49	0.19	1.96	41	59.3	-	34.5	3.7	1	1.7	-	1.7	1	-	-	
DELTA	CAL ROJO	1478	HRS	Released	6063	670	11.18	24	13.32	0.62	1.96	11	59.3	44.6	31.7	1.8	1	1	-	1.5	1	-	-	
DELTA	UC-LASSIK	1495	HRS	Released	4469	928	11.18	47	12.63	0.39	1.96	28	62.6	41.2	35	4.2	1	1	-	1.2	1	-	-	
DELTA	REDWING	1521	HRS	Released	6166	1392	11.18	22	12.48	0.05	1.96	34	59.4	40.7	32	1.5	1	1	-	1.5	1	-	-	
DELTA	BLANCA ROYALE	1522	HWS	Released	6179	419	11.18	21	12.77	0.18	1.96	20	60.2	37.9	32	1.8	1	1.2	-	1	1	-	-	
DELTA	TRIPLE IV	1550	HRS	Released	4351	587	11.18	48	12.7	0.44	1.96	23	60.9	48.6	35.3	3.2	1	4.8	-	1	1	-	-	
DELTA	ULTRA	1590	HRS	Released	6325	487	11.18	17	12.52	0.26	1.96	32	62.3	37.8	34.5	1.5	1	1	-	1.2	1	-	-	
DELTA	FV 2808	1608	HRS	Released	4630	162	11.18	44	11.51	0.25	1.96	40	59.2	30.8	40	5.2	1	4.5	-	1.5	1	-	-	
DELTA	WB-ROCKLAND	1650	HRS	Released	5227	745	11.18	40	14.46	0.38	1.96	2	60.5	41.2	31	1.8	1	1	-	1.5	1	-	-	
DELTA	SY-BLANCA GRANDE 515	1657	HWS	Released	6232	1328	11.18	19	13.26	0.09	1.96	12	62.6	41.1	35.3	4.5	1	1	-	1.2	1	-	-	
DELTA	SUMMIT 515	1658	HRS	Released	6325	844	11.18	16	12.92	0.26	1.96	18	61.7	39.8	31.5	2	1	1	-	1.8	1	-	-	
DELTA	SY 314	1660	HRS	Released	6441	886	11.18	15	12.82	0.25	1.96	19	58.8	41.4	35.7	3.2	1	1	-	1	1	-	-	
DELTA	NEW DIRKWIN	1667	SWS	Released	3513	754	11.18	49	12.25	0.2	1.96	36	55.8	34.5	38	3.5	1	1	-	1.5	1	-	-	
DELTA	UC-PATWIN 515	1680	HWS	Released	6104	955	11.18	23	12.94	0.23	1.96	16	60.7	42	34	2.2	1	1	-	1	1	-	-	
DELTA	LCS-STAR	1688	HWS	Released	5992	895	11.18	26	13.01	0.63	1.96	14	61.7	38.1	33	3.8	1	1	-	1.2	1	-	-	
DELTA	LG ATOMO	1723	HWS	Released	6493	476	11.18	14	12.62	0.19	1.96	29	59.9	37.3	34.5	3.2	1	2	-	1.2	1	-	-	
DELTA	WB-JOAQUIN ORO	1728	HRS	Released	5488	505	11.18	36	14.45	0.1	1.96	3	63.2	43.4	33.7	3	1.2	1	-	1.2	1	-	-	
DELTA	WB-9229	1730	HRS	Released	6042	349	11.18	25	13.8	0.08	1.96	5	62.9	38.8	33.5	2.5	1	1.2	-	1.5	1	-	-	
DELTA	WB-PATRON	1731	HRS	Released	5243	1036	11.18	39	13.62	0.42	1.96	7	59.3	46.8	34.5	2.2	1	1	-	1.5	1	-	-	
DELTA	UC-PATWIN 515HP	1743	HWS	Released	6680	549	11.18	12	13.69	0.13	1.96	6	60.7	42	34.3	3.8	1	1	-	1	1	-	-	
DELTA	UC-YUROK	1745	HRS	Released	5551	482	11.18	35	12.67	0.15	1.96	25	63.7	41.3	34.5	2.5	1	1	-	1	1	-	-	
DELTA	WB SJ909-368	1748	HRS	Advanced	5990	465	11.18	27	13.32	0.22	1.96	10	61.1	37.2	36	1.8	1	1	-	1.2	1	-	-	
DELTA	WB-7618	1749	HWS	Released	5752	571	11.18	33	13.34	0.38	1.96	9	62.2	39	31.5	1.8	1	1	-	1.2	1	-	-	
DELTA	WB DA908-306	1750	HWS	Advanced	6236	367	11.18	18	12.49	0.17	1.96	33	63.9	52.6	36	2	1	1	-	1	1	-	-	
DELTA	WB 9904	1751	HRS	Advanced	5921	843	11.18	30	12.57	0.14	1.96	31	61.3	45.7	39	2.8	1	1	-	1.8	1	-	-	
DELTA	SY-VACA	1766	SRS	Released	5255	951	11.18	38	11.85	0.1	1.96	38	57.4	31.9	39	3.2	1	1	-	2.2	1	-	-	
DELTA	Tx06V7266E	1778	SRS	Advanced	5939	718	11.18	29	12.98	0.68	1.96	15	58.4	35.4	37	4.5	1	1	-	1	1	-	-	
DELTA	WB-7566	1802	HWS	Advanced	7183	718	11.18	5	11.65	0.32	1.96	39	62.2	41.9	36.3	2	1	1.5	-	1	1	-	-	
DELTA	APB 501189	1807	HRS	Advanced	4518	305	11.18	46	12.21	0.19	1.96	37	60.1	35.5	32.7	2.2	1	7.2	-	1	1	-	-	
DELTA	UC 15010-5	1814	HRS	Advanced	6226	431	11.18	20	13.49	0.19	1.96	8	59.5	40.5	33.7	2.8	1	1	-	1.2	1	-	-	
DELTA	UC 15010-27	1815	HWS	Advanced	6764	1125	11.18	10	12.71	0.05	1.96	22	61.9	41.5	34.7	1.5	1	1	-	1.5	1	-	-	
DELTA	UC 15013-15	1816	HWS	Advanced	6922	432	11.18	9	12.36	0.12	1.96	35	63.3	37.3	31.5	2.2	1	1	-	1.2	1	-	-	
DELTA	UC 15014-4	1817	HRS	Advanced	6969	389	11.18	8	12.92	0.08	1.96	18	63.1	47.7	33	2.2	1	1	-	1	1	-	-	
DELTA	UC 15014-35	1818	HRS	Advanced	4929	841	11.18	42	14.58	0.7	1.96	1	62.1	35.7	37	2.5	2	1	-	1.2	1	-	-	
DELTA	APB 500709	1819	HRS	Advanced	6971	587	11.18	7	12.69	0.04	1.96	24	60.8	34.9	34	3.2	1	1	-	1.2	1	-	-	
DELTA	APB 501129	1820		Advanced	5345	471	11.18	37	12.6	0.14	1.96	30	60	40.6	31.7	2.2	1	1.5	-	1.2	1	-	-	
DELTA	APB 8238	1821		Advanced	6698	238	11.18	11	12.65	0.22	1.96	26	61.2	43.5	34.7	3.2	1	1	-	1.2	1	-	-	
DELTA	APB 501089	1828	HRS	Advanced	5735	554	11.18	34	13.07	0.3	1.96	13	60.1	37.5	29.3	1.5	1	1	-	2.5	1	-	-	
DELTA	APB 8155	1829		Advanced	5038	631	11.18	41	13.89	0.08	1.96	4	60.8	41.1	38	3.2	1	1	-	1.2	1	-	-	
DELTA	LCS 125B0197	1830	HRS	Advanced	5788	420	11.18	32	12.74	0.29	1.96	21	60	40.8	36.5	3	1	1	-	1	1	-	-	
DELTA	LCS 125B0224	1831	HWS	Advanced	6503	727	11.18	13	12.64	0.45	1.96	27	60.2	41.6	34.5	2.5	1	1	-	1	1	-	-	
DELTA	TRICAL 105	3097	TRIT	Released	5977	449	11.18	28	-	-	-	-	57.3	44.7	41.7	2	1	1	-	1	2	-	-	
DELTA	WB-PACHECO	3164	TRIT	Released	7472	1127	11.18	3	-	-	-	-	58.8	42.3	40	4	1	1	-	1	1	-	-	
DELTA	CAMELOT	3168	TRIT	Released	7095	352	11.18	6	-	-	-	-	58.3	42.8	40.3	2	1	1	-	1	1	-	-	
DELTA	SY 158T	3169	TRIT		7951	1082	11.18	2	-	-	-	-	58.8	39.5	39.5	1	1	1	-	1	1	-	-	
DELTA	SY 115T	3170	TRIT		7195	1828	11.18	4	-	-	-	-	58.7	40.9	35	2	1	1	-	1	1	-	-	
DELTA	PRL 011TS-429	3177	TRIT		5837	253	11.18	31	-	-	-	-	58.4	45.5	40.5	6.2	1	1	-	1	1	-	-	
DELTA	NS 10T50020	3178	TRIT		9001	812	11.18	1	-	-	-	-	58.7	44.2	40.5	1	1	1	-	1	1	-	-	
DELTA	NS 10T70126	3179	TRIT		4590	407	11.18	45	-	-	-	-	53	39.4	43.7	4.5	1	1	-	1	1	-	-	

Table 37. 2016 Common Wheat & Triticale, Fresno.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	Stdev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
