

# Field Day 2016

Published for the customers of RiceTec, Inc.

•Check our website for the latest news, economic models, and yield forecasts.

•For BASF Clearfield® System use and stewardship guidelines, visit the RiceTec or BASF website.



*Leadership and Innovation Within the Field of Rice*



**RiceTec**

## Arkansas Field Day

Date: Wednesday Aug 3, 2016

Registration begins at 6:30 AM

RiceTec Business Center

15329 Hwy 1

Harrisburg, Arkansas

### Field Day Features

- New herbicide tolerance products from RiceTec
- New experimental hybrids including RT7311 CL<sup>1</sup>
- Managing alternative irrigation strategies
- Door prize drawings
- CCA continuing education credits available
- Select vendors on hand

### Speakers

**Dr. Merle Anders, Net-Profit Crop Consultancy**  
- Sustainability opportunities for growers

**Mike Gumina, Global CEO, RiceTec AG**  
- Meeting sustainability and grain quality needs

Partnering in Your Success



### New RiceTec Products

Field Stop #1 will include RiceTec's new experimental hybrids including new hybrid RT7311 CL. RT7311 CL offers a new standard in yield in the Clearfield Production system with a 25% yield advantage over CL151, excellent standability, and good disease resistance. RT7311 CL will join Gemini 214 CL as the newest Clearfield hybrids available at this time.

Both new Clearfield Hybrids exceed Clearfield XL745 performance in the field. Other new experimental hybrids are CLXP765 and CLXP769 with improved rice quality characteristics. CLXP765 and CLXP769 will combine low chalk and improved whole milling in Clearfield hybrids.

Clearfield Hybrid Performance Gulfcoast Planting Date Trial



### A significant yield boost for your 2017 success!

**RT7311 CL**



With the highest yield potential of any Clearfield® long grain, RT7311 CL offers a new standard in yield, combined with the superior RiceTec product disease package, improved grain retention and excellent ratoon potential.

**+25%**

yield advantage  
versus CL151\*

Milling average <sup>1</sup>	62/71
Maturity	
Days to 50% headed	81
Days to grain maturity	112
<b>Agonomic characteristics</b>	
Purulence	Present
Height (inches)	42-43
Stand ability	Above average
Grain retention	Above average
Ratoon Potential <sup>2</sup>	Excellent
<b>Management Recommendation</b>	
Total Nitrogen (lbs. of N)	120-150
Pre flood (lbs. of N)	90-120
Late boot (lbs. of N)	30
<b>Disease package<sup>3</sup></b>	
Blast <sup>4</sup>	R
Sheath Blight	MS
Strawhead	MR
False Smut	MS
Kernel Smut	MS
Stem Rot	S
Bacterial Panicle Blight	S
Narrow Brown Leaf Spot	MR



\*Based on a one year data comparison.  
<sup>1</sup> RiceTec seed characteristics are determined from data collected from specific RiceTec field trials and are not a guarantee of performance, nor they constitute a warranty of fitness for a particular use.  
<sup>2</sup> Disease resistance after the treatment of a variety of diseases in a field trial.  
<sup>3</sup> Blast: R-Resistant, MS-Moderately resistant, MR-Moderately susceptible, S-Susceptible, V-Very susceptible.  
<sup>4</sup> All Clearfield products have shown field resistance to complete control of blast disease. Susceptibility to other diseases, such as Brown Blight, which have been reported in the field, has been documented in primary trials.



Also available on our website: **WWW.RICETEC.COM**



## Field Day 2016

### Irrigation and Fertilization Strategies

Field Stop #2 will involve alternative irrigation strategies. Dr. Merle Anders of Net Profit Crop Consultants will be on hand to discuss irrigation strategies and sustainability. Current trials located at the RiceTec facility include: furrow irrigated rice, center pivot irrigated rice, and AWD irrigated rice. The irrigation trials will focus on hybrid performance across the different irrigation methods as well as sustainability. To date hybrids have been the best performing options in furrow and center pivot irrigation due to a hybrids ability to outperform other lines in alternative irrigation strategies. Disease resistance and hybrid vigor are key components in RiceTec, Inc. products performance. Furrow Irrigation Nitrogen Definition trial was also conducted to evaluate nitrogen rates and timings in furrow irrigated rice to evaluate the performance of hybrids. Rates of 90 to 225 units were evaluated split across multiple timings from pre-flood, midseason, boot and weekly timings. These treatments will allow RiceTec to focus on the correct nitrogen management program in furrow irrigated rice for hybrids.



