



Cotton Comments

OSU Southwest Oklahoma Research and Extension Center
Altus, OK

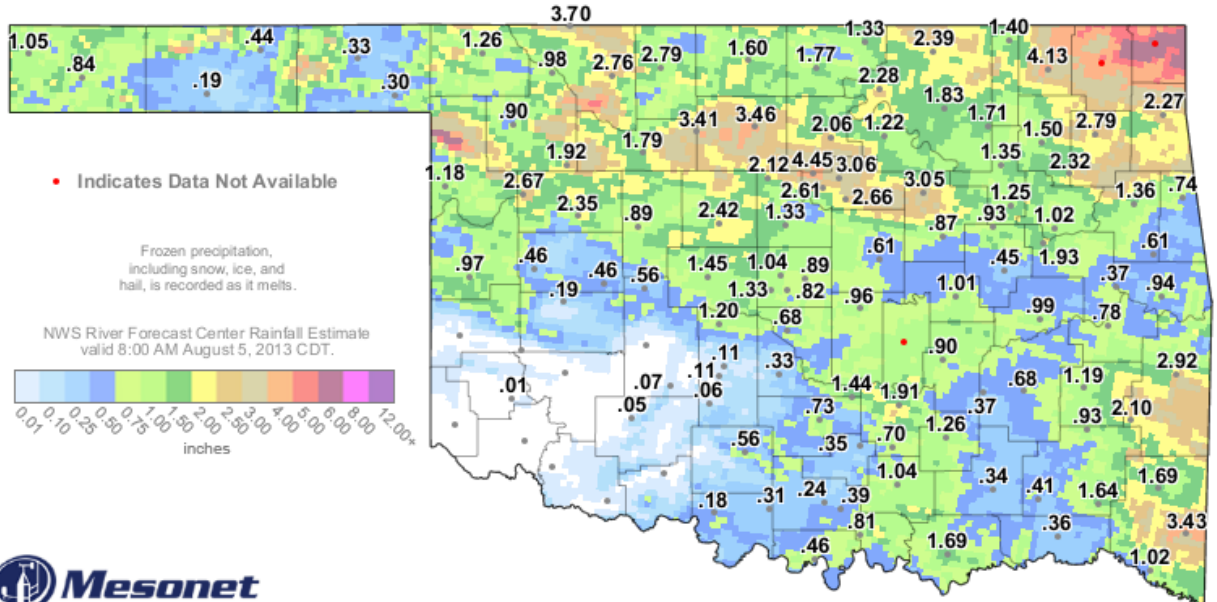


August 5, 2013

Volume 3 Edition 7

Crop Update

Most of the cotton crop is blooming or nearing bloom. Where irrigation is adequate, fields are progressing very well. Dryland fields which were planted near the final planting date for insurance purposes, as producers were waiting for rainfall, are somewhat late. Triple digit temperatures with high winds have returned to the far southwestern corner of the state for the past week or so. This has resulted in high crop evapotranspiration and is taking its toll on what soil moisture we have available. A quick look at the Mesonet precipitation map (see below) for the past 10 days indicates that although we received some timely rainfall in July, it will be necessary to obtain additional rainfall soon in order to keep crop progress moving in the right direction.



10-Day Rainfall (inches)

8:30 AM August 5, 2013 CDT
Created 8:34:12 AM August 5, 2013 CDT. © Copyright 2013

The table below summarizes accumulated heat units and cotton crop evapotranspiration (ET) for the Mesonet sites listed. These data are based on a May 20th planting date. The 3-day ET accumulations indicate that the weekend was brutal, with some days at sites in the far southwestern corner of the state resulting in nearly 0.5 inches of crop water use. This weather pattern is supposed to hold for a few more days, with forecasts at this time indicating a possible break in the 105 degree type temperatures by the end of the week. Slight rainfall chances are also noted. IF substantial rainfall is received, this is could be a “make or break” situation for the 2013 dryland crop in the southwest corner of the state. Producers with irrigation should note that for a May 20th planting date, over the past week crop water use has ranged from about 2 inches near Fort Cobb to up to 2.65 at Tipton.