FRESNO	ANZA	20	HRS	Released	6568	378	7.14	38	11.05	0.13	4.22	39	63.9	36.7	37	3.5	-	5	-	-	-	-	-	
FRESNO	CAL ROJO	1478	HRS	Released	7710	364	7.14	12	12.03	0.27	4.22	22	64.1	42.9	32	3.5	-	1.5	-	-	-	-	-	
FRESNO	UC-LASSIK	1495	HRS	Released	7215	235	7.14	30	11.63	0.67	4.22	36	64.1	40.1	37	4.8	-	1	-	-	-	-	-	
FRESNO	REDWING	1521	HRS	Released	7612	424	7.14	15	11.64	0.86	4.22	35	63	44.6	33	1.8	-	1.5	-	-	-	-	-	
FRESNO	BLANCA ROYALE	1522	HWS	Released	6948	719	7.14	36	11.85	0.99	4.22	31	62.7	43.4	33.5	3.5	-	2.5	-	-	-	-	-	
FRESNO	TRIPLE IV	1550	HRS	Released	5024	576	7.14	47	12.63	0.54	4.22	7	63.9	41.6	39	7.2	-	6.2	-	-	-	-	-	
FRESNO	ULTRA	1590	HRS	Released	7461	618	7.14	23	12.18	0.11	4.22	18	66.4	45	34	4	-	1.5	-	-	-	-	-	
FRESNO	FV 2808	1608	HRS	Released	6264	627	7.14	43	10.92	0.05	4.22	41	62.7	33.2	42.5	2.5	-	5.5	-	-	-	-	-	
FRESNO	WB-ROCKLAND	1650	HRS	Released	6349	402	7.14	42	13.59	0.56	4.22	1	64.1	40.4	34.5	1	-	1	-	-	-	-	-	
FRESNO	SY-BLANCA GRANDE 515	1657	HWS	Released	7116	152	7.14	33	12.36	0.23	4.22	10	65.8	44.2	34	5	-	1	-	-	-	-	-	
FRESNO	SUMMIT 515	1658	HRS	Released	7707	221	7.14	13	12.25	0.21	4.22	15	64.4	42.2	35.5	1.5	-	1	-	-	-	-	-	
FRESNO	SY 314	1660	HRS	Released	7132	551	7.14	31	12.2	0.55	4.22	16	63.9	43.3	36	1.5	-	1	-	-	-	-	-	
FRESNO	NEW DIRKWIN	1667	SWS	Released	4564	594	7.14	48	11.89	0.74	4.22	30	55.5	37.2	42	3.2	-	1	-	-	-	-	-	
FRESNO	UC-PATWIN 515	1680	HWS	Released	7482	726	7.14	20	12.47	0.55	4.22	8	63.6	35.8	33	1	-	1	-	-	-	-	-	
FRESNO	LCS-STAR	1688	HWS	Released	7281	302	7.14	27	12.14	0.32	4.22	19	63.4	41.6	37.5	6.8	-	1.5	-	-	-	-	-	
FRESNO	LG ATOMO	1723	HWS	Released	7995	430	7.14	6	11.69	0.9	4.22	34	64.6	42.3	34.5	3	-	3.5	-	-	-	-	-	
FRESNO	WB-JOAQUIN ORO	1728	HRS	Released	6169	292	7.14	44	12.38	0.08	4.22	9	66.1	45.8	36	4.3	-	1.3	-	-	-	-	-	
FRESNO	WB-9229	1730	HRS	Released	7064	603	7.14	34	12.97	0.79	4.22	4	63.3	41.9	35	3	-	2	-	-	-	-	-	
FRESNO	WB-PATRON	1731	HRS	Released	6970	532	7.14	35	13.3	0.14	4.22	3	63.3	48.1	38	5.5	-	1	-	-	-	-	-	
FRESNO	UC-PATWIN 515HP	1743	HWS	Released	7434	450	7.14	24	12.28	0.68	4.22	13	64.5	35.7	34.5	1.2	-	1	-	-	-	-	-	
FRESNO	UC-YUROK	1745	HRS	Released	6856	505	7.14	37	12.2	0.4	4.22	17	63.9	40.7	37.5	5.5	-	1	-	-	-	-	-	
FRESNO	WB SJ909-368	1748	HRS	Advanced	7558	601	7.14	17	12.02	0.56	4.22	23	65.5	40.5	37.5	4.2	-	2	-	-	-	-	-	
FRESNO	WB-7618	1749	HWS	Released	7477	159	7.14	21	12.28	0.69	4.22	12	65.3	39.8	35	1.2	-	2.5	-	-	-	-	-	
FRESNO	WB DA908-306	1750	HWS	Advanced	7570	441	7.14	16	12.01	0.25	4.22	24	65.9	51.6	39.5	3.2	-	1.5	-	-	-	-	-	
FRESNO	WB 9904	1751	HRS	Advanced	7231	216	7.14	28	11.72	0.49	4.22	33	64.2	53.4	40	3.2	-	1	-	-	-	-	-	
FRESNO	SY-VACA	1766	SRS	Released	5228	943	7.14	46	11.01	1.25	4.22	40	57.5	36.7	42	3.5	-	1	-	-	-	-	-	
FRESNO	Tx06V7266E	1778	SRS	Advanced	6559	908	7.14	39	12.26	0.01	4.22	14	62.6	30.6	41	2	-	2.2	-	-	-	-	-	
FRESNO	WB-7566	1802	HWS	Advanced	7932	875	7.14	8	11.56	0.32	4.22	37	63.8	44.1	35.5	3.8	-	2.8	-	-	-	-	-	
FRESNO	APB 501189	1807	HRS	Advanced	5531	501	7.14	45	11.92	0.84	4.22	29	59.2	33.6	38	2.8	-	5.2	-	-	-	-	-	
FRESNO	UC 15010-5	1814	HRS	Advanced	7419	879	7.14	25	11.95	0.45	4.22	28	61.8	44.4	33.5	1.2	-	1.5	-	-	-	-	-	
FRESNO	UC 15010-27	1815	HWS	Advanced	8265	432	7.14	2	11.96	0.45	4.22	27	63.4	45.1	34	1.2	-	1	-	-	-	-	-	
FRESNO	UC 15013-15	1816	HWS	Advanced	7385	579	7.14	26	11.97	0.64	4.22	25	66.2	41.9	35	2.2	-	1.2	-	-	-	-	-	
FRESNO	UC 15014-4	1817	HRS	Advanced	7770	360	7.14	10	12.84	0.4	4.22	5	65.1	41.9	42.5	1	-	1	-	-	-	-	-	
FRESNO	UC 15014-35	1818	HRS	Advanced	6477	337	7.14	41	13.57	0.86	4.22	2	65	39.7	40.5	5.5	-	1.8	-	-	-	-	-	
FRESNO	APB 500709	1819	HRS	Advanced	7778	365	7.14	9	12.34	0.7	4.22	11	63.6	42.7	38	4	-	1	-	-	-	-	-	
FRESNO	APB 501129	1820		Advanced	7216	566	7.14	29	11.97	0.56	4.22	26	62.9	40.2	32	1.5	-	2.5	-	-	-	-	-	
FRESNO	APB 8238	1821		Advanced	8034	288	7.14	4	12.04	0.82	4.22	21	64.4	41.3	37.5	3.8	-	1	-	-	-	-	-	
FRESNO	APB 501089	1828	HRS	Advanced	7118	605	7.14	32	12.13	0.2	4.22	20	63	39.8	32	1.2	-	1	-	-	-	-	-	
FRESNO	APB 8155	1829		Advanced	6501	408	7.14	40	12.65	0.09	4.22	6	64.8	36.7	38	3	-	1	-	-	-	-	-	
FRESNO	LCS 125B0197	1830	HRS	Advanced	7686	678	7.14	14	11.5	0.69	4.22	38	62.1	43.4	38.5	3.2	-	1.5	-	-	-	-	-	
FRESNO	LCS 125B0224	1831	HWS	Advanced	7527	501	7.14	18	11.82	0.93	4.22	32	60.9	43	35.5	2	-	1.8	-	-	-	-	-	
FRESNO	TRICAL 105	3097	TRIT	Released	7933	864	7.14	7	-	-	-	-	60.5	45.5	43	3.8	-	1	-	-	-	-	-	
FRESNO	WB-PACHECO	3164	TRIT	Released	7732	1090	7.14	11	-	-	-	-	61.4	48.3	46	4	-	1	-	-	-	-	-	
FRESNO	CAMELOT	3168	TRIT	Released	7517	284	7.14	19	-	-	-	-	59.1	43.2	41	2.2	-	1	-	-	-	-	-	
FRESNO	SY 158T	3169	TRIT		7467	485	7.14	22	-	-	-	-	59.7	42.5	39.5	1	-	1	-	-	-	-	-	
FRESNO	SY 115T	3170	TRIT		8209	251	7.14	3	-	-	-	-	60.5	41.9	40	1	-	1	-	-	-	-	-	
FRESNO	PRL 011TS-429	3177	TRIT		8012	562	7.14	5	-	-	-	-	60	43.9	47.5	6.8	-	1	-	-	-	-	-	
FRESNO	NS 10T50020	3178	TRIT		8888	548	7.14	1	-	-	-	-	59.7	47.3	38	1.8	-	1	-	-	-	-	-	
FRESNO	NS 10T70126	3179	TRIT		4192	-	7.14	49	-	-	-	-	-	33.4	-	6	-	1	-	-	-	-	-	

Table 38. 2016 Common Wheat & Triticale, Fresno2.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev Yield	Yield CV%	Yield rank	Protein (%)	StDev Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