*\* Dr. Anders is a former Rice System Agronomist at The University of Arkansas. Following retirement from the UA in 2015, he began a consulting company that advises SmartRice consultants and growers in management practices that are aimed at producing sustainability grown rice, without yield sacrifices, and an increase in the producers' net income.*

### Nitrogen Management and Planting Date Performance

Field Stop #3 will involve general hybrid nitrogen management and planting date performance of hybrids. Early planting dates have always resulted in the best rice performance, until last year, when later planting dates actually outperformed the earliest planting dates. 2015 was a year full of challenges, but overall the best performance for hybrids will be obtained from April 1<sup>st</sup> to approximately May 10<sup>th</sup>. Hybrids actually increase their performance over non hybrids planted late but hybrid yields do decline when planted in late May and June. For maximum performance, plant your hybrids in April or early May. Hybrid nitrogen management has stayed pretty standard at 90 or 120 units pre-flood with a 30 unit boot application. Nitrogen rates applied should always be modified to fit the specific conditions of the field. Midseason applications are not standard practice, but can be applied if needed. Caution should be used when applying midseason nitrogen to hybrids due to enhanced lodging risk and should only be applied if needed. Many growers apply midseason applications to XL753 with great success. Evaluation of CORON and various other products in place of the nitrogen boot application will also be discussed. Rice producers in various areas have utilized CORON instead of Urea at the boot timing. A trial is being conducted with Headset, CORON, and Black Label Zinc as options in place of Urea at the boot timing. RiceTec is investigating the effect of removing the boot urea application and substituting these products as possible future options.



### New Herbicide Technology

Field Stop #4 will involve RiceTec, Inc. new herbicide technology efforts in rice. We are currently pursuing hybrids in new technologies in rice to assist with problem weeds in rice. These new technologies and associated weed control will be visible on the stop. The current materials being evaluated at this time have tolerance to ACCase products similar to the PROVISIA system of BASF. Projected timeline for RiceTec, Inc. with this new trait might include hybrids in 2019 to 2020 for first availability. These new hybrids will allow for multiple applications of ACCase herbicides for control of red rice and other problem weeds greatly benefiting the stewardship of the Clearfield Production System and hopefully resulting in maintaining both technologies.





## Field Day 2016

### Sustainability and Grain Quality

After completion of our field tours, field day attendees will gather inside for brunch, door prizes, and our keynote speaker. Mike Gumina, Global CEO of RiceTec AG, will address the crowd on the topics of sustainability and grain quality.

As the world's population grows rapidly, those of us in the agricultural industry are faced with monumental challenges in the coming years. We must significantly increase our food supply, on the same or less arable land, and do this in an environmentally and economically sustainable way. Mr. Gumina will discuss the work that RiceTec is doing to partner with our customers, consultants, and others in the industry to meet these demands. This work involves improving the bottom line for our customers, while also reducing water usage, greenhouse gas emissions, and nitrogen runoff.



Mr. Gumina will also discuss the issue of grain quality in the rice industry. He will discuss the approach RiceTec is taking to improve grain quality not only through genetics, but also in how we handle and process the grain after harvest. Creating a more desirable product is key to maintaining and expanding our markets around the world.

### Successful Field Day in Eagle Lake, TX

RiceTec held its Westside Field Day at our Facility in Eagle Lake, Texas July 12<sup>th</sup>. Members of the Texas rice industry, including customers, Service Partners, and affiliated industry were in attendance. District Sales Manager for Texas, Derrol Grymes kicked off field tour part of the program by explaining the importance of our farm scale testing programs, and introduced the group to some of our potential new Clearfield releases for 2017.

The Nitrogen Validation Trial was the backdrop for Craig Hamm, our Technical Service Representative for Texas and Louisiana, to discuss his fertility work on RiceTec Products. Field Day attendees were impressed by the amount of work that goes into evaluating each RiceTec product to several rates and splits in our Nitrogen Validation Trial. Dr. Qi Ren Chu finished up the field portion of the program, by giving a brief overview of the history of hybrid rice in the United States, and renewed RiceTec and LSU collaboration.

The program moved indoors where Mike Gumina, Global CEO of RiceTec, discussed sustainability and improved grain quality, and the role RiceTec products will play in moving forward. The water saving aspects of our products were well received by this group of farmers, who had been without water from the Colorado River for 5 years until the drought was broken this year.

In line with the water savings theme, Crop Consultant from NE Louisiana, Steve Crawford and RiceTec District Sales Manager for NE and Central Louisiana, Mike Worthington talked about the benefits furrow irrigated rice, and how RiceTec products are a perfect fit for this practice. Some of the benefits include, water savings, no levees, which means an easier harvest. Crop rotation can be expanded, to include rice followed by soybean, corn and milo.

Chad Joyce from Zaccaria, discussed the benefits that rice growers are realizing by milling their own rice, for the sustainability market. A small mill was set up to demonstrate the type quality, and milling yield growers can expect from our RiceTec products. Many in attendance participated in the demonstration and left very impressed with the milling results with the RiceTec hybrids.

### Mark Spilman



Field day attendees at RiceTec's Eagle Lake, TX facility.



Rice harvest is underway along the gulf coast region of LA and TX. Yields are reported in the 55-60 barrel (198-216 bushels) range on RiceTec hybrids.



**RiceTec, Inc.**

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### **RiceTec Newsletter Field Day 2016**

- **New RiceTec Products**
- **Irrigation and Fertilization Strategies**
- **Nitrogen Management and Planting Date Performance**
- **New Herbicide Technology**
- **Sustainability and Grain Quality**
- **Successful Field Day in Eagle Lake, TX**

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