

Common wheat quality under differing nitrogen and water management, Fresno & Davis.

Entry	Name	Flour							Farinograph				Regular Bread Test										
		Flour Yield	Flour Protein (as is) (14% MB)		Moisture % (as is) (14% MB)		Ash (as is) (14% MB)	Wheat Fall no. (sec)	Gluten Index	Wet Gluten (as is) (14% MB)	Absp (%)	Dev Time (min)	Stability (min)	M.T.I.	Baking (abs %)	Mix Time (min sec)	Vol (cc)	Dough Handling (1-10)	Crumb Color (1-10)	Crumb Grain (1-10)	Crumb Texture (1-10)	Bread Symmetry (1-10)	
<b>Fresno - Conventional</b>																							
1840	APB 410117	72.42	9.84	9.76	13.31	0.47	0.46	377	98.40	24.95	24.75	62.9	5.5	9.6	34	62.90	2.37	888	6.5	8	7	6	7
1841	APB 510453	68.79	10.96	10.91	13.59	0.42	0.41	403	87.22	30.95	30.80	65.7	5.7	9.7	20	64.70	2.24	945	8	8	9	8	9
1830	LCS 12SB0197	69.16	9.95	9.90	13.58	0.44	0.44	389	88.56	27.40	27.27	63.1	4	5.5	44	63.10	2.44	880	4	6	7	8	6
1831	LCS 12SB0224	65.66	10.08	10.03	13.52	0.45	0.45	430	87.08	26.70	26.55	63.6	6.5	11.2	23	63.60	3.10	810	6.5	6	5	6	4
1834	SY 13W00850	67.32	11.06	10.98	13.39	0.46	0.45	465	94.31	29.60	29.39	63.7	7.2	17	17	63.70	3.28	880	7	8	7	7	5
1835	SY 13W00886	67.54	10.41	10.33	13.32	0.43	0.43	437	97.97	27.10	26.89	61.4	10	22	13	61.40	3.15	898	8	4	8	7	7
1838	UC 16010 20	69.28	11.54	11.51	13.83	0.40	0.40	475	93.79	30.55	30.49	68.9	10.7	20.2	8	67.90	2.48	1000	9	8	8	9	9
1842	WB 9350	68.56	9.78	9.74	13.65	0.37	0.37	428	99.14	23.35	23.26	64.7	11	25	6	64.70	4.20	915	8	8	7	6	7
1478	SY CAL ROJO	68.99	9.90	9.82	13.28	0.35	0.35	396	98.99	24.15	23.95	61.2	8	16.2	26	61.70	3.06	890	7	8	7	7	6
1657	SY BLANCA GRANDE 515	67.02	11.28	11.22	13.51	0.36	0.36	311	95.40	29.20	29.03	65.3	11	19.5	7	65.30	2.50	983	9	9	9	10	9
	<i>Mean</i>	68.47	10.48	10.42	13.50	0.41	0.41	411	94.09	27.40	27.24	64.05	7.96	15.59	20	63.90	0.13	909	7	7	7	7	7
	<i>Stdev</i>	1.80	0.67	0.67	0.18	0.04	0.04	47	4.85	2.67	2.68	2.26	2.58	6.33	12	1.89	0.02	55	1	1	1	1	2
<b>Fresno - Low Nitrogen</b>																							
1840	APB 410117	71.72	7.60	7.53	13.16	0.61	0.60	443	99.74	18.90	18.72	59.6	1.5	6.5	23	59.50	3.55	707.5	4	6	4	4	4
1841	APB 510453	68.75	7.01	6.97	13.45	0.57	0.57	315	100.00	16.15	16.05	61.9	1.5	3.4	54	62.00	3.26	705	4	6	4	5	4
1830	LCS 12SB0197	70.59	7.04	6.98	13.27	0.53	0.53	302	97.73	17.70	17.55	58.5	1.5	3.7	66	58.50	2.50	667.5	2	4	4	4	2
1831	LCS 12SB0224	70.98	8.12	8.04	13.15	0.49	0.49	341	95.49	21.05	20.84	60.7	1.7	4.4	59	60.50	4.06	660	3	4	4	4	2
1834	SY 13W00850	68.66	8.00	7.88	12.73	0.54	0.53	391	100.00	19.30	19.02	62.4	1.9	4.5	46	63.50	2.54	780	5	2	6	6	4
1835	SY 13W00886	71.00	7.95	7.81	12.49	0.51	0.50	401	99.23	19.70	19.36	59.8	1.8	7.2	15	60.50	3.03	770	4	2	6	6	4
1842	WB 9350	69.34	6.52	6.46	13.19	0.56	0.55	397	100.00	14.10	13.97	61.6	1.4	1.3	78	62.50	4.24	682.5	3	3	4	4	3
1478	SY CAL ROJO	70.13	7.29	7.20	13.00	0.56	0.56	432	99.72	17.25	17.05	57.7	1.7	5.4	38	58.50	4.17	680	2	3	3	4	4
1657	SY BLANCA GRANDE 515	68.62	7.87	7.80	13.24	0.49	0.48	262	99.73	18.95	18.78	63.1	2	4.6	44	63.00	3.48	805	6	8	7	7	5
	<i>Mean</i>	69.98	7.49	7.41	13.07	0.54	0.54	365	99.07	18.12	17.93	60.59	1.67	4.56	47	60.94	0.15	718	4	4	5	5	4
	<i>Stdev</i>	1.17	0.55	0.53	0.29	0.04	0.04	62	1.52	2.08	2.04	1.83	0.21	1.74	20	1.89	0.03	54	1	2	1	1	1
