

EPA Decision Means No Bollgard[®] Cotton in Some States in 2010

Deltapine[®] cotton offers several proven variety options for affected areas.



The U.S. Environmental Protection Agency (EPA) has decided not to allow the planting of Bollgard[®] varieties in some areas of the Cotton Belt in 2010.

As a result of the EPA decision, Bollgard seed will not be sold for 2010 planting in Arizona, California, and New Mexico because pink bollworm eradication programs are under way. Additionally, no Bollgard planting will be allowed in Colorado, Kansas, Oklahoma and 10 counties in the Texas panhandle*, as the EPA determined that there was very little to no Bollgard planted in these areas in previous years.

The transition to new technologies such as Genuity[™] Bollgard II[®] is necessary to maintain the long-term effectiveness of biotech traits in cotton that control key insect pests by moving away from a single mode of action to a dual mode of action in insect resistant cotton products. For farmers in the restricted areas who have not already made the transition to Genuity[™] Bollgard II[®] with Roundup Ready[®] Flex cotton varieties, several solid choices from Deltapine will be available in 2010 and beyond.

Both DP 164 B2RF and DP 161 B2RF have been widely planted in Arizona and other states for the past four years with consistent yields and excellent quality. But many farmers have already begun making the transition from Bollgard varieties to the Deltapine Class of 09 lines.

DP 0935 B2RF is a mid-to-full maturity variety that has delivered consistent yield and crop value performance in both university and Monsanto on-farm testing. It offers excellent yield and fiber quality in a smooth-leaf, nectariless variety, making it less attractive to Lygus plant bugs.

The Deltapine Class of 10 varieties being evaluated this season on more than 140 farms across the Cotton Belt include several candidates that will offer a step up in yield potential not seen since the commercial release of DP 555 BG/RR.

Monsanto is focused on finding ways to make this transition to Genuity[™] Bollgard II[®] go as smoothly as possible. Local Monsanto reps will be working closely with farmers, retailers and others to provide local information on Deltapine variety performance and to help farmers understand the varieties that may be best suited for farms in the restricted areas.

To obtain additional information regarding the transition, go to deltapine.com or contact your Monsanto Territory Sales Manager. To see what farmers are saying about the performance of the Deltapine Class of 09 and the potential of the Deltapine Class of 10, go to cottoncommunity.com.

* Dallam, Sherman, Hansford, Ochiltree, Lipscomb, Hartley, Moore, Hutchison, Roberts and Carson.



Suggested Cotton Varieties for 2010

DP 164 B2RF

- Widely planted in Arizona and has shown great performance across the state, including the southeastern/Safford area.
- Led the 2008 University of Arizona advanced strains trials in Safford area with the top yield average and total crop value.
- A mid-full maturity with outstanding fiber quality.

DP 0935 B2RF

- This mid-to-full variety has demonstrated consistent performance in on-farm trials across the restricted areas.
- Finished third in the 2008 University of Arizona advanced strains trial in average yield and total crop value.
- Nectariless trait (no extra-floral nectar glands) makes this variety less attractive to Lygus plant bugs.

DP 161 B2RF

- Similar to DP 164 B2RF in yield potential and plant type.
- Has shown to average longer staple and stronger fiber than DP 164 B2RF.
- Has slightly earlier maturity than DP 164 B2RF.

DP 0949 B2RF

- A Deltapine Class of 09 cotton variety with maturity most similar to DP 555 BG/RR, but offering better yield potential and fiber quality.
- Has a fit in the Arizona and other arid southwest regions because of its indeterminate nature, similar to DP 555 BG/RR and DP 455 BG/RR.
- Offers high yield and outstanding fiber quality in a full maturity variety.

NEW DELTAPINE CLASS OF 10 VARIETIES

Thirteen variety candidates being evaluated on more than 140 commercial farms across the Cotton Belt.

Data so far shows several candidates from early to full maturities offer a step up in yield potential not seen since the commercial release of DP 555 BG/RR.

Deltapine Class of 10 cotton varieties also offer outstanding fiber quality and will be available in good supplies for the 2010 planting season.

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Growers may utilize the natural refuge option for varieties containing the Bollgard II® trait in the following states: AL, AR, FL, GA, KS, KY, LA, MD, MS, MO, NC, OK, SC, TN, VA, and most of Texas (excluding the Texas counties of Brewster, Crane, Crockett, Culberson, El Paso, Hudspeth, Jeff Davis, Loving, Pecos, Presidio, Reeves, Terrell, Val Verde, Ward and Winkler). The natural refuge option does not apply to **Bollgard II** cotton grown in areas where pink bollworm is a pest, including CA, AZ, NM, and the above listed Texas counties. It also remains the case that **Bollgard®** and **Bollgard II** cotton cannot be planted south of Highway 60 in Florida, and that **Bollgard** cotton cannot be planted in certain other counties in the Texas panhandle. Refer to the Technology Use Guide and IRM Guide for additional information regarding Bollgard II, Bollgard, natural refuge and EPA-mandated geographical restrictions on the planting of Bt cotton. **ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** Roundup Ready® crops contain genes that confer tolerance to glyphosate, the active ingredient in Roundup® brand agricultural herbicides. Roundup® brand agricultural herbicides will kill crops that are not tolerant to glyphosate. Bollgard®, Bollgard II®, Genuity™, Genuity and Design™, Genuity Icons, Respect the Refuge and Cotton Design®, Roundup®, and Roundup Ready® are trademarks of Monsanto Technology LLC. Dedicated to Cotton. Committed to You.® and Deltapine® are registered trademarks of D&P Technology Holding Company, LLC.
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Planting Refuges, Preserving Technology

Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, **including applicable refuge requirements for insect resistance management**, for the biotechnology traits expressed in the seed as set forth in the Monsanto Technology Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



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