

WEST
PLAINS
IPM
UPDATE

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

Jan. 14, 2020

Vol. 25 – No. 2

**2019 Cotton Variety Trials Conducted by Texas A&M AgriLife
Extension in Hockley County**

In this issue I have published the cotton variety trials we conducted in Hockley from 2019. My hope that this is just one source you will use to assist in your selection of cotton varieties for 2020. There are other sources which you should look at and study to make good selections for this upcoming growing season. Here is a list of the projects we conducted in 2019 in Hockley County:

- ⦿ PhytoGen Innovation Trail, Drip, Replanted, Monty Rodgers, Jr., North of Whitharral
- ⦿ DeltaPine FACT Trial, Drip, Preston Turner, Levelland
- ⦿ FiberMax/Stoneville APT Trials, Dryland at Albus Farm OK Flat, and Drip trial at Streety Farm near Arnett
- ⦿ Americot ACE Trials, Dryland at Sean Kaufman at Opdyke, and Pivot irrigated at Scott Fred at Pettit
- ⦿ Cotton Root-knot nematode screen trial at David Pearson near Locketville <https://lubbock.tamu.edu/files/2019/12/Nematode-variety-trials-in-2019-version-2.pdf>
- ⦿ Verticillium wilt screen trial at Larry Smith near Ropesville <https://lubbock.tamu.edu/files/2019/12/Verticillium-wilt-results-2019-version-2.pdf>



W3FE Demonstration Trial

Grower Cooperator: Monty Rogers Jr.
 Trial Cooperator: Kerry Siders
 PhytoGen CDS: Ben Benton
 Location: Whitharral, TX
 Replicates: 1
 Plot Size: 8 rows
 Row Spacing: 30" / 50"
 Beds: flat
 Previous crop(s): Cotton
 Irrigation: 80" drip tape
 Planter size: 8 row

Planting Date: 5/29/2019
 Seed Treatments: TRIO premium
 fungicides, insecticides,
 nematocides
 Seed/Acre: 43,000
 GPS Lat: 33.8157
 GPS Long: -102.308
 Elevation: 3,484
 Harvest Date: 11/10/2019







Sorted by lint value

Variety	lbs Lint/A	Turnout (%)	Micronaire	Length (inches/32's)		Strength (g/tex)	Uniformity (%)	Color Grades	Leaf Grade	Loan Value (\$/lb)	Lint Value (\$/A)
PHY 350 W3FE	764	32.1%	3.05	1.160	37.1	30.3	81.2	31	3	0.5070	387.21
PHY 250 W3FE	660	30.0%	2.73	1.160	37.1	30.8	81.8	31	2	0.4830	318.78
PHY 400 W3FE (PX3B07)	609	32.6%	2.77	1.170	37.4	29.2	81.0	31	4	0.4625	281.59
PHY 300 W3FE	603	35.3%	2.90	1.120	35.8	29.3	81.3	32	3	0.4445	267.98
PHY 320 W3FE	578	26.0%	2.68	1.150	36.8	30.1	82.4	31	5	0.4075	235.46
PHY 39 W3FE	506	26.8%	2.83	1.200	38.4	30.1	80.3	32	4	0.4395	222.50
PHY 480 W3FE	544	25.6%	2.52	1.150	36.8	29.8	81.4	33	4	0.3690	200.86
Mean	609	29.80	2.78	1.159	37.1	29.90	81.30		3.6	0.4447	273.48

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 EXTENSION

Cooperator:

