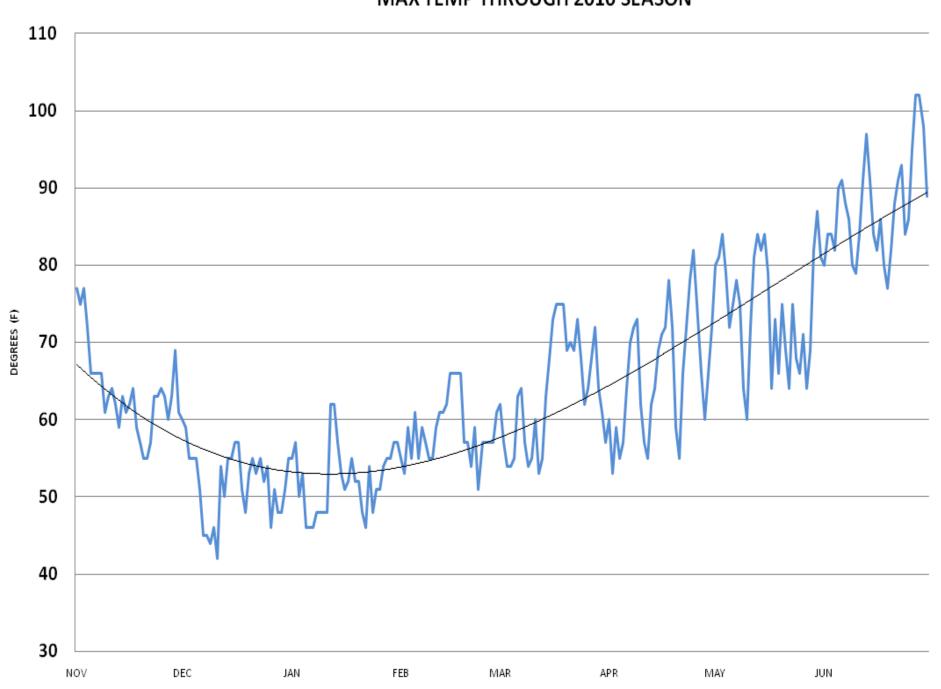
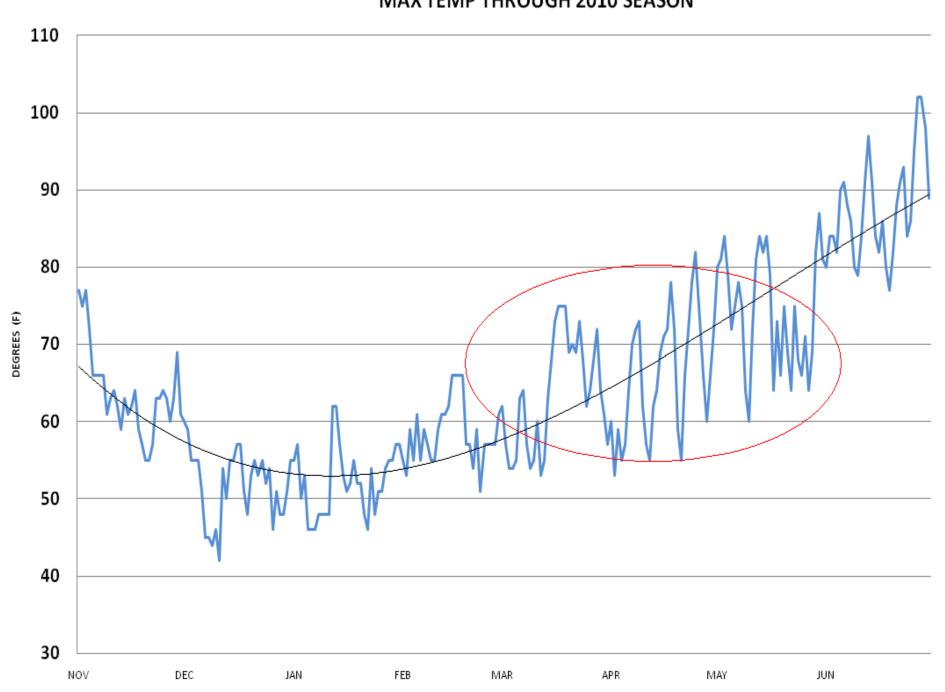


