

## **Best Management Practices for Auxin-Tolerant Cotton Technologies**

Friday, January 27, 2017 From Texas Row Crops Newsletter by Josh McGinty, Gaylon Morgan, Peter Dotray

In recent news, new auxin herbicides have received Section 3 approval for use in XtendFlex (dicamba-tolerant) and Enlist (2,4-D tolerant) cotton. Currently, two dicamba herbicides (XtendiMax™ with VaporGrip™ Technology and Engenia™) and one 2,4-D containing herbicide (Enlist Duo™ with Colex-D™ Technology). At the time of this writing, XtendiMax with VaporGrip Technology and Engenia have received approval for use in Texas. It is anticipated that Enlist Duo with Colex-D Technology will receive state approval in the near future.

The ability to use these herbicides will certainly provide additional options for managing troublesome glyphosate-resistant Palmer amaranth and common waterhemp, but will also present some challenges with regard to off-target movement of these herbicides. As you may be aware, there was significant misuse of dicamba in portions of the Midsouth in 2016, resulting in widespread damage to non-tolerant soybeans. These problems were due in large part to improper (and illegal) applications of dicamba formulations not labelled for use in these crops. To avoid these issues in Texas, it will be critical to only use the approved herbicides (XtendiMax with VaporGrip Technology and Engenia for XtendFlex cotton, and Enlist Duo with Colex-D Technology for Enlist cotton), and to diligently follow the label application requirements. What follows in Table 1 are important application requirements for these herbicides. Please note that these are application requirements, not recommendations, and it is expected that applicators fully read and follow them as outlined on the product label.

### **Know Your Surroundings**

With the many different herbicide tolerant traits on the market in 2017 and labeled herbicides, the potential for off-target movement and self-inflicted damage is much increased. The Flag-the-Technology concept (publication and mobile app) has been developed to address this issue. The publication can be found at [http://publications.tamu.edu/WEEDS\\_HERBICIDES/FlagTheTechnology.pdf](http://publications.tamu.edu/WEEDS_HERBICIDES/FlagTheTechnology.pdf), while the mobile app can be downloaded from iTunes and Google Play. The Hit-the-Target crop registry will soon be available as well, which will help producers identify the proximity to susceptible and sensitive crops.

### **Sprayer Cleanout**

Due to extreme sensitivity of many crops to these herbicides, thorough sprayer system cleanout procedures will be necessary after the use of these auxin herbicides before moving to other crops. The labels of all three of these herbicides will outline an extensive sprayer cleanout protocol. Be sure to read and follow these cleanout procedures fully if the sprayer will be used for non-tolerant crops.

For more information on weed management in cotton, visit: <http://agrilife.tamu.edu/coastalbend/files/2016/06/ESC-008.pdf>.

(PCG EDITOR'S NOTE: Useful tables are available and can be found with this article online at <http://agrilife.org/texasrowcrops/2017/01/27/best-management-practices-for-auxin-tolerant-cotton-technologies-current-12017/>)

## **Upcoming Area Meetings and Ag Conferences**

**February 5-7** – Southwest Ag Issues Summit, Worthington Hotel, **Fort Worth**. Register and get more information at <http://www.agissuesummit.com>.

**February 7** – Hale/Swisher Crops Conference – Ollie Liner Center, **Plainview**. CEUs offered. More information: Jason Miller, Hale County Extension Agent-Ag, 806-291-5267.

**February 15** – High Plains Irrigation Conference, North Exhibit Hall, **Amarillo** Civic Center, 401 S. Buchanan St. Registration 8 a.m., program 8:30 a.m.-4:30 p.m. Cost \$30, lunch included. CEUs offered. More information: [http://taia.org/HPIC\\_2017.html](http://taia.org/HPIC_2017.html).

**February 21** – Cotton Conference, **Hereford**. More information: Rick Auckerman, County Extension Agent-Ag, (806) 364-3573.

**February 22** – Sandyland Crops Conference, **Seminole**. More information: Terry Millican, County Extension Agent-Ag, (432) 758-4006.

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## **CCI Identifies U.S. Cotton Opportunities in Colombia**

January 2017

From Cotton Council International

CCI staff met with brands, retailers and manufacturers using U.S. cotton in Bogota, Colombia. CCI also visited a shopping mall in Bogota to scout local and global brands' stores in Colombia and identify potential opportunities for COTTON USA.

The following day, CCI met with its new regional advertising agency to finalize its regional trade and consumer communications plans for 2017. CCI's strategic plans in Colombia are part of a comprehensive market development plan that enhances U.S. exports, increases U.S. farm income and expands U.S. jobs. All COTTON USA programs are the result of detailed market assessments, strategic program development and ongoing evaluations. CCI's trade and consumer communications plans in Colombia are funded in part by the U.S. Department of Agriculture's Market Access Program and Foreign Market Development funding.