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Dear CLEARFIELD® Rice Producer Processors,

As the harvest season winds up, no matter what your measure of choice may be, barrels, bushels, hundred weights or sacks, everyone is counting the size of the 2007 rice harvest as we speak. What has been one of the single most challenging crops of recent memory is now practically in the bin and we are very proud to say that Horizon Ag CLEARFIELD rice varieties have again demonstrated their value to rice growers.

Though many started with some apprehension this season and the problems of seed availability were a constant in all southern rice growing states, the majority of all CLEARFIELD rice growers are reporting excellent yields with both CL161 and CL171-AR. As you can see in the field reports included in this newsletter our rice varieties continue to deliver as promised. Horizon Ag varieties continue to set the mark for CLEARFIELD rice yields and quality for all available products in the market place. We stand behind this and are proud to assist in providing rice growers with key tools for crop production.

Our marketing efforts will continue to be “real farms/real results” and focus on commercial rice growers with attention toward actual broad-acre yields and “bottom line” returns. Horizon Ag CLEARFIELD varieties are simply the best on the farm, providing the highest herbicide tolerance on the market along with consistent yield performance. At the end of the day, most growers know that CLEARFIELD varieties are the clear choice for their farm.

Our 2008 advertising campaign to assist your selling efforts will continue to highlight the consistencies of yield and milling quality that is simply the best in the business. Our focus and business approach are why we’re where we are today and I am quite confident that we will again “move the needle” as we make progress into next year. Simply put, we’re about helping your growers make money year in and year out by bringing the best rice varieties to market.

We’ve had tremendous success this season, not only in our commercial business but in also remedying issues that made 2007 the extremely challenging year that it has been. Horizon Ag has made great progress and you’ll soon be learning the outcomes of several key issues that will positively contribute to your business. We know you’ll be pleased. We are extremely proud of all efforts to support CLEARFIELD rice varieties and look forward to our annual ORYGEN® Producer Processor meeting in Little Rock, AR this November 7-8th where you’ll hear the latest on our business.

Sincerely,



Randy Ouzts  
General Manager



## 2007 Harvest Offers Better Picture of CL171-AR Potential

Harvest reports on fields planted to CL171-AR across the mid-south show many promising characteristics for this new variety.

Vendal Fairchild in Louisiana watched the yield monitor in his combine jump to 200 dry bushels/acre during harvest of CL171-AR in late August. The field ended up averaging between 175 and 180 dry bushels/acre, better than Cocodrie and CL161 have performed on this farm near Lake Providence.

"We will definitely plant more of this next year," Fairchild said. "It looked like CL171-AR had a healthier stalk and therefore it stood much better than CL161, which tends to lodge on us. It looks like it will out-cut CL161 and will yield with CL131, if not better. We're satisfied."

Near Jonesboro, AR, Mike Mahan reported great yields and good early-growth with CL171-AR. He planted 65 pounds/acre, got the rice up to a good stand when an Easter freeze hit. The CL171-AR withstood the cold temperatures and started growing back once warmer weather came back, said Mahan, seed producer of Burns Seed Farm.

Burns Seed Farm had four fields planted to CL171-AR this season. One field averaged 165 bushels/acre dry, another

averaged 171 bushels, and two fields averaged 178 bushels/acre. Together, the four fields averaged 171 bushels/acre. A cup weight was pulled and it showed 49.3 pounds/bushel.

"With that cup weight the milling yield could be excellent," said Mahan. "It was the prettiest rice crop we had and the average yield was excellent. This may be the best CLEARFIELD® rice variety available to us. I highly recommend CL171-AR."

For standard protection purposes, Mahan makes one fungicide application to the rice crops at Burns Seed Farm and 2007 was no exception. He wound up having to make additional applications to other rice varieties, but not to CL171-AR, which he believes has a better disease package than CL161. Mahan said CL171-AR also did not seem to have trouble with the salinity level in the soil at Burns Seed Farm.

"If it will cut 165 bushels/acre or so and control red rice, you can't do better than that," he said. "I think it cut as good as what the Wells on our farm will cut. I am really pleased with CL171-AR."