FRESNO2	ANZA	20	HRS	Released	5361	315	8.31	47	11.1	0.06	1.52	40	62	33.3	33	1.5	-	3.8	1	-	-	-	-	-
FRESNO2	CAL ROJO	1478	HRS	Released	7500	357	8.31	17	12.33	0.33	1.52	31	64.6	42.4	30	1	-	1	1	-	-	-	-	-
FRESNO2	UC-LASSIK	1495	HRS	Released	7419	162	8.31	21	12.09	0.04	1.52	38	63.5	39.3	35	1.2	-	1	1	-	-	-	-	-
FRESNO2	REDWING	1521	HRS	Released	7481	495	8.31	18	12.92	0.3	1.52	20	61.9	44	32	1	-	2.2	1	-	-	-	-	-
FRESNO2	BLANCA ROYALE	1522	HWS	Released	7524	186	8.31	16	12.31	0.1	1.52	32	63.7	40.6	34	1	-	2.3	1	-	-	-	-	-
FRESNO2	TRIPLE IV	1550	HRS	Released	5488	388	8.31	46	12.18	0.05	1.52	37	63.1	45.5	37.5	4.8	-	4.8	1	-	-	-	-	-
FRESNO2	ULTRA	1590	HRS	Released	7910	264	8.31	8	12.28	0.14	1.52	34	65.5	43.5	34	1	-	1.2	1	-	-	-	-	-
FRESNO2	FV 2808	1608	HRS	Released	6825	492	8.31	31	10.71	0.13	1.52	41	62.9	35.7	40.5	1	-	4.5	1	-	-	-	-	-
FRESNO2	WB-ROCKLAND	1650	HRS	Released	6397	425	8.31	41	14.72	0.07	1.52	3	63.4	43.4	34	1	-	1	1	-	-	-	-	-
FRESNO2	SY-BLANCA GRANDE 515	1657	HWS	Released	6551	886	8.31	38	14.32	0.22	1.52	4	65.3	46.6	35	1	-	1	1	-	-	-	-	-
FRESNO2	SUMMIT 515	1658	HRS	Released	7253	151	8.31	24	13.36	0.12	1.52	14	63.4	45.6	34.5	1	-	1	1	-	-	-	-	-
FRESNO2	SY 314	1660	HRS	Released	7341	108	8.31	23	13.04	0.19	1.52	17	62.8	48	34	1	-	1	1	-	-	-	-	-
FRESNO2	NEW DIRKWIN	1667	SWS	Released	5015	521	8.31	48	12.53	0.31	1.52	27	56.7	33.9	40.5	3.8	-	1	1	-	-	-	-	-
FRESNO2	UC-PATWIN 515	1680	HWS	Released	7658	1649	8.31	14	12.66	0.31	1.52	26	61	36.4	31	1	-	1	1	-	-	-	-	-
FRESNO2	LCS-STAR	1688	HWS	Released	6905	743	8.31	29	12.69	0.11	1.52	24	63.8	41.8	38	3.5	-	1	1	-	-	-	-	-
FRESNO2	LG ATOMO	1723	HWS	Released	6693	1400	8.31	35	12.28	0.37	1.52	33	64.8	41	33	1.2	-	3.8	1	-	-	-	-	-
FRESNO2	WB-JOAQUIN ORO	1728	HRS	Released	5693	1420	8.31	45	15.17	0.13	1.52	1	64.7	49.1	32.5	1.2	-	1.5	1	-	-	-	-	-
FRESNO2	WB-9229	1730	HRS	Released	7377	377	8.31	22	13.95	0.14	1.52	6	63.9	42.9	37.5	1	-	1.5	1	-	-	-	-	-
FRESNO2	WB-PATRON	1731	HRS	Released	6764	412	8.31	33	13.62	0.23	1.52	11	63.1	48.9	37.5	1.2	-	1	1	-	-	-	-	-
FRESNO2	UC-PATWIN 515HP	1743	HWS	Released	7220	120	8.31	25	13.52	0.06	1.52	13	62.6	35.9	32.5	1	-	1	1	-	-	-	-	-
FRESNO2	UC-YUOK	1745	HRS	Released	6809	633	8.31	32	13.1	0.2	1.52	16	64.5	40.7	36	1	-	1	1	-	-	-	-	-
FRESNO2	WB SJ909-368	1748	HRS	Advanced	5727	690	8.31	44	13.87	0.31	1.52	7	65	42.4	35	1	-	2	1	-	-	-	-	-
FRESNO2	WB-7618	1749	HWS	Released	7197	200	8.31	27	13.71	0.15	1.52	9	63.5	43	35	1	-	2.5	1	-	-	-	-	-
FRESNO2	WB DA908-306	1750	HWS	Advanced	7638	324	8.31	15	12.81	0.17	1.52	22	64.8	48	38	1.2	-	1.2	1	-	-	-	-	-
FRESNO2	WB 9904	1751	HRS	Advanced	7467	411	8.31	20	12.78	0.13	1.52	23	62.6	51.5	37	1.5	-	1	1	-	-	-	-	-
FRESNO2	SY-VACA	1766	SRS	Released	6719	652	8.31	34	11.73	0.49	1.52	39	59.9	35	42.5	3.2	-	1	1	-	-	-	-	-
FRESNO2	Tx06V7266E	1778	SRS	Advanced	7479	151	8.31	19	12.46	0.14	1.52	28	60.5	30.7	40	1	-	2.5	1	-	-	-	-	-
FRESNO2	WB-7566	1802	HWS	Advanced	8277	558	8.31	6	12.26	0.13	1.52	35	63.9	-	36	1	-	2	1	-	-	-	-	-
FRESNO2	APB 501189	1807	HRS	Advanced	4869	925	8.31	49	12.68	0.57	1.52	25	61	36.2	33	1	-	4.8	1	-	-	-	-	-
FRESNO2	UC 15010-5	1814	HRS	Advanced	7197	530	8.31	26	13.03	0.16	1.52	18	62.6	42.8	33	1	-	1.5	1	-	-	-	-	-
FRESNO2	UC 15010-27	1815	HWS	Advanced	7905	234	8.31	9	13.12	0.1	1.52	15	62.4	43.7	33.5	1	-	1	1	-	-	-	-	-
FRESNO2	UC 15013-15	1816	HWS	Advanced	6141	1337	8.31	42	12.83	0.62	1.52	21	66.1	45.7	29.5	1	-	1.8	1	-	-	-	-	-
FRESNO2	UC 15014-4	1817	HRS	Advanced	6433	210	8.31	40	13.74	0.32	1.52	8	65.2	43.3	33	1	-	1	1	-	-	-	-	-
FRESNO2	UC 15014-35	1818	HRS	Advanced	6497	510	8.31	39	15.12	0.03	1.52	2	64.8	38	37.5	2.8	-	1	1	-	-	-	-	-
FRESNO2	APB 500709	1819	HRS	Advanced	6551	1539	8.31	37	13.68	0.13	1.52	10	63.1	43.8	29	1	-	1	1	-	-	-	-	-
FRESNO2	APB 501129	1820		Advanced	7189	23	8.31	28	13	0.05	1.52	19	62.2	44.2	32.5	1	-	2.8	1	-	-	-	-	-
FRESNO2	APB 8238	1821		Advanced	6856	1580	8.31	30	13.61	0.13	1.52	12	63.1	41.5	32	1	-	1	1	-	-	-	-	-
FRESNO2	APB 501089	1828	HRS	Advanced	7671	394	8.31	13	12.21	0.26	1.52	36	63.5	43.8	32.5	1	-	1	1	-	-	-	-	-
FRESNO2	APB 8155	1829		Advanced	6568	149	8.31	36	14.23	0.09	1.52	5	63.3	42.8	38	1	-	1	1	-	-	-	-	-
FRESNO2	LCS 125B0197	1830	HRS	Advanced	8185	547	8.31	7	12.35	0.21	1.52	30	61.2	41	39	1.2	-	1.2	1	-	-	-	-	-
FRESNO2	LCS 125B0224	1831	HWS	Advanced	7696	1093	8.31	12	12.42	0.25	1.52	29	63.2	38.9	38	1.2	-	1.8	1	-	-	-	-	-
FRESNO2	TRICAL 105	3097	TRIT	Released	8994	483	8.31	3	-	-	-	-	60.7	53.1	43.5	1	-	1	1	-	-	-	-	-
FRESNO2	WB-PACHECO	3164	TRIT	Released	9279	222	8.31	2	-	-	-	-	60.3	50.5	39	1.5	-	1	1	-	-	-	-	-
FRESNO2	CAMELOT	3168	TRIT	Released	7725	315	8.31	11	-	-	-	-	58.3	46.8	39.5	1	-	1	1	-	-	-	-	-
FRESNO2	SY 158T	3169	TRIT		8441	456	8.31	5	-	-	-	-	60.1	39.1	36.5	1	-	1	1	-	-	-	-	-
FRESNO2	SY 115T	3170	TRIT		8660	808	8.31	4	-	-	-	-	59.5	39.6	36	1	-	1	1	-	-	-	-	-
FRESNO2	PRL 011TS-429	3177	TRIT		7802	623	8.31	10	-	-	-	-	57.8	47.1	48.5	7.2	-	1	1	-	-	-	-	-
FRESNO2	NS 10T50020	3178	TRIT		9692	479	8.31	1	-	-	-	-	58.8	43.1	34	1	-	1	1	-	-	-	-	-
FRESNO2	NS 10T70126	3179	TRIT		6086	2154	8.31	43	-	-	-	-	53.3	-	43	5.5	-	1	1	-	-	-	-	-

