

# TEXAS COOPERATIVE EXTENSION

Partners with Nature

## WEST PLAINS IPM UPDATE

*News about Integrated Pest Management in Hockley and Cochran Counties*

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### CROP & INSECT SITUATION

#### COTTON

The cotton crop in Hockley and Cochran counties ranges from just squaring to blooming with 4-5 first position bolls. On average, we are 10 days into bloom with 3 bolls set; first fruiting node is the 7th, 15 total nodes; and 5 nodes above white flower. We have approximately 25-30 more days of effective bloom period. The average plant will probably not need those 25-30 more days to turn a square into a bloom/boll. However, those fields which have not bloomed yet will need every bit of that time. Remember it takes approximately 30 days for a square to result in a bloom/boll. In other words the odds of a square formed after today resulting in a harvestable boll are reduced dramatically. Of course this is all dependent on heat units and how late summer and fall go. Another major factor is moisture. It has been difficult to distinguish dryland from irrigated up until this last week. We have not received a rain since July 6th. We probably could not have irrigated any better up until that point. Now we start separating things out.

#### HEAT UNITS (DD 60's) for Levelland Area

May 1st to Present 1200.5

May 15th to Present 1086.5

June 1st to Present 846.5

#### Heat Unit Requirements for Cotton Growth

#### GROWTH STAGE HEAT UNITS

Planting 0

Emergence 75

First Square 450

First Bloom 900

First Mature Boll 1800

First Open Boll 1900

5% Mature Bolls 1975  
95% Mature Bolls 2270

Insects remain relatively light in cotton. The field scouts and I continue to find cotton bollworms at less than 2000 per acre, Lygus adults at less than 1 per 3 row feet, and an occasional cluster of cotton aphids. Beneficial insects and spiders are still fairly common in most fields. The occasional aphid and worm are providing a more steady food source. Bottom line is that I am still very optimistic about our cotton crop potential.

### **Suggested Insecticides for control of bollworms**

Insecticide      Formulated amount per acre

Capture® 2 E \* 2.6 - 6.4 oz  
Baythroid® 2 E \* 1.6 - 3.2 oz  
Leverage® 2.7 SE \* 3.75 oz  
Karate® 1 E \* 3.2 - 5.12 oz  
Karate® 2.08 CS \* 1.6 - 2.56 oz  
Ammo® 2.5 E \* 2 - 5 oz  
Decis® 1.5 E \* 1.62 - 2.56 oz  
Asana XL® 0.66 E \* 5.8 - 9.6 oz  
Steward® 1.25 SC 9.2 - 11.3  
Lannate® 2.4 LV 1.5 pts  
Methyl Parathion (4E) 2.5 - 4 pts  
Curacron® 8 E 8 - 16 oz  
Tracer® 4 SC 2.14 - 2.9 oz  
Larvin® 3.2 F 1.5 - 2.25 pts  
Scout® X-tra 0.9 E \* 2.56 - 3.37 oz  
Fury® 1.5 E \* 2.82 - 3.83 oz

\* The use of synthetic pyrethroid insecticides may increase cotton aphid numbers.

### PEANUTS

The peanut crop is making excellent progress and has very good potential. Most everyone is keeping up with irrigation demands. No major widespread disease concerns have been noted. Consultant Chris Locke reported finding a few rootworms in Cochran and some rhizoctonia infections.

**HOCKLEY/COCHRAN  
PEANUT MEETING  
JULY 21ST 6-8:30 P.M.**

**Meet at the Clint Williams processing facility,  
east of Levelland (2 miles east on Hwy 114,  
south on FM 3261).**

**Topics include:  
Irrigation  
Insect and Disease Management  
Other Peanut Issues**

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