

M-205



Paddy



Brown



Milled

M-205 is an early maturing medium grain released in 2000. It shows very high yield potential, high milling yield potential and large kernel size. Its pedigree is: M-201/M7//M-201/3/M-202.

U.S. Market Type: Medium Grain

Quality Type: Calrose

	Year 1	Year 2	Year 3	Average
Grain Dimensions (Paddy)				
Average Length (mm)	8.67	8.84	8.73	8.75
Average Width (mm)	3.01	3.05	3.09	3.05
L/W Ratio	2.9	2.9	2.8	2.9
Grain Dimensions (Brown)				
Average Length (mm)	6.48	6.46	6.30	6.41
Average Width (mm)	2.78	2.70	2.73	2.74
L/W Ratio	2.3	2.4	2.3	2.3
1000 Grain Weight (g)	25.2	25.0	23.1	24.4
Grain Dimensions (Milled)				
Average Length (mm)	6.02	5.97	6.02	6.00
Average Width (mm)	2.66	2.64	2.63	2.64
L/W Ratio	2.3	2.3	2.3	2.3
Physicochemical Tests				
Apparent Amylose (%)	18.4	17.4	17.5	17.8
Alkali Spreading Value (1.7% KOH)	7.0	6.8	7.0	6.9
Protein (%)				
<i>Brown</i>	7.5	7.5	6.4	7.1
<i>Milled</i>	6.9	6.2	5.9	6.3
Rapid Visco Analyzer (AACC Method)				
<i>Peak</i>	255	281	251	262
<i>Hot Paste</i>	138	155	145	146
<i>Cool Paste</i>	245	258	242	248
<i>Setback</i>	-10	-23	-9	-14
<i>Consistency</i>	99	103	97	100
<i>Breakdown</i>	124	126	106	119
<i>Pasting Temperature (°C)</i>	70	72	72	71



* 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.