

WEST
PLAINS
IPM
UPDATE

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

Oct. 4 2019

Vol. 24 – No. 16

Crop and Pest Situation

Pest wise, I am not concerned about much at all. However, if you have grain sorghum keep an eye on stink bugs. If you have an average of more than 4 per head on good grain it may be an issue. Everything else we have put to bed for the winter.

Harvest is the goal now, and it has been complicated by the recent weather events. No complaints about the rain, but it has brought on regrowth in many acres which will be difficult to deal with using harvest aids.

On the next page is a cotton harvest aid trial I sprayed two weeks ago today. One thing we preach on harvest aids is **“do not spray ahead of a cold or wet front”**. So, this is exactly what I did. In fact, it rained on this trial less than an hour after I sprayed (rain fastness), and it stayed cloudy and rainy for 48 hours after I sprayed (lack of good sunlight). This trial does show that the Gramoxone treatments worked through this weather once we got back to some sunlight 3 days later; the PPO's were impacted sufficiently that they did not perform under these conditions. If they had been sprayed after a front (wet or cold) they would had performed very well; resulting in much better defoliation and regrowth inhibition.

I plan on spraying another trial this next week when I can get a 3-5-day window of open weather.

Call if you have questions. Kerry

Here is the link to the cotton harvest aid guide:

<http://lubbock.tamu.edu/files/2017/08/2017-High-Plains-Cotton-Harvest-Aid-Guide.pdf> .

Table 1. Results of cotton harvest-aid treatments at Preston Turner Farm, Levelland, Texas, 2019.

Treatment	Cost of Chemical	Green Leaf % 7 DAT	Dessicated Leaf % 7 DAT	Defoliated Leaf % 7 DAT	Open Boll % 7 DAT	Re-growth 7 DAT	Green Leaf % 14 DAT	Dessicated Leaf % 14 DAT	Defoliated Leaf % 14 DAT	Open Boll % 14 DAT	Re-growth 14 DAT
Gramoxone 8 oz + 1/2% NIS fb 7DAT Gramoxone 40 oz + 1/2% NIS	\$12.24	0	9	91	97	1	0	2	98	99	1
Gramoxone 8 oz + 1/2% NIS fb 7DAT Gramoxone 24 oz + 1/2% NIS	\$8.32	0	8	92	98	1	0	2	98	99	2
Gramoxone 20oz + Prep 32oz + 1/2% NIS	\$8.10	0	13	87	100	1	0	4	96	100	3
Gramoxone 32oz + 1/2% NIS	\$8.16	0	19	81	100	0	0	5	95	100	0
Sharpen 1oz + Prep 32oz + 1% MSO + 1.5% AMS	\$8.85	82	0	18	99	0	60	0	40	100	2
ETX 1.25oz + Prep 32oz + 1% COC	\$8.05	64	0	36	100	0	55	0	45	100	2
Display 0.8oz + Prep 32oz + 1% COC	\$10.20	39	0	61	99	0	39	0	61	100	2
Ginstar 6oz + Prep 32oz + 1/2% NIS	\$8.70	32	0	68	99	1	30	0	70	100	1
Check	\$0.00	92	0	8	85	0	90	0	10	90	0

DAT = Days after treatment on September 20, 2019.

fb = followed by

15 gal/acre,

4 nodes above cracked boll at initial application.

Initial application made at 5 pm on 9/20/19. A 0.15" rain received at 5:30p, plus and additional 0.5" rain after 8:00p day of treatment. Cloudy, rainy weather persisted for two days.

COC=Crop Oil Concentrate ; MSO=Methylated Seed Oil

NIS=90% Non-ionic Surfactant

Regrowth (0-4) 0=none 4=not harvestable due to regrowth

For more information contact: Kerry Siders, Extension Agent - IPM, 806 638-5635, k-siders@tamu.edu



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),



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