<b>Fresno - Low Water</b>																							
1840	APB 410117	72.83	10.94	10.74	12.38	0.43	0.42	390	93.04	32.30	31.70	64.2	5.7	9.3	32	64.00	2.50	977.5	8	8	9	8	8
1841	APB 510453	68.23	9.20	9.09	12.98	0.55	0.54	390	96.91	27.35	27.03	64.9	5	7.1	41	64.00	3.10	862.5	7	6	7	7	6
1830	LCS 12SB0197	72.88	10.17	10.07	13.13	0.52	0.51	445	91.61	30.95	30.64	62.8	5.2	7	36	62.00	2.54	877.5	7	6	7	6	7
1831	LCS 12SB0224	69.19	8.61	8.52	13.10	0.46	0.45	374	20.20	25.05	24.79	61.7	5.7	11	25	61.50	4.24	767.5	6	6	5	4	4
1834	SY 13W00850	68.31	8.36	8.29	13.25	0.52	0.52	433	97.18	23.55	23.35	62.4	1.8	8.7	23	61.50	5.03	770	6	6	5	4	4
1835	SY 13W00886	72.19	10.35	10.25	13.17	0.49	0.49	425	97.58	28.50	28.23	60.5	6.3	12.7	24	60.50	3.06	860	7	2	6	7	6
1838	UC 16010 20	72.15	12.08	12.02	13.57	0.44	0.44	475	88.49	36.05	35.87	68.7	7.5	13.8	17	68.50	2.25	977.5	8	8	8	9	8
1842	WB 9350	73.50	10.72	10.67	13.57	0.45	0.44	451	89.83	28.55	28.41	65.8	12.2	23.7	7	66.00	4.12	907.5	7	8	7	7	7
1478	SY CAL ROJO	71.65	7.97	7.90	13.25	0.43	0.43	392	99.56	22.80	22.60	59.6	2.2	7.9	20	60.50	3.40	835	6	8	6	7	6
1657	SY BLANCA GRANDE 515	71.01	10.40	10.35	13.60	0.43	0.43	298	97.60	29.20	29.07	64.5	5.5	12.9	20	65.50	3.07	907.5	7	8	8	7	8
	<i>Mean</i>	71.19	9.88	9.79	13.20	0.47	0.47	407	96.10	28.43	28.17	63.51	5.71	11.74	25	63.40	0.15	874	7	7	7	7	6
	<i>Stdev</i>	1.95	1.30	1.30	0.36	0.04	0.04	50	3.79	4.06	4.02	2.69	2.87	5.91	10	2.66	0.03	73	1	2	1	2	1
<b>Davis - Conventional</b>																							
1840	APB 410117	72.1	11.32	11.44	14.88	0.55	0.55	389	88.11	30.90	31.22	60.7	5.7	7	44	60.7	2.27	967.5	5.5	8	6	8	8
1841	APB 510453	69.2	12.13	12.22	14.64	0.46	0.47	338	73.91	33.55	33.80	64.1	6	9.6	27	63.1	2.03	1002.5	8	9	8	9	9
1830	LCS 12SB0197	73.2	9.92	10.01	14.76	0.52	0.52	392	99.60	24.95	25.17	61.2	8.7	12.5	27	60.2	3.08	905	6	4	5	5	5
1831	LCS 12SB0224	70.9	11.83	11.90	14.53	0.48	0.49	415	93.27	28.25	28.42	61.6	7.5	10.3	34	61.6	2.55	895	4	4	5	6	5
1834	SY 13W00850	72.3	11.66	11.71	14.40	0.53	0.53	411	97.58	29.00	29.14	62.4	7.2	15.4	15	62.4	2.53	960	6	8	7	8	8
1835	SY 13W00886	73.5	11.70	11.73	14.23	0.51	0.51	356	87.60	33.05	33.14	61.7	8.5	14.3	21	60.7	2.27	962.5	5	1	5	3	6
1838	UC 16010 20	68.3	12.14	12.30	15.11	0.53	0.54	412	78.89	35.50	35.97	67.8	7.2	12.8	20	66.8	2.02	1002.5	9	8	9	9	9
1842	WB 9350	71.9	10.57	10.64	14.57	0.50	0.51	421	99.63	26.90	27.08	62.4	13.2	23.8	18	62.4	3.56	910	4	6	7	6	5
1478	SY CAL ROJO	72.6	11.29	11.37	14.58	0.52	0.53	384	93.19	27.00	27.18	60.6	7.9	11.7	25	60.6	2.26	910	8	7	7	7	5
1657	SY BLANCA GRANDE 515	71.3	11.75	11.84	14.64	0.51	0.52	314	92.11	31.70	31.94	66.8	9.9	13.7	5	65.8	2.03	1002.5	8	9	8	9	9
	<i>Mean</i>	71.53	11.43	11.52	14.64	0.51	0.52	383	90.39	30.08	30.31	62.93	8.18	13.11	24	62.43	0.11	952	6	6	7	7	7
	<i>Stdev</i>	1.67	0.70	0.71	0.25	0.03	0.03	36	8.55	3.40	3.45	2.52	2.16	4.49	11	2.26	0.02	44	2	3	1	2	2
<b>Davis - Low Nitrogen</b>																							
1840	APB 410117	70.64	8.69	8.64	13.42	0.49	0.48	375	98.74	23.80	23.64	60.1	5.4	10.7	23	61.00	3.12	747.5	6	8	6	6	4
1841	APB 510453	65.53	7.92	7.86	13.37	0.54	0.53	363	90.17	24.15	23.97	64.2	1.8	2.3	51	64.00	3.48	702.5	5	6	5	5	4
1830	LCS 12SB0197	69.85	9.01	8.92	13.10	0.42	0.42	412	97.76	24.60	24.34	61.1	2	7.7	25	63.00	3.20	857.5	7	6	6		