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PEST MANAGEMENT REPORT

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

GENERAL SITUATION

Rainfall this week ranged from 0-1.5 inches. Many fields continue to be irrigated where rainfall was less. Bollworms continue to be the major insect pest occurring now. Aphids are increasing in several fields. We have reached the time that pinhead square will have a difficult time making a harvestable boll, so we need to protect what fruit we have.

SCOUTING PROGRAM

The insect scouts are all going back to school next week. With the late crop, you are going to have to continue scouting many fields for another several weeks. The scouts did an excellent job and if you see them, I know they would appreciate a compliment.

BOLLWORMS

Eggs ranged from 0-20,000 per acre or 0-60 per 100 plants.
Small worms ranged from 0-40,000 per acre or 0-104 per 100 plants.
Medium worms ranged from 0-5,000 per acre or 0-12 per 100 plants.

We have now seen substantial bollworm activity for 3 weeks or more. The heavier egg-lay in this report was seen late last week and is lower now. The high small worm numbers are being found in some fields this week.

Several of the high numbers are in Bt cotton. After checking in a couple of days, control seems to be adequate. This may not be true in all fields, so you must check them all closely.

Control with pyrethroids has been good in most fields so far. I expect some increase in bollworm egg-lay again the 15th-20th of August.

APHIDS

Populations are increasing some especially in those fields treated for boll weevils, bollworms or both. The economic threshold is 50 aphids per leaf. You should walk through fields checking random leaves from the top, middle, and bottom of plants.

A couple of fields have been sprayed this week. Several products that are labeled for aphid control are Intruder[®], Centric[®], Trimax[®], Provado[®], and Bidrin[®].

PINK BOLLWORMS

Trap catches ranged from 3-26 moths per night. The higher catches were found west of St. Lawrence, along Highway 137 and at the intersection of 2401 and Highway 1357.

Infested boll counts up to 5% were found by scouts. If you have non-Bt cotton, you should be checking for pinky infestation in bolls.

TURNROW MEETINGS

Tuesday, August 16	9:00 am Glasscock Coop
Wednesday, Aug 17	9:00 am Midkiff Coop
Tuesday, August 23	9:00 am Glasscock Coop 1:30 pm Midkiff Coop

PECAN WEEVILS

Emergence of weevils is occurring now with the rainfall events, but the nut stage for weevil egg-laying has not arrived for most varieties. We have seen some Pawnees, which are some of the earliest pecans nearing the gel stage.

Adult weevils will feed on nuts in the water stage and cause nut loss. Once nuts reach the gel stage, they are suitable for egg-laying. When nuts reach the gel stage and weevils are present, begin treatments with Sevin® 80S at 1.25-3 lbs per 100 gals. Continue treatment at 7-10 day intervals if weevils are present.

STINK BUGS

Stink bugs still seem to be scattered at lower numbers, but do not let your guard down. Check quarter-sized bolls for damage and shake plants to look for adults.

BEET ARMYWORMS

No major outbreak yet, but I have heard of some activity in North Glasscock and Howard counties. Watch for egg masses and worm activity.

BOLL WEEVIL ERADICATION

Below is some information on the Boll Weevil Eradication program through the week of August 5th.

	North Glasscock	Midkiff	Central St Lawrence	Reagan County
	201	202	203	204
Weevil Captures Per Trap This Week	.0769	.0029	.0558	.0177
Weevil Captures Per Trap This Year	.6648	.0067	.2209	.0543
Treatments This Week (ac.)	7,852	662	5,072	3,734
Treatments This Year (ac.)	31,284	1,621	11,145	12,600

HEAT UNITS

Heat units averaged 16 per day the past week. Heat units since 5-5, 5-15, 5-25, 6-5 compared with last year and a five year average in the table below.

DATE	5/5	5/15	5/25	6/5
2005	1713	1592	1435	1286
2004	1900	1762	1575	1356
5 YEAR AVG	1883	1745	1594	1407

HEAT UNITS NEEDED FOR COTTON DEVELOPMENT

Planting To:	
Stand Establishment	78
Squaring	526
First Bloom	1064
First Open Boll	1641
95% Mature Bolls	2271

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	SOIL TEMP
7/28	76	61	.09	3	79
7/29	79	65	.87	2	78
7/30	89	65	0	2	78
7/31	90	65	0	2	80
8/1	87	65	0	3	81
8/2	90	63	0	2	81
8/3	91	64	0	5	82
8/4	89	63	0	4	82
8/5	82	67	.02	4	81
8/6	86	61	0	2	81
8/7	87	65	.11	5	81
8/8	89	66	.37	6	81
8/9	89	65	.01	5	80
8/10	87	63	0	3	80

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