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8275 Tournament Drive • Suite 255 • Memphis, TN 38125 Toll Free: 866-237-6167 MILLING GUIDE







ROUGH RICE



CL111 is a southern U.S. Clearfield® long grain with intermediate amylose content and intermediate gel temp. It is the preferred long grain for Kellogg's and several other food companies. CL111 offers good field yield as well as milling yield.

GRAIN PROPERTIES

Shape Class	Long
Scent	Non-Scented
Milling Yield	61/71

PHYSIOCHEMICAL PROPERTIES

Amylose %	21
Gelatinization	
Temperature °C	72.9

RAPID VISCO ANALYZER (AACC Method)

Peak	224
Trough	145
Breakdown	80
Final	259
Setback	35
Peak Time	6.07
Pasting Temperature °C	80.8

GRAIN DIMENSIONS

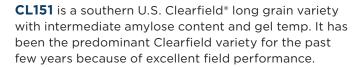
	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.68	2.53	3.83	28.1
Brown	7.41	2.24	3.31	23.3
Milled	7.31	2.18	3.35	22.2





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CL151



GRAIN PROPERTIES

Shape Class	Long
Scent	Non-Scented
Milling Yield	59/71

PHYSIOCHEMICAL PROPERTIES

Amylose %	22
Gelatinization Temperature °C	74.8

RAPID VISCO ANALYZER (AACC Method)

Peak	225
Trough	128
Breakdown	. 97
Final	242
Setback	17
Peak Time	5.80
Pasting Temperature °C	80.7

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.45	2.52	3.75	27.7
Brown	7.06	2.26	3.12	22.5
Milled	6.95	2.23	3.12	21.1







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CL153



ROUGH RICE



CL153 is a southern U.S. Clearfield® long grain variety with intermediate amylose content and gel temp. It has excellent field yield comparable to CL151 with a much better milling yield (on average 4 points higher whole compared to CL151), a lower propensity for chalk and a long, bold grain. CL153 also has improved agronomic characteristics such as improved blast tolerance and reduced lodging susceptibility. The reduction in lodging can also improve the overall quality of this variety, as lodging can affect milling yield especially in wet harvest years.

GRAIN PROPERTIES

Shape Class	Long
Scent	Non-Scented
Milling Yield	61/71

PHYSIOCHEMICAL PROPERTIES

RAPID VISCO ANALYZER (AACC Method)

Peak	219
Trough	135
Breakdown	84
Final	257
Setback	39
Peak Time	5.90
Pasting Temperature °C	79.7

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.76	2.50	3.92	26.6
Brown	7.30	2.17	3.37	21.8
Milled	7.07	2.13	3.33	19.5





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ROUGH RICE



CL163 is a southern U.S. Clearfield® long grain with much higher amylose content (approx. 25%) than most southern U.S. long grains and an intermediate gel temp. CL163's cereal chemistry makes it a great candidate for food service, parboiling, canning and other further processing.

GRAIN PROPERTIES

Shape Class	Long
Scent	Non-Scented
Milling Yield	59/70

PHYSIOCHEMICAL PROPERTIES

Amylose %	25
Gelatinization	
Temperature °C	73.3

RAPID VISCO ANALYZER (AACC Method)

Peak	225
Trough	150
Breakdown	75
Final	286
Setback	61
Peak Time	5.91
Pasting Temperature °C	79.4

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.76	2.67	3.67	27.6
Brown	7.35	2.31	3.18	23.0
Milled	7.04	2.21	3.18	20.3





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CL172



ROUGH RICE



CL172 is a southern U.S. Clearfield® long grain with intermediate amylose and gel temp. Even though the cereal chemistry appears to be that of a typical southern long grain, it cooks more like a higher amylose variety. CL172 also has a very low propensity for chalk and a large, bold grain, giving it exceptional package quality. Agronomic characteristics include blast resistance and lodging resistance as well as a competitive field yield and excellent milling yield.

GRAIN PROPERTIES

Shape Class	Long
Scent	Non-Scented
Milling Yield	60/70

PHYSIOCHEMICAL PROPERTIES

Amylose %	22
Gelatinization	
Temperature °C	72

RAPID VISCO ANALYZER (AACC Method)

Peak	226
Trough	134
Breakdown	92
Final	254
Setback	28
Peak Time	5.91
Pasting Temperature °C	79.9

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.93	2.55	3.90	28.2
Brown	7.47	2.21	3.38	23.2
Milled	7.28	2.14	3.40	21.5





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BROWN RICE

MILLED RICE

CL272 is a southern U.S. Clearfield® medium grain variety with a cereal chemistry profile, cook type and field yield that are similar to Jupiter. CL272 also has agronomic benefits over Jupiter such as improved blast resistance and better straw strength, which reduces lodging potential.

GRAIN PROPERTIES

Shape Class	Medium
Scent	Non-Scented
Milling Yield	57/70

PHYSIOCHEMICAL PROPERTIES

Amylose	%	10
Gelatiniz Tempera	ation ture °C	65.4

RAPID VISCO ANALYZER (AACC Method)

Peak 2	289
Trough 1	81
Breakdown	92
Final 1	66
Setback	123

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	8.13	3.10	2.62	25.5
Brown	6.09	2.67	2.23	21.1
Milled	5.63	2.52	2.23	19.9





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