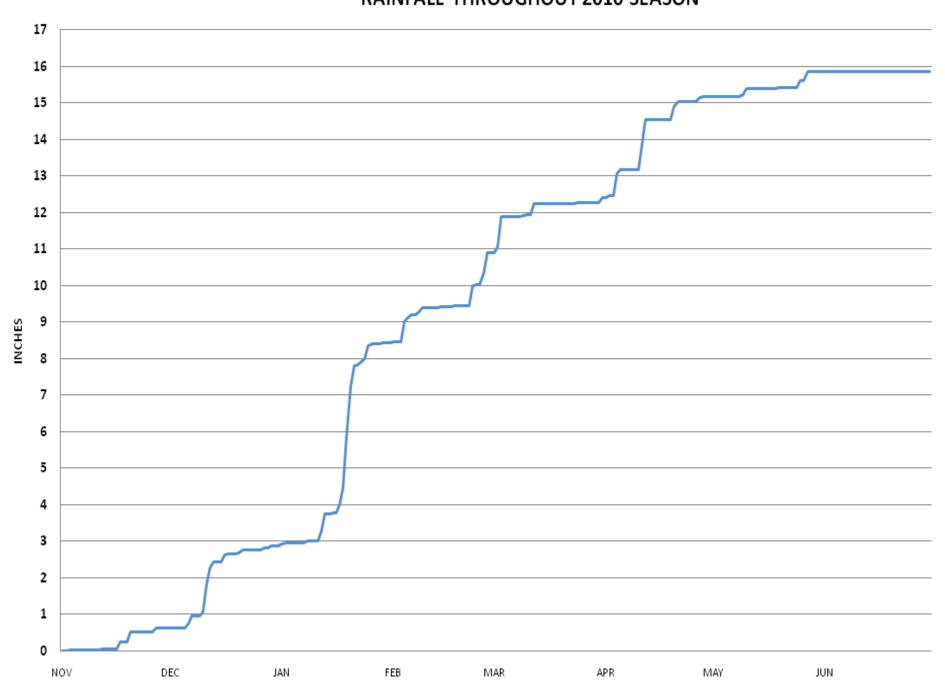
MAX TEMP THROUGH 2010 SEASON

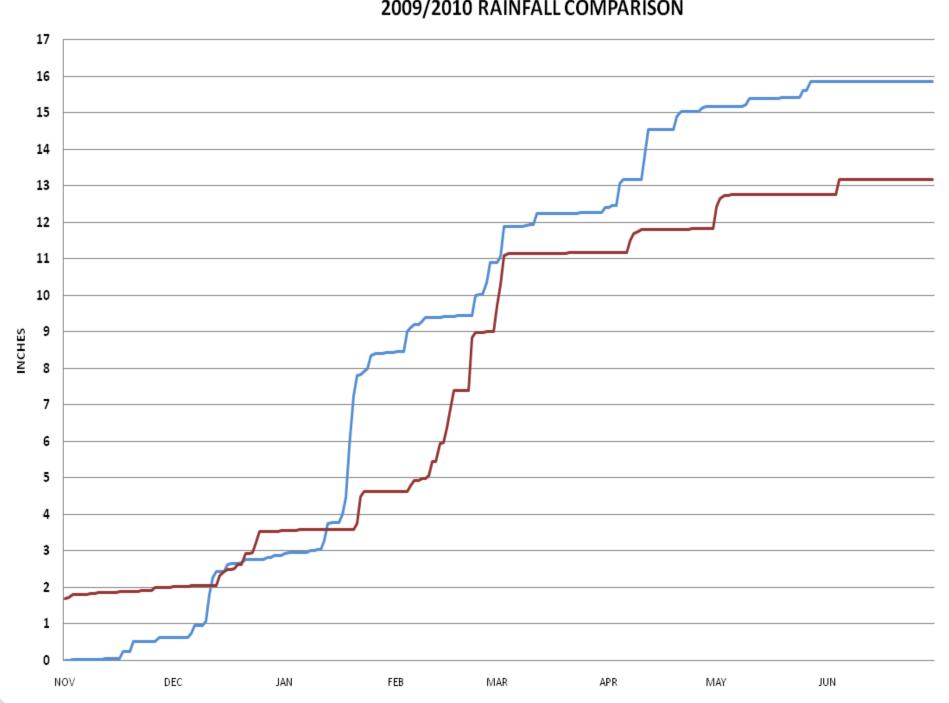


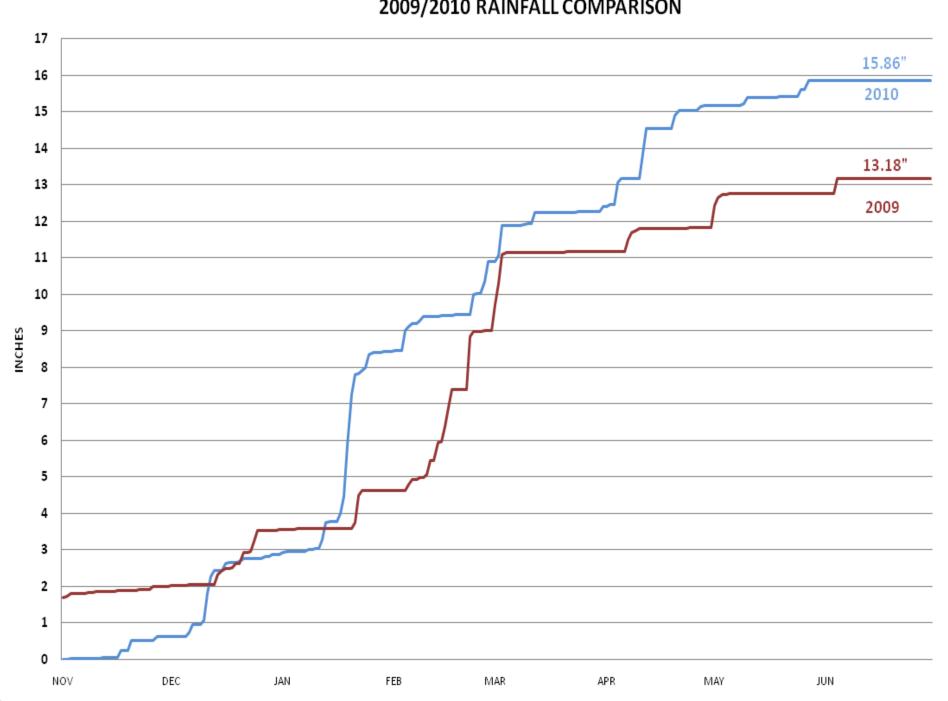
MAX TEMP THROUGH 2010 SEASON

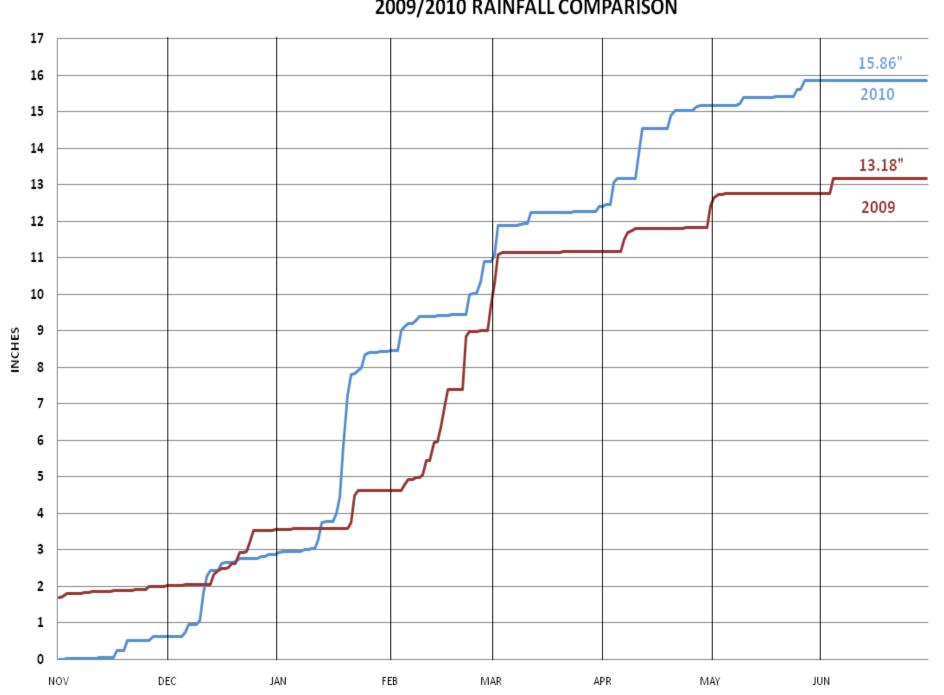


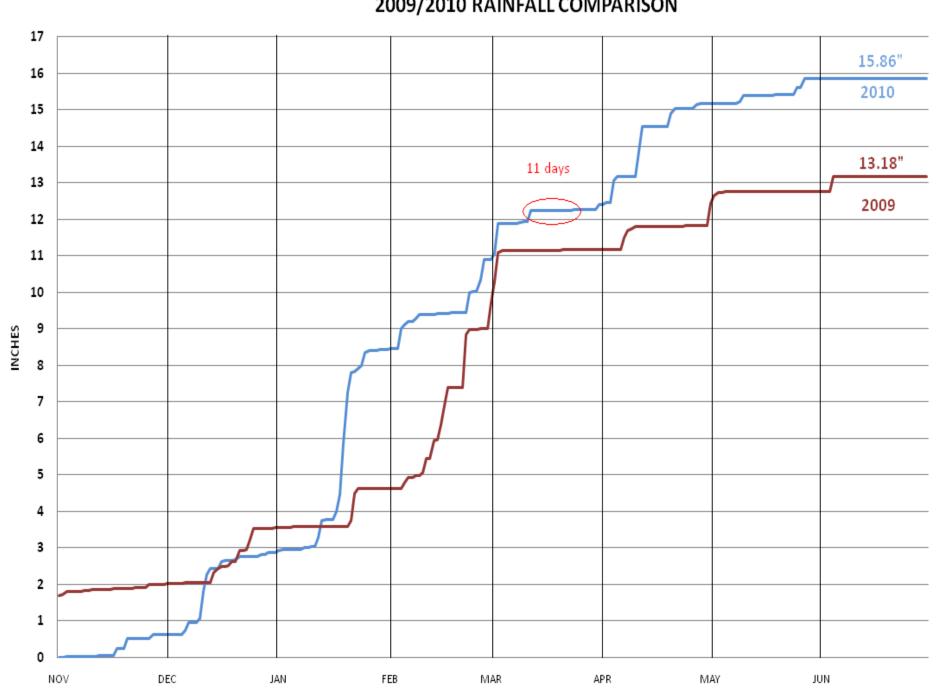
RAINFALL THROUGHOUT 2010 SEASON











•In 2009, the Collaboratives were moved to UC Davis to have more control over planting and growing conditions

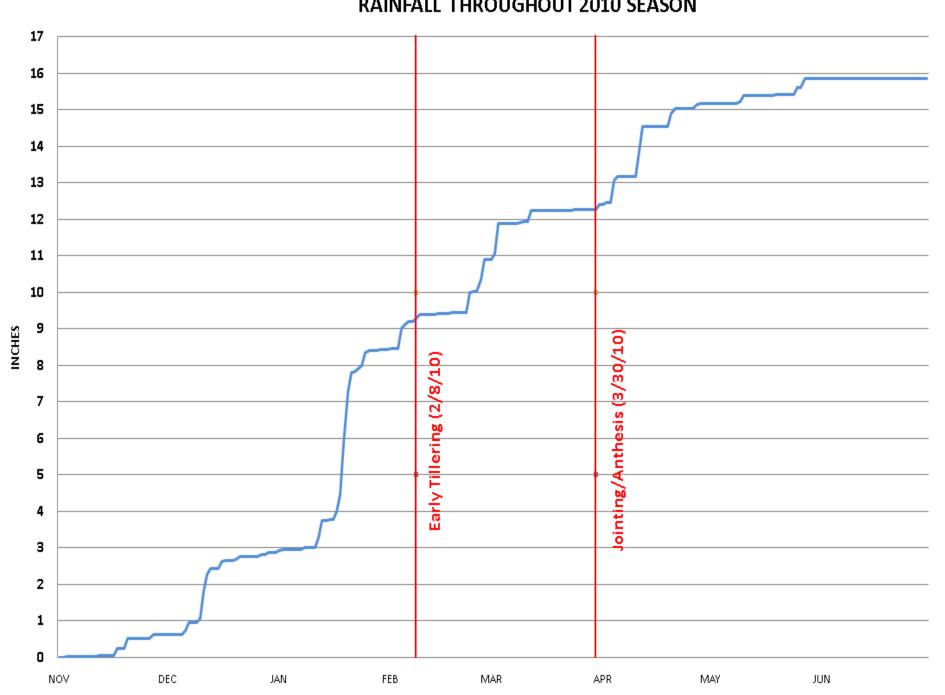
Last year topics:

Nitrogen application

Last year 3 applications: Tillering, Jointing, Anthesis

Reduce by 1 application to more closely represent conditions farmers could cost-effectively reproduce

RAINFALL THROUGHOUT 2010 SEASON



		Grain Yield	1 (lb/acre)	Disease
Entry	Name	Sac Valley	SJ Valley	SR
		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
1638	APB W11-6	3590	5600	2.75
1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

11 Entries

11 Entries

4 HWW

		Grain Yiel	d (lb/acre)	Disease
Entry	Name	Sac Valley	SJ Valley	SR
		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
1638	APB W11-6	3590	5600	2.75
1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

		Grain Yield	d (lb/acre)	Disease
Entry	Name	Sac Valley	SJ Valley	SR
		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
1638	APB W11-6	3590	5600	2.75
1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

11 Entries

4 HWW

7 HRW

		Grain Yiel	d (lb/acre)	Disease
Entry	Name	Sac Valley	SJ Valley	SR
		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
1638	APB W11-6	3590	5600	2.75
1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

2010 UC	DAVIS COLLABORATIVE TRIALS
WHEAT	DURUM



•In 2009, the Collaboratives were moved to UC Davis to have more control over planting and growing conditions

Last year topics:

Nitrogen application

Last year 3 applications: Tillering, Jointing, Anthesis

Reduce by 1 application to more closely represent conditions farmers could cost-effectively reproduce

Reproducibility of Milling Results

Homogenize 3 reps, send as separate samples.

