

CALHIKARI-201



*Calhikari-201 is an early maturing premium quality short grain released in 1999. It is the first semidwarf of this type for California. It has the pedigree: Koshihikari/(Koshihikari/S-101)*2.*

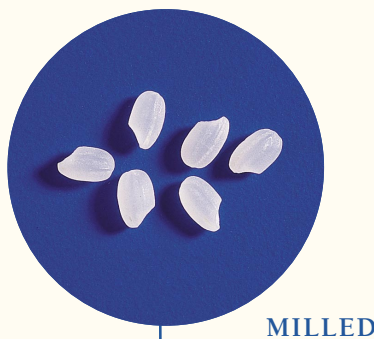
**U.S. MARKET TYPE:
SHORT GRAIN**

	2000	2001	2002
Grain Dimensions (Paddy)			
Average Length (mm)	7.11	7.24	7.11
Average Width (mm)	3.37	3.42	3.40
L/W Ratio	2.1	2.1	2.1
Grain Dimensions (Brown)			
Average Length (mm)	5.07	5.09	5.04
Average Width (mm)	2.98	2.93	2.98
L/W Ratio	1.7	1.7	1.7
1000 Grain Weight (g)	20.8	20.3	19.8
Grain Dimensions (Milled)			
Average Length (mm)	4.75	4.77	4.78
Average Width (mm)	2.91	2.89	2.89
L/W Ratio	1.6	1.7	1.7
% Apparent Amylose	18.5	17.5	18.6
Protein (%)			
Brown	6.8	7.2	6.0
Milled	6.0	6.0	5.2
Alkali Spreading Value (1.5%KOH)	6.1	6.0	6.0
Alkali Spreading Value (1.7%KOH)	7.0	7.0	6.3
Cooking Time (min)	19.5	19.1	19.4
Differential Scanning Calorimetry			
Gelatinization Temperature (°C)	67.6	69.1	68.9

QUALITY TYPE:

PREMIUM SHORT GRAIN

	2000	2001	2002
Rapid Visco Analyzer			
<i>AACC Method:</i>			
Peak	265	289	268
Hot Paste	144	158	142
Cool Paste	253	263	245
Setback	-12	-26	-23
Consistency	103	105	103
Breakdown	126	131	126
Pasting Temperature (°C)	71.3	73.5	72.8
<i>Japanese Method:</i>			
Peak	312	324	264
Hot Paste	152	144	118
Cool Paste	269	260	223
Setback	-43	-64	-42
Consistency	116	116	105
Breakdown	160	180	146
Pasting Temperature (°C)	71.5	72.4	73.4
Controlled Stress Rheometer (Pa.s)			
Peak	0.51	0.50	0.47
Hot Paste	0.30	0.30	0.29
Cool Paste	0.59	0.58	0.60
Setback	0.07	0.09	0.12
Consistency	0.29	0.28	0.31
Breakdown	0.21	0.20	0.19
Pasting Temperature (°C)	67.4	69.5	68.1



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