

# 2022 Rice Seed Guide

As they say, no two years are alike. 2021, with early periods of cold, wet weather, differed from the tropical storm- and hurricane-plagued 2020 season. Nearing the end of 2021, many rice growers reported strong yields, prompting optimism for 2022.

With the past season in your rearview mirror, take time to relax, say farewell to the year, and review which cultivars did well and which ones didn't. Also check out university trial results to see how different cultivars performed in various locations.

Fertilizer prices continue to rise, so it pays to collect soil samples to know how sufficient or deficient your soil is. As University of Arkansas' Trent Roberts likes to say, "Don't guess, soil test."

These easy-to-use charts, which highlight proprietary variety and hybrid traits for the Mid-South, Texas and the South, are designed to help with your planting decisions. Consider each field individually along with your goals when making selections for 2022.

The following information was provided by Dyna-Gro, Horizon Ag LLC and RiceTec.

## 2022 Horizon Ag Varieties

### Provisia Rice System varieties

#### PVL02

- Newly released Provisia variety
- Improved yield and milling compared to PVL01
- Nine days earlier in maturity compared to PVL01
- Exceptional tillering
- Superior cooking quality

#### PVL03 (NEW)

- Latest variety for the Provisia Rice System
- Highest and most stable yielding Provisia variety
- Excellent stalk strength
- Resistant to blast and *Cercospora*
- Superior package quality milled rice

### Clearfield Production System for Rice varieties

#### CLHA02 (NEW)

- Second high-amylose Clearfield release
- Cheniere (L-202) cook type
- Improved yield over CL163
- Moderately resistant to lodging

#### CLL16

- Exceptional yield performance
- Broadly adapted for the region
- Excellent milling characteristics

- Industry-leading blast resistance
- Excellent standability

#### CLL17

- Early season, semi-dwarf long grain
- Strong yielder, consistently outyielding CL153
- Requires lower nitrogen
- Excellent milling yield
- Very good grain quality
- Resistant to blast and *Cercospora*

#### CLL15

- Exceptional yield potential
- Broad-spectrum blast resistance
- Excellent milling quality
- Moderately resistant to lodging
- Early maturing

#### 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
- Requires lower nitrogen rate
  - Manage nitrogen input to reduce lodging and disease pressure
- Susceptible to blast; not recommended for fields with a history of blast or water issues

## Web Resources

For more information about Clearfield and Provisia varieties, visit <https://www.horizonseed.com>

For more information about conventional hybrids, FullPage hybrids, and Max-Ace varieties and hybrids, visit <https://www.ricetec.com/>

For more information about Dyna-Gro rice, visit <https://dynagroseed.com/seed-finder/rice>

#### 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

#### CLM04

- First Clearfield medium-grain variety released by University of Arkansas
- Yield potential similar to Jupiter
- Very good grain quality
- Improved blast resistance compared to Jupiter

#### CLJ01

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



## Horizon Ag Varieties

### Disease Ratings

Variety	Sheath Blight	Blast*	Straight Head	Bacterial Panicle Blight*	Narrow Brown Leaf Spot*	Kernel Smut	False Smut	Lodging
PVL02	MS	MS	-	S	MS	-	MS	MS
PLV03	MS	MR	S	MS	MR	MS	MS	MR
CLHA02	MS	S	S	MS	S	MS	MS	MR
CLL16 <sup>1</sup>	S	MS	-	S	MR	-	MS	MR
CLL17 <sup>1</sup>	S	R	-	MR	MR	-	MR	S
CLL15	S	MS	MS	S	MS	S	S	MR
CL111	VS	MS	S	VS	S	S	S	MS
CL151	S	VS	VS	VS	S	S	S	S
CL153 <sup>1</sup>	S	MS	MS	MS	MS	S	S	MR
CL163	VS	S	MR	MS	R	MS	-	MS
CLM04	MS	S	MS	MS	MS	-	S	S
CLJ01	MS	MR	MS	S	MS	-	MS	-

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>This variety has genetic markers for Pita, which confers resistance to the following blast races: IA45, IB1, IB49, IB54, IB45, IH1, IG1, IC17, IE1.

