

Pre Planting 2010

Published for the customers of RiceTec, Inc.



Leadership and Innovation Within the Field of Rice

2010 Planting Recommendations

RiceTec hybrids adapt well planted early or late. However; planting in April in the Midsouth and March in southern Louisiana and Texas maximizes yield potential. RiceTec hybrids should be planted no earlier than **April 1st in the Midsouth** and **March 15th in the Gulf coast**; when the soil temperature at planting depth is 65°F or greater.

Following these guidelines ensure you can maximize yield potential without risking stand establishment. Not following recommended planting dates mentioned above will void RiceTec's stand guarantee policy and replant seed will not be provided free of charge.

Preferred planting method for RiceTec hybrids is drill seeding but water seeding is covered at 50 % if the following guidelines are implemented. Seed should be pre-soaked for a minimum of 24 hours before seeding. Standard RiceTec hybrid seeding rate is 500,000 seeds/acre or 12 seeds/ft² to reach the target stand of 8-10 plants/ft². Recommendations for some products may vary from the standard; specific seeding rates for each product will be printed on the seed bag.

Seeding rates may need adjusting for specific field conditions, cultural practices, and planting dates. Please contact your local RiceTec Representative to discuss possible seeding rate adjustments.

New Seeding Rates for 2010 RiceTec Hybrids

Beginning in 2010, we are changing our recommended seeding rate. This is due to continued improvement in seed quality. In the past, our seed germinations have ranged from 65-80% and hybrid purity from 50-95%.

For 2010 and beyond, RiceTec hybrid seed will be labeled at a minimum of 80% germination and hybrid purity at a minimum of 95%. This improvement in seed quality means customers will plant more viable hybrid seeds per acre than in the past. Even though customers will actually plant fewer seeds per acre, the seeds they plant are higher quality in both purity and germination, resulting in more viable seed per acre. Seeding rate information compiled on trials conducted over the last 9 years have yielded over 3,400 data points that demonstrate an 80% seed efficiency rating while maintaining optimum yield potential with RiceTec Hybrids.

At the new recommended planting rate of 500K seeds per acre (previously 600K), you will notice that paper units will now contain 750K seeds and will still plant 1.5 acres, while MiniBulks will now contain 30 million seeds and will still plant 60 acres.

Please contact your local RiceTec Representative with any questions you may have concerning any of these changes.

•Seed returns are accepted only on Spring pay products in standard packaging, @ 10% of purchase, and returned to your Service partner no later than **7/10/10** in undamaged bags and MiniBulk

•Remember to check our website frequently for updates, information, and details on programs.

•To sign up for the RiceTec podcast, email Dr. Brian Ottis at bottis@ricetec.com

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Dermacor X-100® and CruiserMaxx® Seed Treatments

With the loss of ICON insecticide seed treatment for rice seed a few years ago, many of you have been looking for another means to control early season rice insects. Dermacor X-100® available last season via section 18 labeling and DuPont® plans to make it available again in 2010 pending EPA approval of a full section 3 label. Syngenta® has a section 3 label for CruiserMaxx and will make it available again for the 2010 season as well. For information regarding the benefits of these products please contact your local DuPont® or Syngenta® representatives.

These products will not be included by RiceTec as a part of our standard seed treatment in 2010. Instead, as was the case last season, both products are approved by RiceTec for over-treatment by certified treatment facilities designated and approved by DuPont® or Syngenta®. Interested customers should contact their local DuPont® or Syngenta® representatives for listings of these approved facilities.

Over-treating of RiceTec seed with either insecticide **WILL NOT** affect our stand guarantee policy. This policy, which can be found at www.RiceTec.com will remain intact as written as long as the treatment is performed by approved facilities.

Over-treating **WILL** affect the grower's ability to return RiceTec seed. The current RiceTec return policy allows for 10% return privilege on spring ordered seed only. However, once the seal is broken on any RiceTec seed, either in paper bag or Mini-Bulk, the seed is **NOT RETURNABLE**.

