

2019

Variety Characteristics and Suggested Management Practices

Variety	Height ¹ (inches)	Maturity ² (days to 50% heading)	Suggested Seeding Rate ³ (lb seed/A)	Suggested Nitrogen Rate ⁴ (lb N/A)
PVL01	35	89	50-70	120-160
CL111	39	77	60-75	120-160
CL151	41	81	50-70	90-150
CL153	42	81	55-70	120-160
CL163	41	83	60-70	120-160
CL172	38	79	60-75	120-160
CL272	39	82	60-75	120-160
CLJ01	38	85	60-75	120-160

¹ Height will vary with plant density and environmental conditions.

² Maturity varies with geographical region and environmental conditions in a given year.

³ 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.

⁴ 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:



- Plant early in the season

- To ensure optimal herbicide performance, apply imazethapyr (Newpath®) containing herbicides twice at a 4-6 oz/A rate from pre-emergence to pre-flood timing followed by Beyond® at 5 oz/A if needed



- Integrate residual herbicides* at pre-emergence and/or delayed pre-emergence using Sharpen® herbicide with either Command® 3ME pre-emergence or Prowl® H₂O delayed pre-emergence

For optimal results with Clearfield and Provisia varieties, apply Premium Seed Treatments using Release® or an equivalent gibberellic acid (GA3) plant growth regulator with CruiserMaxx® Rice or combinations of Maxim® plus Apron® and Dermacor® or NipsIt INSIDE®

*Tank mixing is not recommended if it can be avoided.

Do not mix products containing propanil with Provisia herbicide.



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2019 VARIETY GUIDE

Advancing the Way You Grow Rice



Always read and follow label directions.

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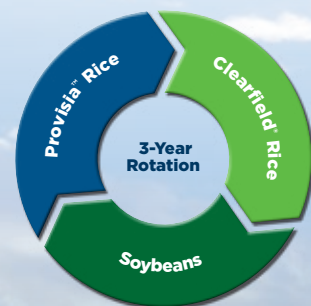
Provisia™ Rice System Makes Strong First Impression

Last year, we launched the Provisia™ Rice System as an ideal companion system to Clearfield® rice for its effective management of weedy rice, including rice volunteers resistant to herbicides like Newpath® and Beyond®. This year, we're thrilled to share farmers' feedback and excitement about its effective control of weedy rice — and its superior economic benefits.

In a year that had tremendous grass pressure, the Provisia Rice System stood out from the crowd — since Horizon Ag rice varieties give you the highest quality, value-driven rice seed that provides performance-driven results to make sure you put more money in your pocket.

Best Practices for Optimal Performance

Because Provisia rice is susceptible to residual Newpath herbicide, it should follow soybeans or conventional rice in a typical rice-soybean rotation. Clearfield rice can be planted next, since Provisia herbicide does not have a residual component, followed by soybeans before repeating the rotation.



Quick Tip: One year after the use of Clearfield rice may not be enough time for the Newpath herbicide residue to diminish. Farmers should consult their trusted advisers if they've used continuous Clearfield rice on zero-grade ground and/or flooded the field during the winter.



PVL01

- First Provisia™ herbicide tolerant variety
- Outstanding seedling vigor
- Exceptional tillering
- Superior grain quality and milling
- Good yield potential

CL111

- 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

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 services or package rice
- Susceptible to blast; not recommended for fields with a history of blast or water issues

CL172

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

CL272

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

CLJ01

- First Clearfield Jasmine type variety
- Very good aroma
- Premium grain appearance and milling
- Excellent yield potential
- Very good disease package

DISEASE RATINGS

Variety	Sheath Blight	Blast*	Straight Head	Bacterial Panicle Blight*	Narrow Brown Leaf Spot*	Kernel Smut	False Smut	Lodging
PVL01	S	VS	-	S	MR	-	S	MR
CL111	VS	MS	S	VS	S	S	S	MS
CL151	S	VS	VS	VS	S	S	S	S
CL153	S	MS ¹	MS	MS	MS	S	S	MR
CL163	VS	S	MR	MS	R	MS	-	MS
CL172	MS	MS ¹	MS	MS	S	MS	S	MR
CL272	S	MS	MS	VS	S	MS	MS	MR
CLJ01	MS	MR	MS	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.

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