### 2022 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)
PVL02	42	85	50-70	120-160
PVL03 (NEW)	40	81	50-60	10-160
CLHA02 (NEW)	38	83	55-65	120-160
CLL16	42	86	70-80	130-160
CLL17	39	81	45-60	90-130
CL111	39	77	60-70	120-160
CL151	41	81	55-65	90-150
CL153	42	81	60-70	120-160
CL163	41	83	60-70	120-160
CLL15	38	81	60-70	120-160
CLM04	42	86	60-70	120-160
CLJ01	38	85	60-70	120-160

Catch rice on at least three rows at a time while turning drive wheel 10 times. Multiply answer from equation by number of rows caught and total distance. If the amount caught is different from answer, adjust accordingly and repeat.

<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 NStR 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.

## 2022 Dyna-Gro Long-Grain Rice Variety

### DG263L

- Strong and consistent yield potential
- Broadly adapted
- Good lodging resistance
- Excellent grain quality, low chalk
- Good milling yields
- Bacterial panicle blight and kernel smut resistance

## Dyna-Gro Variety

### 2021 Variety Characteristics and Suggested Management Practices

Variety	Type	Height (inches)	Maturity (days to 50% heading)	Suggested Seeding Rate (Lbs/A)	Suggested Nitrogen (lbs N/A)
DG263L	Long grain	36	85	45-65	150-180

### Disease Ratings

Sheath Blight	Blast	Straight Head	Bacterial Panicle Blight	Narrow Brown Leaf Spot	Kernel Smut	False Smut	Lodging
S	MS	MS	MR	MS	MR	MR	MR



RiceTec*											
Products*	RT7321 FP	RT7521 FP	RT7421 FP	RT7523 FP	XP753	RT7301	RT7401	RT7501	RT7801**	RTV7231 MA	RT7331 MA
Technology Traits	FullPage				Conventional					Max-Ace	
Grain Type	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain	Long Grain
Avg. Yield Advantage (RiceTec Trials)	25%	24%	24%	24%	27%	27%	26%	22%	20%	31% <sup>1</sup>	49% <sup>1</sup>
Milling Average	55/70	54/70	57/70	56/70	55/70	55/70	57/70	54/69	57/70	53/68	55/70
Maturity Group	Early	Medium	Medium	Medium	Early	Early	Medium	Medium	Mid/Late	Early	Early
Days to 50% Headed	82	84	84	85	82	82	84	84	90	79	81
Days to Grain Maturity	112	114	114	114	112	112	114	114	121	109	111
Agronomic Characteristics											
Stress Tolerance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Average	Excellent
Pubescence	Present	Present	Present	Present	Present	Present	Present	Present	Present	Absent	Present
Height (inches)	46-50	44-48	44-48	42-44	42-46	42-46	44-48	42-44	44-48	40-44	46-50
Standability	Below Average	Average	Average	Above Average	Average	Average	Average	Above Average	Average	Average	Average
Grain Retention	Above Average	Above Average	Average	Above Average	Above Average	Above Average	Average	Above Average	Above Average	Average	Above Average
Ratoon Potential	Above Average	Average	Above Average	Average	Above Average	Above Average	Above Average	Above Average	Average	Average	Above Average
Management Recommendations											
Total Nitrogen (lbs of N)	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150
Preflood	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120
Late Boot	30	30	30	30	30	30	30	30	30	30	30
Disease Characteristics											
Blast	R	R	R	R	R	R	R	R	R	R	R
Sheath Blight	MS	MS	MS	MS	MS	MS	MS	MS	MR	MS	MS
Straighthead	S	MS	MS	MS	S	S	MS	S	MS	S	S
Kernel Smut	MS	MS	MS	MS	MS	MS	MS	MS	MS	S	MS
False Smut	MS	S	MS	MS	MS	MS	MS	MS	MS	MS	MS
Stem Rot	S	S	S	S	S	S	S	S	S	S	S
Bacterial Panicle Blight	MR	MR	MR	MR	MR	MR	MR	MR	MR	S	MR
Sheath Rot	MR	MR	MR	MR	MR	MR	MR	MR	MR	VS	MR
Narrow Brown Leaf Spot	MR	MR	MR	MR	MR	MR	MR	MR	MR	S	MR

\*RiceTec seed characteristics and performance are determined from data collected from specific RiceTec and/or university field trials and are not a guarantee of performance nor do they constitute a warranty of fitness for a particular use.

\*\*High amylose and low gel temp; <sup>1</sup>Comparison vs. PVL02