BASF Stewardship Agreements

All rice producers utilizing the Clearfield technology are expected to follow the stewardship guidelines to preserve the technology. The following points are instrumental in preserving the technology:

- **DO NOT** plant CLEARFIELD rice in consecutive years in the same field.
- **Rotate** to another crop such as Roundup Ready® soybeans or corn and use alternate herbicide mode of action for red rice control.
- In rotational crop use a residual herbicide for red rice and grass control, such as Outlook® herbicide or Dual Magnum® and Dual II Magnum®. **DO NOT** use an ALS herbicide as the primary residual herbicide.
- If late germinating red rice is present in a Roundup Ready crop prior to canopy closure, an application of Roundup® is recommended. A non-ALS herbicide should also be used to control red rice and other grasses in soybeans just prior to canopy closure.
- **DO NOT** fallow fields following CLEARFIELD rice without repeated field tillage or glyphosate treatments to control volunteer red rice.

Volunteer Management and Crop Rotation

Planting conventional rice following conventional RiceTec Hybrid rice may result in unappealing cosmetic effects due to contrasting plant appearances from any volunteer plants from the previous year. To ensure this does not take place follow RiceTec Hybrid rice with a RiceTec CLEARFIELD Hybrid® rice or another crop such as Roundup Ready® soybeans, corn, cotton, or grain sorghum. In the Clearfield system crop rotation is the key tool in volunteer management, and should be implemented in all situations, as laid out in the stewardship agreement.

Many of the seed that fall to ground germinate not long after they fall. Additionally, as hybrids carry a single copy of the CL trait, 25% of the volunteer plants that could potentially germinate are expected to be non CL; therefore, killed by Newpath. Two years of research with 4 hybrids confirm the expected proportion of herbicide susceptible F2 plants.

The germination of seed following harvest and the environmental conditions the seed is subjected to after harvest can substantially decreased the number of viable seed that could germinate the following spring. These factors coupled with 25% of viable seed being susceptible to Newpath will result in much lower volunteer plants as compared to the number of seeds that were laying on the ground last fall. Again, crop rotation, as laid out in the stewardship agreement, will also significantly reduce volunteer plants.

Drill Calibration is Key to Achieving a Proper Stand

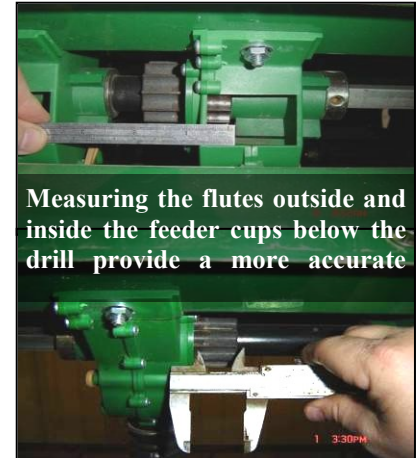
Proper drill calibration is a key aspect of getting your rice crop off to a good start. Drill settings, seed bed preparation, and ground speed during planting are important factors to reach target seed populations.

The chart below has been formulated to assist you in finding a starting point in calibrating your drill for our base recommended seeding rate of 500,000 seeds per acre. The chart includes a cog measurement in addition to a suggested drive speed and notch setting by row spacing. The measurements are obtained by measuring the exposed portion of the cog on both the inside and outside of the feeder cup.

STARTING POINT ONLY - STARTING POINT ONLY - STARTING POINT ONLY

Starting drill settings to plant 500,000 rice seeds/acre*					
Drill make	Row Spacing		Drive Speed	Cog Measurement**	
	(in.)			Notch Setting	Inside
Great Plains	7.5	1	1	60	26
	8	1	1	64	28
	10	1	1	74	32
John Deere	7.5	1/2	1/2	28	19
	10	1/2	1/2	39	26

