

CL111



ROUGH RICE



BROWN RICE



MILLED 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



ROUGH RICE



BROWN RICE



MILLED RICE

CL151 is a southern U.S. Clearfield® long grain variety with intermediate amylose content and gel temp. It has been the predominant Clearfield variety for the past few years because of excellent field performance.

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



BROWN RICE



MILLED 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

Amylose % 19.57
Gelatinization Temperature| °C 73.05

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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CL163



ROUGH RICE



BROWN RICE



MILLED 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 % 23.25
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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CLL15



ROUGH RICE



BROWN RICE



MILLED RICE

CLL15, released by Horizon Ag in 2020, is an Arkansas-bred, semi-dwarf long-grain Clearfield® variety known for its excellent milling characteristics and good grain quality. In addition to outstanding yield potential and blast tolerance, CLL15 is known for having desirable grain length, low chalk and a kernel suitable for the packaged rice market.

GRAIN PROPERTIES

Shape Class Long
Scent Non-Scented
Milling Yield 62/68

PHYSIOCHEMICAL PROPERTIES

Amylose % 21.07
Gelatinization
Temperature| °C 68.6

RAPID VISCO ANALYZER (AACC Method)

Peak 213
Trough 108
Breakdown 105
Final 214
Setback 2
Peak Time 5.67
Pasting Temperature| °C 79.1

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.25	2.51	1.87	24.5
Brown	7.24	2.22	1.70	21.1
Milled	7.15	2.10	3.40	20.4



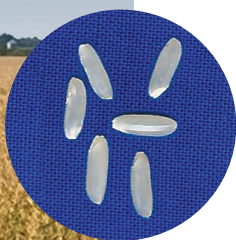
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CLL16



ROUGH RICE



BROWN RICE



MILLED RICE

CLL16 is a traditional Arkansas-type long grain rice featuring excellent milling characteristics and typical southern U.S. long grain cooking quality. This latest generation Clearfield® variety has been described as offering “the complete package” for yield, quality and blast resistance. CLL16 has grain weight and size similar to Diamond, with nice, long, plump kernels. It has an attractive grain appearance comparable to CL153 and Cheniere — varieties that are low in chalk and desirable in export markets.

GRAIN PROPERTIES

Shape Class Long
Scent Non-Scented
Milling Yield 59/67

PHYSIOCHEMICAL PROPERTIES

Amylose % 21.76
Gelatinization Temperature| °C 68.0

RAPID VISCO ANALYZER (AACC Method)

Peak 185
Trough 108
Breakdown 77
Final 213
Setback 28
Peak Time 5.93
Pasting Temperature| °C 79.2

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	9.03	2.56	1.95	26.6
Brown	7.37	2.36	1.81	24.3
Milled	7.18	2.24	3.21	21.9



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CLL17



ROUGH RICE



BROWN RICE



MILLED RICE

CLL17, a semi-dwarf, long-grain Clearfield® variety from the Louisiana State University breeding program, has excellent milling yield and very good grain quality. A high-yielding variety with blast resistance, it has a grain size and translucency similar to CL111, an older Clearfield long grain that has drawn praise from mills. It has height, maturity and milling characteristics similar to CL153, with intermediate amylose content and gel temp.

GRAIN PROPERTIES

Shape Class Long
Scent Non-Scented
Milling Yield 60/66

PHYSIOCHEMICAL PROPERTIES

Amylose % 21.35
Gelatinization Temperature| °C 66.3

RAPID VISCO ANALYZER (AACC Method)

Peak 186
Trough 108
Breakdown 79
Final 222
Setback 36
Peak Time 5.87
Pasting Temperature| °C 77.5

GRAIN DIMENSIONS

	Length (mm)	Width (mm)	L/W Ratio	1000 Grain Weight (g)
Rough	8.88	2.63	1.91	25.0
Brown	6.97	2.36	1.74	21.9
Milled	6.91	2.31	2.99	20.2



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