		Grain Yiel	d (lb/acre)	Disease
Entry	Name	Sac Valley	SJ Valley	SR
		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
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1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

		Grain Yiel	d (lb/acre)	Disease
Entry	Name	Sac Valley	<u> </u>	SR
-		(3 Loc)	(3 Loc)	Davis
1156	BLANCA GRANDE	6500	7750	4.5
1599	UCD 07013/24	7260	7930	1.25
1600	UCD 07013/30	6800	7940	1
1608	WWW CNBR9330	5230	6410	1
1616	UCD 0810/5	6120	6970	3
1638	APB W11-6	3590	5600	2.75
1642	UCD 09013/4	6130	6730	2
1643	UCD 09014/16	5440	7180	4.25
1650	WB-Rockland	6550	6700	1
1659	RSI 05W90192	6640	7480	1
1660	RSI 05W90314	7660	7940	1
1673	WWW CNBR9302	5260	6850	1

		Grain Yiel	d (lb/acre)
Entry	Name	SJ Valley	IA
		(3 loc/yr)	(1 loc/yr)
951	KRONOS	7290	8350
1582	MAESTRALE *	8170	8010
1583	SARAGOLLA *	6810	8790
1435	WWW D8270	7030	7970
1585	UCD 06222/53	7400	8890
1589	NORMANO *	6340	7430
1628	UCD 08201/20	6960	8340
1629	UCD 08201/21	8200	8970
1640	APB D1-2	8030	8570
1641	APB D2-97	8390	8830
1644	UCD 09210/17	6330	8420
1645	UCD 09213/30	8560	8310
1646	UCD 09220/135	8170	8740
1656	WB SJ807-006	7430	-
1674	TANGO	5980	7470

14 Entries

^{*} not grown in all SJ Valley Locations

		Grain Yiel	d (lb/acre)
Entry	Name	SJ Valley	IA
		(3 loc/yr)	(1 loc/yr)
951	KRONOS	7290	8350
1582	MAESTRALE *	8170	8010
1583	SARAGOLLA *	6810	8790
1435	WWW D8270	7030	7970
1585	UCD 06222/53	7400	8890
1589	NORMANO *	6340	7430
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1629	UCD 08201/21	8200	8970
1640	APB D1-2	8030	8570
1641	APB D2-97	8390	8830
1644	UCD 09210/17	6330	8420
1645	UCD 09213/30	8560	8310
1646	UCD 09220/135	8170	8740
1656	WB SJ807-006	7430	-
1674	TANGO	5980	7470

^{*} not grown in all SJ Valley Locations

2010 UC	DAVIS COLLABORATIVE TRIALS
WHEAT	DURUM

16	00	115	6-B	16	59	14	35	16	28	16	44	16	75
	3		8		13		2		7		12		17
1599 2	1608 4	1642 7	1643 9	1651	1660 14	951-A	1582 3	1589	1629	1641	1645	1674 16	1676 18
1156-A 1		1638 6	1647	1650 11	1673 15	1156-C	1583	1585	1640	951-B	1646 14	1656	951-C

		Grain Yiel	d (lb/acre)
Entry	Name	SJ Valley	ΙV
		(3 loc/yr)	(1 loc/yr)
951	KRONOS	7290	8350
1582	MAESTRALE *	8170	8010
1583	SARAGOLLA *	6810	8790
1435	WWW D8270	7030	7970
1585	UCD 06222/53	7400	8890
1589	NORMANO *	6340	7430
1628	UCD 08201/20	6960	8340
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1640	APB D1-2	8030	8570
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1645	UCD 09213/30	8560	8310
1646	UCD 09220/135	8170	8740
1656	WB SJ807-006	7430	-
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		Grain Yiel	d (lb/acre)
Entry	Name	SJ Valley	IA
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1628	UCD 08201/20	6960	8340
1629	UCD 08201/21	8200	8970
1640	APB D1-2	8030	8570
1641	APB D2-97	8390	8830
1644	UCD 09210/17	6330	8420
1645	UCD 09213/30	8560	8310
1646	UCD 09220/135	8170	8740
1656	WB SJ807-006	7430	-
1674	TANGO	5980	7470

