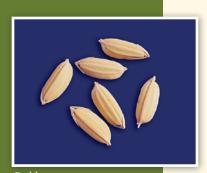
## QUALITY CHARACTERIZATION OF CALIFORNIA PUBLIC RICE VARIETIES

## 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 (%)				
Brown	7.5	7.5	6.4	7.1
Milled	6.9	6.2	5.9	6.3
Rapid Visco Analyzer (AACC Method)				
Peak	255	281	251	262
Hot Paste	138	155	145	146
Cool Paste	245	258	242	248
Setback	-10	-23	-9	-14
Consistency	99	103	97	100
Breakdown	124	126	106	119
Pasting Temperature (°C)	70	72	72	71

<sup>\*</sup> 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.