Kerry Siders

Planted: 5/18/2019

Harvested: 11/18/2019

Row Width: 30-50

Tillage: Conventional

Soil Texture: Sandy Clay Loam

Irrigation: Drip Irrigated



Product Data			Crop Values \$/Crop Yield			* Fiber Characteristics					
Entry	Brand	Product Name	Crop Value (\$/Acre)	Lint Yield	Loan Price	Staple (32nds)	Length (inches)	Strength (g/tex)	Micronaire	%	
				(Lbs/Acre)	per Lb					Uniformity	% Lint
1	Bayer	19R107B3XF	\$702.00	1300	54.00	37	1.16	30.8	4.9	84	40.1
2	Bayer	19R113B3XF	\$727.07	1359	53.50	36	1.14	29.8	4.8	83	42.2
3	Bayer	19R122B3XF	\$657.38	1214	54.15	37	1.15	31.3	4.7	83	39.2
4	Bayer	19R123B3XF	\$705.57	1303	54.15	38	1.18	31.8	4.9	83	41.6
5	Bayer	19R125B3XF	\$737.36	1429	51.60	36	1.12	32.1	5.2	84	42.9
6	Bayer	19R127B3XF	\$670.98	1266	53.00	35	1.10	31.5	4.7	83	42.8
7	Bayer	19R128B3XF	\$705.03	1302	54.15	37	1.15	31.4	4.6	84	44.8
8	Bayer	19R129B3XF	\$687.66	1277	53.85	36	1.11	31.7	4.7	83	42.9
9	Bayer	19R130B3XF	\$848.34	1571	54.00	36	1.12	33.0	4.9	84	42.4
10	Bayer	19R132B3XF	\$709.15	1373	51.65	36	1.14	32.9	5.0	84	42.4
11	Bayer	18R411B3XF	\$680.48	1266	53.75	37	1.15	29.2	4.5	82	38.4
12	Bayer	18R628NRB3XF	\$684.97	1272	53.85	36	1.12	32.1	4.5	82	41.3
13	Bayer	18R421B3XF	\$669.89	1244	53.85	38	1.19	29.8	4.4	83	37.2
14	Bayer	18R423B3XF	\$575.66	1074	53.60	36	1.14	29.0	4.3	82	32.3
15	Bayer	DP 1820 B3XF	\$695.04	1280	54.30	38	1.19	33.5	4.9	83	40.9
16	Bayer	DP 1612 B2XF	\$576.16	1064	54.15	37	1.15	31.8	4.5	83	34.5
TEST AVERAGE			\$689.55	1287	53.60	36.6	1.14	31.4	4.7	83.1	40.4

Advanced in 2020: 411=DP2012, 421=DP2020, and 423=DP2022

Albus Ok Flat 2019

Seed Advisor:	Marie Pierce	State:	TX	Planting Date:	5/18/2019	Seeding Rate:	27000
Phone:	(806) 549-5967	County:	Hockley	Harvest Date:	11/10/2019	Row Spacing:	40
Email:	marie.pierce@basf.com	City:	Levelland	Tillage:	No-till	Irrigation:	No
		Trial Type:	APT	Soil Texture:	Sandy Loam	Yield Env.	<1 bale

Variety	Yield	Rank	Lint %	Length	Staple	Strength	Mic	Unif.	Loan Value	Value / Acre	Plant Ht. (in)	% Open	Storm Tolerance*
FM 1888GL	491	1	0.383	1.08	34.56	28.70	4.84	80.20	52.55	\$257.79	18.40	60.00	8.0
ST 5707B2XF	476	2	0.336	1.10	35.20	34.60	4.29	81.20	53.15	\$252.74	21.30	28.57	8.0
ST 4990B3XF	460	3	0.356	1.13	36.16	28.60	4.98	82.00	53.45	\$246.13	17.10	47.87	8.0
FM 1621GL	460	4	0.390	1.07	34.24	28.00	5.16	80.00	49.70	\$228.57	17.80	80.58	8.0
FM 2398GLT	449	5	0.394	1.12	35.84	31.80	4.76	81.60	53.80	\$241.49	20.30	66.67	8.0
FM 2498GLT	444	6	0.387	1.09	34.88	30.60	5.01	80.60	50.50	\$224.06	18.40	34.86	9.0
BX 2002GL	443	7	0.385	1.05	33.60	31.90	4.69	80.60	52.40	\$232.07	17.20	42.71	9.0
ST 4946GLB2	433	8	0.347	1.08	34.56	31.60	4.84	80.50	52.95	\$229.30	20.90	14.41	8.0
FM 2574GLT	409	9	0.400	1.06	33.92	30.10	4.44	79.50	51.75	\$211.45	18.10	50.47	8.0
ST 5600B2XF	401	10	0.394	1.07	34.24	31.50	4.51	81.20	52.40	\$210.27	20.10	0.00	8.0
FM 1830GLT	400	11	0.408	1.05	33.60	30.30	4.22	79.40	51.85	\$207.21	17.60	60.66	8.0
ST 4480B3XF	310	12	0.329	1.10	35.20	27.60	4.22	79.80	52.15	\$161.80	18.90	51.82	7.0
Test Mean	431		0.376	1.08	34.67	30.66	4.63	80.56	52.13	\$224.89	18.84	43.43	8.1

