

# Variety/Hybrid 2017 Roster

*Check out proven and new releases for the upcoming season.*

Once that last bushel, barrel or hundredweight of rice is in the bin, you can review how selected Clearfield varieties and/or hybrids performed on your operation during 2016. Consider each field individually along with your goals when deciding what to plant for 2017. The following charts and information were provided by Horizon Ag LLC and RiceTec.

## Horizon Ag LLC Clearfield Varieties

### 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

### 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

### CL172

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

## Web Resources

For more information about Horizon Ag Clearfield varieties, visit [www.horizonseed.com](http://www.horizonseed.com)

For more information about RiceTec hybrids, visit [www.ricetec.com](http://www.ricetec.com)

- Blast resistance
- Lodging resistance

### CL272

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

## RiceTec Inc. Conventional Hybrids

### XP753

- Highest yielding conventional rice line available
- Consistent performance in any environment
- Improved grain retention
- Excellent ratoon potential
- Superior disease resistance

### XP760

- Improved yield over XL723
- Superior milling yield
- Improved grain retention
- Superior disease resistance

### XL723

- Excellent performance since 2005
- Ideal for straighthead prone soils
- Superior milling yield
- Excellent ratoon potential
- Superior disease resistance

## RiceTec Clearfield Hybrids

### Clearfield XP4534

- Very early maturity
- Short stature and excellent lodging resistance
- Superior grain retention
- Superior disease resistance

### Clearfield XL745

- Most widely grown long-grain rice in the United States
- Superior performance across all environments
- Superior milling yields
- Excellent ratoon potential
- Superior disease resistance

### Clearfield XL729

- Proven performance
- Best performance on clay soils
- Excellent ratoon potential
- Best straighthead tolerance of Clearfield lineup
- Superior disease resistance

### RT7311 CL

- NEW Clearfield hybrid for 2017
- Highest yielding Clearfield hybrid in trials in 2016
- 11% yield advantage over Clearfield XL745 in 2016
- Excellent lodging resistance
- Early maturity
- Superior disease resistance

### Clearfield Gemini 214 CL

- NEW high-yielding Clearfield hybrid
- 5% yield advantage over Clearfield XL745 in 2016
- 5 days later than Clearfield XL745
- Improved milling yield
- Superior disease resistance

### RT7812 CL

- NEW Clearfield hybrid for 2017
- 1% to 5% yield advantage over Clearfield XL745 in 2016
- Improved milling quality
- Preferred grain quality with low chalk
- 7-10 days later than Clearfield XL745
- Superior disease resistance

## Clearfield Varieties

Variety	Disease Ratings								Characteristics / Suggested Management Practices			
	Sheath Blight	Blast*	Straight Head	Bacterial Panicle Blight*	Narrow Brown Leaf Spot*	Kernel Smut	False Smut	Lodging	Height (inches) <sup>2</sup>	Maturity (days) <sup>3</sup>	Suggested seeding rate (lb seed/A) <sup>4</sup>	Suggested nitrogen rate (lb N/A) <sup>5</sup>
CL111	VS	MS	S	VS	S	S	S	MS	39	77	60-70	120-160
CL151	S	VS	VS	VS	S	S	S	S	41	81	55-65	90-150
CL153	S	MS <sup>1</sup>	MS	MS	MS	S	S	MR	42	81	60-70	120-160
CL163	VS	S	MR	MS	R	MS	-	MS	41	83	60-70	120-160
CL172	MS	MS <sup>1</sup>	-	MS	S	MS	S	MR	38	79	65-80	120-160
CL272	S	MS	MS	VS	S	MS	-	MR	39	82	60-70	120-160

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, IH1, IG1, IC17, IE1. <sup>2</sup>Height will vary with plant density and environment. <sup>3</sup>Maturity (Emergence to 50% heading) varies with geographical region and environmental conditions in a given year. <sup>4</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>5</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 NST\*R program is recommended where applicable and has been shown to decrease incidence of disease and lodging. Please contact your local Cooperative Extension office for more information.