^{*} not grown in all SJ Valley Locations





Collaborating Mills



ADM - Wheat

Bay State Milling – Wheat and Durum

Cargill – Wheat

Cereal Food Processors, Inc. – Wheat

ConAgra – Wheat and Durum

California Wheat Commission – Wheat and Durum

				Pro	tein					TEST W	EIGHT					TKW		
				Cereal	Bay	Hor.				Cereal	Bay	Hor.				Cereal	Hor.	
ID Entry	Name	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	Mil.	Conagra
2 1600	UCD 07013/30	12.3	12.0	12.3	12.3	12.4	12.1	63.6	64.1	63.9	64.8	64.1	63.8	52.4	45.3	44.2	48.1	46.4
3 MIX-C	BLANCA GRANDE	11.9	12.3	11.9	12.0	12.0	12.1	64.4	64.8	64.5	65.0	65.1	64.7	49.7	46.1	42.8	43.3	45.2
4 1673	WWW CNBR9302	9.0	9.5	8.3	9.1	8.9	9.2	63.1	64.0	62.4	63.1	63.9	63.6	41.7	39.3	40.2	40.9	40.1
5 1660	RSI 05W90314	9.9	11.3	10.8	11.0	10.9	11.3	63.1	63.5	63.4	63.0	63.5	63.2	49.2	43.8	41.2	43.6	44.6
6 1638	APB W11-6	12.6	12.8	11.8	11.5	12.0	12.5	63.6	64.2	64.1	64.0	64.1	64.1	55.6	50.3	46.6	46.4	50.7
7 1599	UCD 07013/24	10.3	11.2	10.6	11.6	10.8	11.1	62.9	62.9	62.9	63.2	62.9	62.9	44.3	38.5	40.0	37.0	39.0
8 MIX-A	BLANCA GRANDE	11.8	12.5	11.9	12.4	12.0	12.3	64.5	64.9	64.6	64.9	64.8	64.7	49.6	46.4	42.4	44.4	45.4
9 MIX-B	BLANCA GRANDE	11.7	12.1	11.6	12.4	11.7	12.0	64.4	65.1	64.6	65.1	64.8	64.9	49.5	45.7	45.4	45.6	46.4
10 1643	UCD 09014/16	10.7	12.0	11.9	12.5	12.5	12.5	64.0	64.2	64.0	64.2	64.2	64.2	49.2	46.7	42.2	41.7	42.8
12 1650	WB SJ908-247	12.3	13.5	13.0	13.0	13.0	13.4	64.2	63.7	64.2	64.2	64.8	64.0	46.1	44.2	44.0	42.2	41.4
13 1616	UCD 0810/5	11.3		11.5	11.6	11.6	11.8	63.5		64.2	64.0	64.3	64.3	46.7		45.0	45.1	45.8
14 1642	UCD 09013/4	12.7	11.9	11.5	11.6	11.6	11.8	63.0	63.9	63.7	63.7	63.6	63.5	47.7	46.3	44.4	44.2	45.2
15 1659	RSI 05W90192	11.5	12.1	11.4	11.7	11.7	11.8	64.4	64.5	64.3	64.2	65.0	64.7	40.8	46.1	43.0	43.6	43.6
16 1608	WWW CNBR9330	9.1	9.0	8.4	10.7	9.0	9.0	63.4	64.1	64.2	64.4	63.9	63.8	42.4	41.5	39.6	40.1	39.8
	AVERAGE	83%	92%	95%	86%	94%	94%	86%	82%	82%	83%	86%	89%	73%	79%	79%	79%	86%
Blanca G	Grande Variability	0.5%	1.6%	1.5%	1.9%	1.8%	1.0%	0.1%	0.2%	0.1%	0.2%	0.3%	0.2%	0.2%	0.8%	3.7%	2.6%	1.4%

				Pro	tein					TEST W	ÆIGHT					TKW		
				Cereal	Bay	Hor.				Cereal	Bay	Hor.				Cereal	Hor.	
ID Entry	Name	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	Mil.	Conagra
2 1600	UCD 07013/30	12.3	12.0	12.3	12.3	12.4	12.1	63.6	64.1	63.9	64.8	64.1	63.8	52.4	45.3	44.2	48.1	46.4
3 MIX-0	BLANCA GRANDE	119	12.3	119	12.0	12.0	12.1	64.4	64.8	64.5	65.0	65.1	64.7	49.7	46.l	42.8	43.3	45.2
4 1673	WWW CNBR9302	9.0	9.5	8.3	9.1	8.9	9.2	63.1	64.0	62.4	63.1	63.9	63.6	41.7	39.3	40.2	40.9	40.1
5 1660	RSI 05W90314	9.9	11.3	10.8	11.0	10.9	11.3	63.1	63.5	63.4	63.0	63.5	63.2	49.2	43.8	41.2	43.6	44.6
6 1638	APB W11-6	12.6	12.8	11.8	11.5	12.0	12.5	63.6	64.2	64.1	64.0	64.1	64.1	55.6	50.3	46.6	46.4	50.7
7 1599	UCD 07013/24	10.3	11.2	10.6	11.6	10.8	11.1	62.9	62.9	62.9	63.2	62.9	62.9	44.3	38.5	40.0	37.0	39.0
8 MIX-A	A BLANCA GRANDE	11.8	12.5	119	12.4	12.0	123	64.5	64.9	64.6	64.9	64.8	64.7	49.6	46.4	42.4	44.4	45.4
9 MIX-E	BLANCA GRANDE	11.7	12.1	11.6	12.4	11.7	12.0	64.4	65.1	64.6	65.1	64.8	64.9	49.5	45.7	45.4	45.6	46.4
10 1643	UCD 09014/16	10.7	12.0	11.9	12.5	12.5	12.5	64.0	64.2	64.0	64.2	64.2	64.2	49.2	46.7	42.2	41.7	42.8
12 1650	WB SJ908-247	12.3	13.5	13.0	13.0	13.0	13.4	64.2	63.7	64.2	64.2	64.8	64.0	46.1	44.2	44.0	42.2	41.4
13 1616	UCD 0810/5	11.3		11.5	11.6	11.6	11.8	63.5		64.2	64.0	64.3	64.3	46.7		45.0	45.1	45.8
14 1642	UCD 09013/4	12.7	11.9	11.5	11.6	11.6	11.8	63.0	63.9	63.7	63.7	63.6	63.5	47.7	46.3	44.4	44.2	45.2
15 1659	RSI 05W90192	11.5	12.1	11.4	11.7	11.7	11.8	64.4	64.5	64.3	64.2	65.0	64.7	40.8	46.1	43.0	43.6	43.6
16 1608	WWW CNBR9330	9.1	9.0	8.4	10.7	9.0	9.0	63.4	64.1	64.2	64.4	63.9	63.8	42.4	41.5	39.6	40.1	39.8
	<u> </u>																	
	AVERAGE	83%	92%	95%	86%	94%	94%	86%	82%	82%	83%	86%	89%	73%	79%	79%	79%	86%
Blanca	Grande Variability	0.5%	1.6%	1.5%	1.9%	1.8%	1.0%	0.1%	0.2%	0.1%	0.2%	0.3%	0.2%	0.2%	0.8%	3.7%	2.6%	1.4%
Sidired	orange randomey	0.070	2.070	2.570	2.370	2.070	2.570	01170	0.270	0.170	0.270	0.070	01270	3.2 /0	0.070	311.70	2.370	2.770

