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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 SOUTHEAST

VOLUME 11, ISSUE 2

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

Cotton growers in the Southeast now have full access to the Enlist™ weed control system, giving them more flexibility and better weed control. The state registrations of Enlist Duo® herbicide for use on Enlist™ cotton, in every southeastern state but Florida, follow 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.

Consistent yield and quality is the key to success with cottonseed varieties

As variety decisions are made for 2017, there's one thing Southeastern growers are urged to consider: consistency. Per UGA On-Farm trial data, PhytoGen consistently outperformed the top competitors across Georgia. In fact, PhytoGen has consistently bested the competition year after year.

PhytoGen® brand variety PHY 444 WRF, for example, has yield, superb fiber length and micronaire often resulting in premiums. In 442 trials across the U.S., PhytoGen brand PHY 444 WRF averaged a staple 39.6, mic 3.99, strength 31.6 g/tex and uniformity of 84.1.

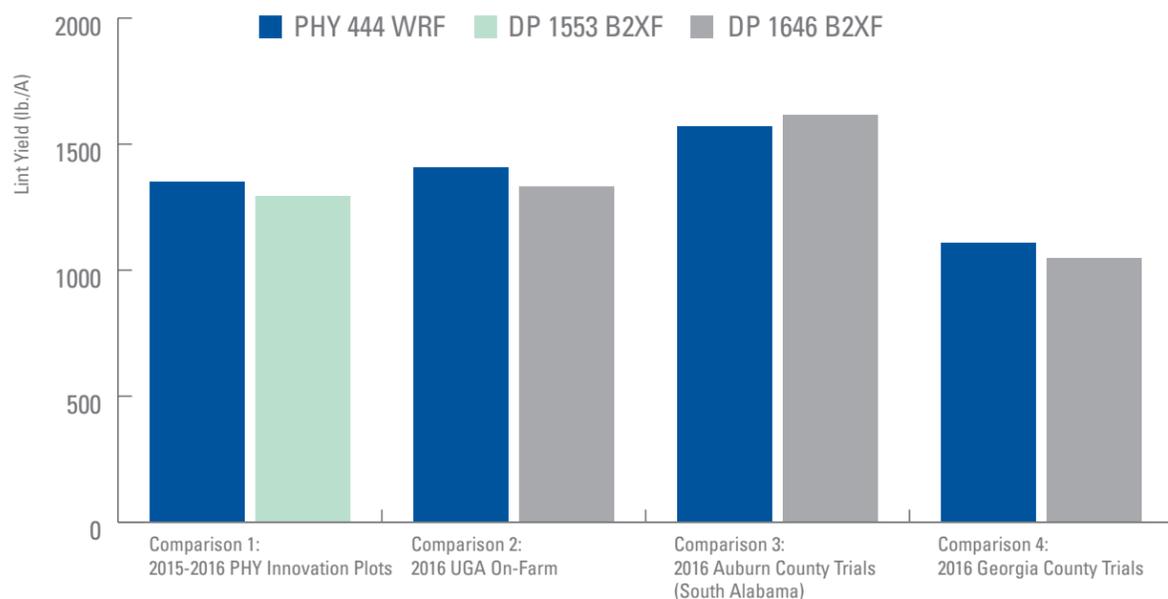
"See for yourself," says Russell Nuti, cotton development specialist in southeast Georgia and lower Alabama. "Go talk to a ginner to find out exactly how well 444 did in your area. We've heard numerous ginners reporting consistently long staple resulting in high loan value."

Nuti explains that the long staple and lower micronaire of PHY 444 WRF help avoid high-mic discounts and add consistent premiums for growers. He also notes that PHY 444 WRF can take advantage of limited resources to make cotton. At harvest, it's not the showiest variety, but it often pleasantly surprises growers with actual lint weights and gin recaps.

Nuti also reports excellent grades from the new PhytoGen brand variety PHY 490 W3FE, the first PhytoGen variety with the Enlist cotton trait on the market. He's seeing excellent grades with loan values in the mid 56-cent range, which is close to those of PHY 444 WRF.

"When we first came out, we said PhytoGen would have the highest quality – the best and longest staple of any other Upland variety. And we've consistently shown that to be the case," Nuti says.

PhytoGen® brand PHY 444 WRF consistently outperforms the competition



In 2016 UGA On-Farm Trials, PHY 444 WRF ranks No. 1, beating leading competitive varieties in quality and yield. Comparison 1 and 2 are Innovation Plots locations in Alabama, Florida and Georgia from 2015 (n = 13) and 2016 (n = 7). Comparison 3 is 2016 Auburn On-Farm Trials for south Alabama (n = 8). Comparison 4 is 2016 UGA On-Farm Trials in Georgia (n = 20).

Yield data from 37 trials across Georgia, Alabama and Louisiana

Variety	Lint (%)	Lint (lb./A)	Mic	Len (in)	Strength (g/tex)	Unif (%)	Loan Value (\$/lb.)
PHY 490 W3FE	44.9	1,471	4.7	1.14	36.5	85.3	.5508
PHY 499 WRF	43.8	1,461	5.0	1.13	34.5	85.0	.5369

Like PhytoGen® brand PHY 499 WRF, PHY 490 W3FE shows excellent seedling vigor and is a mid-maturing variety, but thrives under less aggressive N, PGRs and irrigation. The new PHY 490 W3FE is also fully tolerant to glufosinate, glyphosate and 2,4-D choline, making it a great fit in a cotton/peanut cropping system. All new W3FE varieties are bacterial-blight resistant and provide enhanced protection against worms with WideStrike® 3 Insect Protection.

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 340 W3FE
- PHY 380 W3FE
- PHY 450 W3FE
- PHY 460 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.



Join the Best Yielder Club today.

See why other growers have joined the Best Yielder Club. Every member receives:

- Opportunities to earn rewards throughout the year by sharing your experiences with PhytoGen
- Exclusive news and updates in our Best Yielder Club newsletter
- A chance to have your photos or quotes featured on our Facebook page or other promotions for PhytoGen
- Annual membership kit with a commemorative cap

Becoming a member is easy.

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