

# 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.*

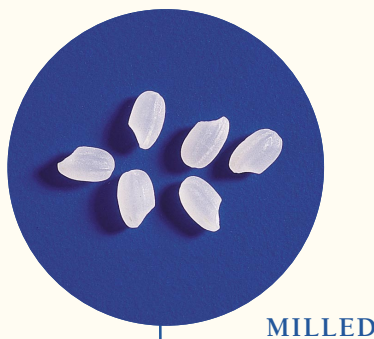
**U.S. MARKET TYPE:  
SHORT GRAIN**

	2000	2001	2002
<b>Grain Dimensions (Paddy)</b>			
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
<b>Grain Dimensions (Brown)</b>			
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
<b>Grain Dimensions (Milled)</b>			
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
<b>Protein (%)</b>			
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
<b>Differential Scanning Calorimetry</b>			
Gelatinization Temperature (°C)	67.6	69.1	68.9

**QUALITY TYPE:**

**PREMIUM SHORT GRAIN**

	2000	2001	2002
<b>Rapid Visco Analyzer</b>			
<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
<b>Controlled Stress Rheometer (Pa.s)</b>			
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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