	For May 20 planting date			
	DD60 heat	3-day	7-day	14-day
Location	unit accumulation	accumulated ET	accumulated ET	accumulated ET
	heat units	----- inches -----		
Altus	1681	1.33	2.65	4.60
Tipton	1686	1.37	2.63	4.49
Hollis	1634	1.30	2.66	4.56
Erick	1475	1.21	2.34	4.05
Ft. Cobb	1446	1.01	1.96	3.53

RB

Insect Update

After conversations with various consultants and conducting field surveys in nine counties this week, the insect outlook is as follows: Light infestations of pests continue. Most fields are either blooming or close to bloom. Grasshoppers are still a concern. As previously stated in Cotton Comments, grasshopper control is always best when the nymph stage is targeted and control is harder to achieve as the pest molts and matures. If questions arise, please contact this office and we can discuss the best strategy for the specific situation. Stinkbugs were observed in grain sorghum fields in eastern Tillman County. If cotton fields are adjacent to sorghum, the fields need to be scouted. If you have any questions, please contact Extension personnel. This week’s summary of surveyed counties and fields is presented below.

IPM Field Surveys in Oklahoma - Week Ending August 2, 2013

Location	Date of planting	Plant Stage	Insects	Comments
Beckham Irrigated RACE - Damron	May 21	7.5 NAWF	Grasshoppers	Growth Progress Good
Blaine Irrigated Bayer CAP - Schantz	June 11	Prebloom	Grasshoppers	Growth Progress Good
Caddo Irrigated OVT – OSU Station	May 23	7.9 NAWF	Grasshoppers	Growth Progress Good
Caddo Irrigated Dow Innovation 1st planting - Schantz	May 29	7.0 NAWF	Grasshoppers	Growth Progress Good
Caddo Irrigated Dow Innovation 2nd planting - Schantz	June 6	8.0 NAWF	Grasshoppers	Growth Progress Good
Custer Irrigated Cotton Inc Enhanced Variety - Schantz	May 21	6.75 NAWF	Grasshoppers	Growth Progress Good
Harmon Irrigated Cotton Inc Enhanced Variety - Cox	May 17	8.75 NAWF	None	Growth Progress Good
Harmon Irrigated Bayer CAP - Strawn	June 4	1/3 Grown Squares	None	Growth Progress Fair
Harmon Irrigated Bayer CAP - Horton	May 16	7.2 NAWF	None	Growth Progress Fair
Kiowa Irrigated Topguard - Anderson	May 24	7.5 NAWF	Grasshoppers	Growth Progress Good
Jackson Irrigated RACE - Darby	May 16	5.75 NAWF	None	Growth Progress Fair
Jackson Irrigated OVT - Altus Station (no water)	June 4	1/3 Grown Squares	None	Growth Progress Fair
Jackson Irrigated Monsanto FACT - Altus Station (no water)	June 5	1/3 Grown Squares	None	Growth Progress Fair
Jackson Irrigated Weed Control Trials - Altus Station (no water)	June 6	Pinhead	None	Growth Progress Fair
Tillman Irrigated RACE - McCullough	May 23	8.25 NAWF	None	Growth Progress Good
Tillman Dryland RACE - Fischer	June 14	1/3 Grown Squares	Grasshoppers	Growth Progress Good
Tillman Dryland Topguard - Fischer	June 13	1/3 Grown Squares	Grasshoppers	Growth Progress Good
Tillman Dryland Monsanto FACT - (Tipton Station)	June 11	1/3 Grown Squares	Grasshoppers	Growth Progress Good
Tillman Dryland OVT - (Tipton Station)	June 11	1/3 Grown Squares	Grasshoppers	Growth Progress Good
Washita Dryland RACE - Davis	June 4	8.75 NAWF	Grasshoppers	Growth Progress Good

