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We want to hear from you

Our experienced staff is always available to visit your farm to discuss varieties and assist with seed selection.

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Out-best your best with PhytoGen



Hank King

Hank King
U.S. Leader –
PhytoGen® cottonseed

PhytoGen only advances varieties that have shown improved performance year after year, meaning producers can count on excellent performance from PhytoGen, harvest after harvest. Producers also can count on PhytoGen to bring them the latest technology, such as the Enlist™ weed control system for exceptional weed control and WideStrike® 3 *Insect Protection* for improved bollworm control.

In 2017, we’ve introduced more varieties with additional yield protection from native traits. This includes tolerance to verticillium wilt and resistance to bacterial blight and root-knot nematodes. We’re also introducing a full range of PhytoGen® brand varieties with the Enlist cotton trait. Only PhytoGen cottonseed with the Enlist trait offers tolerance to new 2,4-D choline, glyphosate and glufosinate to manage tough-to-control and resistant weeds.

Your local PhytoGen field support team is always available to help you out-best your best in 2017.

For more information about PhytoGen® cottonseed or any other Dow AgroSciences products, call 800-258-3033. Or email us at info@dow.com or visit our website at PhytoGen.com.

This edition of *FieldNotes* has been sent to you on behalf of your PhytoGen sales representative.



FieldNotes

A COTTON PUBLICATION FOR FARMERS IN MIDSOUTH

VOLUME 11, ISSUE 2

Midsouth states register Enlist Duo® herbicide for use on PhytoGen® cottonseed with the Enlist™ trait

Cotton growers in the Midsouth now have full access to the Enlist™ weed control system, giving them more flexibility and better weed control. The registration of Enlist Duo® herbicide for use on Enlist™ cotton in Midsouth states Alabama, Arkansas, Louisiana, Missouri, Mississippi and Tennessee follows federal registration received in January 2017.

PhytoGen® brand varieties with the Enlist cotton trait enable growers to use an additional mode of action postemergence. The Enlist weed control system is now fully enabled for cotton producers in the 2017 season, including postemergence applications of Enlist Duo herbicide – a combination of glyphosate and new 2,4-D choline – as well as glufosinate.

Tolerance to these three modes of action offers farmers more flexibility and better performance in their weed control programs. PhytoGen brand varieties with the Enlist trait combine the latest weed control technology

with industry-leading early season vigor, yield and fiber quality to benefit growers.

In addition to allowing the use of Enlist Duo on PhytoGen cottonseed with the Enlist trait, the EPA action expands the use of Enlist Duo on Enlist™ corn and Enlist soybeans for a total of 34 states. Once all necessary state registrations are received in the coming weeks, growers will have access to this groundbreaking technology on cotton, soybeans and corn that contain the Enlist trait.

New PhytoGen brand varieties with the Enlist cotton trait are now available. This technology is stacked with Genuity® Roundup Ready® Flex and the industry-leading, 3-gene WideStrike® 3 *Insect Protection*. These new varieties can be identified by the W3FE designation. The trait combination provides season-long control of above-ground insects with improved bollworm control. The new varieties also feature bacterial blight resistance. (See page 3 for more information.)



Cotton growers in 2017 will be able to take full advantage of the Enlist™ weed control system, including postemergence applications of Enlist Duo® herbicide to control their toughest weeds. State registrations for Enlist Duo are pending in some states.

PhytoGen® brand varieties dominate Midsouth trials

Official Variety Trial (OVT) results from across the Midsouth show PhytoGen® brand varieties PHY 444 WRF, PHY 333 WRF and PHY 312 WRF leading yield and quality performances.

PhytoGen had seven of the 10 best varieties in Mississippi and captured the top performers in Tennessee, Arkansas and Missouri OVTs. PhytoGen brand PHY 333 WRF topped Tennessee, while PHY 312 WRF led Missouri. In Arkansas, PhytoGen brand PHY 312 WRF and PHY 444 WRF took the top two spots respectively, with PHY 333 WRF also among the Top 10 performing varieties.

Chris Main, Ph.D., one of the cotton development specialists in the Midsouth, says it's history in the making for PhytoGen. He further explains that PhytoGen brand PHY 312 WRF will fit areas with good soil, irrigation and is the right choice for growers pushing for high yields.

"312 is a great fit in furrow-irrigated fields, pivot irrigated hills and creek bottoms. On the flip side, 333 does better on dryland, tougher or mixed soils," he says. "333 fits well on dryland hills and pivot or dryland fields of Arkansas."

Both PHY 333 WRF and PHY 312 WRF offer high-quality fiber in earlier-maturing varieties, while PHY 333 WRF exhibits unprecedented seedling vigor and broadly fits across the Midsouth. PHY 444 WRF is a midseason variety that fits well in the Cotton Belt's southern regions, including the South Delta. It also is a top yielder in both dryland and irrigated production.

"444 needs to be managed for early maturity," Main says, "I tell growers to plant 444 first when soil dries out in mid to late April. 444 is doing well in central Arkansas and west Tennessee. If you can plant early, it's a good option on dryland or high stress acres."

"When planted early, in dryland or limited water situations, PhytoGen Horizon Networks members made 2+ bale cotton and went into loan at \$0.55 or better with PHY 490 W3FE," he says.

Producers are encouraged to cross-reference these findings with the performance of the varieties they have planted and develop a variety plan with the help of a PhytoGen cotton development specialist.

PhytoGen releases eight new varieties with the Enlist™ cotton trait for 2017

More new PhytoGen® brand varieties with the Enlist™ cotton trait and WideStrike® 3 *Insect Protection* are now available to help growers thrive in 2017.

"We're excited to follow the success of PhytoGen brand PHY 490 W3FE with this broader introduction of W3FE varieties. With both the Enlist cotton trait and WideStrike 3, these new PhytoGen varieties will help growers better manage resistant weeds and tough-to-control pests," says Hank King, U.S. leader for PhytoGen.

In addition to thousands of breeder trials, PhytoGen brand varieties also are rigorously evaluated in numerous company and university trials across the Cotton Belt.

"Growers can be confident PhytoGen brand varieties that we are recommending have been bred to perform in their specific geography and agronomic conditions," King says.

These new varieties complement the current PhytoGen offering that includes very early to mid- and full-season Upland varieties, as well as industry-leading Acala varieties and Pima varieties.

Two of the new varieties are very early and early maturities, bred for the unique conditions of the Southwest. They join the three varieties introduced last year specifically for West Texas that provide verticillium wilt tolerance. For irrigation response ratings of all Southwestern varieties, consult your local PhytoGen rep. The new varieties for Southwestern growers are as follows:

- PHY 220 W3FE
- PHY 300 W3FE

The remainder of the new varieties, ranging from early to mid maturities, are bred to fit areas across the Cotton Belt from South Texas to the Mid-Atlantic. The following also contain native traits that provide resistance to bacterial blight:

- PHY 330 W3FE
- PHY 450 W3FE
- PHY 340 W3FE
- PHY 460 W3FE
- PHY 380 W3FE
- PHY 470 W3FE

A longtime leader in the Pima market, PhytoGen also introduces another Pima variety with the Genuity® Roundup Ready® Flex trait for California, PhytoGen® brand PHY 888 RF.



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