

WEST PLAINS IPM UPDATE

News about
Integrated Pest
Management in
Hockley,
Cochran, and
Lamb Counties
from
Kerry Siders

Feb. 20, 2018

Vol. 23 – No. 3

Cotton Variety Trials Conducted by Texas A&M AgriLife Extension in Hockley County

The next 4 pages contain cotton variety trial results from projects planted and harvested by Texas A&M AgriLife Extension in Hockley County.

The first trial contains NexGen cotton varieties planted at the Sammy Harris Farm near Ropesville under center-pivot irrigation.

The second project contains Deltapine cotton varieties planted at the Curtis and Zane Thrash Farm west of Ropesville on sub-surface drip irrigation.

The third trial contains FiberMax and Stoneville cotton varieties planted at the Monti Rodgers, Jr. Farm north of Whitharral on sub-surface drip irrigation.



The last trial shown is the Extension RACE cotton variety project conducted by Dr. Seth Byrd, Extension Cotton Agronomist, Lubbock, Wes Utley, CEA-Ag Hockley Co., and Kendra Bilbrey, CEA-Ag Cochran Co. at the Brent and Daniel Patterson Farm south of Pettit on sub-surface drip irrigation.

2017 NexGen Trial Yield Report



Cooperator: Sammy Harris	Planted: 5/17/2017	Tillage: Conventional
City: Ropesville	Harvested: 11/19/2017	Soil Texture: Sandy Loam
County: Hockley	Row Width: 40 inch spacing	Irrigation: Pivot

Product Data			Crop Values \$/Crop Yield				* Fiber Characteristics			
Entry	Brand	Product Name	Crop Value (\$/Acre)	Lint Yield (Lbs/Acre)	Loan Price (per Lb)	Staple (32nds)	Length (inches)	Strength (g/tex)	Micronaire	% Uniformity % Lint
1	NexGen	NG 3406 B2XF	\$842.58	1578	53.39	35.5	1.11	27.5	3.7	82.0 41.5
2	NexGen	NG 4689 B2XF	\$767.28	1430	53.64	35.5	1.11	30.6	4.2	80.5 40.7
3	NexGen	NG 4545 B2XF w/Indigo	\$749.71	1428	52.49	34.6	1.08	30.7	4.0	82.1 39.9
4	NexGen	NG 5711 B3XF **	\$721.27	1331	54.19	37.1	1.16	31.0	3.9	82.2 41.2
5	NexGen	NG 3517 B2XF	\$721.03	1399	51.54	36.5	1.14	30.7	3.5	81.8 40.0
6	NexGen	NG 4545 B2XF	\$720.11	1451	49.64	34.2	1.07	26.8	3.9	79.9 40.4
7	NexGen	NG 4601 B2XF	\$696.73	1336	52.14	34.6	1.08	26.2	4.0	80.8 44.2
8	NexGen	NG 3699 B2XF	\$648.94	1298	49.99	37.1	1.16	29.6	3.2	80.4 39.2
9	NexGen	NG 5007 B2XF w/Indigo	\$550.70	1171	47.04	33.3	1.04	25.5	3.8	80.1 41.3
10	NexGen	NG 5007 B2XF	\$487.71	1012	48.19	33.6	1.05	25.2	3.7	79.5 41.3
TEST AVERAGE			\$690.61	1343	51.23	35.2	1.10	28.4	3.8	80.9 41.0

* Value Calculation based on \$0.4949/Lb(+/-) discounts/premiums from the 2017 USDA Loan Chart (Ranked by Value \$/A). Due to ginning with tablet op gin, all varieties were assigned a base color (31) and leaf grade (3).

** New variety for 2018. Tested as AMX 1711 B3XF.

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible.

2017 Cotton Individual Plot Yield Report

Cooperator:
C. Thrash/K. Siders
Hockley Co.

