

WEST PLAINS IPM UPDATE

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

Feb 14, 2017

Vol. 22 – No. 2

Special Cotton Varieties - Issue

It is that time of year when producers are making those cotton variety selection decisions. The next few pages will hopefully help in that process. These cotton variety trials are Extension trial which Seth Byrd, Wes Utley, Kendra Bilbrey, Graham Henley and myself conducted; and industry trials which I conducted in Hockley, Cochran, Lamb or Bailey Counties.

The link below is the full report on the Replicated Agronomic Cotton Evaluation (RACE) Southern High Plains, 2016. This is an Extension trial. Closer to home go to page 21 and see Table 15. Hockley County Irrigated RACE Trial Results from the Seth Howard farm near Whiteface.



<http://lubbock.tamu.edu/files/2017/02/Southern-High-Plains-RACE-Trials-Report-2016.pdf>

If you have any questions give me a call and we can visit. I would also like to thank our cooperators: Seth Howard, David & Anthony Albus, Larry Beseda & Dan Casares, Kris Humphries, Chris Kindle, Gene & James Polasek, Monty Rodgers Jr., Sherri Clements, Pug Lyon, and Preston Turner.

2016 APT

Albus, Hockley County, TX - Dryland

Grower –David Albus
Sales Rep – Keith Waters
Regional Agronomist - Craig Bednarz – 806-224-6714



Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
ST 4949GLT	947	0.314	1.17	3.55	83.1	29.9	56.8	538.05
FM 2007GLT	943	0.302	1.23	4.02	83.6	29.0	57.1	538.60
FM 2322GL	904	0.356	1.25	4.24	83.0	31.5	57.4	518.92
FM 2334GLT	896	0.344	1.20	4.13	82.2	29.7	57.0	510.66
ST 4747GLB2	865	0.302	1.18	4.54	81.3	28.6	54.8	473.95
FM 1900GLT	853	0.317	1.19	4.47	81.3	28.3	56.7	483.93
FM 1953GLTP	837	0.304	1.20	4.04	82.3	28.4	56.9	476.14
FM 1911GLT	756	0.316	1.20	3.97	83.2	30.0	57.3	432.96
FM 1830GLT	754	0.350	1.21	4.33	81.4	30.8	57.0	429.89
ST 4946GLB2	746	0.332	1.16	3.70	81.8	31.9	57.2	426.81
ST 4848GLT	744	0.304	1.16	4.26	83.5	29.2	57.0	423.98
FM 9250GL	700	0.309	1.17	4.44	81.7	28.5	56.6	396.32



2016 APT

Rodgers, Hockley County, TX - SDI

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



Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
FM 1900GLT	1497	0.314	1.17	2.91	79.2	30.3	48.4	724.48
FM 9250GL	1472	0.302	1.13	3.27	78.4	29.3	51.6	759.63
FM 1911GLT	1394	0.293	1.18	2.93	79.4	31.2	50.5	702.37
ST 4747GLB2	1319	0.283	1.10	3.03	77.4	25.5	45.2	606.57
FM 2334GLT	1305	0.307	1.20	3.32	80.8	29.3	55.0	717.70
FM 2322GL	1304	0.324	1.16	3.39	81.1	30.5	55.1	718.48
FM 2007GLT	1283	0.278	1.23	3.18	80.3	29.1	50.9	653.23
ST 4946GLB2	1240	0.281	1.09	2.57	79.2	27.8	45.5	564.09
FM 1830GLT	1161	0.267	1.21	3.24	80.1	29.1	53.3	618.68



The table below shows results for FM 1830GLT with Velum Total (V) and FM 1830GLT without Velum at the same location as variety trial above.

Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
FM 1830GLT-V	1337	0.306	1.23	3.00	80.7	29.6	53.3	712.56
FM 1830GLT	1161	0.267	1.21	3.24	80.1	29.1	53.3	618.68

2016 APT

Polasek, Hockley County, TX - SDI

Grower – Gene Polasek
Sales Rep – Keith Waters
Regional Agronomist - Craig Bednarz – 806-224-6714



Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
ST 4946GLB2	1195	0.351	1.15	4.70	83.3	29.8	54.4	649.90
FM 1900GLT	1145	0.352	1.21	4.44	83.1	30.7	55.2	632.09
ST 4747GLB2	1097	0.347	1.20	4.63	82.0	29.2	54.4	596.60
FM 2334GLT	1077	0.386	1.21	4.84	83.5	30.8	57.1	614.94
FM 1911GLT	1036	0.334	1.15	4.62	82.3	31.3	55.2	572.02
FM 9250GL	1028	0.329	1.21	4.39	82.6	30.0	56.6	582.06
FM 1830GLT	1011	0.352	1.23	4.52	83.4	31.1	55.4	559.88
FM 2322GL	1004	0.363	1.20	4.58	84.0	33.1	55.0	552.23
FM 2007GLT	895	0.318	1.19	4.17	81.7	31.2	57.3	512.60



The table below shows results for ST 4747GLB2 with no seed treatment, B = base fungicide treatment, C = CoPeo, and A = Aeris at the same location as variety trial above.

Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
ST 4747GLB2-BCA	1168	0.333	1.17	4.93	81.6	28.7	49.5	578.21
ST 4747GLB2-B	1167	0.318	1.18	4.67	82.0	29.2	54.4	634.86
ST 4747GLB2	1097	0.347	1.20	4.63	82.0	29.2	54.4	596.60
ST 4747GLB2-BC	1072	0.332	1.14	4.95	80.4	28.3	50.8	544.75

2016 APT

Beseda, Cochran County, TX - SDI

Grower –Larry Beseda
Sales Rep – Keith Waters
Regional Agronomist - Craig Bednarz – 806-224-6714



Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
FM 2322GL	1853	0.359	1.18	4.23	82.8	30.9	55.3	1024.64
FM 9250GL	1791	0.322	1.18	4.42	83.4	31.1	51.3	918.74
ST 4747GLB2	1766	0.295	1.20	4.07	81.6	28.8	55.0	971.24
FM 1911GLT	1693	0.307	1.16	4.53	83.8	30.0	55.1	932.85
FM 1830GLT	1680	0.306	1.22	4.21	83.5	29.6	55.2	927.52
FM 1900GLT	1673	0.291	1.22	4.28	83.7	32.9	55.5	928.72
FM 2007GLT	1650	0.298	1.14	4.85	81.3	30.9	55.0	907.73
FM 1888GL	1644	0.323	1.17	4.57	83.5	32.8	55.3	909.26
FM 2334GLT	1377	0.311	1.21	3.62	81.7	28.0	56.7	780.94
ST 4946GLB2	1367	0.271	1.18	3.50	83.1	34.7	55.4	757.18



The table below shows results for FM 1830GLT with no seed treatment, B = base fungicide treatment, C = CoPeo, and A = Aeris at the same location as variety trial above.

Variety	Yield	GTO	UHM	MIC	UR	STR	Loan	Value/A
FM 1830GLT-B	1855	0.335	1.25	3.61	83.1	30.3	55.2	1024.14
FM 1830GLT-BC	1827	0.323	1.25	4.16	82.6	31.6	55.4	1012.12
FM 1830GLT	1680	0.306	1.22	4.21	83.5	29.6	55.2	927.52
FM 1830GLT-BCA	1624	0.322	1.22	4.04	83.4	33.2	55.6	902.93

2016 APT

Kindle, Maple, TX

Sprinkler

Conducted by Kerry Siders, Independent Consultant

Grower – Chris Kindle
Sales Rep – Jeremy Hawkins (806) 773-7259
Regional Agronomist - Tim Culpepper (806) 789-6593
Planted: 5/17/2016 Harvested: 11/16/2016



Variety	Lint Yield	Turnout	Mic	Length	Stren	Unif	Storm Tol	Loan Value	Value /A
ST 4747GLB2	1366	0.332	3.17	1.20	30.2	80.4	9.0	51.60	\$705
FM 2322GL	1298	0.365	3.19	1.15	30.2	79.9	9.0	50.70	\$658
FM 1320GL	1279	0.336	3.98	1.13	29.1	81.5	9.0	54.80	\$701
ST 4946GLB2	1259	0.318	3.78	1.14	27.9	78.3	9.0	54.00	\$680
FM 1911GLT	1228	0.323	3.09	1.14	29.2	80.5	9.0	51.30	\$630
FM 1900GLT	1213	0.309	3.46	1.14	28.7	80.1	9.0	52.90	\$642
FM 9250GL	1057	0.308	3.10	1.19	29.3	80.5	9.0	53.30	\$563
FM 1830GLT	1054	0.328	2.93	1.18	29.9	79.8	9.0	48.30	\$509
FM 2334GLT	1047	0.300	3.19	1.13	29.3	79.0	8.0	50.40	\$527
FM 2007GLT	847	0.300	3.38	1.16	31.4	81.0	9.0	53.30	\$451