After just one season growing CL171-AR, producer Christian Richard in Kaplan, LA gave the following report:

### Disease Package

"The main thing I see that CL171-AR has over CL161 is the disease package. I think the disease package is better on CL171-AR. We ended up putting a fungicide down for insurance purposes, but at no point did we see any disease issues in CL171-AR, prior to the fungicide application or after."

### Fertility

"During the Easter cold snap, the field was flooded to insulate the 2-inch-tall rice plants, and I think this helped get the crop off to a good, early stand. This was an LSU Verification Field, so we followed their nitrogen recommendations. We applied 180 pounds per acre with a ground rig and the rice took off and never looked back."

### Yield

"The yield on the first cutting was comparable for our farm, but excellent for the field, which has never made more than 35 barrels per acre (126 bushels/acre). With CL171-AR planted there, we cut 42.7 barrels to the acre (154 bushels/acre). I believe we could have pushed the fertilizer more to get better yields from this variety."

*(Continued on page 3)*





## 2007 Harvest Offers Better Picture of CL171-AR Potential (Continued from page 2)

### Weed Control

"We did not burn down this field prior to planting. We leveled and performed some drainage work then no-till seeded it. We put one shot of Newpath® on it then came back with a second application that was tank mixed with both Londax® and Permit®. Because we did not burn the field down, we had some weeds out there and the tank mix helped."

### Lodging

"I've planted CL161 before and it yields very well, but tends to have lodging

problems in our fields. We did not have any lodging in the CL171-AR."

### Ratoon Crop

"The field was harvested the first week of August. Immediately after the harvest, 160 pounds of nitrogen was flown on and the field was flooded to start the ratoon crop growing. I am most impressed with the second crop. Right now this is the best-looking second crop we have. It really never stopped growing and the re-growth looks great. Seeing is believing and if you saw this you would be amazed."

## Horizon Field Rep Reports

### Report from Lance Schmidt

Many growers in Arkansas are having success with CL171-AR. As of Sept. 20, about 65% of the CL171-AR acres had been harvested. The excellent straw strength and improved disease resistance of CL171-AR coupled with improved yield potential on some farms has a lot of farmers wanting to plant it in 2008. Yield reports below are dry bushels:

#### NE Arkansas and Missouri (Jonesboro North)

Fields of CL171-AR are ranging from 160 to 205 bushels/acre in extreme NE Arkansas, with the average falling in the 185 bushel-range. Some growers are saying it is the best CLEARFIELD® rice they have ever cut. Tanner Farms in Missouri had several fields cutting 200-plus bushels/acre. Many other growers who have typically made 150 to 160 CL161 and CL131 are reporting 180 bushels/acre with CL171-AR. CL161 in this area is doing average to excellent.

#### Central Arkansas (Jonesboro to I-40)

CL171-AR yields are average, falling in the 145 to 185 bushels/acre range with the average around 165 bushels. Production

fields around McCrory cut in the 178 bushels/acre-range, which was good for these fields. CL161 for the most part has been cutting extremely well in this area as growers have fine-tuned this variety.

#### South Arkansas (I-40 South)

Fields planted to CL171-AR have ranged in yield from 162 to 200-plus bushels/acre, with an average in the 180 range. The variety seems to be doing extremely well on the prairie soils. Further south, CL171-AR has had average performance, but I expect some excellent yields from some fields that are being harvested later. CL161 yields in this area have been good to average for the variety.

### Report from Jennifer Wells

#### Mississippi

It looks like a great rice crop as harvest continues through the fall. CL161 seems to be doing better than it ever has, with yields reaching the 190 to 200 bushels/acre range. Mississippi growers have more experience with CL161, and are learning to manage it better. Additionally, the weather so far has been good and there have not been heavy rains recently that would create the potential for CL161 to lodge. Only a few fields planted to CL171-AR have been cut, but many fields appear to hold a good crop. The yields so far have been in the 165 to 170 bushel range. CL171-AR appears to have better straw strength than

*(Continued on page 4)*



## Horizon Field Rep Reports (Continued from page 3)

CLI161 and more needs to be learned about the variety. Mississippi growers are very anxious to see CLI131 return to the market and we're already getting inquiries into availability in 2008.

