

pest Profile

A NEWSLETTER FOR NORTH CENTRAL TEXAS GROWERS

Information can be accessed from the following web sites:

Department of Entomology: <http://entowww.tamu.edu>

Texas Pest Management Association: www.texag.net

Ellis County Web Site: <http://ellis-tx.tamu.edu>

E-Mail: gc-moore@tamu.edu

Fax: (972) 825-5184

Work: (972) 825-5186

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GENERAL SITUATION

Scattered showers and locally heavy thunderstorms prevailed across north central Texas during the past week. The sorghum harvest is awaiting drying conditions. Cotton growth ranges from first bloom - small boll to mature bolls.

Cotton Insects

Aphids

Cotton aphid numbers remain light in area fields. Beneficial insects and arthropods have increased in many fields over the past week.

Boll Weevil

Punctured squares from boll weevil remain light ranging from 0 to 2 per 100 fruiting forms examined. Boll weevil eradication efforts have been quite successful to date.

Bollworm

Egg numbers have ranged from 2 to 10 per 100 plants. Larval numbers ranged from 3 to 30 per 100 plants in non-Bt cotton during the past week.

Bollworms in Bt Cotton

Bollworm larval numbers ranged from 2 to 23 per 100 plants in Bollgard cotton this past week. Considerable acreage of Bt cotton have been treated for bollworms. The synthetic pyrethroid

insecticides applied at highest rates have provided good control of small (1 to 3 days old) larvae.

As we enter the second week of August, producers should continue to monitor fields closely for bollworms. I would recommend making modified whole plant inspections, with emphasis on blooms and bloom tags. Bollworm/budworm egg-laying has increased over the past few days and is forecast to peak about August 4 through 7, 2007. Lush, rank, late cotton and fields in which higher rates of nitrogen fertilizer was applied will likely continue to be attractive to bollworms for some time yet.

Stink Bugs

Producers should examine 6 row ft. at several locations in the field. When stink bugs average 1 or more/6 ft. of row, feeding can cause excessive loss of squares and small bolls and may stain lint. Examine about 50 bolls (size of a quarter) for stink bug feeding. If 20 percent of small bolls have evidence of internal feeding (callous growth on internal boll wall and/or stained lint) and stink bugs are present then treatment should be considered. Some insecticides for **brown stink** bug are: Orthene 75 S @ 16 ozs./acre, Orthene 90 S @ 14.2 ozs./acre, Orthene 97 S @ 12 ozs./acre, Bidrin 8 E @ 8 ozs./acre, methyl parathion 4 E @ 1

- 2 pts/acre, Vydate 3.77 C-LV @ 12 - 17 ozs./acre. A partial list of some insecticides for green stink bug and others are those listed above as well as: Baythroid XL @ 1.6 - 2.6 ozs. /acre, Karate 2.08 @ 1.6 - 2.56 ozs. /acre and Mustang Max 1.5 E @ 2.8 - 3.8 ozs. /acre.

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