Bayer



2016 APT

Humphreys, Amherst, TX

Sprinkler

Conducted by Kerry Siders, Independent Consultant

Grower – Kris Humphreys
Sales Rep – Jeremy Hawkins (806) 773-7259
Regional Agronomist - Tim Culpepper (806) 789-6593
Planted: 5/27/2016 Harvested: 12/15/2016



Variety	Lint Yield	Turnout	Mic	Length	Stren	Unif	Storm Tol	Loan Value	Value /A
FM 2322GL	1946	0.342	3.66	1.20	31.6	83.2	7.0	54.90	\$1,069
FM 1911GLT	1723	0.322	3.63	1.20	30.0	82.8	9.0	57.00	\$982
ST 4747GLB2	1665	0.310	4.33	1.18	27.0	82.6	7.0	54.90	\$914
ST 4946GLB2	1623	0.290	2.77	1.15	31.1	81.5	8.0	48.80	\$792
FM 2007GLT	1618	0.289	3.20	1.22	29.7	81.2	9.0	52.80	\$854
FM 1830GLT	1586	0.334	3.38	1.26	31.6	83.5	6.0	53.60	\$850
FM 1900GLT	1521	0.312	3.81	1.19	31.7	79.7	7.0	54.60	\$830
FM 9250GL	1508	0.297	3.16	1.18	30.9	81.1	9.0	46.30	\$698
FM 1320GL	1454	0.312	3.58	1.17	29.9	82.2	7.0	54.80	\$797
FM 2334GLT	1449	0.322	3.21	1.25	29.8	81.8	6.0	53.30	\$772



Bayer





Innovation Trial

Grower Cooperator:	Sherri Clements	Planting Date:	5/25/2016
Trial Cooperator:	Kerry Siders, TAMU	Seed Treatments:	Trilex, Gaucho, Aeris
PhytoGen CDS:	Ken Lege	Moist. @ planting:	Good
Location:	Sundown, TX	GPS Lat:	33.524164
Replicates:	3	GPS Long:	102.487761
Plot Size:	8 rows X 1400'	Harvest Date:	12/6/2016
Row Spacing:	40"		
Beds:	Yes		
Previous crop(s):	Cotton		
Soil type:	Estacado loam/Amarillo fine sandy loam		
Irrigation:	Drip		

Variety	Lint Yield (lbs/A)		Turnout (%)	Length (in)	Micronaire	Strength (g/tex)	Uniformity (%)	Loan Value (\$/lb)**	Crop Value (\$/A)
PHY 490 W3FE	1260	b c	34.12	1.16	3.90	29.0	83.1	0.5265	663
PHY 220 W3FE	1303	b	34.73	1.16	4.40	28.8	82.6	0.5235	682
PHY 223 WRF	1278	b	32.45	1.21	4.00	29.4	83.1	0.5143	657
PHY 243 WRF	1144	c	33.13	1.19	3.70	27.9	81.7	0.4826	552
PHY 308 WRF	1304	b	34.18	1.16	3.70	30.9	82.9	0.508	662
PHY 312 WRF	1299	b	34.04	1.17	3.90	29.4	82.9	0.5116	665
PHY 333 WRF	1292	b	34.07	1.20	3.80	28.9	82.4	0.4916	635
ST 4946GLB2	1519	a	35.34	1.15	3.70	30.5	82.7	0.5125	778
<i>Average</i>	<i>1300</i>		<i>34.01</i>	<i>1.18</i>	<i>3.89</i>	<i>29.4</i>	<i>82.7</i>	<i>0.5088</i>	<i>662</i>

2016 Cotton Individual Plot Yield Report

Cooperator:

Pug Lyon

Morton, TX

Cockran County

Planted:

5/13/2016

Tillage: Conventional

Harvested:

12/23/2016

Soil Texture: Sandy Loam

Row Width:

40 inch spacing

Irrigation: Yes



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	Monsanto	16R225NRB2XF	\$885.62	1569	56.45	37.1	1.16	28.6	4.2	82.5	41.4
2	Stoneville	ST 4946GLB2	\$885.03	1573	56.25	36.2	1.13	29.7	4.6	82.4	38.5
3	Deltapine	DP 1522 B2XF	\$781.57	1389	56.25	36.5	1.14	27.4	4.9	81.6	41.8
4	Deltapine	DP 1612 B2XF	\$777.46	1380	56.35	37.4	1.17	29.6	4.9	82.8	39.9
5	Monsanto	16R140XF	\$745.62	1309	56.95	42.4	1.32	31.6	4.2	80.4	43.1
6	Monsanto	16R123XF	\$737.10	1297	56.85	40.2	1.26	33.4	4.7	81.9	40.0
7	Monsanto	16R128XF	\$672.04	1177	57.10	38.7	1.21	34.7	4.4	84.9	41.3
8	Monsanto	16R228NRB2XF	\$648.75	1175	55.20	37.1	1.16	28.7	4.3	81.8	41.6
9	FiberMax	FM 1900GLT	\$637.90	1174	54.35	38.1	1.19	32.3	5.0	83.1	38.5
10	Monsanto	16R122XF	\$635.57	1181	53.80	36.9	1.15	28.6	3.5	79.4	44.3
11	Monsanto	16R125XF	\$602.51	1055	57.10	37.9	1.18	37.4	4.5	84.2	36.3
12	Monsanto	16R231B2XF	\$578.55	1027	56.35	35.8	1.12	30.6	4.6	81.8	40.9
13	Monsanto	16R229B2XF	\$542.03	982	55.20	34.9	1.09	28.1	4.3	81.7	41.2
TEST AVERAGE			\$ 702.29	1253	56.02	37.6	1.18	30.8	4.5	82.2	40.7

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 (31) and leaf grade (3).

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

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

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.

2016 Cotton Individual Plot Yield Report

Cooperator:

Preston Turner
Levelland, TX
Hockey County

Planted:

5/22/2016

Harvested:

11/21/2016

Row Width:

40 inch spacing

Tillage:

Conventional

Soil Texture:

Sandy Loam

Irrigation:

Yes



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	Monsanto	16R245NRB2XF	\$904.09	1647	54.90	37.1	1.16	25.9	4.3	80.2	40.3
2	Monsanto	16R246NRB2XF	\$864.21	1532	56.40	36.5	1.14	26.9	4.2	80.9	40.8
3	Deltapine	DP 1522 B2XF	\$861.94	1535	56.15	36.4	1.14	26.0	4.3	80.6	39.5
4	Monsanto	16R228NRB2XF	\$841.60	1487	56.60	38.0	1.19	29.1	3.7	81.0	40.4
5	Monsanto	15R556B2XF	\$837.95	1486	56.40	38.5	1.20	28.7	3.7	80.5	41.9
6	Deltapine	DP 1747NR B2XF*	\$821.31	1527	53.80	35.6	1.11	25.6	3.7	77.6	41.8
7	Monsanto	16R225NRB2XF	\$815.70	1445	56.45	37.4	1.17	28.2	4.0	82.7	40.2
8	Monsanto	16R251NRB2XF	\$808.07	1501	53.85	37.4	1.17	25.5	3.6	78.5	37.8
9	Monsanto	16R248NRB2XF	\$774.08	1397	55.40	36.0	1.13	26.1	3.9	78.1	38.1
10	Monsanto	16R252NRB2XF	\$769.13	1366	56.30	35.6	1.11	27.4	3.9	80.2	40.3
11	Monsanto	16R242NRB2XF	\$760.52	1342	56.65	37.8	1.18	30.4	4.9	82.5	39.0
12	Deltapine	DP 1549 B2XF	\$698.80	1259	55.50	36.8	1.15	28.2	3.6	79.4	33.6
13	Monsanto	16R231B2XF	\$678.09	1216	55.75	34.8	1.09	31.3	4.1	81.0	41.6
14	Monsanto	16R229B2XF	\$615.24	1159	53.10	34.4	1.08	26.5	4.5	80.2	40.0
TEST AVERAGE			\$ 789.34	1421	55.52	36.6	1.14	27.6	4.0	80.2	39.7

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 (31) and leaf grade (3).

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

* Indicates variety that has been advanced into commercial production. Key: DP 1747NR B2XF = 16R247NRB2XF

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.

Table 15. Hockley County Irrigated RACE Trial Results.