Table 39. 2016 Common Wheat & Triticale, Imperial.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev. Yield	Yield CV%	Yield rank	Protein (%)	Stdev. Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
IMPERIAL	ANZA	20	HRS	Released	6898	214	5.83	26	12.15	0.12	1.27	40	63	-	33.2	1.5	1.5	-	-	-	-	-	-	
IMPERIAL	CAL ROJO	1478	HRS	Released	6976	301	5.83	25	14.36	0.2	1.27	20	61	-	31.5	1	1	-	-	-	-	-	-	
IMPERIAL	UC-LASSIK	1495	HRS	Released	7226	269	5.83	15	13.34	0.06	1.27	34	62	-	32.2	1.2	2	-	-	-	-	-	-	
IMPERIAL	REDWING	1521	HRS	Released	7254	324	5.83	13	13.96	0.1	1.27	28	60	-	30	1	1.2	-	-	-	-	-	-	
IMPERIAL	BLANCA ROYALE	1522	HWS	Released	5913	577	5.83	43	13.53	0.12	1.27	32	62	-	31.2	1.5	2	-	-	-	-	-	-	
IMPERIAL	TRIPLE IV	1550	HRS	Released	5274	220	5.83	46	14.58	0.21	1.27	16	60	-	34.8	5	2	-	-	-	-	-	-	
IMPERIAL	ULTRA	1590	HRS	Released	7228	700	5.83	14	13.79	0.15	1.27	30	61	-	32.8	1	1	-	-	-	-	-	-	
IMPERIAL	FV 2808	1608	HRS	Released	5775	1080	5.83	44	11.68	0.21	1.27	41	62	-	37.8	1	3	-	-	-	-	-	-	
IMPERIAL	WB-ROCKLAND	1650	HRS	Released	6756	131	5.83	31	16.25	0.23	1.27	4	63	-	31.5	1	1	-	-	-	-	-	-	
IMPERIAL	SY-BLANCA GRANDE 515	1657	HWS	Released	7320	412	5.83	10	14.79	0.15	1.27	12	64	-	36.2	2.2	1.5	-	-	-	-	-	-	
IMPERIAL	SUMMIT 515	1658	HRS	Released	7739	468	5.83	3	14.27	0.15	1.27	22	62	-	32.2	1	1	-	-	-	-	-	-	
IMPERIAL	SY 314	1660	HRS	Released	6798	246	5.83	29	14.58	0.06	1.27	16	59	-	32.8	1	1	-	-	-	-	-	-	
IMPERIAL	NEW DIRKWIN	1667	SWS	Released	5758	144	5.83	45	12.64	0.36	1.27	39	58	-	38.2	1	2.2	-	-	-	-	-	-	
IMPERIAL	UC-PATWIN 515	1680	HWS	Released	7059	190	5.83	23	14.13	0.12	1.27	24	61	-	28.8	1	1	-	-	-	-	-	-	
IMPERIAL	LCS-STAR	1688	HWS	Released	4656	-	5.83	47	13.83	-	1.27	29	62	-	33	1	3	-	-	-	-	-	-	
IMPERIAL	LG ATOMO	1723	HWS	Released	7453	95	5.83	4	13.34	0.21	1.27	34	62	-	33	1	1.5	-	-	-	-	-	-	
IMPERIAL	WB-JOAQUIN ORO	1728	HRS	Released	6160	413	5.83	38	16.60	0	1.27	2	63	-	33	1.8	2.2	-	-	-	-	-	-	
IMPERIAL	WB-9229	1730	HRS	Released	7401	482	5.83	8	15.72	0.21	1.27	5	63	-	32	1	1	-	-	-	-	-	-	
IMPERIAL	WB-PATRON	1731	HRS	Released	6760	192	5.83	30	15.58	0.15	1.27	16	62	-	35.5	1.2	1.5	-	-	-	-	-	-	
IMPERIAL	UC-PATWIN 515HP	1743	HWS	Released	6730	227	5.83	33	14.32	0.06	1.27	8	61	-	31	1	1	-	-	-	-	-	-	
IMPERIAL	UC-YUOK	1745	HRS	Released	6669	573	5.83	35	13.61	0.06	1.27	31	62	-	33.8	1	1.2	-	-	-	-	-	-	
IMPERIAL	WB SJ909-368	1748	HRS	Advanced	7070	321	5.83	21	15.68	0.26	1.27	6	64	-	35.2	1.8	1.2	-	-	-	-	-	-	
IMPERIAL	WB-7618	1749	HWS	Released	7067	535	5.83	22	15.41	0.1	1.27	7	62	-	32	1	1.2	-	-	-	-	-	-	
IMPERIAL	WB DA908-306	1750	HWS	Advanced	7379	355	5.83	9	13.47	0.4	1.27	33	64	-	36	1.2	1.2	-	-	-	-	-	-	
IMPERIAL	WB 9904	1751	HRS	Advanced	7168	498	5.83	17	12.81	0.06	1.27	37	62	-	35.8	1.5	1.2	-	-	-	-	-	-	
IMPERIAL	SY-VACA	1766	SRS	Released	6144	381	5.83	39	13.13	0.57	1.27	36	55	-	38	1.2	1.2	-	-	-	-	-	-	
IMPERIAL	Tx06V7266E	1778	SRS	Advanced	6029	345	5.83	41	14.36	0.17	1.27	20	58	-	38.2	1	1.2	-	-	-	-	-	-	
IMPERIAL	WB-7566	1802	HWS	Advanced	7122	366	5.83	19	14.09	0.1	1.27	26	62	-	33.2	1	1	-	-	-	-	-	-	
IMPERIAL	APB 501189	1807	HRS	Advanced	6805	256	5.83	28	15.28	0.26	1.27	9	63	-	33.8	2	2.2	-	-	-	-	-	-	
IMPERIAL	UC 15010-5	1814	HRS	Advanced	7200	976	5.83	16	15.11	0.15	1.27	10	61	-	30.5	1	1	-	-	-	-	-	-	
IMPERIAL	UC 15010-27	1815	HWS	Advanced	8018	534	5.83	1	14.09	0	1.27	26	62	-	32.5	1	1	-	-	-	-	-	-	
IMPERIAL	UC 15013-15	1816	HWS	Advanced	7261	346	5.83	12	12.73	0.15	1.27	38	64	-	30	1	1.2	-	-	-	-	-	-	
IMPERIAL	UC 15014-4	1817	HRS	Advanced	7436	321	5.83	5	14.79	0.06	1.27	12	64	-	33	1	1	-	-	-	-	-	-	
IMPERIAL	UC 15014-35	1818	HRS	Advanced	4257	420	5.83	48	17.46	0.21	1.27	1	64	-	34.7	1	4.3	-	-	-	-	-	-	
IMPERIAL	APB 500709	1819	HRS	Advanced	7967	297	5.83	2	14.79	0.25	1.27	12	61	-	36	1.2	1	-	-	-	-	-	-	
IMPERIAL	APB 501129	1820	HRS	Advanced	7088	395	5.83	20	14.13	0.06	1.27	24	60	-	29.5	1	1	-	-	-	-	-	-	
IMPERIAL	APB 8238	1821	HRS	Advanced	7045	1297	5.83	24	14.58	0.06	1.27	16	61	-	35	1	1	-	-	-	-	-	-	
IMPERIAL	APB 501089	1828	HRS	Advanced	6870	120	5.83	27	14.32	0.31	1.27	21	61	-	31	1	1	-	-	-	-	-	-	
IMPERIAL	APB 8155	1829	HRS	Advanced	5921	641	5.83	42	16.30	0.15	1.27	3	63	-	34.5	1	2.5	-	-	-	-	-	-	
IMPERIAL	LCS 125B0197	1830	HRS	Advanced	6071	433	5.83	40	14.23	0.1	1.27	23	61	-	37	1	2.5	-	-	-	-	-	-	
IMPERIAL	LCS 125B0224	1831	HWS	Advanced	7123	318	5.83	18	14.40	0.15	1.27	18	62	-	35.8	1	1.8	-	-	-	-	-	-	
IMPERIAL	TRICAL 105	3097	TRIT	Released	7306	338	5.83	11	-	-	-	-	59	-	38.8	1.2	1	-	-	-	-	-	-	
IMPERIAL	WB-PACHECO	3164	TRIT	Released	7424	153	5.83	6	-	-	-	-	59	-	37.5	1.2	1	-	-	-	-	-	-	
IMPERIAL	CAMELOT	3168	TRIT	Released	6646	311	5.83	37	-	-	-	-	55	-	36.8	1	1	-	-	-	-	-	-	
IMPERIAL	SY 158T	3169	TRIT	Released	6732	134	5.83	32	-	-	-	-	57	-	32.8	1	1	-	-	-	-	-	-	
IMPERIAL	SY 115T	3170	TRIT	Released	6672	552	5.83	34	-	-	-	-	57	-	33.5	1	1	-	-	-	-	-	-	
IMPERIAL	PRL 011TS-429	3177	TRIT	Released	6662	367	5.83	36	-	-	-	-	57	-	42.8	4	1	-	-	-	-	-	-	
IMPERIAL	NS 10T50020	3178	TRIT	Released	7417	317	5.83	7	-	-	-	-	56	-	34.5	1	1	-	-	-	-	-	-	

Table 40. 2016 Common Wheat & Triticale, Kern.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
KERN	ANZA	20	HRS	Released	4944	819	10.31	44	13.02	0.06	1.74	40	60.9	21.1	39.5	1.8	-	1	-	-	-	-	-	-
