

## Planting only for yield isn't enough.

That's why Horizon Ag Clearfield® varieties offer proven performance with **cost-effective weed control**, **premium grain quality** and new varieties that provide **improved blast and lodging resistance**. So you get the whole package—because **there's a more profitable way to grow rice.**



There's a more profitable way.

ges • Premium Grain Quality • Outstanding Yield Potential • Highest Tolerance to Newpath® and Beyond® Herbicides • Excellent Seed Quality • Most Cost-Effective Weed Control • Blast Resistant Disease Packages •

Horizon Ag Clearfield Varieties | 2017

CL111 | CL151 | CL163

NEW: CL153 | CL172 | CL272

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2017 Variety Guide



Always read and follow label directions.  
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**CL111**

- Earliest maturity of any Clearfield® variety
- Excellent vigor with high yield potential
- Outstanding grain quality and milling
- Exceptional ratoon crop performance
- Kellogg's® preferred long grain

**CL151**

- Exceptional yield potential
- Uses nitrogen efficiently
  - Manage nitrogen input to reduce lodging and disease pressure
- Susceptible to blast; not recommended for fields with a history of blast or water issues

**NEW CL153**

- Exceptional seedling vigor
- Yield potential equivalent to CL151
- Outstanding grain quality and milling
- Blast resistance
- Lodging resistance

**CL163**

- Excellent yield potential and seedling vigor
- Outstanding grain quality and milling
- Exceptional cooking quality
  - Extra-high amylose content compared to current long grain varieties
  - Ideal for parboil, canning, food service or package rice
- Susceptible to blast; not recommended for fields with a history of blast or water issues

**NEW CL172**

- Yield potential between CL111 and CL151
- Outstanding grain quality and milling
- Superb cooking quality
- Blast resistance
- Lodging resistance

**NEW CL272**

- Medium grain variety
- Comparable to Jupiter with better blast package
- Very good milling and cooking quality
- Lodging resistance

**Disease Ratings**

Variety	Sheath Blight	Blast*	Straight Head	Bacterial Panicle Blight*	Narrow Brown Leaf Spot*	Kernel Smut	False Smut	Lodging
CL111	VS	MS	S	VS	S	S	S	MS
CL151	S	VS	VS	VS	S	S	S	S
<b>NEW</b> CL153	S	MS <sup>1</sup>	MS	MS	MS	S	S	MR
CL163	VS	S	MR	MS	R	MS	-	MS
<b>NEW</b> CL172	MS	MS <sup>1</sup>	-	MS	S	MS	S	MR
<b>NEW</b> CL272	S	MS	MS	VS	S	MS	-	MR

VS = Very Susceptible S = Susceptible MS = Moderately Susceptible MR = Moderately Resistant R = Resistant

\*Reactions may differ due to variability of strains among pathogens.

<sup>1</sup> These varieties have genetic markers for *Pita*, which confers resistance to the following blast races: IA45, IB1, IB49, IB54, IB45, IH1, IGI, IC17, IE1.

**2017** | Clearfield® Variety Characteristics and Suggested Management Practices

Variety	Height <sup>1</sup> (inches)	Maturity <sup>2</sup> (days to 50% heading)	Suggested Seeding Rate <sup>3</sup> (lb seed/A)	Suggested Nitrogen Rate <sup>4</sup> (lb N/A)
CL111	39	77	60-70	120-160
CL151	41	81	55-65	90-150
<b>NEW</b> CL153	42	81	60-70	120-160
CL163	41	83	60-70	120-160
<b>NEW</b> CL172	38	79	65-80	120-160
<b>NEW</b> CL272	39	82	60-70	120-160

<sup>1</sup> Height will vary with plant density and environmental conditions.

<sup>2</sup> Maturity varies with geographical region and environmental conditions in a given year.

<sup>3</sup> Optimum drill seeded planting rate is only for fungicide treated seed. If using non-treated seed, the seeding rate should be increased by a minimum of 10 lbs/A.

<sup>4</sup> Optimal nitrogen rate varies from field to field. The high end should be reserved for heavy clay soils and fields where rice is followed by rice. Using the high end of the nitrogen and seeding rate recommendations may increase the incidence of disease. Please scout and treat the Clearfield® varieties accordingly. The NSI®R program is recommended where applicable and has been shown to decrease incidences of disease and lodging. Please contact your local Cooperative Extension office for more information.

**For Best Variety Performance:**

Clearfield® varieties have excellent vigor and tolerate full rates of Newpath® herbicide even in cool, wet conditions. To optimize returns on your farm, we recommend planting Clearfield varieties in the earliest part of the planting window for the given location and year.

Implement Horizon Ag's "Premium Seed Treatment" recommendation by using the manufacturer's recommended minimum rate of Release® or an equivalent gibberellic acid (GA3) plant growth regulator, plus labeled rates of the following rice fungicide and insecticide products:

▪ CruiserMaxx® Rice

▪ Or combinations of Maxim® plus Apron® and Dermacor® or NipsIt INSIDE®

# HorizonAg

**Clearfield**  
Production System for Rice