Streety Ropesville 2019

Seed Advisor:	Marte Pierce	State:	TX	Planting Date:	5/22/2019	Seeding Rate:	44000
Phone:	(806) 549-5967	County:	Hockley	Harvest Date:	10/22/2019	Row Spacing:	40
Email:	marte.pierce@basf.com	City:	Levelland	Tillage:	Conventional	Irrigation:	Yes
		Trial Type:	APT	Soil Texture:	Sandy Loam	Yield Env.	2-3 bales

Variety	Yield	Rank	Lint %	Length	Staple	Strength	Mic	Unif.	Loan Value	Value / Acre	Plant Ht. (in)	% Open	Storm Tolerance*
FM 1621GL	1806	1	0.458	1.17	37.44	33.80	4.57	82.90	54.20	\$979.12	29.60	16.67	9.0
FM 2398GLT	1767	2	0.412	1.15	36.80	31.70	4.78	83.20	54.15	\$956.99	28.50	12.17	9.0
FM 1830GLT	1531	3	0.426	1.21	38.72	33.30	4.67	83.50	54.30	\$831.59	23.30	18.39	9.0
ST 5707B2XF	1405	4	0.384	1.15	36.80	33.90	4.95	84.20	54.30	\$762.71	25.30	18.06	8.0
ST 4946GLB2	1370	5	0.399	1.11	35.52	31.20	4.92	83.20	53.90	\$738.69	24.40	19.23	8.0
FM 2498GLT	1301	6	0.407	1.17	37.44	32.60	4.86	83.60	54.15	\$704.68	23.50	14.08	9.0
ST 5600B2XF	1291	7	0.431	1.15	36.80	31.80	5.09	83.40	51.85	\$689.14	29.30	22.22	9.0
ST 4990B3XF	1286	8	0.396	1.18	37.76	31.70	4.64	83.60	54.20	\$696.86	24.70	13.64	9.0
BX 2002GL	1251	9	0.442	1.14	36.48	32.60	4.69	82.70	53.85	\$673.49	24.80	4.64	9.0
ST 4480B3XF	1250	10	0.373	1.20	38.40	32.80	4.21	83.40	54.30	\$678.66	25.30	31.19	9.0
ST 5610B3XF	1242	11	0.439	1.20	38.40	31.90	4.08	84.40	54.35	\$674.89	31.00	19.39	9.0
FM 1888GL	1197	12	0.401	1.18	37.76	32.90	4.26	83.10	54.30	\$650.23	24.70	18.75	9.0
FM 2574GLT	1195	13	0.429	1.22	39.04	34.40	4.37	82.40	54.25	\$648.44	26.70	16.47	9.0
Test Mean	1395		0.415	1.18	37.67	32.74	4.60	83.35	54.03	\$753.73	26.29	17.05	8.9



2019 Americot ACE Trial Yield Report

Cooperator: Sean Kauffman	Planted: 5/28/2019	Tillage: Conventional
City: Levelland	Harvested: 10/27/2019	Soil Texture: Sandy Loam
County: Hockley	Row Width: 40"	Irrigation: Drip

Product Data			Crop Values \$/Crop Yield			* Fiber Characteristics					
Entry	Brand	Product Name	Crop Value (\$/Acre)	Lint Yield (Lbs/Acre)	Lint Price	Staple (32nds)	Length (inches)	Strength (g/tex)	Micronaire	Uniformity	% Lint
1	Nexgen	NG 4098 B3XF**	\$218.19	392	0.5570	36.2	1.13	30.6	4.97	80.7	34.0
2	Nexgen	NG 3930 B3XF	\$214.80	425	0.5050	34.2	1.07	26.9	5.06	80.2	34.5
4	Nexgen	NG 3956 B3XF	\$210.60	431	0.4890	32.3	1.01	28.0	4.61	79.5	35.0
5	Deltapine	DP 1646 B2XF	\$205.65	407	0.5050	33.3	1.04	26.7	4.88	78.2	33.7
6	Nexgen	NG 3994 B3XF	\$199.42	378	0.5280	34.2	1.07	28.7	4.91	80.8	35.7
7	Nexgen	NG 3406 B2XF	\$184.06	377	0.4880	33.0	1.03	26.6	5.03	80.2	36.7
8	Nexgen	NG 2982 B3XF	\$183.55	390	0.4710	32.3	1.01	27.7	5.12	80.3	37.1
9	Deltapine	DP 1549 B2XF	\$182.09	391	0.4660	31.0	0.97	27.2	4.81	68.5	32.8
10	Nexgen	NG 4545 B2XF	\$173.86	343	0.5070	33.9	1.06	30.0	5.19	80.5	33.3
11	Nexgen	NG 3780 B2XF	\$156.17	334	0.4670	33.0	1.03	28.5	5.35	78.8	33.4
TEST AVERAGE			\$192.84	387	0.4983	33.3	1.04	28.1	5.0	78.8	34.6

