

San Joaquin Valley, California DURUM

2015 CROP QUALITY

Madera, Fresno, Kings, Tulare, and Kern counties of California

Milling, Semolina, and Pasta Characteristics of Durum Varieties

	Desert King HP	Fortissimo	Miwok	Orita	Volante	Westmore HP
WHEAT	'15	'15	'15	'15	'15	'15
Protein (12% MB)	13.1	12.9	11.6	14.6	12.5	13.6
Protein (Dry Basis)	14.9	14.6	13.1	16.6	14.2	15.5
Protein (As-Is)	13.7	13.5	12.1	15.5	13.1	14.3
Ash (14% MB)	1.92	1.97	1.42	1.83	1.74	1.81
Ash (Dry Basis)	2.09	2.29	1.65	2.12	2.03	2.10
Moisture	7.9	7.6	8.1	6.6	8.0	7.8
Falling Number (sec)	401	379	392	586	415	451
Test Weight						
lb/bu	62.2	62.8	64.3	60.6	62.8	61.2
kg/hl	81.8	82.5	84.5	79.8	82.5	80.5
1000 Kernel Weight (g)	43.3	46.7	52.3	49.8	47.7	40.5
Kernel Size Distribution						
Large	85	88	96	92	85	75
Medium	15	12	4	8	15	24
Small	0	0	0	0	0	1
SEMOLINA						
Lab Mill Extraction (%)	75.1	76.2	74.7	69.8	73.0	71.5
Semolina Extraction (%)*	63.4	63.0	63.7	60.0	60.8	56.6
Protein (14% MB)	12.6	12.0	10.7	13.5	11.6	12.7
Protein (Dry Basis)	14.7	14.0	12.5	15.8	13.5	14.8
Ash (14% MB)	0.84	0.93	0.79	0.95	0.90	0.99
Ash (Dry Basis)	0.98	1.08	0.91	1.10	1.05	1.15
Specks (no/10 sp in)	27	26	27	31	25	20
Wet Gluten (14% MB)	33.5	31.4	29.5	32.9	29.6	33.4
Gluten Index	78	63	54	59	51	77
Color 'b' value	27	25	25	25	28	27
ALVEOGRAPH						
P/L Ratio	1.5	1.9	1.9	1.7	1.4	2.2
W (10-4 joules)	166.1	130.1	130.9	184.7	125.4	198.6
PASTA						
Color L/b	55/38	53/36	53/37	55/38	56/41	51/39
Color Score	8	7	8	8	9	8
Cooked weight (gm)	28.6	28.4	29.3	28.3	29.2	28.5
Cooking Loss (%)	5.8	5.6	5.9	5.9	6.6	5.9
Cooked Firmness (g/cm)	6.8	5.9	5.4	6.9	6.6	7.3

Pasta and semolina color - Minolta Chromameter Model CR-200. Weather, soils, and cultural practices can influence the quality of all varieties between years and of particular lots of any one variety. Wheat and semolina protein - Leco Combustion Nitrogen Analyzer Model TruSpec.

*The mill is not adjusted to optimize semolina extraction; results are usually lower than commercial mills and other test mills.



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