

M-104



Paddy



Brown



Milled

M-104 is a very early maturity medium grain released in 2000. It shows resistance to cool temperature sterility, shows high yield potential, and has a kernel size similar to M-202. Its pedigree is: M-103/6/M-102/4/M-201/3/M7/M9/5/M-103.

U.S. Market Type: Medium Grain

Quality Type: Calrose

	Year 1	Year 2	Year 3	Average
Grain Dimensions (Paddy)				
Average Length (mm)	8.56	8.46	8.64	8.55
Average Width (mm)	3.07	3.11	3.16	3.11
L/W Ratio	2.8	2.7	2.7	2.7
Grain Dimensions (Brown)				
Average Length (mm)	6.31	6.26	6.41	6.33
Average Width (mm)	2.79	2.72	2.75	2.75
L/W Ratio	2.3	2.3	2.3	2.3
1000 Grain Weight (g)	24.4	24.0	23.9	24.1
Grain Dimensions (Milled)				
Average Length (mm)	5.86	5.88	6.05	5.93
Average Width (mm)	2.71	2.66	2.67	2.68
L/W Ratio	2.2	2.2	2.3	2.2
Physicochemical Tests				
Apparent Amylose (%)	18.2	17.6	17.6	17.8
Alkali Spreading Value (1.7% KOH)	6.9	6.4	6.0	6.4
Protein (%)				
<i>Brown</i>	8.4	8.0	7.1	7.8
<i>Milled</i>	7.6	6.9	6.5	7.0
Rapid Visco Analyzer (AACC Method)				
<i>Peak</i>	259	290	251	267
<i>Hot Paste</i>	142	161	139	147
<i>Cool Paste</i>	257	274	251	261
<i>Setback</i>	-2	-16	0	-6
<i>Consistency</i>	104	113	112	110
<i>Breakdown</i>	127	129	112	123
<i>Pasting Temperature (°C)</i>	74	74	74	74



* Physicochemical testing provided by: the Rice Experiment Station and USDA-ARS Rice End-Use Quality Research Laboratory. Samples were grown and processed at the Rice Experiment Station. Research supported in-part by a grant from the California Rice Commission.