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value ¹ (cents/lb.)	Value/Acre ² (\$ per acre)
CG 3475 B2XF	1306 a	36.62 b-d	4.647 a-c	1.153 f	31.1 cd	82.9 ab	54.20 a-c	708.26 ab
FM 1830 GLT	1303 ab	37.30 ab	4.213 e	1.233 a	32.1 c	82.4 b	55.02 ab	716.75 a
NG 3406 B2XF	1297 a-c	37.95 a	4.750 ab	1.147 f	30.0 d	82.6 b	55.35 ab	718.02 a
DP 1612 B2XF	1287 a-c	35.79 de	4.707 a-c	1.180 c	32.2 bc	83.5 a	55.02 ab	707.96 ab
FM 1911 GLT	1282 a-c	36.72 bc	4.317 de	1.187 bc	31.3 cd	82.9 ab	54.10 bc	692.61 ab
NG 3405 B2XF	1275 a-c	36.79 bc	4.563 a-d	1.143 f	29.9 d	83.0 ab	56.48 a	719.95 a
NG 4545 B2XF	1244 a-d	35.64 e	4.667 a-c	1.157 ef	34.1 a	82.6 b	55.73 ab	693.26 ab
DP 1522 B2XF	1227 a-e	36.04 c-e	4.813 a	1.160 d-f	30.9 cd	82.7 b	54.75 ab	671.97 ab
PHY 333 WRF	1222 b-e	35.42 e	4.460 b-e	1.187 bc	31.6 c	83.6 a	54.22 a-c	662.38 b
NG 3517 B2XF	1215 c-e	34.25 f	4.417 c-e	1.177 cd	33.8 a	82.8 b	55.13 ab	669.94 ab
PHY 243 WRF	1185 de	34.30 f	3.920 f	1.203 b	31.5 c	81.1 c	51.12 d	606.23 c
PHY 308 WRF	1154 e	33.48 f	4.437 c-e	1.173 c-e	33.6 ab	82.9 ab	52.33 cd	603.72 c
Mean	1250	35.86	4.493	1.175	31.8	82.8	54.45	680.92
P>F	0.0119	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0075	0.0007
LSD ($P \leq 0.1$)	83	0.88	0.293	0.020	1.5	00.7	2.35	53.19
CV	5.048	4.014	6.595	2.288	4.822	0.868	3.389	6.923

¹Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

²Values/Acre = lint yield * loan value.

Private Pesticide Applicators Training 2017 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 2017. 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; 806-385-4222 ext 235 by 3pm the day prior (Wednesday) to the trainings in Littlefield; 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:

- **February 28 Morton Extension Office 200 W. Taylor Avenue**
- March TBA Littlefield Extension Office, Courthouse, Room B-5
- April 20 Levelland Extension Office 1212 Houston Street
- May TBA Morton Extension Office 200 W. Taylor Avenue
- June TBA Littlefield Extension Office, Courthouse, Room B-5
- July 20 Levelland Extension Office 1212 Houston Street
- August TBA Morton Extension Office 200 W. Taylor Avenue
- September TBA Littlefield Extension Office, Courthouse, Room B-5
- October 19 Levelland Extension Office 1212 Houston Street
- November TBA Morton Extension Office 200 W. Taylor Avenue
- December TBA Littlefield Extension Office, Courthouse, Room B-5

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

IPM Radio Program Aglife on Fox Talk KJTV, radio 950 AM, on Wednesdays from 1:00 to 2:15 pm.

Texas A&M AgriLife Extension in Hockley County Report on KLVT Levelland, High Plains Radio Network, radio 1230 AM, 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.

Editor: Kerry Siders, Extension Agent-IPM
Contact information: 1212 Houston St., Suite 2 Levelland, TX 79336
(806) 894-3150 (office),
638-5635 (mobile), or 897-3104 (Fax)
ksiders@tamu.edu (E-mail),
Facebook Go To: <https://www.facebook.com/westplainsipm/>
<http://hockley-tx.tamu.edu> (County website)



Educational programs of the Texas A&M AgriLife Extension Service are open to all people without regard to race, color, religion, sex, national origin, age, disability, genetic information or veteran status. The information given herein is for educational purposes only. References to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by Texas A&M AgriLife Extension is implied.

The Texas A&M System, U.S. Department of Agriculture, and the Commissioners Courts of Texas Cooperating