					Pro	tein					TEST V	VEIGHT	1				TKW		
					Cereal	Bay	Hor.				Cereal	Bay	Hor.	-			Cereal	Hor.	
ID E	ntry	Name	cwc	ADM	Food	State	Mil.	Conagra	cwc	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	Mil.	Conagra
2 10	600	UCD 07013/30	12.3	12.0	12.3	12.3	12.4	12.1	63.6	64.1	63.9	64.8	64.1	63.8	52.4	45.3	44.2	48.1	46.4
3 N	AIX-C	BLANCA GRANDE	11.9	12.3	11.9	12.0	12.0	12.1	64.4	64.8	64.5	65.0	65.1	64.7	49.7	46.1	42.8	43.3	45.2
4 1	673	WWW CNBR9302	9.0	9.5	8.3	9.1	8.9	9.2	63.1	64.0	62.4	63.1	63.9	63.6	41.7	39.3	40.2	40.9	40.1
5 10	660	RSI 05W90314	9.9	11.3	10.8	11.0	10.9	11.3	63.1	63.5	63.4	63.0	63.5	63.2	49.2	43.8	41.2	43.6	44.6
6 10	638	APB W11-6	12.6	12.8	11.8	11.5	12.0	12.5	63.6	64.2	64.1	64.0	64.1	64.1	55.6	50.3	46.6	46.4	50.7
7 1:	599	UCD 07013/24	10.3	11.2	10.6	11.6	10.8	11.1	62.9	62.9	62.9	63.2	62.9	62.9	44.3	38.5	40.0	37.0	39.0
8 N	MIX-A	BLANCA GRANDE	11.8	125	11.9	12.4	12.0	12.3	64.5	64.9	64.6	64.9	64.8	64.7	49.6	46.4	42.4	44.4	45.4
9 N	MX-B	BLANCA GRANDE	11.7	12.1	11.6	12.4	11.7	12.0	64.4	65.1	64.6	65.1	64.8	64.9	49.5	45.7	45.4	45.6	46.4
10 10	643	UCD 09014/16	10.7	12.0	11.9	12.5	12.5	12.5	64.0	64.2	64.0	64.2	64.2	64.2	49.2	46.7	42.2	41.7	42.8
12 10	650	WB SJ908-247	12.3	13.5	13.0	13.0	13.0	13.4	64.2	63.7	64.2	64.2	64.8	64.0	46.1	44.2	44.0	42.2	41.4
13 10	616	UCD 0810/5	11.3		11.5	11.6	11.6	11.8	63.5		64.2	64.0	64.3	64.3	46.7		45.0	45.1	45.8
14 1	642	UCD 09013/4	12.7	11.9	11.5	11.6	11.6	11.8	63.0	63.9	63.7	63.7	63.6	63.5	47.7	46.3	44.4	44.2	45.2
15 10	659	RSI 05W90192	11.5	12.1	11.4	11.7	11.7	11.8	64.4	64.5	64.3	64.2	65.0	64.7	40.8	46.1	43.0	43.6	43.6
16 10	608	WWW CNBR9330	9.1	9.0	8.4	10.7	9.0	9.0	63.4	64.1	64.2	64.4	63.9	63.8	42.4	41.5	39.6	40.1	39.8
	Α	VERAGE	83%	92%	95%	86%	94%	94%	86%	82%	82%	83%	86%	89%	73%	79%	79%	79%	86%
ple	anca G	rande Variability	0.5%	1.6%	1.5%	1.9%	1.8%	1.0%	0.1%	0.2%	0.1%	0.2%	0.3%	0.2%	0.2%	0.8%	3.7%	2.6%	1.4%
DIC	ailta Ol	lanue vanavinty	0.370	1.070	T.J/0	1.9/0	1.0/0	1.070	0.170	U.Z/0	0.170	0.270	U.3/0	U.Z/0	U.Z/0	U.O/0	3.170	Z.U/0	1.470
		7			7						7					,	7		

				Pro	tein					TEST W	EIGHT	1				TKW		
				Cereal	Bay	Hor.				Cereal	Bay	Hor.				Cereal	Hor.	
ID Entry	Name	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	Mil.	Conagra
2 1600	UCD 07013/30	12.3	12.0	12.3	12.3	12.4	12.1	63.6	64.1	63.9	64.8	64.1	63.8	52.4	45.3	44.2	48.1	46.4
3 MIX-0	C BLANCA GRANDE	11.9	12.3	119	12.0	12.0	12.1	64.4	64.8	64.5	65.0	65.1	64.7	49.7	46.1	42.8	43.3	45.2
4 1673	WWW CNBR9302	9.0	9.5	8.3	9.1	8.9	9.2	63.1	64.0	62.4	63.1	63.9	63.6	41.7	39.3	40.2	40.9	40.1
5 1660	RSI 05W90314	9.9	11.3	10.8	11.0	10.9	11.3	63.1	63.5	63.4	63.0	63.5	63.2	49.2	43.8	41.2	43.6	44.6
6 1638	APB W11-6	12.6	12.8	11.8	11.5	12.0	12.5	63.6	64.2	64.1	64.0	64.1	64.1	55.6	50.3	46.6	46.4	50.7
7 1599	UCD 07013/24	10.3	11.2	10.6	11.6	10.8	11.1	62.9	62.9	62.9	63.2	62.9	62.9	44.3	38.5	40.0	37.0	39.0
8 MIX-4	A BLANCA GRANDE	11.8	125	119	12.4	12.0	12.3	64.5	64.9	64.6	64.9	64.8	64.7	49.6	46.4	42.4	44.4	45.4
9 MIX-1	B BLANCA GRANDE	11.7	12.1	11.6	12.4	11.7	12.0	64.4	65.1	64.6	65.1	64.8	64.9	49.5	45.7	45.4	45.6	46.4
10 1643	UCD 09014/16	10.7	12.0	11.9	12.5	12.5	12.5	64.0	64.2	64.0	64.2	64.2	64.2	49.2	46.7	42.2	41.7	42.8
12 1650	WB SJ908-247	12.3	13.5	13.0	13.0	13.0	13.4	64.2	63.7	64.2	64.2	64.8	64.0	46.1	44.2	44.0	42.2	41.4
13 1616	UCD 0810/5	11.3		11.5	11.6	11.6	11.8	63.5		64.2	64.0	64.3	64.3	46.7		45.0	45.1	45.8
14 1642	UCD 09013/4	12.7	11.9	11.5	11.6	11.6	11.8	63.0	63.9	63.7	63.7	63.6	63.5	47.7	46.3	44.4	44.2	45.2
15 1659	RSI 05W90192	11.5	12.1	11.4	11.7	11.7	11.8	64.4	64.5	64.3	64.2	65.0	64.7	40.8	46.1	43.0	43.6	43.6
16 1608	WWW CNBR9330	9.1	9.0	8.4	10.7	9.0	9.0	63.4	64.1	64.2	64.4	63.9	63.8	42.4	41.5	39.6	40.1	39.8
	AVERAGE	83%	92%	95%	86%	94%	94%	86%	82%	82%	83%	86%	89%	73%	79%	79%	79%	86%
	1			1						1						1		
Blanca	Grande Variability	0.5%	1.6%	1,5%	1.9%	1.8%	1.0%	0.1%	0.2%	0.1%	0.2%	0.3%	0.2%	0.2%	0.8%	3.7%	2.6%	1.4%

