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PEST MANAGEMENT REPORT

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

GENERAL SITUATION

Cotton ranges from 4 true leaves to match-head squares. Rainfall and cooler temperatures have returned to the area with amounts from 0.5-5 inches falling over the past 5 days. It is very spotty across the area. Fleahoppers are still the pest of most concern at this time.

SCOUT SAFETY

If you are treating the field that the scouts are checking for you, please let them know so they will not be exposed to pesticides unnecessarily.

COTTON FLEAHOPPERS

Cotton fleahoppers ranged from 0-38 per 100 terminals and square sets ranged from 71%-100%. The older fields have the higher numbers, which is generally what we see because they have been squaring longer and numbers have built up. Control measures have been applied in several fields across the area. If yours needs treatment, don't delay because significant yield & time loss can occur.

The economic threshold is 25-30 fleahoppers per 100 terminals and the square set drops below 90% the 1st week of squaring, 85% the 2nd week and 75% the 3rd week.

STINK BUGS

The scouts are finding several stink bugs in cotton fields. Most are the smaller, green version and not the conchuela that we see later. They should not be causing danger now, but when small bolls begin to set, we will need to watch closely for stink bug infestations.

COTTON FRUITING

Some varieties such as Fibermax 9160 B2RF do not begin to fruit until the 9th to 10th node. We are not seeing damage or missing squares, they just do not begin fruiting until later nodes. This same thing happened last year, but fruiting and yield turned out good. Do not mistake this for fleahopper damage.

COTTON APHIDS

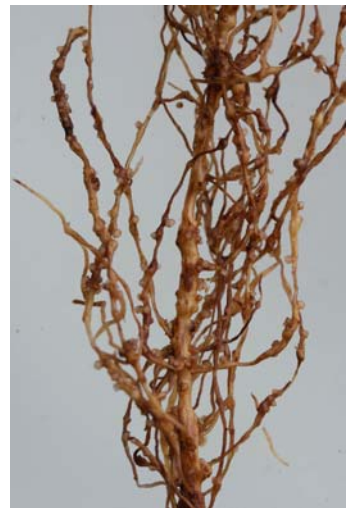
Aphid populations seem to have subsided from a week ago. That is what usually happens this time of year, but they seemed to persist longer this year in some fields.

NEMATODES

As mentioned in last week's newsletter, some high populations of root-knot nematodes were found in several fields. A picture showing nematode damage to cotton roots is shown here. Several more fields have also been located. It is hard to tell how wide-spread the problem is.

The best time to sample for nematodes is late in the season after they have increased to their highest levels. There is not a lot that can be done for them at this time, but if you suspect a problem in your field,

let me know. The samples I have taken do not have reniform nematodes according to Dr. Terry Wheeler and Dr. Jim Starr.



BOLLWORM EGGS

The scouts are finding an occasional bollworm egg in area fields.

BEEF CATTLE, RANGE AND WILDLIFE WORKSHOP

Enclosed is a flyer for an upcoming Beef Cattle, Range and Wildlife Workshop. 4 CEU's are available.

HEAT UNITS

Heat units averaged 20 per day the past week. Heat units since 5-10, 5-20, 5-30, 6-9 are compared with last year and a five year average in the table below.

DATE	5/10	5/20	5/30	6/9
2010	1055	923	751	519
2009	919	789	677	493
5 YEAR AVERAGE	902	800	670	468

Heat units needed for Cotton Development from the Cotton Physiology Today newsletter

Planting To:	Days	Heat Units
Stand Establishment	4-9	50 to 60
Emergence to 1 st Square	27-38	425 to 475
Square to Flower	20-25	300 to 350
Planting to 1 st Flower	60-70	775 to 850

TURNROW MEETINGS

Tuesday, July 6	9:00 am Glasscock Coop
Wednesday, July 7	9:00 am Midkiff Coop
Tuesday, June 13	9:00 am Glasscock Coop
Wednesday, July 14	9:00 am Midkiff Coop

RAINFALL 2010

MONTH	ST. LAWRENCE	GARDEN CITY	MIDKIFF
JAN	1.08	1.2	1.2
FEB	1.62	1.9	1.1
MAR	0.34	0.8	0.7
APR	2.69	3.2	3.7
MAY	0.56	0.54	0.97
TOTAL	6.29	7.64	7.67

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
6/17	94	70	0	16	81
6/18	99	75	0	13	81
6/19	99	75	0	12	82
6/20	99	74	0	11	82
6/21	100	73	0	13	82
6/22	102	74	0	12	82
6/23	98	69	0	9	83
6/24	97	70	0	5	83
6/25	95	69	0	8	83
6/26	98	69	.01	10	82
6/27	94	69	.53	9	82
6/28	85	68	0	7	80
6/29	86	69	.97	8	79
6/30	80	68	.56	8	77

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