

Crosby Ag Minute

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Cotton Pre-Plant Considerations

Soil & Environmental Conditions

Cotton planting should not begin until soil temperatures reach **65 degrees** and the 5-7 day forecast is favorable. Highest quality seed should be planted first, this will insure germination in the event that temperatures are slightly cooler. Lower quality seed should still germinate fine, as long as it is planted later when conditions are warmer. Delayed germination can severely affect yield. Crusting on the soil can damage the hypocotyls as they try to break through, a rotary hoe can break up the crust and aid seedling emergence. Seedling damage from harsh weather will result in less root penetration and “crow footing” may be observed. This will result in plants that cannot obtain enough moisture and nutrients which will lead to lower yields.

Variety Selection

Variety selection is one of the most important decisions producers are faced with each year. Different varieties are stacked with insect and chemical resistance, tolerance to diseases and drought, etc. And this year, the laws and regulations associated with the Dicamba/2,4-D varieties will present just one more thing to think about when it comes time to buy seed. Producers should do their “homework” by looking at the previous years’ results of legitimate research variety trials. Trials conducted by the Texas A&M AgriLife Extension Service are unbiased and conducted in a manner where the results are valid and reliable. We work very closely with industry experts and seed company representatives to be sure that all companies and varieties are presented in the correct and proper manner that can be trusted across the board.

Crosby County Variety Trial Results

Crosby Dryland RACE Trial 2017

Planted – 5/23/2017
 Seeding Rate – 21,000 seed per acre (two and one skip row)
 Seasonal Precipitation – 19.93”
 Harvested – 11/30/2017
 Average Lint Yield – 673 lbs/acre (897 lbs/cotton acre)

Table 10. Crosby County Dryland RACE Trial Results.

Variety	Seedcotton (lbs/acre)	Turnout	Lint Yield (lbs/acre)
DP 1646 B2XF	1987 ab	39.31% ab	780 a
FM 2011 GT*	2099 a	35.52% f	747 ab
NG 4545 B2XF	1916 a-c	37.03% de	710 a-c
NG 3406 B2XF	1914 a-c	36.58% ef	700 a-c
DP 1549 B2XF	1875 a-d	37.30% c-e	700 a-c
FM 1830 GLT	1836 b-e	37.89% cd	696 a-c
CG 9598 B3XF	1730 c-f	39.52% a	684 bc
FM 1911 GLT	1875 a-d	35.36% f	663 b-d
FM 2322 GL	1713 c-f	38.21% b-d	655 b-d
FM 1888 GL	1756 b-e	36.14% ef	634 cd
NG 5007 B2XF	1615 ef	38.40% a-c	620 cd
DP 1522 B2XF	1644 d-f	35.46% f	583 d
NG 4601 B2XF	1504 f	37.95% cd	572 d
pLSD	237	1.27%	94
p-value	0.0016	<0.0001	0.0042
CV	11.1362	4.0546	11.2950

*Grower entry – FiberMax 2011 GT

Crosby County Variety Trial Results

Crosby Irrigated RACE Trial 2017

Planted – 6/1/2017

Seeding Rate – 28,000 seed per acre

Irrigation – Drip irrigated; no irrigation applied due to severe stand loss caused by *Rhizoctonia solani*

Seasonal Precipitation – 19.123”

Harvested – 12/4/2017

Average Lint Yield – 200 lbs/acre

"Agriculture is our
wisest pursuit,
because it will in
the end contribute
most to real
wealth, good
morals, and
happiness."

-Thomas Jefferson

Table 11. Crosby County Irrigated RACE Trial Results.

Variety	Seedcotton (lbs/acre)	Turnout	Lint Yield (lbs/acre)
NG 4689 B2XF	873 a	35.32% cd	307 a
NG 3640 XF	798 ab	34.91% d	278 ab
FM 1888 GL	629 bc	35.04% cd	221 bc
CG 9598 B3XF	581 cd	37.36% ab	216 bc
FM 1911 GLT	519 cd	36.69% a-c	190 c
FM 2322 GL	494 cd	38.28% a	189 c
DP 1646 B2XF	472 cd	38.03% a	180 c
FM 1830 GLT	482 cd	36.71% a-c	178 c
DP 1549 B2XF	483 cd	35.90% b-d	174 c
NG 3699 B2XF	462 cd	35.73% b-d	165 c
NG 3406 B2XF	435 d	35.76% b-d	155 c
DP 1522 B2XF	422 d	35.43% cd	149 c
<i>pLSD</i>	192	1.75%	73
<i>p-value</i>	0.0008	0.0045	0.0036
<i>CV</i>	32.2001	4.0971	30.7136

It is very important to select varieties specific for each field, planting one single variety across all farms could result in large yield losses due to factors beyond a producer's control. With the new Auxin Type Herbicide regulations it is the producers responsibility to know which crops are susceptible so that drift does not occur. ALL producers and employees who apply these herbicides MUST receive training. The certificate is good for two years. Be sure to check product specific websites for the most up-to-date labels. Xtendimaxapplicationrequirements.com, fexapanapplicationrequirements.dupont.com, ag-products.basf.us/campaigns/engenia/#stewardship

Auxin Specific Applicator Training

February 22nd

Crosbyton Library

9:00-10:00a.m. No charge

Everyone welcome, employees will need supervisors applicator number. This training is different from the WPS Training. If you need WPS training, contact our office!

Wishing you a Successful 2018 Crop!