

S-102



Paddy



Brown



Milled

S-102 is a very early maturing short grain released in 1996. It has high yield potential and very large kernal size that can make it susceptible to kernel breakage. Its pedigree is: Calpearl/ Calmochi-101//Calpearl.

U.S. Market Type: Short Grain

Quality Type: Short Grain

	Year 1	Year 2	Year 3	Average
Grain Dimensions (Paddy)				
Average Length (mm)	8.11	8.14	8.16	8.14
Average Width (mm)	3.63	3.66	3.64	3.64
L/W Ratio	2.2	2.2	2.2	2.2
Grain Dimensions (Brown)				
Average Length (mm)	5.74	5.76	5.78	5.76
Average Width (mm)	3.27	3.17	3.24	3.23
L/W Ratio	1.8	1.8	1.8	1.8
1000 Grain Weight (g)	27.5	27.8	27.1	27.5
Grain Dimensions (Milled)				
Average Length (mm)	5.35	5.43	5.49	5.42
Average Width (mm)	3.13	3.11	3.13	3.12
L/W Ratio	1.7	1.7	1.8	1.7
Physicochemical Tests				
Apparent Amylose (%)	19.3	17.7	18.9	18.6
Alkali Spreading Value (1.7% KOH)	6.8	6.8	6.0	6.5
Protein (%)				
<i>Brown</i>	7.5	7.6	5.9	7.0
<i>Milled</i>	6.9	6.9	5.3	6.4
Rapid Visco Analyzer (AACC Method)				
<i>Peak</i>	249	275	248	257
<i>Hot Paste</i>	139	168	146	151
<i>Cool Paste</i>	244	275	246	255
<i>Setback</i>	-5	-1	-2	-3
<i>Consistency</i>	95	107	101	101
<i>Breakdown</i>	120	107	102	110
<i>Pasting Temperature (°C)</i>	72	73	72	72



* 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.