

HUB OF THE PLAINS PEST MANAGEMENT REPORT

A newsletter about integrated pest management for growers in Lubbock, County

(806)775-1680 (phone) ● (806)781-4094 (mobile) ● (806)775-1658 (FAX)

b-baugh@tamu.edu (e-mail) ● <http://lubbock.tamu.edu/ipm> or <http://www.tpma.org> (web)

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CURRENT CROP CONDITIONS

The area cotton crop is ranging from emergence to match head square. Most of the program fields have six to seven true leaves and are beginning to square on node number seven. Many of the area producers have started to row water and the pivots have applied at least one inch of irrigation since last week. Many of you have asked me what I think of the areas cotton, and I have to say that the fields that emerged in May, and did not dry out or were not hailed out look very good. The subsurface drip irrigated fields are either very good or have not and will not come to a stand. Basically, the cotton that came to a stand in May is in excellent shape. Most of the fields are putting on one node every three days which is full speed ahead as far as a cotton plant is concerned.

Some of you are asking about fertilizer and when to put it out. For the drip and pivot irrigated producers that are squaring, I would like to have your budgeted amount of fertilizer out by July 20th. Most of the row irrigated producers have already applied their fertilizer and as for the dryland producers, keep in mind that nitrogen and water go hand in hand. You have to have moisture in order for the plants to utilize available nitrogen. The peak demand for water in cotton is at full bloom and that is why I want my last fertilizer application to go out around July 20th. Keep in mind, that when you see the first bloom on your cotton plants,

all the fruit that is on the plant at that time is what you will potentially put in the basket. Nitrogen applications in August do not help yield all that much, will delay cutout and cause excessive vegetative growth which leads to mepiquat chloride applications that were preventable.

WHAT THE SCOUTS ARE FINDING

Pest pressure is very light this week except for a few locations that are still exceeding economic threshold for thrips. Most of you have more than seven true leaves and are starting to square so thrips are no longer a concern. **Cotton Fleahoppers** are being found in very light numbers with very few immatures being found. In looking at some of the weeds in the ditches, fleahoppers are in relatively low numbers in Northern and Western Lubbock County but are in high numbers in Eastern Lubbock County. Basically, when you get timely rainfall you also get pests. When these weed hosts start to dry down, the fleahoppers will probably move into the cotton.

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

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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
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
Sevin® 80S	0.6 - 1.25 lbs	----
Lorsban® 4E	6 - 16 oz	----
Bidrin® 8E	0.8 - 3.2 oz	8 oz
Dimate® 4E	4 - 8 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
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
Metasystox - R® 2E	1 pt	----
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

Brant Baugh
 Extension Agent - Integrated Pest Management
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Brant Baugh