

WEST PLAINS IPM UPDATE

News about Integrated Pest Management in Hockley and Cochran Counties

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IN THIS ISSUE:

- * Current Crop and Pest Situation
- * Educational Opportunities

Current Crop and Pest Situation

Peanuts and grain sorghum seem to be trouble free at this time. Cotton on the other hand has its share of concerns right now. All crops would benefit from a +1 inch rain. Odds are not good for that occurring for at least another month. I have subtly dropped recommendations to begin irrigating cotton 2-3 weeks ago. Now I will not be so subtle. If you have the capacity to irrigate, I would recommend you begin to do so now. Though we have been blessed with good rains up until even 7-10 days ago for some, the cotton crop is in need of additional soil moisture in the top few inches. The cotton crop has developed fairly shallow feeder roots making it vulnerable to stress as the soil dries. This stress can be compounded by cultivation and other activities which may sever these critical nutrient and moisture delivering plant parts. Thus, in turn this stress can result in square shed, and delay maturity. The other concern about cotton producers not starting the water now is that many will be tempted to begin when it is obvious that the plant needs water, resulting in a vegetative growth spurt and further delay in maturity.

The other concern I have is insect pests. The Lygus have been very bad in the Anton vicinity over the last seven days. In fact, when I finished my newsletter last week, I spent most of the rest

of the day trying to get a handle on how wide spread this Lygus situation was. At that time it was centered around Anton for about 2 miles in any direction. So hopefully you have been keeping an eye out for this pest as I have been suggesting since May. Sweep net counts have been as high as 44 Lygus /100 sweeps. The threshold I use for sweep nets would be 15 / 100 sweeps. I have again listed those products which are suggested for Lygus and fleahoppers.

Suggested Insecticides for control of cotton fleahoppers and Lygus.

Insecticide	Formulated amount per acre	
	Fleahopper	Lygus
Address® 75S	4 - 5.33 oz.	10.66 - 21.33 oz
Address® 90S	3.34 - 4 oz	9 - 17.77
Orthene® 90S	3.34 - 4 oz	9 - 17.77
Orthene® 97	3.10 - 3.71 oz	8 - 16 oz
Intruder 70 WP	0.6-1.1 oz	----
Capture® 2E	----	2.6 - 6.4 oz
Baythroid® 2E	----	1.6 - 2.6 oz
Leverage® 2.7SE	----	3.75 oz
Karate® 1E	----	2.56 - 3.84 oz
Karate® 2.08 CS	----	1.28 - 1.92 oz
Ammo® 2.5 E	----	2 - 5 oz
Decis® 1.5 E	----	1.11 - 1.62 oz
Lorsban® 4E	6 - 16 oz	----
Bidrin® 8E	0.8 - 3.2 oz	8 oz
Dimethoate® 2.67E	5.3 - 10.5 oz	10.7 oz
Dimethoate® 4E	4 - 8 oz	8 oz
Dimethoate® 5E	3.2 - 6.4 oz	6.4 oz
Asana XL® 0.66E	----	5.8 - 9.6 oz
Proaxis 0.5 E	----	2.56 - 3.84 oz
Prolex 1.25 E	----	1.02 - 1.54 oz
Provado® 1.6F	3.75 oz	3.75 oz
Trimax 4F	1.5 oz	
Steward® 1.25SC	9.2 - 11.3 oz	----

Lannate® 2.4LV	6 - 12 oz	0.75 pt
Methyl Parathion 4E	3.2 oz	1 - 2 pts
Vydate® 2L	1 pt	1 pt
Vydate® 3.77 C-LV	8.5 oz	12.7 - 34.0oz
Centric 40 WG	1.25-2.5 oz	
Parathion 8E	----	8 - 16 oz
Scout®X-tra 0.9E	----	2.28 - 2.84 oz
Fury® 1.5 E	----	2.99 - 4.26 oz

The use of synthetic pyrethroid insecticides may increase cotton aphid numbers

I would encourage all producers, not just in the Anton area, to be vigilant with this pest. Fleahoppers have been generally associated with the Lygus. This is probably due to their original host plants in the vicinity of these fields being the same. The pyrethroids have been doing a very good job on the Lygus. We do have concern for flaring aphids however. Most all fields have cotton aphids scattered throughout, mostly in terminals and squares. So carefully consider your options. See below for aphids management suggestions.

Suggested Insecticides for control of aphids in cotton.

Insecticide	Formulated Amount per acre
Intruder® 70 WP	0.6-1.1 oz
Lorsban® 4E	8-32 oz
Bidrin® 8E	4-8 oz
Bidrin® 8E + Ovasyn® 1.5E	4-8 oz + 0.67-1.33 pt
Bidrin® 8E + Curacron® 8E	4-8 oz + 2-4 oz
Provado® 1.6F	3.75 oz
Trimax® 4F	1.5 oz
Lannate® 2.4 LV	12 oz
Parathion 8E	4-6 oz
Curacron® 8E	8 oz
Centric® 40 WG	2 oz

To calculate your heat unit accumulation nearest you go to:

http://www.deltaandpine.com/tools_WTX_weather.asp

EDUCATIONAL OPPORTUNITIES

July 25 Grain Sorghum Turnrow Meetings

Site #1—Irrigated Grain Sorghum Hybrid Strip Trial
9:00-10:15 AM

Greg Methvin Farm—Approx. 1 mile west of Arnett Gin where FM 1585 curves north

Site #2—Irrigated Grain Sorghum Hybrid Strip Trial
11:00 AM—12:15 PM

Randy Wade/Josh Arp Farm—Along U.S. 385 about 0.5 mile south of the Hockley-Lamb Co. line

Visit with Hockley County Extension staff Kerry Siders & Chris Edens and Texas A&M-Lubbock extension agronomist Calvin Trostle about mid-season sorghum production tips.

Each meeting is independent of each other. Topics will be similar.

1.0 CEU offered at each site

July 26 Pesticide Applicators Training, Levelland 1-4 pm Extension office

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