KERN	CAL ROJO	1478	HRS	Released	5461	874	10.31	37	13.66	0.42	1.74	33	60	35.2	32.5	1	-	1	-	-	-	-	-	-
KERN	UC-LASSIK	1495	HRS	Released	5970	376	10.31	27	13.7	0.41	1.74	32	61.5	23.5	35.5	1	-	1	-	-	-	-	-	-
KERN	REDWING	1521	HRS	Released	6101	562	10.31	21	14.43	0.16	1.74	13	60.3	35.8	35.5	1	-	1	-	-	-	-	-	-
KERN	BLANCA ROYALE	1522	HRS	Released	6137	701	10.31	20	14.72	0.28	1.74	10	59.1	32.5	34	1	-	1	-	-	-	-	-	-
KERN	TRIPLE IV	1550	HRS	Released	5696	236	10.31	33	13.34	0.1	1.74	37	61.2	35	36.5	5.5	-	1	-	-	-	-	-	-
KERN	ULTRA	1590	HRS	Released	5492	322	10.31	36	14.69	0.19	1.74	11	60.2	31.1	35.5	1.2	-	1	-	-	-	-	-	-
KERN	FV 2808	1608	HRS	Released	5185	963	10.31	39	12.59	0.46	1.74	41	57.7	28.1	43	2.2	-	2.2	-	-	-	-	-	-
KERN	WB-ROCKLAND	1650	HRS	Released	5528	777	10.31	35	14.88	0.34	1.74	7	59.6	35.5	33.5	1.2	-	1	-	-	-	-	-	-
KERN	SY-BLANCA GRANDE 515	1657	HWS	Released	7395	763	10.31	3	14	0.04	1.74	27	62.8	38.7	38	1.2	-	1	-	-	-	-	-	-
KERN	SUMMIT 515	1658	HRS	Released	6755	486	10.31	12	13.66	0.17	1.74	34	62.5	36.4	35	1	-	1	-	-	-	-	-	-
KERN	SY 314	1660	HRS	Released	5663	626	10.31	34	14.07	0.64	1.74	25	56.6	34.8	37.5	1	-	1	-	-	-	-	-	-
KERN	NEW DIRKWIN	1667	SWS	Released	2299	317	10.31	48	14.73	0.48	1.74	9	53.5	30.7	44	6.5	-	1	-	-	-	-	-	-
KERN	UC-PATWIN 515	1680	HWS	Released	4815	356	10.31	45	15.5	0.4	1.74	4	56.8	25.1	35.5	1.5	-	1	-	-	-	-	-	-
KERN	LCS-STAR	1688	HWS	Released	6062	733	10.31	24	14.94	0.5	1.74	6	57.6	31.4	35	3	-	1	-	-	-	-	-	-
KERN	LG ATOMO	1723	HWS	Released	6331	490	10.31	17	13.77	0.18	1.74	30	60.9	28.2	34.5	4.8	-	1	-	-	-	-	-	-
KERN	WB-JOQUIN ORO	1728	HRS	Released	7305	523	10.31	5	14.44	0.16	1.74	12	62.4	39.8	36.5	1	-	1	-	-	-	-	-	-
KERN	WB-9229	1730	HRS	Released	6248	796	10.31	19	14.23	0.19	1.74	23	62.4	35.2	36.5	1.8	-	1	-	-	-	-	-	-
KERN	WB-PATRON	1731	HRS	Released	5863	669	10.31	30	13.94	0.19	1.74	28	60.7	40.6	40.5	1.2	-	1	-	-	-	-	-	-
KERN	UC-PATWIN 515HP	1743	HWS	Released	6096	298	10.31	23	15.28	0.35	1.74	5	57.9	30.3	34.5	1	-	1	-	-	-	-	-	-
KERN	UC-YUROK	1745	HRS	Released	6098	394	10.31	22	13.49	0.21	1.74	35	62.4	27.4	39	1	-	1	-	-	-	-	-	-
KERN	WB SJ909-368	1748	HRS	Advanced	7016	453	10.31	8	14.27	0.08	1.74	19	61.7	32.3	36.5	2.2	-	1	-	-	-	-	-	-
KERN	WB-7618	1749	HWS	Released	6874	642	10.31	10	14.23	0.13	1.74	22	60.7	34.7	34.5	1.2	-	1	-	-	-	-	-	-
KERN	WB DA908-306	1750	HWS	Advanced	7709	227	10.31	2	13.26	0.11	1.74	38	63	44.3	35.5	1	-	1	-	-	-	-	-	-
KERN	WB 9904	1751	HRS	Advanced	5115	1236	10.31	42	13.36	0.25	1.74	36	61.5	38.3	40.5	1.5	-	1	-	-	-	-	-	-
KERN	SY-VACA	1766	SRS	Released	2459	218	10.31	47	15.67	0.04	1.74	2	52.2	24.3	43	2.5	-	1	-	-	-	-	-	-
KERN	Tx06V7266E	1778	SRS	Advanced	3234	984	10.31	46	15.73	0.44	1.74	1	54.2	27.6	42.5	5.5	-	1	-	-	-	-	-	-
KERN	WB-7566	1802	HWS	Advanced	5129	1006	10.31	41	14.28	0.09	1.74	18	57.7	28.7	40	5.5	-	1	-	-	-	-	-	-
KERN	APB 501189	1807	HRS	Advanced	7969	393	10.31	1	13.83	0.1	1.74	29	62.2	35.5	37	1	-	1	-	-	-	-	-	-
KERN	UC 15010-5	1814	HRS	Advanced	6291	287	10.31	18	14.86	0.25	1.74	8	58.3	33.8	36.5	1.2	-	1	-	-	-	-	-	-
KERN	UC 15010-27	1815	HWS	Advanced	6618	455	10.31	14	14.09	0.14	1.74	24	60	36.8	35.5	1	-	1	-	-	-	-	-	-
KERN	UC 15013-15	1816	HWS	Advanced	7016	577	10.31	7	13.17	0.3	1.74	39	63.9	32.6	34	2	-	1	-	-	-	-	-	-
KERN	UC 15014-4	1817	HRS	Advanced	7336	158	10.31	4	14.04	0.22	1.74	26	61	33.3	36	1	-	1	-	-	-	-	-	-
KERN	UC 15014-35	1818	HRS	Advanced	6053	549	10.31	25	15.51	0.14	1.74	3	62.3	34.1	43.5	1.2	-	1	-	-	-	-	-	-
KERN	APB 500709	1819	HRS	Advanced	6907	560	10.31	9	14.28	0.22	1.74	17	61.7	35.1	36.5	1.5	-	1	-	-	-	-	-	-
KERN	APB 501129	1820		Advanced	5262	395	10.31	38	14.36	0.25	1.74	15	59.5	34.2	31	1	-	1	-	-	-	-	-	-
KERN	APB 8238	1821		Advanced	6689	419	10.31	13	14.24	0.03	1.74	21	60.5	37.1	37	1	-	1	-	-	-	-	-	-
KERN	APB 501089	1828	HRS	Advanced	5703	568	10.31	32	13.76	0.41	1.74	31	59.8	41.3	30	1	-	1	-	-	-	-	-	-
KERN	APB 8155	1829		Advanced	6044	726	10.31	26	14.25	0.21	1.74	20	61	41.2	38	1	-	1	-	-	-	-	-	-
KERN	LCS 12SB0197	1830	HRS	Advanced	5733	786	10.31	31	14.38	0.35	1.74	14	57.5	30.5	39	2	-	1	-	-	-	-	-	-
KERN	LCS 12SB0224	1831	HWS	Advanced	6370	906	10.31	16	14.33	0.48	1.74	16	59.7	31.6	39.5	1	-	1	-	-	-	-	-	-
KERN	TRICAL 105	3097	TRIT	Released	6515	1513	10.31	15	-	-	-	-	57.7	38.5	47.5	1	-	1	-	-	-	-	-	-
KERN	WB-PACHECO	3164	TRIT	Released	7104	1033	10.31	6	-	-	-	-	57.9	39.3	41.5	1	-	1	-	-	-	-	-	-
KERN	CAMELOT	3168	TRIT	Released	5941	680	10.31	28	-	-	-	-	56.6	31.8	43	1.5	-	1	-	-	-	-	-	-
KERN	SY 158T	3169	TRIT		5063	444	10.31	43	-	-	-	-	56.2	26.8	39.5	1	-	1	-	-	-	-	-	-
KERN	SY 115T	3170	TRIT		5878	716	10.31	29	-	-	-	-	56	34.6	38.5	1	-	1	-	-	-	-	-	-
KERN	PRL 011TS-429	3177	TRIT		5179	350	10.31	40	-	-	-	-	55.3	32.3	48.5	4.5	-	1	-	-	-	-	-	-
KERN	NS 10T50020	3178	TRIT		6871	687	10.31	11	-	-	-	-	54	29	39	1	-	1	-	-	-	-	-	-
KERN	NS 10T70126	3179	TRIT		2122	-	10.31	49	-	-	-	-	-	27.6	-	6	-	1	-	-	-	-	-	-

Table 42. 2016 Durum Wheat, Davis.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
DAVIS	APB-KRONOS	951	Dur	Released	5983	554	8.52	16	13.11	0.46	4.06	11	63	55.2	35	1.5	-	1.8	-	1.5	1	-	23.5	75.5
DAVIS	WB-ORITA	1215	Dur	Released	5981	271	8.52	17	13.99	0.51	4.06	2	60	45.5	36	1	-	2.2	-	1	1	-	39	77.5