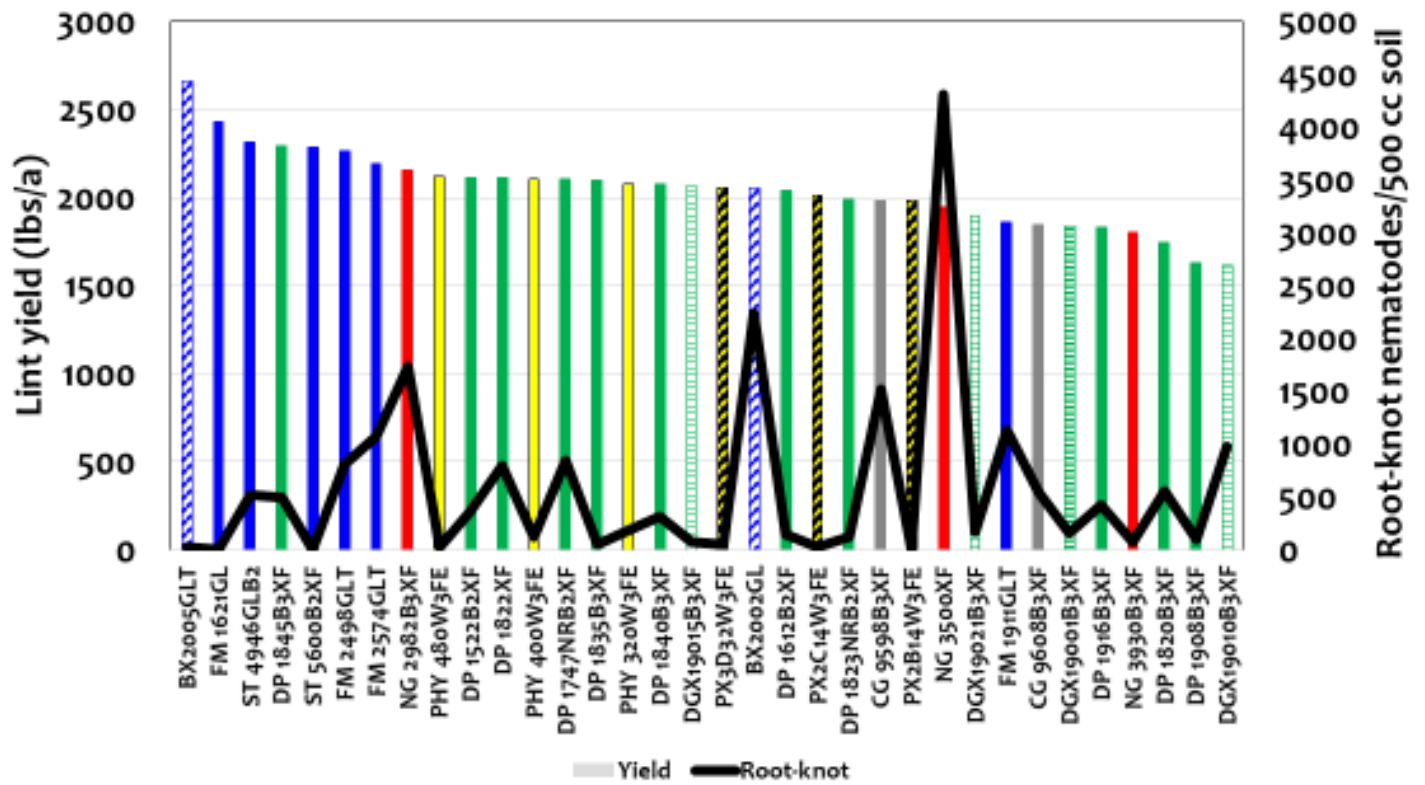


2019 Americot ACE Trial Yield Report

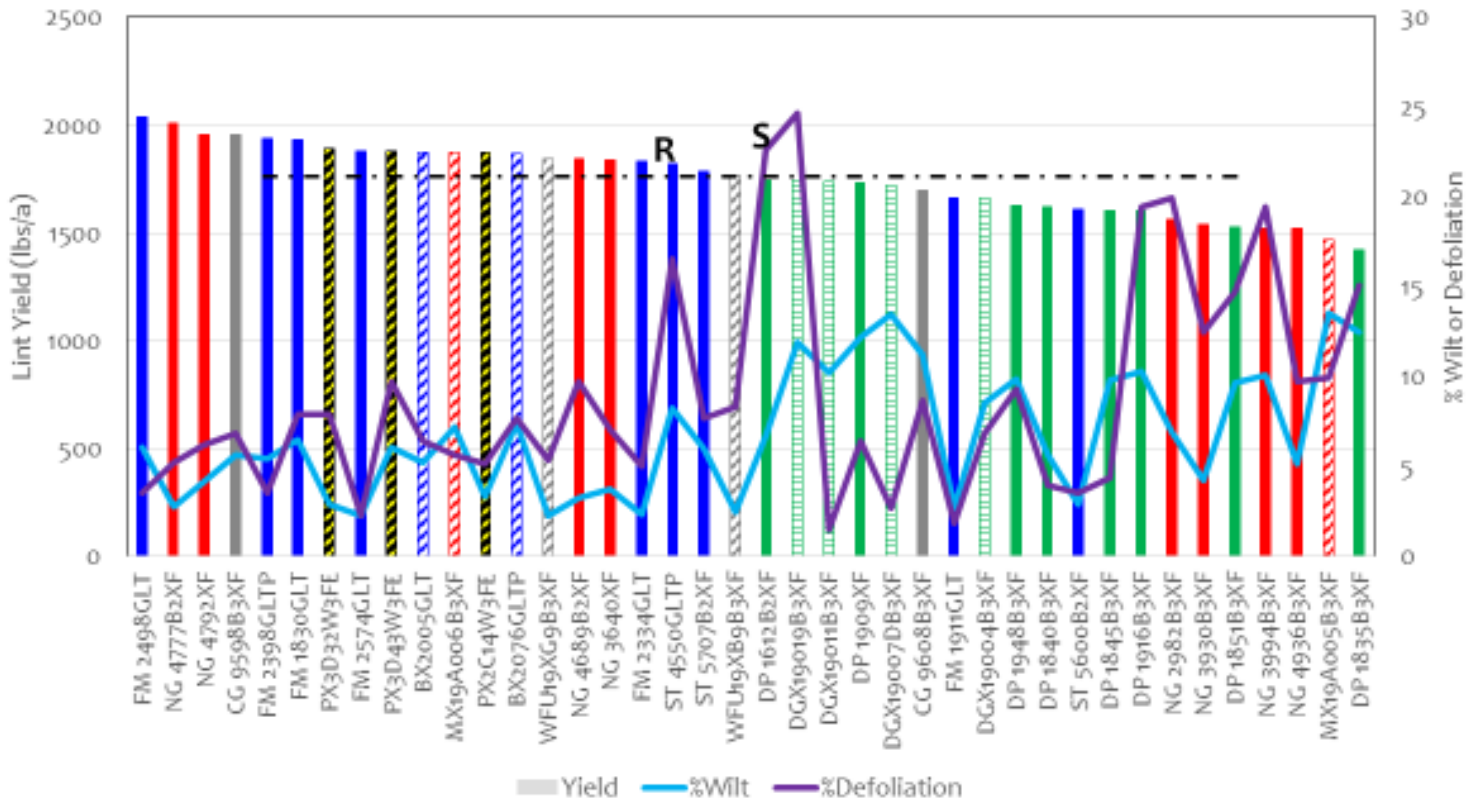
Cooperator:	Scott Fred	Planted:	5/30/019	Tillage:	Conventional
City:	Levelland	Harvested:	11/15/2019	Soil Texture:	Sandy Loam
County:	Hodley	Row Width:	40"	Irrigation:	Pivot

