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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](mailto:info@dow.com) or visit our website at [PhytoGen.com](http://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 WEST 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.

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.

## Selecting the right PhytoGen® cottonseed for your West Texas acres

Growers on the High Plains are encouraged to evaluate on-farm trials for 2017 variety selection. PhytoGen Innovation Plot results have been compiled to show yield and quality performances of PhytoGen® brand varieties from Lubbock northward and south of Lubbock.

“PhytoGen 333 has outstanding seedling vigor, is an extremely stable yielder and has good quality across the board,” says Ken Lege, one of three PhytoGen cotton development specialists in West Texas. “We have some really high-yielding varieties that are bred specifically for West Texas cotton farmers.”

PhytoGen Cotton Development Specialist Ben Benton explains that both PhytoGen brand PHY 333 WRF and PHY 243 WRF have yield stability and do well north of Lubbock, as does PHY 222 WRF.

“PhytoGen 243 is a go-everywhere variety. I say ‘vert tolerant’ to describe this variety. PHY 243 WRF is among the most verticillium-tolerant variety on the market, and it is bacterial-blight resistant to boot. It will go up against any competitor north of Lubbock,” Benton says.

A stronger contender for late-planted or replanted acres is PhytoGen® brand PHY 222 WRF. It is the earliest

variety available on the market and has moderate and stable micronaire.

On dryland or moderate water acreage, Lege recommends PhytoGen brand PHY 223 WRF. “North of Lubbock, PhytoGen 223 WRF has extremely good fiber quality similar to what growers have come to expect from PHY 444 WRF,” Lege says. “PHY 444 WRF is a better fit south of Lubbock.”

### Performs throughout Edwards Plateau

Preliminary reports of PhytoGen brand PHY 444 WRF show grades are outstanding with as much as 5-cent premiums. Cotton growers can expect to earn sizeable quality premiums due to the Acala-like fiber quality of both PHY 444 WRF and PHY 312 WRF.

Similar to workhorse PhytoGen® brand PHY 499 WRF, the new PHY 490 W3FE, the first variety with the Enlist™ cotton trait, also has excellent yields. Loan values also have been in the 56-cent range, which is close to those of PHY 444 WRF. Both PHY 444 WRF and PHY 490 W3FE provide growers optimum fit on the farm, as well as providing bacterial-blight resistance.

### 2016 Lint Yields and Fiber Properties from PhytoGen Innovation Trial, Swisher County, Texas

Variety	Lint Yield (lb./A)	Turnout (%)	Staple (1/32 in.)	Mic	Strength (g/tex)	Unif (%)	Loan Value (\$/lb.)	Crop Value* (\$/A)
PHY 243 WRF	2066	32.6	38.2	3.8	28.8	81.3	0.5592	\$1,155
PHY 223 WRF	2039	30.4	39.4	3.9	30.1	83.7	0.5693	\$1,161
PHY 312 WRF	2028	31.6	37.5	3.9	29.3	83.3	0.5677	\$1,151
PHY 490 W3FE	1946	29.0	37.4	4.0	29.4	81.9	0.5650	\$1,099
PHY 220 W3FE	1936	32.8	36.1	4.6	27.7	83.5	0.5662	\$1,096
COMPETITOR	1924	33.0	41.1	3.8	31.7	83.0	0.5722	\$1,101
PHY 333 WRF	1906	31.7	37.4	3.9	29.8	83.0	0.5702	\$1,087
PHY 308 WRF	1846	30.4	37.8	4.1	31.1	82.8	0.5458	\$1,008

\*Crop value = loan value x lint yield.

### 2016 Lint Yields and Fiber Properties from PhytoGen Innovation Trial, Dawson County, Texas

Variety	Lint Yield (lb./A)	Turnout (%)	Staple (1/32 in.)	Mic	Strength (g/tex)	Unif (%)	Loan Value (\$/lb.)	Crop Value (\$/A)
PHY 300 W3FE	1499	34.2	37.9	3.9	30.1	82.4	0.5692	\$853
PHY 333 WRF	1497	35.4	36.8	3.7	28.7	82.3	0.5567	\$835
PHY 417 WRF	1402	34.1	36.8	3.9	28.8	82.0	0.5680	\$796
PHY 308 WRF	1390	32.7	37.9	4.1	30.3	82.5	0.5712	\$794
PHY 490 W3FE	1365	33.7	37.7	4.1	30.5	82.3	0.5710	\$780
PHY 312 WRF	1310	32.3	36.7	4.1	29.7	82.1	0.5700	\$747
PHY 444 WRF	1248	34.4	37.7	4.0	31.0	82.3	0.5712	\$713
COMPETITOR	1076	36.2	37.7	3.7	30.2	81.5	0.5580	\$602

## 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 High Plains. 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. 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:

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- Exclusive news and updates in our Best Yielder Club newsletter
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- Annual membership kit with a commemorative cap

#### Becoming a member is easy.

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