				Far	inograpl	absorp	tion		Farinograph peak						Loaf volume				
					Cereal	Bay	Hor.				Cereal	Bay	Hor.				Cereal	Hor.	
ID	Entry	Name	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	State	Mil.	Conagra	cwc	ADM	Food	Mil.	Conagra
2	1600	UCD 07013/30	63.0	64.4	60.7	61.9	61.4	59.3	6.0	7.0	5	8.5	5.3	4.5	920	2800	2985	858	2500
3	MIX-C	BLANCA GRANDE	67.4	68.4	68.4	0.66	64.8	66.9	5.5	7.5	6	5.8	5.8	6.0	920	2750	3074	865	2525
4	1673	WWW CNBR9302	68.0	67.0	65.4	65.3	64.0	65.1	2.0	3.5	3	1.8	4.8	3.0	675	2500	2514	590	2175
5	1660	RSI 05W90314	64.2	66.8	63.8	62.3	62.9	62.7	3.5	5.5	5	6	4.5	4.0	775	2850	3015	820	2600
6	1638	APB W11-6	67.0	67.2	63.0	64.4	64.1	65.7	6.0	6.5	5	6.5	5.5	6.0	880	2800	2897	875	2575
7	1599	UCD 07013/24	65.2	65.4	62.1	62.7	63.6	63.9	3.5	5.0	5	5.3	4.0	4.5	800	2650	2897	805	2375
8	MIX-A	BLANCA GRANDE	67.6	70.2	68.2	66.3	65.5	67.6	5.5	12.5	5	5.2	5.5	6.0	920	2850	3103	848	2475
9	MIX-B	BLANCA GRANDE	67.8	70.0	65.0	65.6	65.7	67.6	5.0	12.0	5	4.5	4.5	5.5	920	2800	2926	913	2350
10	1643	UCD 09014/16	69.2	70.7	68.2	67.1	67.6	67.5	5.0	5.5	5	4.5	4.5	5.5	760	2550	2838	838	2350
12	1650	WB SJ908-247	69.8	72.4	68.9	66.0	67.0	68.4	4.8	8.0	6	4.8	6.5	5.5	890	2925	2838	863	2450
13	1616	UCD 0810/5	64.8		62.2	62.2	62.0	62.4	4.8		5	5.0	5.5	5.0	885		2985	863	2450
14	1642	UCD 09013/4	71.0	71.8	70.2	67.8	71.0	68.8	6.0	4.5	5	3.7	4.3	4.5	900	2600	2853	780	2425
15	1659	RSI 05W90192	64.0	65.8	62.4	62.4	63.2	62.4	5.0	5.0	5	4.5	4.5	4.5	850	2900	3044	825	2650
16	1608	WWW CNBR9330	69.0	72.0	68.5	65.6	66.3	68.6	2.5	2.5	4	2.2	2.5	2.0	625		2691	500	2200
	P	AVERAGE	92%	89%	89%	90%	88%	90%	74%	53%	75%	70%	73%	83%	70%	67%	72%	73%	66%
	Blanca G	rande Variability	0.3%	1.4%	2.8%	0.5%	0.7%	0.6%	5.4%	25.8%	10.8%	12.6%	12.6%	4.9%	0.0%	1.8%	3.1%	3.9%	3.7%