DAVIS	UC-DESERT KING	1375	Dur	Released	7030	537	8.52	3	11.74	0.53	4.06	27	63.9	43.5	38	1	-	1	-	1	1	-	40.5	87.5
DAVIS	SY-FORTISSIMO	1429	Dur	Released	6283	423	8.52	12	13.02	0.15	4.06	14	63.1	47.1	33.5	1	-	1	-	1	1	-	32.2	75.8
DAVIS	SY-VOLANTE	1431	Dur	Released	5463	762	8.52	20	13.02	0.49	4.06	13	64.2	49	35	1	-	1	-	1	1	-	39.5	75.8
DAVIS	APB-HELIOS	1440	Dur	Released	5225	950	8.52	23	13.41	0.3	4.06	9	62.2	50.5	35.5	1.2	-	1.2	-	1.2	1	-	21.8	73.5
DAVIS	WB-HAVASU	1479	Dur	Released	5212	267	8.52	24	13.51	0.43	4.06	8	62	45.5	36	1	-	2.2	-	1	1	-	27.5	75.2
DAVIS	APB-WESTMORE HP	1484	Dur	Released	7002	299	8.52	4	12.89	0.2	4.06	16	63.8	43.2	32	1.5	-	1	-	2.2	1	-	25	73.2
DAVIS	AS-MAESTRALE	1582	Dur	Released	6281	1175	8.52	13	11.88	0.43	4.06	25	64.9	40.4	40.5	1.8	-	1	-	1	1	-	32.8	74.2
DAVIS	AS-SARAGOLLA	1583	Dur	Released	7200	706	8.52	2	11.8	0.61	4.06	26	64.1	39.6	36	1	-	1.8	-	1	1	-	33.5	74
DAVIS	WB-MEAD	1607	Dur	Released	4915	839	8.52	26	13.62	1.31	4.06	5	59.6	34.2	37	1	-	2.2	-	1.2	1	-	44	89.8
DAVIS	UC-DESERT KING-HP	1627	Dur	Released	6751	553	8.52	8	13.8	0.69	4.06	4	62.1	43.4	34	1.2	-	1	-	1	1	-	40	77.8
DAVIS	APB-TIBURON	1640	Dur	Released	5097	1186	8.52	25	13.82	0.15	4.06	3	59.9	55.5	31	1	-	1	-	1	1	-	24.8	77
DAVIS	WB-MOHAVE	1654	Dur	Released	5443	339	8.52	21	13.04	0.55	4.06	12	62.5	45.9	36	1	-	3.5	-	1	1.2	-	27	74.2
DAVIS	UC-MIWOK	1690	Dur	Released	6082	712	8.52	14	12.83	0.9	4.06	17	65.3	54.5	35.5	1.5	-	2	-	1	1	-	33	79.2
DAVIS	LCS-KIKO	1697	Dur	Released	6073	664	8.52	15	12.57	0.65	4.06	20	62.2	43.8	36	1	-	1	-	1	1	-	30.8	75.5
DAVIS	UC 1796	1796	Dur	Advanced	6449	580	8.52	11	13.59	0.52	4.06	6	63.3	57.1	33.5	1.2	-	1	-	1	1	-	30.2	77.2
DAVIS	APB 571217	1810	Dur	Advanced	5228	546	8.52	22	14.04	0.56	4.06	1	63.8	50.1	36	1	-	1.8	-	1	1	-	31.2	79.5
DAVIS	APB 571353	1812	Dur	Advanced	5898	289	8.52	19	12.53	0.46	4.06	21	63.1	41.2	32	1	-	1.5	-	1	1	-	30.8	76.8
DAVIS	APB 335	1813	Dur	Advanced	4888	327	8.52	27	13.57	0.62	4.06	7	60.3	47.8	30.5	1	-	1	-	1.5	1	-	26	77
DAVIS	APB 540505	1822	DUR	Advanced	6464	116	8.52	10	12.67	0.59	4.06	18	64.5	45.8	32	1	-	1	-	1.2	1	-	28.2	75.2
DAVIS	APB 410077	1823	DUR	Advanced	4874	299	8.52	28	13.01	0.39	4.06	15	63.5	52.3	36.5	1.5	-	1	-	1.2	1	-	24	78.2
DAVIS	UC 15210-11	1824	DUR	Advanced	6785	502	8.52	7	12.61	0.38	4.06	19	60.7	41.1	38	1	-	1	-	1	1	-	40.5	78.8
DAVIS	UC 15210-12	1825	DUR	Advanced	7721	220	8.52	1	12.32	1.16	4.06	22	64.7	52.6	37.5	1.5	-	1	-	1	1	-	30.2	74.8
DAVIS	UC 15210-24	1826	DUR	Advanced	6830	452	8.52	6	12.02	0.92	4.06	24	64.1	51.4	39	1	-	1.5	-	1	1	-	32.8	76.5
DAVIS	APB 540165	1827	DUR	Advanced	5955	121	8.52	18	13.34	0.28	4.06	10	60.7	58.1	31	1	-	1	-	1	1	-	22.5	78
DAVIS	LCS 12E4006	1832	DUR	Advanced	6731	727	8.52	9	11.69	0.19	4.06	28	64.8	47.7	33.5	1.5	-	1.2	-	1	1	-	40	78.5
DAVIS	LCS 13SD0056	1833	DUR	Advanced	6900	135	8.52	5	12.02	0.22	4.06	24	65.5	45.1	31	1.7	-	1.7	-	1	1	-	34	76

Table 43. 2016 Durum Wheat, Fresno.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	Stdev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
FRESNO	APB-KRONOS	951	Dur	Released	7133	388	5.26	22	11.84	1.16	4.67	12	63.6	76.3	-	6	-	3	-	-	-	-	-	-
FRESNO	WB-ORITA	1215	Dur	Released	7028	108	5.26	24	11.69	0.61	4.67	15	63.3	69.5	-	1.2	-	3.2	-	-	-	-	-	-
FRESNO	UC-DESERT KING	1375	Dur	Released	7618	462	5.26	13	11.44	0.51	4.67	19	65.8	71	-	1	-	1	-	-	-	-	-	-
FRESNO	SY-FORTISSIMO	1429	Dur	Released	7686	340	5.26	11	11.98	0.9	4.67	10	63.6	65.8	-	1.5	-	1	-	-	-	-	-	-
FRESNO	SY-VOLANTE	1431	Dur	Released	7525	405	5.26	16	11.37	0.7	4.67	22	65.4	78.2	-	1.2	-	1	-	-	-	-	-	-
FRESNO	APB-HELIOS	1440	Dur	Released	7131	397	5.26	23	12.14	0.49	4.67	6	63.1	68.3	-	3	-	1.8	-	-	-	-	-	-
FRESNO	WB-HAVASU	1479	Dur	Released	6563	345	5.26	26	12.41	0.79	4.67	2	64.3	71.7	-	2.5	-	2.5	-	-	-	-	-	-
FRESNO	APB-WESTMORE HP	1484	Dur	Released	7560	605	5.26	15	11.37	0.5	4.67	21	64.5	61.1	-	3.8	-	1	-	-	-	-	-	-
FRESNO	AS-MAESTRALE	1582	Dur	Released	6613	376	5.26	25	11.04	0.24	4.67	27	64.8	74.3	-	2	-	1.5	-	-	-	-	-	-
FRESNO	AS-SARAGOLLA	1583	Dur	Released	7389	260	5.26	17	11.15	0.11	4.67	26	64.1	69.7	-	1.5	-	1.8	-	-	-	-	-	-
FRESNO	WB-MEAD	1607	Dur	Released	7837	554	5.26	5	11.47	0.12	4.67	18	62.3	67	-	1	-	1.8	-	-	-	-	-	-
FRESNO	UC-DESERT KING-HP	1627	Dur	Released	7193	462	5.26	20	12.5	0.46	4.67	1	63.4	67.5	-	1	-	1	-	-	-	-	-	-
FRESNO	APB-TIBURON	1640	Dur	Released	7763	479	5.26	8	12.31	0.75	4.67	4	63.4	79.5	-	3.2	-	1	-	-	-	-	-	-
FRESNO	WB-MOHAVE	1654	Dur	Released	6546	163	5.26	27	11.74	0.32	4.67	14	64	67.4	-	1	-	3.5	-	-	-	-	-	-
FRESNO	UC-MIWOK	1690	Dur	Released	7808	244	5.26	6	11.78	0.68	4.67	13	65	72.2	-	1.5	-	2.5	-	-	-	-	-	-
FRESNO	LCS-KIKO	1697	Dur	Released	7966	433	5.26	2	11.49	0.37	4.67	17	63.6	73.2	-	2.8	-	1.8	-	-	-	-	-	-
FRESNO	UC 1796	1796	Dur	Advanced	7576	618	5.26	14	12.04	0.75	4.67	8	66	77	-	1	-	1.2	-	-	-	-	-	-
FRESNO	APB 571217	1810	Dur	Advanced	7161	382	5.26	21	12.39	0.19	4.67	3	65.2	72.5	-	1	-	1.8	-	-	-	-	-	-
FRESNO	APB 571353	1812	Dur	Advanced	7680	420	5.26	12	11.89	0.58	4.67	11	64.8	69.8	-	1.5	-	2	-	-	-	-	-	-
FRESNO	APB 335	1813	Dur	Advanced	7270	152	5.26	19	12.03	0.52	4.67	9	63.8	72.8	-	1.2	-	1	-	-	-	-	-	-
FRESNO	APB 540505	1822	DUR	Advanced	7690	258	5.26	10	11.29	0.36	4.67	24	66.2	65.7	-	2	-	2.2	-	-	-	-	-	-
