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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.

[CDS_IMG] [CDS_NAME]
Dow AgroSciences
Cotton Development
Specialist
[CDS_PHONE]
[CDS_EMAIL]

[REP_IMG] [REP_NAME]
Dow AgroSciences
Sales Representative
[REP_PHONE]
[REP_EMAIL]

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 EAST TEXAS

VOLUME 11, ISSUE 2

Texas registers Enlist Duo® herbicide for use on PhytoGen® cottonseed with the Enlist™ trait

Cotton growers in Texas now have full access to the Enlist™ weed control system, giving them more flexibility and better weed control. The state’s registration of Enlist Duo® herbicide for use on cotton with the Enlist trait follows federal registration received in January 2017. As of press time, some county registrations are still pending in Texas.

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.

From the Turnrow with Dr. Robert Lemon

What a roller coaster 2016 was. From the Rio Grande to the Red River, we saw planting-time monsoons while the Upper Gulf Coast and Central Texas had harvest-time monsoons. I suppose that's how we determine average weather!

It was a banner season for the Rio Grande Valley and the Lower Gulf Coast, but for the Upper Gulf Coast and many Central Texas growers, it's a year to quickly forget. Despite the problems, PhytoGen® cotton continued to perform.

Consistent performance

I've been preaching my entire career that when selecting varieties, consistency is the most important aspect to evaluate. When I joined PhytoGen in 2011, we didn't have the broad portfolio of varieties we have today. Our present lineup of early and mid-maturity products provide optimal solutions for your differing farm environments, while delivering the high level of consistency you need across those environments.

Texas A&M Agrilife Extension Service

Corpus Christi Monster Trial Combined Analysis Over Years - 2015 and 2016, Lower Gulf Coast

Variety	Lint Yield (lb./A)	Loan Value (¢/lb.)	Lint Value (\$/A)	Turnout (%)	Mic	Length (inches)	Staple (32nds)	Strength (g/tex)	Unif (%)
PHY 312 WRF	1424	0.5426	773	0.4051	3.94	1.18	38	33.48	84.89
DP 1646 B2XF	1273	0.5493	700	0.4198	4.14	1.2	38	32.23	83.94
PHY 333 WRF	1267	0.5420	688	0.3995	3.77	1.18	38	31.90	84.71
PHY 444 WRF	1224	0.5223	640	0.4060	3.28	1.25	40	34.15	84.91
PHY 495 W3RF	1203	0.5347	643	0.4108	4.08	1.08	35	33.40	84.14
NG 3406 B2XF	1186	0.5464	648	0.3940	4.21	1.13	36	31.45	84.38
PHY 499 WRF	1184	0.5456	647	0.4043	4.41	1.12	36	34.80	85.01

Lower Gulf Coast RACE Trials Combined - 2016

Variety	Lint Yield (lb./A)	Loan Value (¢/lb.)	Lint Value (\$/A)	Turnout (%)	Mic	Length (inches)	Staple (32nds)	Strength (g/tex)	Unif (%)
PHY 312 WRF	1296	0.5509	714	0.4096	4.01	1.17	37	32.32	85.23
PHY 333 WRF	1284	0.5485	704	0.4082	3.99	1.18	38	31.01	84.26
DP 1646 B2XF	1240	0.5488	681	0.4176	4.26	1.20	38	31.31	84.22
PHY 444 WRF	1216	0.5393	658	0.4203	3.56	1.22	39	32.29	85.42
NG 5007 B2XF	1210	0.5415	656	0.4131	4.23	1.13	36	28.40	83.25

PhytoGen® brand PHY 312 WRF shows \$73/A more than the closest competitor in a two-year average of Corpus Christi Monster Trial. Three PhytoGen varieties, PHY 444 WRF, PHY 333 WRF and PHY 312 WRF, show higher value in the 2016 Lower Gulf Coast RACE Trials Combined. Workhorse PhytoGen® brand PHY 333 WRF continues to be at the top.

A consultant buddy of mine told me PhytoGen brand varieties do exceptionally well on the best ground. And on the tough farms they still perform, so the overall farm average is taken to a much higher level. We had numerous growers in 2016 attain their highest historical farmstead average yield. Not to beat a dead horse, but that's how you measure consistency.

Flat out better

PhytoGen brand PHY 333 WRF has been our workhorse variety for the past three years, and it continues to be at the top, as evidenced by Extension and on-farm trials. The past two seasons have been – let's just say odd. But one thing we know for certain, PHY 333 WRF handles stress and still makes high yields and premium fiber. We can't say that about most other varieties, at least not with the same level of confidence. As you develop your variety plan, remember to maintain PHY 333 WRF as the base, while incorporating PHY 312 WRF and PHY 444 WRF for the balance of the farm.

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 and full 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.



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.

Just visit MyBestYielder.com, complete the form and tell us why you choose PhytoGen.