STARTING POINT ONLY - STARTING POINT ONLY - STARTING POINT ONLY



* Settings based on seed size of 18,000 to 21,000 seeds/lb

** Millimeters of Cog Exposed

1. Use the **slowest possible drive setting**.
2. Set the drill according to the recommended **starting point (Table above)**.
3. Fine-tune calibration in **each 10 foot section** of the drill by:
 - **Recording the circumference of the drive wheel and row width.**
 - Priming seed cups:
 1. Pour enough seed to cover **5 cups**.
 2. Remove seed tubes from the bottom of the hopper box. Make sure that the seed tubes removed correlates with the cups that are covered with seed.
 3. Turn drive wheels enough to prime the seed cups. It is very important that seed is coming out of each open seed cup. Be sure that there is always seed covering the cup.
 - **Calibrating drill to suggested seed count per row foot:**
 1. Turn the wheel a minimum of 15 revolutions while catching the seed from the **5 open cups**.
 2. Weigh the seed caught and figure a preliminary number of seeds per row foot as indicated in the drill calibration worksheet.
 3. If calibration is within one seed per row foot of target, count the seed and calculate final calibration by seed count.
4. **Verify calibration in the field!**

RiceTec Drill Calibration Calculation Worksheet

Calibration

Number of cups (5 per section suggested) (A) _____

Drive wheel
Circumference (inches / 12) = (B) _____ feet

Number of turns (minimum of 15) = (C) _____

Distance covered (AxBxC) = (D) _____ feet

Weight of seed caught (grams / 454) = (E) _____ lbs

Seeds/lb of lot used (Printed on seed bag) (F) _____

Row width (inches / 12) = (G) _____ feet

Seeding Rate

Seeds per Square foot H = (ExF)/(DxG) _____

Seeds per foot of Row I = (ExF)/D _____

Seeds per Acre J = H x 43,560 _____

Pounds of Seed per Acre (J/F) = _____

Drill calibration is a service provided by RiceTec and is **not a guarantee** of achieving target seeding rate. It is the responsibility of the customer to routinely check behind the drill for proper seeding rate.



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**RiceTec Newsletter
Pre Planting 2010**

- 2010 Planting Recommendations
- New Seeding Rates for 2010 RiceTec Hybrids
- Dermacor X-100 and CruiserMaxx Seed Treatments
- BASF Stewardship Agreements
- Volunteer Management and Crop Rotation
- Drill Calibration

RiceTec Service Contacts

Technical Services

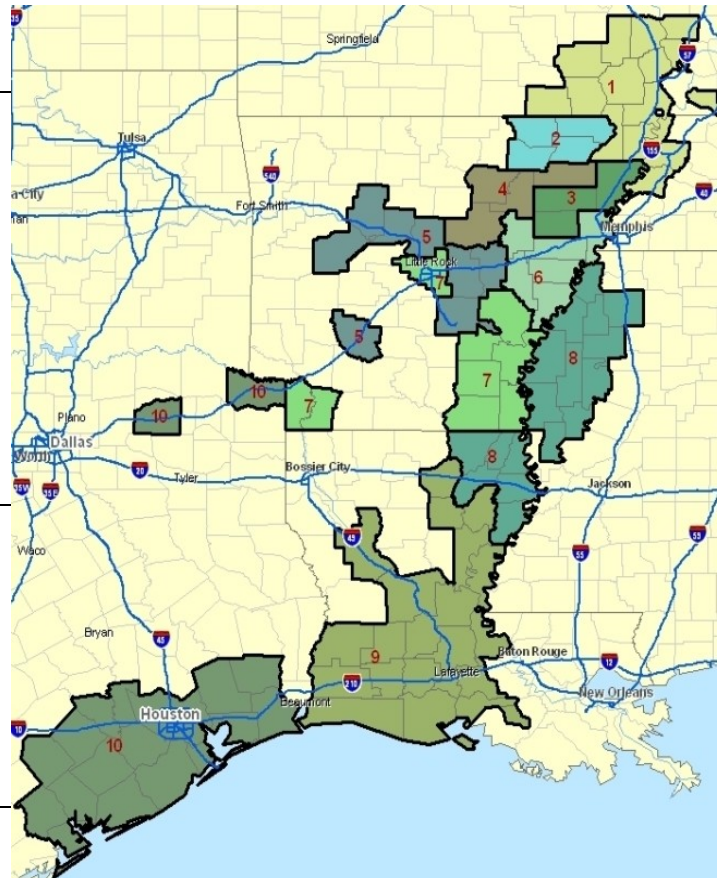
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Email addresses for RiceTec representatives available at www.RiceTec.com