Product Data			Crop Values \$/Crop Yield			* Fiber Characteristics					
Entry	Brand	Product Name	Crop Value (\$/Acre)	Lint Yield (Lbs/Acre)	Loan Price (per Lb)	Strength					
						Staple (32nds)	Length (inches)	(g/tex)	Micronaire	% Uniformity	% Lint
1	Nexgen	NG 2982 B3XF	\$444.35	857	0.5185	34.9	1.09	28.7	5.3	83.3	38.3
2	Nexgen	NG 4098 B3XF**	\$439.06	778	0.5640	37.8	1.18	32.7	4.7	82.9	36.8
3	Deltapine	DP 1646 B2XF	\$415.59	737	0.5640	38.4	1.20	30.1	4.1	83.6	38.2
4	Deltapine	DP 1522 B2XF	\$414.66	746	0.5555	35.5	1.11	29.6	4.5	83.1	38.3
6	Nexgen	NG 3994 B3XF	\$398.79	750	0.5320	36.2	1.13	28.9	5.2	83.0	38.9
7	Nexgen	NG 3930 B3XF	\$393.38	709	0.5550	35.8	1.12	28.3	4.9	83.6	36.3
8	Nexgen	NG 4545 B2XF	\$377.99	715	0.5285	34.2	1.07	29.8	4.7	82.9	33.8
9	Nexgen	NG 3780 B2XF	\$374.58	764	0.4900	34.2	1.07	27.8	5.4	82.3	34.7
10	Nexgen	NG 3406 B2XF	\$370.40	758	0.4885	33.3	1.04	27.6	5.0	82.9	37.6
11	Nexgen	NG 3956 B3XF	\$357.35	636	0.5615	36.8	1.15	30.7	4.6	83.0	33.4
TEST AVERAGE			\$398.62	745	0.5358	35.7	1.12	29.4	4.8	83.1	36.6

Hockley County Root-knot Nematode Trial (low nematode pressure) in 2019



Ropesville: Verticillium wilt in 2019





Central Plains Ag Conference

Olton, TX (Olton Ag Pavilion)

Wednesday, February 26, 2020

8:00 a.m. – Registration (No Charge – Sponsored by Texas A&M AgriLife Extension) – Moderator Kyle Howard, Lamb CEA-Ag

8:30 a.m. – Weed IPM Update – Dr. Peter Dotray, TTU & Texas A&M AgriLife (Weed Resistance, Weed Control Management Technology & Chemicals, Cultural & Mechanical)

9:20 a.m. – Disease and Nematode IPM Update – Dr. Cecilia Monclova-Santana, Texas A&M AgriLife Extension (Review of 2019 Pathology Research, Update on FOV4, Disease IPM Recommendations)

10:10 a.m. – Break (Coffee & Donuts, Visit Booths) – Moderator Kerry Siders, EA-IPM Hockley, Cochran & Lamb

10:25 a.m. - Crop Irrigation Management, A Lifetime of Experience - Dr. Jim Bordovsky, Texas A&M AgriLife Research

11:15 a.m. – Ag Economics Update – Dr. Justin Benavides, Texas A&M AgriLife Extension

12:00 p.m. Lunch (Sponsored by Ag Producers Cooperative); Update from Ag Producers Cooperative – Moderator Andrew Dunlap, Lamb, Hale & Castro EA-Agronomist

1:00 p.m. – Cotton Agronomic Update – Dr. Murilo Maeda, Texas A&M AgriLife Extension (Cotton Variety Testing Results, Lessons from 2019, 2020 Preparations)

1:50 p.m. – Cropping Systems Update – Dr. Wayne Keeling, Texas A&M AgriLife Research; and Mr. Ray White Graduate Student Texas Tech University

2:40 p.m. – Required Auxin Herbicide (Xtend & Enlist) Training – Andrew Dunlap, Texas A&M AgriLife Extension

3:30 p.m. – Adjourn

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

For More information contact Kerry Siders at 806 638-5635; Kyle Howard at 806 620-6595; or Andrew Dunlap at 806 647-4115

Other Upcoming Educational Opportunities

Pesticide Applicators Training Tuesday, February 11, 2020 Levelland Extension Office 1pm; call 894-3159 to register before noon 2/10/20; this is required training in order to obtain a TDA pesticide applicators license.

Auxin Herbicide Trainings (2) Thursday, March 12, 2020 Levelland Extension Office 9-10am and again from 1-2pm, call 894-3159 for questions and to register by noon on 3/11/20; required to apply to Enlist & Xtend.

Paraquat Dichloride Training for Certified Applicators

The [EPA-approved training module can be accessed here. EXIT](https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators) Or go to this website: <https://www.epa.gov/pesticide-worker-safety/paraquat-dichloride-training-certified-applicators> This training was developed by paraquat manufacturers as part of EPA's 2016 risk mitigation requirements and has been approved by EPA.

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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