				Far	inograpl	n absorp	tion]	Farinogr	aph peal	k			Loaf volume			
					Cereal	Bay	Hor.				Cereal	Bay	Hor.				Cereal	Hor.	
ID	Entry	Name	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	State	Mil.	Conagra	CWC	ADM	Food	Mil.	Conagra
2	1600	UCD 07013/30	63.0	64.4	60.7	61.9	61.4	59.3	6.0	7.0	5	8.5	5.3	4.5	920	2800	2985	858	2500
3	MIX-C	BLANCA GRANDE	67.4	68.4	68.4	66.0	64.8	66.9	5.5	7.5	6	5.8	5.8	6.0	920	2750	3074	865	2525
4	1673	WWW CNBR9302	68.0	67.0	65.4	65.3	64.0	65.1	2.0	3.5	3	1.8	4.8	3.0	675	2500	2514	590	2175
5	1660	RSI 05W90314	64.2	66.8	63.8	62.3	62.9	62.7	3.5	5.5	5	6	4.5	4.0	775	2850	3015	820	2600
6	1638	APB W11-6	67.0	67.2	63.0	64.4	64.1	65.7	6.0	6.5	5	6.5	5.5	6.0	880	2800	2897	875	2575
7	1599	UCD 07013/24	65.2	65.4	62.1	62.7	63.6	63.9	3.5	5.0	5	5.3	4.0	4.5	800	2650	2897	805	2375
8	MIX-A	BLANCA GRANDE	67.6	70.2	68.2	66.3	65.5	67.6	5.5	12.5	5	5.2	5.5	6.0	920	2850	3103	848	2475
9	MIX-B	BLANCA GRANDE	67.8	70.0	65.0	65.6	65.7	67.6	5.0	12.0	5	4.5	4.5	5.5	920	2800	2926	913	2350
10	1643	UCD 09014/16	69.2	70.7	68.2	67.1	67.6	67.5	5.0	5.5	5	4.5	4.5	5.5	760	2550	2838	838	2350
12	1650	WB SJ908-247	69.8	72.4	68.9	66.0	67.0	68.4	4.8	8.0	6	4.8	6.5	5.5	890	2925	2838	863	2450
13	1616	UCD 0810/5	64.8		62.2	62.2	62.0	62.4	4.8		5	5.0	5.5	5.0	885		2985	863	2450
14	1642	UCD 09013/4	71.0	71.8	70.2	67.8	71.0	68.8	6.0	4.5	5	3.7	4.3	4.5	900	2600	2853	780	2425
15	1659	RSI 05W90192	64.0	65.8	62.4	62.4	63.2	62.4	5.0	5.0	5	4.5	4.5	4.5	850	2900	3044	825	2650
16	1608	WWW CNBR9330	69.0	72.0	68.5	65.6	66.3	68.6	2.5	2.5	4	2.2	2.5	2.0	625		2691	500	2200
	1	AVERAGE	92%	89%	89%	90%	88%	90%	74%	53%	75%	70%	73%	83%	70%	67%	72%	73%	66%
											7						7		
ı	<mark>Blanca G</mark>	rande Variability	0.3%	1.4%	2.8%	0.5%	0.7%	0.6%	5.4%	25.8%	10.8%	12.6%	12.6%	4.9%	0.0%	1.8%	3.1%	3.9%	3.7%

Comparison Durum Davis vs. Imperial

		D Imp	D Imp	D Imp	D Imp	D Imp	D Imp	D Imp	D Imp	D Imp
TES T# ENTRY			SEM. EXT.	ALVEO- GRAPH W	WET GLUT	DRY GLUT	COLOR "b" VALUE	COLOR SCORE	COOK LOSS %	FIRM (gcm)
1 MIX951 - C	KRONOS	11.7 13.6	60.3 60.1	186 111	28.2 36.5	10.9 12.6	24.3 25.3	8.0 9.5	8.0 7.1	7.0 8.1
2 1585-Tipai	TIPAI	9.9 13.1	65.9 63.9	144 90	24.4 26.8	9.4 10.1	26.0 28.0	8.5 10.0	7.7 7.4	6.8 8.3
3 1589	NORMANO ALLSTAR	10.4 13.9	64.0 63.6	171 135	25.1 33.5	9.7 11.6	25.5 26.2	7.5 9.0	8.7 7.6	7.0 8.3
4 1641	APB D2-97	10.6 13.5	62.9 62.3	223 166	25.8 32.7	9.7 11.3	27.1 27.3	8.5 9.0	8.3 7.3	7.2 8.5
5 1435	WWW D8270	12.4 13.6	62.6 60.4	247 113	32.5 34.7	11.3 12.9	25.7 26.2	7.5 8.5	7.0 7.5	7.6 8.1
8 1628	UCD 08201/20	10.1 13.9	63.8 63.4	183 173	23.5 35.0	8.3 12.1	25.9 26.9	9.0 10.0	8.7 7.3	6.7 9.1
10 1629	UCD 08201/21	11.0 14.5	65.6 62.0	182 58	26.6 36.0	9.6 12.3	24.8 26.6	8.0 8.5	8.2 7.9	6.4 8.2
11 1644	UCD 09210/17	11.0 13.6	63.2 64.2	158 96	27.2 35.6	9.6 11.7	25.3 26.5	9.0 9.5	8.2 8.2	7.4 8.0
12 1645	UCD 09213/30	7.7 12.7	60.4 61.6	101 104	19.0 34.4	7.0 11.9	26.0 27.3	10.0 9.0	8.2 6.8	5.8 8.5
14 1583	SARAGOLLA ALLSTAR	9.9 12.8	63.8 65.4	179 95	27.9 25.9	9.8 9.6	24.4 25.0	8.0 8.5	8.7 7.9	6.4 7.9
15 1646	UCD 09220/135	10.4 14.6	65.2 63.7	135 81	28.0 40.4	10.1 14.2	25.7 28.4	8.5 10.0	8.6 6.5	6.4 9.2
17 1640	APB D1-2	11.2 13.8	63.2 65.9	224 213	28.1 37.3	10.2 13.1	26.7 28.7	9.0 10.0	7.6 7.2	6.8 8.2
18 1674	TANGO WWW	11.0 13.3	62.1 62.2	107 39	31.7 32.4	11.0 11.8	24.9 25.7	7.5 9.0	7.1 7.8	7.5 8.3
20 1582	MAESTRALE ALLSTAR	9.6 15.1	64.7 60.5	108 98	22.7 43.4	8.2 15.0	22.1 25.5	7.5 8.0	8.1 8.3	6.2 8.3
AVERAGE		10.5 13.7	63.4 62.8	167.5 112.2	26.5 34.6	9.6 12.2	25.3 26.7	8.3 9.2	8.1 7.5	6.8 8.4
Correlation	Davis vs. Imperial	24%	38%	59%	-10%	-3%	71%	53%	-11%	-29%

Good correlation: semolina extraction, Alveograph W, and Color **Poor correlation**: protein content, wet and dry gluten, firmness and cooking loss.

It might be better to run the durum collaborators directly in Imperial

CLOSING

- 2011 Collaboratives have been requested
- We will be planting common wheat again at UC Davis
- Nitrogen application changes?
- Plant Durums in Imperial?

Future data available at:

http://agric.ucdavis.edu/crops/cereals/cereal.htm