

PEST MANAGEMENT NEWS

NEWS ABOUT INTEGRATED PEST MANAGEMENT FOR PRODUCERS IN RUNNELS-TOM GREEN COUNTIES

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GENERAL SITUATION

It's time for a rain. Hot, dry conditions continue but the weathermen have begun giving us small chances for thunderstorms. Pray For Rain. Scouts started on a regular schedule this week and reports should be available at your respected gin. Cotton fleahopper numbers seem to be on the rise and several fields have required treatments. Cotton aphids are also increasing in some cotton fields and should be monitored closely.

SCOUT SCHOOL

Scout School went very well this year and I want to thank Richard Percival with Delta and Pine Land Company and Clint Warren with Monsanto for co-sponsoring an evening meal. We certainly appreciate their support of the cotton scouting programs in West Texas.

SCOUT SAFETY

It is of the utmost importance that the scouts are not unnecessarily exposed to insecticides before the re-entry interval has passed. Please let me know if you are spraying one of the fields in the survey scouting program. Thanks.

COTTON FLEAHOPPERS

Fleahopper infestations ranged from 0 to 53 fleahoppers per 100 terminals. Square sets ranged from 62 to 94% square retention. Fleahoppers are not the only reason for poor square sets in some situations. Some fields have not fully recovered from the weather related damaged caused a month ago. So keep this in mind when making treatment decisions. The decision to apply an insecticide should be based on the number of fleahoppers present, the squaring rate and the percent of square set.

During the first week of squaring, the economic threshold is 25 to 30 cotton fleahoppers per 100 terminals combined with less than 90 percent square set. In the second week of squaring, the economic threshold is 25 to 30 cotton fleahoppers per 100 terminals combined with less than 85 percent square set. Starting with the third week of squaring up to first bloom, the economic threshold is 25 to 30 cotton fleahoppers per 100 terminals combined with less than 75 percent square set.

Some insecticides recommended for cotton fleahopper control would include:

Insecticide	Rate	Cost per Acre
Intruder®	0.6 ounces	\$5.10
Centric®	2.0 ounces	\$10.00
Trimax®	1.5 ounces	\$7.02
Bidrin®	3.0 ounces	\$2.46
Orthene 90S	4.0 ounces	\$2.40
Dimethoate	8.0 ounces	\$2.16

COTTON APHIDS

Well I thought the hot dry weather conditions would suppress cotton aphid reproduction but it fooled me. Aphid colonizations continue to increase in some fields and several fields in both Runnels and Tom Green counties have required treatment. Fields which were slow coming up or received damage during the previous rainfall events and cotton fields with skippy/thin plant stands, are most susceptible. These fields are where most of the cotton aphid problems are occurring. Insecticide control should be delayed until infestation exceeds 50 aphids per leaf. Fields which have aphid colonization should be monitored regularly to determine whether populations are increasing, decreasing, or staying about the same and whether or not natural enemies are doing their part in reducing aphid numbers. Recommended insecticides for aphid control include: Intruder®, Bidrin®, Centric®, or Trimax®.

GRAIN SORGHUM

Area sorghum fields are showing signs of heat stress. Growth has slowed and headworm infestations remain very low. We may sneak by this first generation of bollworms (headworms) without having much problems. A few conchuela stink bugs can also be found but not at treatable levels.

Heat Accumulations

Rowena

Wall

Heat Accumulations		Rainfall		Heat Accumulations		Rainfall	
Planting Date	June 27	January	0.46	Planting Date	June 27	January	0.58
May 01	882.1	February	4.57	May 01	901.0	February	2.46
May 15	767.0	March	3.43	May 15	785.1	March	3.88
June 1	525.9	April	0.06	June 01	501.3	April	1.24
June 10	353.9	May	4.21	June 10	366.2	May	5.85
June 15	365.7	June 23	0.29	June 15	274.8	June 23	0.27

Accumulated head units (DD60s) required for developmental stages of cotton

Growth Interval	Number of Days (range)	Heat Units (range)
Planting to seeding emergence	4-9	50-60
Emergence to first square	27-38	425-475
Square to white flower 2	0-25	300-350
Planting to first flower	60-70	775-850
White flower to open boll	45-66	850
Planting to cutout	80-100	1,000-1,600
Planting to harvest	130-170	2,600
Between nodes:		
Up the main stem	2-34	0-60
Out of the branch	5-7	80-120

**TURNROW MEETINGS & DAILY
INSECT REPORTS**

TURNROW MEETINGS next week will be on Tuesday, July 05 at the Wall Coop Gin starting at 9:00 a.m. The second turnrow meeting is Wednesday, July 06 at the Ballinger Coop Gin starting at 8:30 a.m.

THE DAILY INSECT REPORT will begin Tuesday, July 5th with the number remaining the same as in the past, 325-365-2642.

Pink Bollworm Traps

	Runnels 6/22	Runnels 6/30	Tom Green 6/23	Tom Green 6/28
Trap 1	72	72	34	38
Trap 2	22	29	26	133
Trap 3	40	37	42	33
Trap 4	24	22	7	22

CONSERVATION TILLAGE TOUR

DATE: July 7, 2005
TIME: 8:30 a.m.
PLACE: Dennis Minzenmayer and Charles Waller Farms 1 mile South of Hatchel on U.S. 83 or 6 miles North of Ballinger

8:30 a.m. Examine Soil Profiles of Conventional Tillage & No-Till Fields
Mr. Rusty Dowell, NRCS
Infiltration in Various Soil Profiles
Mr. Rusty Dowell, NRCS
Demonstration of Strip-Till Equipment in Cotton/Wheat Rotation
Mr. John Lange, Porter Henderson Implement Company

10:30 a.m. Old St. Mary's Hall, Ballinger
Managing Cotton Root Rot
Dr. Tom Isakeit, Texas Cooperative Extension
Conservation Programs-EQIP, WHIP, CCRP, CSP
Mr. Ronnie Vanicek-NRCS
Nutrient Management in Conservation Tillage
Mr. Ronnie Vanicek, NRCS
Announcements from Farm Service Agency
Mr. Byron Bauerlein, Farm Service Agency
Evaluations
Mr. Rick Minzenmayer, Texas Cooperative Extension

11:30 a.m. Barbeque Lunch by Dave's Catering-Courtesy of Porter Henderson Imp. Co., Ballinger
National Bank, 1st National Bank of Ballinger and Bigham Brothers Equipment

1:00 p.m. Larry Schwertner Farm
Fertility Demonstration in Grain Sorghum
Mr. Larry Schwertner
Mr. Rick Minzenmayer, Texas Cooperative Extension

The Conservation Tillage Tour is sponsored by the Southern Rolling Plains Cotton Growers Association, Texas Cooperative Extension, Natural Resources Conservation Service (NRCS), Runnels County Crops Committee, and the Runnels Soil and Water Conservation District.

CEU's will be given to those who attend the entire program.