

# TEXAS COOPERATIVE EXTENSION

Partners with Nature

## WEST PLAINS IPM UPDATE

News about Integrated Pest Management in Hockley and Cochran  
Counties

Volume 9 - No. 9 KERRY SIDERS, EXTENSION AGENT - IPM  
August 6, 2004

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? Crop and Insect Situation - Cotton, peanuts, sorghum

? Alfalfa Meeting

#### **CROP & INSECT SITUATION**

Cotton ranges from just blooming to hard cut-out with no nodes above white flower (NAWF). On average though a majority of cotton, based on our IPM scouting program fields have 4 NAWF, or right at physiological cut-out. The clock has begun ticking on the accumulation of heat-units for termination of insecticides. What I mean by this is that once we have less than 5 NAWF it will take 350 accumulated heat-units past this point to be safe from cotton bollworms. This however, does not say that it relieves us from physically checking beyond this point to make sure. So again, based on averages and assuming that we accumulate 18-20 heat units per day, we could be safe from worms near the 23rd - 25th of August. Understand that some of you cut-out much sooner than this and others have not yet reached physiological cut-out yet. Therefore, each field just as in scouting must be treated individually.

I mention this now also because cotton bollworms have not been a major consideration yet. We have been hard pressed to find worms. So it looks like if we are going to have worms it will be of the acute type infestation which could occur over the next few weeks. In fact our IPM program cotton bollworm pheromone trap catches have increased over the past few days. Typically when this occurs we can anticipate increased egg laying over the next few weeks. So I encourage you to begin intensifying your scouting. Refer to the July 9th issue (Vol. 9 - No. 6) of West Plains IPM Update for cotton bollworm management.

#### **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.

Cotton aphids have also begun to be more noticeable primarily in plant terminals. If we do spray for worms be warned to consider your aphid situation.

### **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

### **HEAT UNITS (DD 60's)**

for Levelland Area

May 1st to Present 1468

May 15th to Present 1354

June 1st to Present 1114

Peanuts are generally doing well. The predicted weather conditions are conducive to disease. Hopefully you have recently applied a fungicide. Grain sorghum is making good progress. Late sorghum should be checked for sorghum midge.

**ALFALFA EDUCATIONAL MEETING FOR SMALL ACREAGE  
PRODUCERS**

August 11th 6-8 P.M.

Meet at Kelvin Sharp alfalfa patch 5.5 miles south of Levelland on east side of Hwy. 385.

Topics include:

- Weeds and Insects
  - Irrigation
- Alfalfa agronomy

2 CEU's - TDA pesticide applicators

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