FRESNO	APB 410077	1823	DUR	Advanced	6512	319	5.26	28	12.06	0.22	4.67	7	64	75	-	4.5	-	1.2	-	-	-	-	-	-
FRESNO	UC 15210-11	1824	DUR	Advanced	7301	554	5.26	18	12.15	0.8	4.67	5	63.3	69.6	-	1	-	1	-	-	-	-	-	-
FRESNO	UC 15210-12	1825	DUR	Advanced	8034	482	5.26	1	11.39	0.49	4.67	20	66	71.5	-	2.5	-	1	-	-	-	-	-	-
FRESNO	UC 15210-24	1826	DUR	Advanced	7773	496	5.26	7	11.5	0.97	4.67	16	65.5	75.8	-	2.8	-	2.2	-	-	-	-	-	-
FRESNO	APB 540165	1827	DUR	Advanced	7874	529	5.26	4	11.34	0.5	4.67	23	63.9	78.2	-	1.8	-	1	-	-	-	-	-	-
FRESNO	LCS 12E4006	1832	DUR	Advanced	7729	380	5.26	9	10.8	0.48	4.67	28	65.3	74.5	-	1.2	-	1.2	-	-	-	-	-	-
FRESNO	LCS 13SD0056	1833	DUR	Advanced	7939	316	5.26	3	11.18	0.73	4.67	25	64.4	70.7	-	4	-	1.8	-	-	-	-	-	-

Table 44. 2016 Durum Wheat, Fresno2.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	StDev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
FRESNO2	APB-KRONOS	951	Dur	Released	6877	423	5.65	26	13.73	0.22	1.55	11	62.6	62.5	34	1.8	-	4	-	-	-	-	-	-
FRESNO2	WB-ORITA	1215	Dur	Released	7062	299	5.65	25	14.06	0.47	1.55	4	60.3	52.9	37.5	1.2	-	3.2	-	-	-	-	-	-
FRESNO2	UC-DESERT KING	1375	Dur	Released	9509	160	5.65	1	13	0.12	1.55	24	64.1	57.1	38	1	-	1	-	-	-	-	-	-
FRESNO2	SY-FORTISSIMO	1429	Dur	Released	8098	507	5.65	16	13.75	0.21	1.55	9	62.6	49	34.5	1	-	1	-	-	-	-	-	-
FRESNO2	SY-VOLANTE	1431	Dur	Released	7612	736	5.65	21	12.73	0.16	1.55	26	63.6	63.7	33.5	1	-	1	-	-	-	-	-	-
FRESNO2	APB-HELIOS	1440	Dur	Released	7906	344	5.65	18	13.45	0.31	1.55	18	63.5	54.9	34.5	1	-	3	-	-	-	-	-	-
FRESNO2	WB-HAVASU	1479	Dur	Released	7263	212	5.65	23	13.67	0.33	1.55	12	63.5	55.4	37	1	-	3.5	-	-	-	-	-	-
FRESNO2	APB-WESTMORE HP	1484	Dur	Released	8136	1142	5.65	12	14.62	0.12	1.55	1	63.3	46.5	34.5	4.5	-	1	-	-	-	-	-	-
FRESNO2	AS-MAESTRALE	1582	Dur	Released	5809	-	5.65	28	13.86	-	1.55	8	-	-	37	1	-	2	-	-	-	-	-	-
FRESNO2	AS-SARAGOLLA	1583	Dur	Released	7254	247	5.65	24	13.15	0.18	1.55	20	63	57.3	34.5	1	-	1.8	-	-	-	-	-	-
FRESNO2	WB-MEAD	1607	Dur	Released	7533	495	5.65	22	13.63	0.11	1.55	14	61.9	50.1	37.5	1	-	2	-	-	-	-	-	-
FRESNO2	UC-DESERT KING-HP	1627	Dur	Released	8686	353	5.65	5	14.45	0.24	1.55	2	62.1	49.7	35.5	1	-	1	-	-	-	-	-	-
FRESNO2	APB-TIBURON	1640	Dur	Released	8107	500	5.65	15	13.55	0.24	1.55	15	63.1	65.3	33.5	1	-	1	-	-	-	-	-	-
FRESNO2	WB-MOHAVE	1654	Dur	Released	6847	311	5.65	27	13.9	0.15	1.55	6	62.3	49.7	38.5	1	-	4.2	-	-	-	-	-	-
FRESNO2	UC-MIWOK	1690	Dur	Released	8108	817	5.65	14	13.53	0.08	1.55	17	64.3	61.7	34.5	1.2	-	2.5	-	-	-	-	-	-
FRESNO2	LCS-KIKO	1697	Dur	Released	8801	228	5.65	4	13.55	0.33	1.55	16	62.8	59.7	36.5	1.8	-	1.2	-	-	-	-	-	-
FRESNO2	UC 1796	1796	Dur	Advanced	8470	238	5.65	9	13.93	0.43	1.55	5	64.6	59.8	34	1	-	2	-	-	-	-	-	-
FRESNO2	APB 571217	1810	Dur	Advanced	8424	588	5.65	10	13.12	0.09	1.55	21	65	55.6	35.5	1	-	2.2	-	-	-	-	-	-
FRESNO2	APB 571353	1812	Dur	Advanced	8006	225	5.65	17	12.79	0.26	1.55	25	63.7	54.1	35	1	-	2.2	-	-	-	-	-	-
FRESNO2	APB 335	1813	Dur	Advanced	7720	786	5.65	20	13.74	0.25	1.55	10	63.1	53.7	30	1	-	1	-	-	-	-	-	-
FRESNO2	APB 540505	1822	DUR	Advanced	8125	591	5.65	13	13.05	0.09	1.55	22	64.9	51.3	33.5	1.2	-	2.8	-	-	-	-	-	-
FRESNO2	APB 410077	1823	DUR	Advanced	7735	240	5.65	19	13.65	0.11	1.55	13	63.1	60.1	34	1.8	-	1	-	-	-	-	-	-
FRESNO2	UC 15210-11	1824	DUR	Advanced	8955	308	5.65	2	13.86	0.03	1.55	7	62.4	55.6	39	1	-	1	-	-	-	-	-	-
FRESNO2	UC 15210-12	1825	DUR	Advanced	8386	761	5.65	11	14.2	0.4	1.55	3	63.2	57.7	34	3.2	-	1	-	-	-	-	-	-
FRESNO2	UC 15210-24	1826	DUR	Advanced	8672	426	5.65	6	13.03	0.14	1.55	23	64.3	62.4	39	1	-	2.2	-	-	-	-	-	-
FRESNO2	APB 540165	1827	DUR	Advanced	8860	374	5.65	3	13.22	0.19	1.55	19	63.4	61	34.5	1	-	1	-	-	-	-	-	-
FRESNO2	LCS 12E4006	1832	DUR	Advanced	8574	273	5.65	8	12.54	0.17	1.55	27	65	58.6	34.5	1	-	1	-	-	-	-	-	-
FRESNO2	LCS 13SD0056	1833	DUR	Advanced	8589	622	5.65	7	12.39	0.22	1.55	28	64.3	51.4	34.5	2.5	-	2	-	-	-	-	-	-

Table 45. 2016 Durum Wheat, Imperial.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	Stdev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity
IMPERIAL	APB-KRONOS	951	Dur	Released	6925	184	6.56	16	13.20	0.07	1.05	10	61.8	-	31.8	3	1.5	-	-	-	-	-	-	-
IMPERIAL	WB-ORITA	1215	Dur	Released	7705	508	6.56	4	13.04	0.11	1.05	15	61.8	-	31	2.2	1	-	-	-	-	-	-	-
IMPERIAL	UC-DESERT KING	1375	Dur	Released	7376	192	6.56	6	13.04	0.15	1.05	15	61.5	-	29.5	3.2	1.5	-	-	-	-	-	-	-
IMPERIAL	SY-FORTISSIMO	1429	Dur	Released	6760	354	6.56	21	12.79	0.04	1.05	18	61.2	-	29.5	2	1	-	-	-	-	-	-	-
IMPERIAL	SY-VOLANTE	1431	Dur	Released	6716	361	6.56	22	11.93	0.23	1.05	26	62	-	29	2.8	1	-	-	-	-	-	-	-
IMPERIAL	APB-HELIOS	1440	Dur	Released	6938	665	6.56	15	13.20	0.07	1.05	10	62.5	-	29.5	2.5	1.8	-	-	-	-	-	-	-
IMPERIAL	WB-HAVASU	1479	Dur	Released	6390	857	6.56	25	13.33	0.11	1.05	7	63	-	32.2	1.8	1	-	-	-	-	-	-	-
IMPERIAL	APB-WESTMORE HP	1484	Dur	Released	6334	153	6.56	26	13.84	0.08	1.05	2	60.8	-	31	1.5	1	-	-	-	-	-	-	-
IMPERIAL	AS-MAESTRALE	1582	Dur	Released	4552	-	6.56	28	13.78	-	1.05	4	63	-	31	2	1	-	-	-	-	-	-	-
IMPERIAL	AS-SARAGOLLA	1583	Dur	Released	6214	415	6.56	27	12.37	0.11	1.05	24	63	-	31	1.8	1	-	-	-	-	-	-	-
IMPERIAL	WB-MEAD	1607	Dur	Released	6921	933	6.56	17	13.80	0.11	1.05	3	61.8	-	31	2.5	1.8	-	-	-	-	-	-	-
