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Seed Quality and Testing Update

Seed quality is vitally important for the 2008 season and beyond, so careful attention to sampling and inspection reports is necessary.

Seed certification documents for each lot of CLEARFIELD® rice seed should be sent to Horizon Ag. This includes field inspection reports and seed lab sample results for both germination and purity.

Horizon Ag strongly recommends 35s-bar testing for all CLEARFIELD rice seed this season. Arkansas has announced that it will continue testing for the 2008 season with the same protocol that was used in 2007. Horizon expects all states to repeat 2007 guidelines. Please check with your state seed certification agency to ensure that you are meeting all requirements for certified seed.

USDA/GIPSA Approved Testing Labs:

- BioDiagnostics, Inc. – (715) 426-0246
- Mid-West Seed Services, Inc. – (605) 692-7611
- SGS North America, Inc. – (901) 775-1660
- Eurofins GeneScan, Inc. – (504) 297-4330
- California Seed & Plant Labs – (916) 655-1581
- OMIC USA, Inc. – (503) 223-1497

For more of the latest information on USDA-approved testing labs, go to <http://archive.gipsa.usda.gov/rdd/l/riceprof.pdf>.

If your CLEARFIELD trait tests have not been submitted by now, please do so as soon as possible. All carryover lots are to be tested in addition to new lots. Packing slip and instructions are in the tool box on the Horizon Ag Web site (www.horizonseed.com).

Tanner Seed Farms CL171-AR Report

In 2007, Tanner Seed Farms in Bernie, MO planted five rice varieties, each on several hundred-acre blocks. The resulting harvest and

“The CL171-AR had the best milling yield of any variety on our farm...”

milling paints a good picture of the potential of CL171-AR.

The Wells variety has consistently been a good product for the Missouri/northeast

Arkansas rice growing region, offering high yields and good milling. After seeing CL171-AR compared to Wells, Cocodrie, Francis and CL161, Zack Tanner believes the new CLEARFIELD variety can be a solid alternative to Wells and the other varieties.

“The CL171-AR had the best milling yield of any variety on our farm with a 64/72,” said Tanner, owner of Tanner Seed Farms. “Our CL171-AR also averaged 193 dry bushels per acre, beating Wells. It has proven itself to me.”

Tanner said CL171-AR is a good option for acres less affected by red rice problems because it offers high yield and excellent milling. He recommends a seeding rate of 75 to 85 lbs/acre of fully-treated seed for CL171-AR. In 2007, he applied a total of 190 lbs/acre of nitrogen on the variety. He said CL171-AR produced a large, strong stalk, was similar in height to Wells and suffered no lodging on his farm.

(Continued on page 2)



Tanner Seed Farms CL171-AR Report (Continued from page 1)

"It is a good option for farmers used to planting Wells, but now want the superior red rice control offered by the CLEARFIELD® system," he said. "Because of its demonstrated high yield and superior milling, it can also be a good option for farmers not necessarily looking to address red rice problems. We've experienced early interest in the new variety and have received bookings of CL171-AR."

2007 Tanner Seed Farm Results

Variety	Dry Yield	Milling
CL171-AR	193 bu/a	64/72
Wells	191 bu/a	61/71
Cocodrie	200 bu/a	60/71
Francis	220 bu/a	59/70
CL161	169 bu/a	61/70

Conservation Systems Cotton & Rice Conference

Horizon Ag is a co-sponsor of the 11th Annual National Conservation Systems Cotton & Rice Conference, which occurs in Tunica, MS on January 21-22.

A production of Mid-America Farms Publications, the Cotton & Rice Conference will be held at the Grand Casino and features roundtable discussions and presentations on key agronomic issues such as production technology, pest management, seed and equipment.

Horizon Ag will have an exhibit at the conference trade show where information on the new CLEARFIELD rice varieties can be found. Also, a presentation on the performance and management requirements of CL171-AR is on the conference breakout session schedule. Please look for this presentation and make sure to attend to learn the latest on the exciting new Horizon Ag CLEARFIELD rice variety.

Conference Schedule at a Glance

Monday, Jan. 21

8:00 – 9:40	Trade Show Open
9:45 – 10:45	Opening Grand Session
10:45 – 11:50	Trade Show Open
Noon – 1:20	Roundtable Luncheon
1:30 – 5:30	Trade Show Open
1:30 – 5:35	Breakout Sessions

Tuesday, Jan. 22

7:00 – Noon	Trade Show Open
8:00 – 11:20	Breakout Sessions
11:30 – 12:30	2007 Farm Bill Panel Discussion
12:30	Conference Adjourns

New Horizons

2008 Variety Information

Rice Variety Disease Ratings (2007)

Disease	CLI31	CLI51	CLI61	CLI71-AR
Sheath Blight	VS	VS	VS	VS
Blast	MS	VS	S	MS
Stem Rot	S	S	S	S
Kernel Smut	S	S	S	S
False Smut	S	S	S	S
Brown Spot	R	R	R	R
Straight Head	VS	VS	MS	MS
Lodging	MR	MR	MS	MS
Black Sheath Rot	S	S	S	MS
Bacterial Panicle Blight	VS	S	S	S
Narrow Brown Leaf Spot	VS	S	MS	MS

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

Rice Variety

Milling Yield	CLI31	CLI51	CLI61	CLI71-AR
Whole	63	59	62	59
Total	70	68	70	69

Source: 2007 LSU Commercial Advance Trials (average of 3 locations)



OPP Web site deadlines

- Preliminary seed orders are due now
- Final seed orders are due February 1, 2008
- Enter processing records within two weeks of run

Be sure to visit the new
Horizon Web site at
www.horizonseed.com ►



New Horizons



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Protect Your Investment

CLEARFIELD® rice varieties are protected by one or more of the Plant Variety Protection Act (PVPA) Certificates 200100106, 200100107, 200200198, 200500349, with additional PVPA certificates pending as well as one or more of United States Patent Numbers 5,952,553; 6,274,796; 6,222,100; 6,943,280; 7,019,196; with additional patent applications pending. CLEARFIELD rice seed cannot be legally saved under any circumstances, and can only be purchased

in "certified class" from Horizon approved ORYGEN® Seed Retailers.

Growers can not save CLEARFIELD rice seed from the previous crop for any planting purposes whatsoever, as clearly defined in stewardship agreements signed at purchase. Progeny seed may only be sold as a commodity and may not be saved for propagation in a subsequent season, nor sold for propagation by others, nor otherwise transferred without written permission

from the patentee or its authorized licensee. Unauthorized use, distribution, planting, harvesting or sale is strictly prohibited.

Report CLEARFIELD rice seed piracy by calling the Horizon Ag toll free number (888-429-2829) or notifying your local seed retailer. Please help us protect the most exciting technology in rice by buying only certified CLEARFIELD seed from your ORYGEN seed retailer.

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Horizon Ag LLC designed the ORYGEN Seed Marketing System to coordinate the production and distribution of advanced seed lines for technology providers and public university breeding systems through Authorized Producer/Processor and Retailer partners. This novel approach provides efficient and economical development and marketing of new seed technologies.

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