## RiceTec Hybrids

		Clearfield XL729	Clearfield XL745	CLXP4534	Gemini 214 CL	RT7311 CL	RT7812 CL	XL723	XP753	XP760
		Clearfield Long-Grain Hybrids					Conventional Long-Grain Hybrids			
Agronomic Characteristics / Suggested Management Practices	<b>2016 Yield Advantage<sup>2</sup> (Adv.-wins-n)</b>	20% - 94% 544	21% - 93% 630	24% - 95% 348	31% - 100% 44	32% - 100% 39	26% - 98% 44	24% - 93% 655	32% - 98% 347	25% - 97% 154
	<b>Milling Average<sup>3</sup></b>	58/70	58/71	53/70	55/69	56/71	57/71	59/70	56/71	58/70
	<b>Maturity Group</b>	Early	Early	Very Early	Early	Early	Med. Late	Early	Early	Early
	<b>Days to 50% Head</b>	83	81	76	86	79	92	82	82	87
	<b>Days to Grain Maturity</b>	112	109	105	116	109	123	111	109	117
	<b>Stress Tolerance</b>	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	<b>Pubescence</b>	Present	Present	Present	Present	Present	Present	Present	Present	Present
	<b>Height (inches)</b>	42-44	42-44	37-39	44-48	42-44	46-49	42-44	42-44	44-48
	<b>Standability</b>	Average	Average	Excellent	Above Avg	Above Avg	Average	Average	Above Avg	Above Avg
	<b>Grain Retention</b>	Below Avg	Average	Above Avg	Above Avg	Above Avg	Above Avg	Below Avg	Above Avg	Above Avg
	<b>Ratoon Potential<sup>4</sup></b>	Above Avg	Average	Above Avg	Average	Above Avg	Average	Above Avg	Above Avg	Average
	<b>Total N (lbs of N)</b>	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150	120-150
	<b>Preflood</b>	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120	90-120
<b>Late Boot</b>	30	30	30	30	30	30	30	30	30	
Disease Characteristics <sup>5</sup>	<b>Blast<sup>6</sup></b>	R	R	R	R	R	R	R	R	R
	<b>Sheath Blight</b>	MS	MS	MS	MS	MS	MR	MS	MS	MS
	<b>Straighthead</b>	MR	MS	MS	MS	MS	MS	MR	MS	MS
	<b>Kernel Smut</b>	MS	MS	MS	MS	MS	MS	MS	MS	MS
	<b>False Smut</b>	MS	MS	MS	MS	MS	MS	MS	MS	MS
	<b>Stem Rot</b>	S	S	S	S	S	S	S	S	S
	<b>Bacterial Panicle Blight</b>	MR	MR	MS	MR	MR	MR	MR	MR	MR
	<b>Narrow Brown Leaf Spot</b>	MR	MR	MR	MR	MR	MR	MR	MR	MR

<sup>1</sup>RiceTec hybrid characteristics 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. <sup>2</sup>Performance based on replicated head-to-head comparisons (vs. CL151 for CL hybrids and Cheniere for conventional) in RiceTec and university trials (% advantage, % wins, # of comparisons) <sup>3</sup>Milling averages taken from head-to-head comparisons in field trials and planting date trials; very early and medium-late hybrids may be disadvantaged due to single harvest date. <sup>4</sup>Ratoon potential on full-season hybrids may be reduced if harvest is delayed due to later plantings. <sup>5</sup>R=Resistant, MR=Moderately Resistant, MS=Moderately Susceptible, S=Susceptible, VS=Very Susceptible. Although RiceTec hybrids normally do not require fungicide treatment, fields should be scouted closely for disease and treated with fungicides when necessary. Consider field history and environmental conditions when making fungicide decisions. Apply preventive applications of fungicides if justified by field history for kernel smut, false smut and/or Cercospora. <sup>6</sup>RiceTec hybrids have shown field resistance to common strains of rice blast fungus. Susceptibility to unusual strains of the rice blast fungus, which have been rare in the field to date, have been documented in nursery trials.