IMPERIAL	UC-DESERT KING-HP	1627	Dur	Released	6411	460	6.56	24	14.19	0.11	1.05	1	59.2	-	30.2	2	1	-	-	-	-	-	-	-
IMPERIAL	APB-TIBURON	1640	Dur	Released	7239	396	6.56	7	12.92	0.22	1.05	17	61.2	-	31	1.5	1.2	-	-	-	-	-	-	-
IMPERIAL	WB-MOHAVE	1654	Dur	Released	7239	391	6.56	8	13.58	0.07	1.05	5	62	-	31.2	1.2	1	-	-	-	-	-	-	-
IMPERIAL	UC-MIWOK	1690	Dur	Released	7773	424	6.56	3	12.75	0.11	1.05	22	62.5	-	30.8	2.2	1.8	-	-	-	-	-	-	-
IMPERIAL	LCS-KIKO	1697	Dur	Released	7205	139	6.56	10	12.05	0.07	1.05	25	62.5	-	31.8	2.5	1.2	-	-	-	-	-	-	-
IMPERIAL	UC 1796	1796	Dur	Advanced	7890	279	6.56	1	13.08	0.04	1.05	13	63	-	29.5	2.2	1.8	-	-	-	-	-	-	-
IMPERIAL	APB 571217	1810	Dur	Advanced	7553	235	6.56	5	12.79	0.08	1.05	20	63	-	28.5	2.8	2.8	-	-	-	-	-	-	-
IMPERIAL	APB 571353	1812	Dur	Advanced	6885	722	6.56	18	12.50	0.27	1.05	23	62	-	29.5	1.8	1	-	-	-	-	-	-	-
IMPERIAL	APB 335	1813	Dur	Advanced	7221	593	6.56	9	13.24	0.22	1.05	8	61.8	-	26	1.8	1.8	-	-	-	-	-	-	-
IMPERIAL	APB 540505	1822	DUR	Advanced	7019	480	6.56	13	13.04	0.15	1.05	15	64	-	30	2.2	1.5	-	-	-	-	-	-	-
IMPERIAL	APB 410077	1823	DUR	Advanced	6615	213	6.56	23	13.20	0.13	1.05	9	63	-	30.8	1.5	1	-	-	-	-	-	-	-
IMPERIAL	UC 15210-11	1824	DUR	Advanced	6880	1015	6.56	19	13.17	0.18	1.05	12	59.8	-	29.2	1.5	1.2	-	-	-	-	-	-	-
IMPERIAL	UC 15210-12	1825	DUR	Advanced	6828	272	6.56	20	13.39	0.07	1.05	6	62.5	-	32.2	3.2	1	-	-	-	-	-	-	-
IMPERIAL	UC 15210-24	1826	DUR	Advanced	7173	604	6.56	12	12.75	0.08	1.05	21	63.2	-	33	1.5	1.2	-	-	-	-	-	-	-
IMPERIAL	APB 540165	1827	DUR	Advanced	7012	494	6.56	14	12.79	0.3	1.05	20	61.5	-	28.5	1.8	1	-	-	-	-	-	-	-
IMPERIAL	LCS 12E4006	1832	DUR	Advanced	7799	688	6.56	2	11.71	0.04	1.05	27	64	-	31	1.8	1.2	-	-	-	-	-	-	-
IMPERIAL	LCS 13SD0056	1833	DUR	Advanced	7175	295	6.56	11	11.57	0.07	1.05	28	63.5	-	31.5	2.2	1	-	-	-	-	-	-	-

Table 46. 2016 Durum Wheat, Kern.

Trial	Name	Entry Number	Crop Type	Status	Yield (lb/acre)	StDev, Yield	Yield CV%	Yield rank	Protein (%)	Stdev, Protein	Protein CV%	Protein rank	Test Weight (lb/bu)	1000 Kernel Weight (g)	Plant Height (inches)	Lodging	Shattering	Stripe Rust early	Stripe Rust late	BYDV	Leaf Rust	Septoria Rust	D to Heading	D to Maturity	
KERN	APB-KRONOS	951	Dur	Released	6371	398	12.76	3	15.43	0.12	2.43	23	57	63	34.5	5.8	-	1	-	-	-	-	-	-	
KERN	WB-ORITA	1215	Dur	Released	5077	1071	12.76	15	16.64	0.21	2.43	5	59	55	32.5	2.5	-	1	-	-	-	-	-	-	-
KERN	UC-DESERT KING	1375	Dur	Released	4960	1009	12.76	16	16.55	0.64	2.43	7	56.9	55	34.5	1.8	-	1	-	-	-	-	-	-	-
KERN	SY-FORTISSIMO	1429	Dur	Released	4473	899	12.76	23	16.56	0.9	2.43	6	57.5	46.8	36	1	-	1	-	-	-	-	-	-	-
KERN	SY-VOLANTE	1431	Dur	Released	4919	521	12.76	17	16.25	1.02	2.43	12	59	63.5	33.5	1.8	-	1	-	-	-	-	-	-	-
KERN	APB-HELIOS	1440	Dur	Released	5957	474	12.76	5	15.11	0.32	2.43	26	58.7	57.2	34	2.8	-	1	-	-	-	-	-	-	-
KERN	WB-HAVASU	1479	Dur	Released	5541	484	12.76	12	15.57	0.33	2.43	19	60.5	57.5	37	3	-	1	-	-	-	-	-	-	-
KERN	APB-WESTMORE HP	1484	Dur	Released	4565	584	12.76	22	16.32	0.31	2.43	10	57.9	45.1	34	7.8	-	1	-	-	-	-	-	-	-
KERN	AS-MAESTRALE	1582	Dur	Released	4799	717	12.76	20	15.04	0.79	2.43	28	57.1	52.4	40	4.8	-	1	-	-	-	-	-	-	-
KERN	AS-SARAGOLLA	1583	Dur	Released	4437	330	12.76	24	15.69	0.54	2.43	17	57.3	55	34	4.8	-	1	-	-	-	-	-	-	-
KERN	WB-MEAD	1607	Dur	Released	3677	696	12.76	28	17.48	0.18	2.43	1	55.1	44	36.5	2.8	-	1	-	-	-	-	-	-	-
KERN	UC-DESERT KING-HP	1627	Dur	Released	4334	381	12.76	25	17.17	0.37	2.43	2	54.8	47.5	34	3.2	-	1	-	-	-	-	-	-	-
KERN	APB-TIBURON	1640	Dur	Released	5710	560	12.76	9	15.67	0.17	2.43	18	57.6	58.5	33	2	-	1	-	-	-	-	-	-	-
KERN	WB-MOHAVE	1654	Dur	Released	5685	817	12.76	10	15.57	0.48	2.43	20	59	52.5	35.5	1.2	-	2	-	-	-	-	-	-	-
KERN	UC-MIWOK	1690	Dur	Released	5604	700	12.76	11	16.23	0.28	2.43	13	58.7	60.4	34	2.5	-	1	-	-	-	-	-	-	-
KERN	LCS-KIKO	1697	Dur	Released	5803	340	12.76	7	15.29	0.09	2.43	24	58.9	60.1	37.5	6.2	-	1	-	-	-	-	-	-	-
KERN	UC 1796	1796	Dur	Advanced	6551	508	12.76	1	15.76	0.17	2.43	16	58.1	65.5	35.5	1.2	-	1	-	-	-	-	-	-	-
KERN	APB 571217	1810	Dur	Advanced	6137	394	12.76	4	15.8	0.37	2.43	14	61.4	65.3	32	1	-	1	-	-	-	-	-	-	-
KERN	APB 571353	1812	Dur	Advanced	5440	919	12.76	13	15.48	0.48	2.43	21	57.6	50.5	34	3.8	-	1.2	-	-	-	-	-	-	-
KERN	APB 335	1813	Dur	Advanced	4751	230	12.76	21	16.51	0.05	2.43	8	58.4	62.1	29.5	1	-	1	-	-	-	-	-	-	-
KERN	APB 540505	1822	DUR	Advanced	6386	880	12.76	2	15.09	0.4	2.43	27	61.2	57.4	36	3	-	1	-	-	-	-	-	-	-
KERN	APB 410077	1823	DUR	Advanced	5887	334	12.76	6	15.48	0.23	2.43	22	59.1	60.6	35	1.8	-	1	-	-	-	-	-	-	-
KERN	UC 15210-11	1824	DUR	Advanced	4812	914	12.76	19	16.27	0.63	2.43	11	56.7	45.8	37	5.5	-	1	-	-	-	-	-	-	-
KERN	UC 15210-12	1825	DUR	Advanced	4869	776	12.76	18	16.86	0.23	2.43	3	58.6	48.5	33.5	5.8	-	1	-	-	-	-	-	-	-
KERN	UC 15210-24	1826	DUR	Advanced	5392	490	12.76	14	15.14	0.17	2.43	25	60.1	55.9	39	4	-	1	-	-	-	-	-	-	-
KERN	APB 540165	1827	DUR	Advanced	5711	952	12.76	8	15.76	0.21	2.43	15	56.9	55	35	3	-	1	-	-	-	-	-	-	-
KERN	LCS 12E4006	1832	DUR	Advanced	3949	1201	12.76	26	16.65	0.82	2.43	4	58.4	47	36	5.8	-	1	-	-	-	-	-	-	-
KERN	LCS 13SD0056	1833	DUR	Advanced	3893	1018	12.76	27	16.4	0.36	2.43	9	58.3	45.4	33.5	6.2	-	1	-	-	-	-	-	-	-