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# PEST MANAGEMENT REPORT

NEWS ABOUT INTEGRATED PEST MANAGEMENT IN GLASSCOCK, REAGAN AND UPTON COUNTIES

## GENERAL SITUATION

Rainfall varied from 0-1" this week. Cotton is progressing fairly well this week with higher temperatures but we are running a little below normal. Bollworm activity is the major insect activity seen this week with some fields requiring treatment.

## SCOUTING PROGRAM

Five scouts have now returned back to high school and the other three will work one more week so the scouting schedule will be more sporadic. You need to get out and check the fields you are concerned with.

## BOLLWORM

Activity increased over the past week in area fields.

- Bollworm eggs ranged from 0-8,000 per acre or 0-18 per 100 plants.
- Small worms ranged from 0-10,000 per acre or 0-25 per 100 plants.
- Medium worms ranged from 0-7,500 per acre or 0-15 per 100 plants.

Worm activity varies greatly in different fields. Some are requiring treatments while others are just at or below thresholds. Treatments being applied are pyrethroids or Tracer®. The pyrethroids are being used if worm numbers are higher and sizes are bigger. Egg and small worm numbers seem to be slacking off some later in the week. We have seen many worms that are in bloom tags and small bolls which make them more difficult to control.

## BOLL WEEVILS

Punctured squares counts up to 4% were found in a field northwest of Garden City. We should expect an increase in the next several weeks in some fields.

## PINK BOLLWORMS

Percent infested bolls ranged from 0-15% this week with a few more fields showing some infestation. You should be cracking bolls and checking for pink bollworm in non-Bt fields.

The threshold is 10-15% infested bolls. Treatment with a mist blower on field perimeters has lowered trap catches to near zero on one farm.

## APHIDS

Aphids are increasing slightly but in general are still light. You can find plants that have or have had high numbers but predators are cleaning them up. The threshold for aphids is an average of 50 aphids per leaf.

Products of choice for aphid control are Intruder®, Trimax® and Centric®.

## KEY PREDATORS

Lace-wing larvae, pirate bugs, spiders and big eyed bugs ranged up to 22,000 per acre in area fields. They are helping hold some worm infestation to tolerable levels. Syrphid flies and lady bugs are helping hold aphid population down.

## STINK BUGS

Numbers remain light but I would continue to watch for possible migration into cotton fields especially near

pastures.

### PECAN WEEVIL

Emergence of pecan weevil has probably begun with the good moisture situations but management needs to be timed to the gel stage in your earlier developing varieties. This normally occurs around the 20<sup>th</sup> of August. Sevin® 80S is the product of choice on pecan weevil. A second application 10-14 days after the 1<sup>st</sup> is necessary and possibly a third application.

### HEAT UNITS

Heat units averaged 19 per day the past week. Heat units since 5-1, 5-15, 6-1 and 6-15 are compared with last year and a five year average in the table below.

DATE	5/1	5/15	6/1	6/15
2004	1921	1776	1450	1133
2003	1960	1705	1463	1226
5 YEAR AVERAGE	2021	1820	1530	1256

### RAINFALL

Rainfall amounts for the months of January through July are included in the table below.

	St. Lawrence	Garden City	Midkiff
January	0.80	0.48	.78
February	0.55	1.15	.46
March	1.70	1.66	1.95
April	1.98	1.67	2.04
May	0.05	0.12	0.04
June	4.29	2.58	1.18
July	1.27	1.05	1.78

### WEATHER DATA

Weather data for the past two weeks is included in the table that follows:

DATE	HIGH TEMP	LOW TEMP	RAIN	AVG WIND SPEED	AVG SOIL TEMP
7/28	83	68	.01	6	77
7/29	83	64	0	4	78
7/30	91	63	0	2	79
7/31	93	65	0	4	81
8/1	91	69	0	4	81
8/2	93	68	0	5	81
8/3	95	70	0	6	81
8/4	95	68	0	6	82
8/5	96	66	.09	4	81
8/6	98	70	0	6	82
8/7	91	68	0	6	82
8/8	89	67	0	6	82
8/9	90	67	0	4	82
8/10	93	63	0	2	81
8/11	86	64	0	6	81

### TURNROW MEETINGS

Tuesday, Aug 17 9:00 Glasscock Coop

Wednesday, Aug 18 9:00 Midkiff Coop

Tuesday, Aug 24 9:00 Glasscock Coop

Wednesday, Aug 25 9:00 Midkiff Coop - Cancelled due to conflict

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