Planted: 5/15/2017
Harvested: 11/28/2017
Row Width: 40 inch spacing

Tillage:
Soil Texture:
Irrigation:



Product Data			Crop Values \$/Crop Yield			Fiber Characteristics			
Entry	Brand	Product Name	Crop Value (\$/Acre)	Lint Yield (lbs/Acre)	Loan Price	Staple (32nds)	Length (Inches)	Strength (g/tex)	Micronaire % Uniformity % Unit
1	Monsanto	DP 1522 B2XF	\$625.22	1454	43.00	35	1.08	26.6	2.5 79 27.5
2	Monsanto	DP 1820 B3XF	\$1,004.46	1906	52.70	40	1.24	32.3	3.3 82 33.4
3	Monsanto	17R806B3XF	\$834.56	1770	47.15	36	1.14	29.4	2.8 79 29.4
4	Monsanto	DP 1822 XF	\$749.21	1540	48.65	40	1.26	32.4	2.8 82 30.8
5	Monsanto	17R814B3XF	\$1,074.19	2125	50.55	37	1.15	29.1	3.2 82 32.4
6	Monsanto	DP 1845 B3XF	\$1,016.14	2137	47.55	37	1.17	30.3	2.7 79 33.7
7	Monsanto	16R346B3XF	\$784.56	1730	45.35	38	1.20	30.5	2.6 82 29.9
8	Monsanto	17R808B3XF	\$767.09	1580	48.55	37	1.16	31.6	3.0 82 31.5
9	Monsanto	17R815B3XF	\$633.95	1282	49.45	36	1.11	28.6	3.0 80 30.2
10	Monsanto	17R820B3XF	\$625.65	1334	46.90	35	1.10	27.8	2.7 80 33.1
11	Monsanto	17R933N R83XF	\$857.16	1771	48.40	38	1.18	30.5	2.8 81 31.2
12	Monsanto	17R931N R83XF	\$836.00	1864	44.85	36	1.13	29.7	2.7 82 31.2
13	Monsanto	DP 1612 B2XF	\$925.87	1909	48.50	37	1.17	32.8	3.0 82 32.4
TEST AVERAGE									

Value Calculation based on \$0.52/lb(+/) discounts/premiums from the 2016 USDA Loan Chart (Ranked by Value \$/A). All plots were assigned a base color (41) and leaf grade (4).

*Fiber Characteristics including Lint Percent for each variety based on averages obtained from similar trials in W. TX.

Entries listed as "Monsanto" brand are experimental varieties, and not for sale.

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and year whenever possible.

2017 APT

Rodgers, Hockley County, TX - SDI

Grower -Monti Rodgers
Sales Rep - Keith Waters
Regional Agronomist - Craig Bednarz - 806-224-6714



Variety	Yield	GTO	MIC	UHM	STR	UR	Loan	Value/A
ST 4946GLB2	1318	0.288	3.49	1.07	28.4	78.6	47.6	627.76
FM 2498GLT	1240	0.301	3.33	1.16	29.7	80.4	52.0	645.22
FM 2574GLT	1202	0.302	3.14	1.14	28.2	79.0	49.1	590.01
ST 4747GLB2	1202	0.279	3.24	1.10	26.4	78.2	47.8	574.85
FM 1911GLT	1184	0.279	3.74	1.11	28.1	80.5	53.6	634.29
FM 2334GLT	1161	0.291	3.23	1.18	29.2	81.0	50.5	586.79
FM 2322GL	1135	0.318	3.55	1.14	30.0	78.4	52.9	600.99
FM 1888GL	1089	0.296	3.46	1.13	29.5	79.0	50.8	553.63
FM 1830GLT	1065	0.288	3.36	1.18	29.4	78.4	51.3	546.95
BX 1833GLT	963	0.282	3.12	1.11	30.5	79.9	49.4	475.84



Hockley Irrigated RACE Trial 2017

Planted – 5/16/2017

Seeding Rate – 50,000 seed per acre

Irrigation – Drip

Seasonal Precipitation – 19.59"

Harvested – 11/27/2017

Average Lint Yield – 1,658 lbs./acre

Table 16. Hockley County Irrigated RACE Trial Results.

