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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 .2-1 inch across the area. Wind gusts up to 93 mph were recorded on Wednesday morning early and ragged the cotton more and leaned it all to the south. Cotton ranges from 2 true leaves to match head sized squares. Much of the May planted cotton has begun to square so fleahoppers are the insect of most concern.

## SCOUT SAFETY

If you are spraying the field the scouts are checking with an insecticide, please contact them or me so they will not be unnecessarily exposed to chemicals. Thanks for your cooperation.

## COTTON FLEAHOPPERS

Fleahoppers ranged from 0-23 per 100 plants and percent square sets ranged from 74-100%. Most of the mid to late May planted cotton has just begun to square and fleahopper numbers remain low and square sets are high. We need to continue scouting and treating if necessary to avoid more delay in maturity. The economic threshold for fleahoppers is 25-30 fleahoppers per 100 terminals in combination with square sets dropping below 75%.

Some suggested insecticides for fleahopper control are Orthene<sup>®</sup>, Bidrin<sup>®</sup>, Dimethoate<sup>®</sup>, Centric<sup>®</sup>, Intruder<sup>®</sup> or Trimax<sup>®</sup>.

## CONCHUELA STINK BUG

We had a mistake last week in the stink bug section. These greyish-black shield shaped bugs with orange markings have been found in fairly high numbers in late wheat, barley and oats across the area. Some grain sorghum has begun to head out and they will probably move there next and feed on developing grain. They will not cause problems in cotton until we start setting bolls,

but we may want to keep a watch on their activity.

## BOLL WEEVIL

No Weevils were caught this week and no acreage has required treatment.

### 2007 MARKETING WORKSHOP LOOKING AT '07 AND '08 MARKETING ALTERNATIVES FOR COTTON & GRAIN

MONDAY, JULY 9, 2007

6:30 PM

GLASSCOCK COUNTY COMMUNITY CENTER

MEAL @ 6:30

WORKSHOP IMMEDIATELY FOLLOWING  
RSVP BY FRIDAY JULY 5 TO 432-354-2477

Speakers:

Dr. John Robinson, Cotton Mktg Specialist  
Bill Thompson, Dist Economist  
Wade Polk, Risk Mgmt Specialist

## COTTON FERTILITY

Many have been asking about knifing fertilizer in now. You should be done with all knifing by 1/3 growth square stage so the plant has time to rejuvenate roots and pick up fertilizer by bloom which is the peak use.

I am suggesting applying around 100-120 lbs of 32-0-0 on the dryland if you plan to fertilize. We pulled an extremely large crop off in '05 and some of you also pulled a lot of hay off late last year. From previous tests on dryland and furrow irrigated fields, we didn't show much response to additional Phosphorus applications.

The drip irrigated fields are a different story. Phosphorus applications have shown big yield increases in several instances.

Some people are concerned about starting water in drip to apply fertilizer. If you don't have much applied, I would start the drip and apply some fertilizer now.

### GLYPHOSATE HERBICIDE

Some people are asking about late applications of Glyphosate herbicide on regular Roundup Ready® cotton. Damage can be extremely variable. Tests on the high plains showed a reduction in yield 2 out of 3 years from 5-19% with applications made after the 5<sup>th</sup> true leaf is 1 inch in diameter. The later you wait, the more chance of yield loss. If you have a field that you may lose to weeds, the label states you can make a rescue application, but yield may be reduced.

### COTTON GROWTH

Producers are concerned with the progress of this year's cotton crop and heat units accumulated so far. We are behind average as seen in heat units, but looking back at the June 30<sup>th</sup> 2005 (Record Crop) newsletter, I reported that cotton was ranging from 2 true leaves to ½ grown squares with the majority of fields just beginning to square. We are not that far behind. It all depends on the rest of the season.

#### TURNROW MEETINGS

Tuesday, July 3	9:00 am Glasscock Coop
Wednesday, July 4	9:00 am Midkiff Coop
Tuesday, July 10	9:00 am Glasscock Coop
Wednesday, July 11	9:00 am Midkiff Coop

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### HEAT UNITS

Heat units averaged 17 per day the past week. Heat units since 5-15, 5-25, 6-4 and 6-14 are compared with last year and a five year average in the table below.

DATE	5/15	5/25	6/4	6/14
2007	610	547	407	237
2006	887	718	527	296
5 YEAR AVERAGE	773	628	464	269

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 <sup>st</sup> Square	27-38	425 to 475
Square to Flower	20-75	300 to 350
Planting to 1 <sup>st</sup> Flower	60-70	775 to 850

### 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
6/14/07	88	64	0	7	78
6/15/07	89	62	.01	7	78
6/16/07	81	64	0	6	78
6/17/07	87	64	0	4	78
6/18/07	98	71	0	13	80
6/19/07	96	72	0	8	81
6/20/07	85	62	.62	8	80
6/21/07	86	61	0	7	78
6/22/07	85	67	0	9	78
6/23/07	86	65	0	5	79
6/24/07	85	67	0	6	80
6/25/07	91	69	0	7	80
6/26/07	88	73	0	9	81
6/27/07	84	64	.28	8	80