### Report from Michael Fruge

The rice harvest in Louisiana and Texas is just about complete and yields have been mixed:

#### North Louisiana

CLI161 was planted on a small amount of acres and performed really well. There was some lodging farmers had to deal with due to early-August storms. However, they still had yields in the 170 to 180 dry bushels/acre (47-50 barrels/acre) range. CLI171-AR performed very well on many farms. Two production fields averaged 181 and 204 bushels/acre (50-57 barrels), while an LSU verification field near Lake Providence cut 177 bushels/acre (49 barrels). A CLI171-AR production field that dried 204 bushels/acre was the highest yield cut on the 4,200-acre farm, so far.

#### South Louisiana

CLEARFIELD® variety yields started off good, with some really strong CLI161 yields, but fell off in the later-planted rice. The first yields reported on CLI171-AR were pretty good and had everyone excited. The first field reported harvested 46 barrels/acre (165.6 bushels/acre). The next couple of reports came in anywhere



from 43 to 45 barrels/acre (154-162 bushels). I think the first few yield reports show the potential of the variety in this region and there should be some interest in CLI171-AR in 2008. The ratoon crops on many fields planted to CLI171-AR have come back really strong and it will be interesting to see how they perform.

The first CLI161 yield report from South Louisiana was from just south of Crowley and it cut 49 barrels/acre (176 bushels). I know of two fields this year that cut 51 barrels/acre (183.6 bushels). Most of the CLI161 has been cutting 44 and 47 barrels/acre (158-169 bushels). Some of the later-planted crop was affected by bacterial panicle blight and yields fell into the upper 30 and lower 40 barrels/acre range (120-150 bushels).

Milling reports on both varieties in Louisiana are somewhat like the yields, just not as varied, with some good and some that are a little low. Most of the milling yields I have heard of have been in the 57 to 62 range, with a low of 50/69 and a high of 64/72.

#### Texas

There was not much CLEARFIELD rice planted in Texas this year. Much of the state's rice crop was affected adversely by the vast amounts of rainfall this season. Yields are down from a year ago. That being said, reports from fields planted to CLI161 and CLI171-AR are promising. Production averages obtained from two fields planted to CLI171-AR were 46 and 45 barrels/acre (165.6 and 162 bushels/acre). These yields are just as good or better than most of the rice that was harvested in Texas this year.

Yield reports on CLI161 have been slightly lower, ranging from 42.5 to 44 barrels/acre (153-158 bushels). Only the very early-planted rice seems to be cutting in the upper 40 barrels/acre range (162 bushel-range), and hearing about CLI171-AR cutting 46 barrels/acre (164.6 bushels) is very encouraging. Many seed production fields are being second-cropped and they look very good, however, the ruts from the first harvest could affect second-crop yields.

### OPP Conference Set for Nov. 7-8

Make your reservations now for the 2007 ORYGEN® Producer Processor Conference November 7-8 at the Peabody Hotel in Little Rock, AR.

The meetings begin at 1 p.m. on Wednesday, Nov. 7 and conclude at noon on Thursday, Nov. 8. To reserve a room, call 1-800-732-2639. Be sure to mention that you are with the Horizon Ag group to receive a special room rate of \$149 per night plus taxes.

Please call Jason Stone at 1-866-237-6167 with questions about the upcoming conference.

### USDA Commends Horizon Ag, OPPs

Horizon Ag gives a special thanks to the ORYGEN Producer Processors for their efforts to comply with the recent Emergency Action Notice from USDA Animal and Plant Health Inspection Services.

A USDA Certificate of Appreciation was sent to LuElla Sprout and the Horizon Ag team for working diligently to accomplish the seed disposal and destruction ordered in the Emergency Action Notification.

"We appreciate the considerable time and effort put forth by all Producer Processors during the CLI131 EAN disposal project, which created a tracking and organizational challenge to all of us," said Sprout. "The fact that the USDA recognizes our efforts demonstrates the effectiveness of our certification and seed tracking systems. My sincere thank you goes out to all of the ORYGEN Producer Processors that helped with this project."

# 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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