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Length (in.)	Uniformity (%)	Strength (g./tex)	Leaf Grade	Loan Value (cents/lb.)	Return (\$/acre) ¹
CG 9598 B3XF	1975	34.95	3.50 a	1.19 bc	79.8 ab	30.7 bc	1.3	57.22 a	1044.16 a
FM 1888 GL	1802	31.85	3.37 ab	1.20 b	80.3 a	31.3 ab	3.3	53.18 b-d	875.35 ab
FM 1830 GLT	1683	33.80	3.27 a-c	1.24 a	79.6 a-c	31.3 ab	2.0	54.52 ab	837.21 bc
DP 1646 B2XF	1667	31.86	3.07 cd	1.23 a	79.1 bc	30.4 bc	2.0	53.40 bc	801.58 bc
FM 2322 GL	1666	33.05	3.27 a-c	1.19 bc	78.5 c	30.3 bc	3.0	50.45 c-f	776.63 bc
NG 3406 B2XF	1625	31.91	2.93 d	1.13 f	78.9 bc	28.8 d	2.7	49.47 d-f	730.93 bc
NG 4689 B2XF	1618	31.70	3.50 a	1.15 de	80.7 a	31.9 a	2.0	54.55 ab	802.67 bc
DP 1549 B2XF	1607	31.84	2.63 e	1.13 ef	77.3 d	30.3 bc	2.0	47.45 f	685.05 c
DP 1522 B2XF	1581	32.25	3.27 a-c	1.14 ef	79.8 ab	30.5 bc	2.0	52.37 b-d	742.64 bc
NG 3640 XF	1569	30.73	3.17 b-d	1.13 ef	79.9 ab	31.2 ab	2.7	48.55 ef	696.40 c
NG 3699 B2XF	1550	30.84	3.13 b-d	1.17 cd	78.8 bc	29.6 cd	2.3	52.18 b-e	729.43 bc
FM 1911 GLT	1548	31.50	3.00 cd	1.19 bc	78.9 bc	30.1 b-d	3.5	49.59 c-f	672.88 c
Mean	1658	32.19	3.18	1.17	79.3	30.5	2.4	51.91	782.91
pLSD	NS ²	NS	0.26	0.02	1.1	1.3	NS	3.88	182.50
P>F	0.1111	0.2387	<0.0001	<0.0001	0.0004	0.0043	0.1057	0.0010	0.0216
CV	10.8068	5.8230	8.4861	3.4452	1.3215	3.3514	36.9968	6.5069	16.9534

¹Return value = (lint yield X loan value) – seed cost

²Not significant

AgriLife Extension Offers TDA-Mandated Trainings for Dicamba-Tolerant Cotton Use

The Texas Department of Agriculture will require special training in 2018 for new auxin herbicides applied under a Section 3 approval on dicamba-tolerant and 2,4-D-tolerant cotton. To meet this requirement, the Texas A&M AgriLife Extension Service in Hockley, Cochran and Lamb counties will host a series of trainings:

Feb 21 Levelland Extension Office 9a
Feb 21 Littlefield Show Barn 1p
Feb 26 Morton County Extension Office 10a
Feb 26 CPS Fieldton noon
March 7 Ag Products Levelland noon
March 21 Littlefield Show Barn 9a
March 21 Levelland County Extension Office 1p
March 22 Morton County Extension Office 10a

The programs will each be one hour in length (see times above). There will be no registration fee. Each class will provide one TDA continuing education unit on laws and regulations.

Private Pesticide Applicators Training 2018 Cochran, Hockley and Lamb Counties

The Texas A&M AgriLife Extension Service will offer the required private Pesticide Applicators Training (PAT) in Morton, Levelland and Littlefield throughout 2018. This training is required by Texas Department of Agriculture before taking the exam for obtaining the license. A private pesticide applicator is a person who uses or supervises the use of a restricted-use or state limited-use pesticide or a regulated herbicide for the purpose of producing an agricultural commodity. This license is not for those receiving monetary compensation for a pesticide application.

To participate in a training individuals must call 806-894-3159 by 3pm the day prior (Wednesday) to the trainings in Levelland; or 806-266-5215 by 3pm the day prior to any trainings in Morton. The trainings will begin promptly at 1pm at the Extension Offices (see addresses below). There is a \$60 fee for training materials. This is only the required training. Testing will be conducted at a separate time and location. Future PAT Trainings:

- **Feb 22 Levelland Extension Office 1212 Houston Street**
- March 22 Levelland Extension Office 1212 Houston Street
- April 24 Morton Extension Office 200 W. Taylor Avenue
- May 10 Levelland Extension Office 1212 Houston Street
- June 21 Levelland Extension Office 1212 Houston Street 5
- July 24 Morton Extension Office 200 W. Taylor Avenue
- August 16 Levelland Extension Office 1212 Houston Street
- Sept 13 Levelland Extension Office 1212 Houston Street
- October 23 Morton Extension Office 200 W. Taylor Avenue
- Nov 29 Levelland Extension Office 1212 Houston Street



Texas A&M AgriLife Extension seeks to provide reasonable accommodations for all persons with disabilities for any educational meetings. Please contact us to advise us of the auxiliary aid or service that you will require a week in advance of training.

See You On The Radio



Wednesdays from 7:30 am to 7:45 am.



West Plains IPM Update is a publication of the Texas A&M AgriLife Extension Service IPM Program in Hockley, Cochran, and Lamb Counties.

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