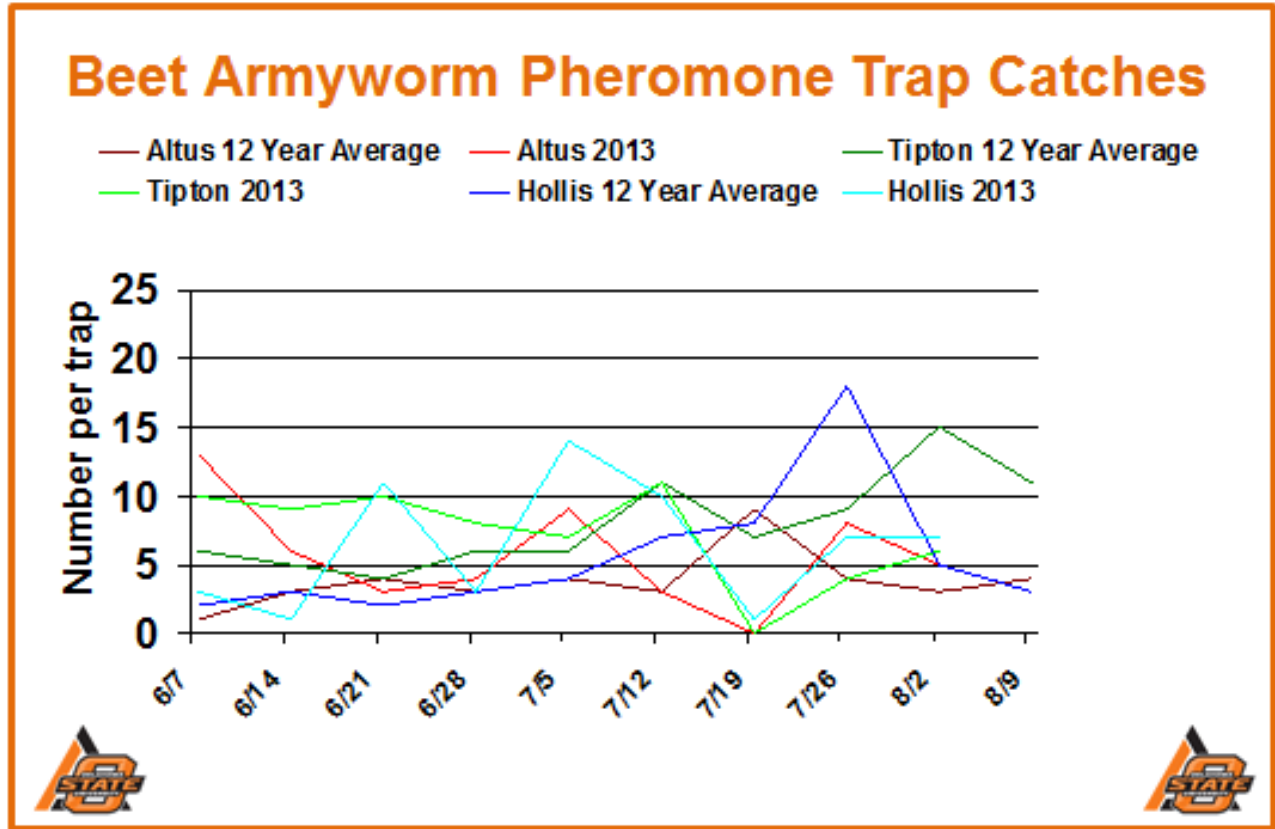
RACE – Replicated Agronomic Cotton Evaluation Trial (Oklahoma Cooperative Extension)

CAP – Cotton Agronomic Plot (Bayer CropScience)

OVT – Official Variety Trial (Oklahoma Agricultural Experiment Station, Altus, Tipton, Fort Cobb)

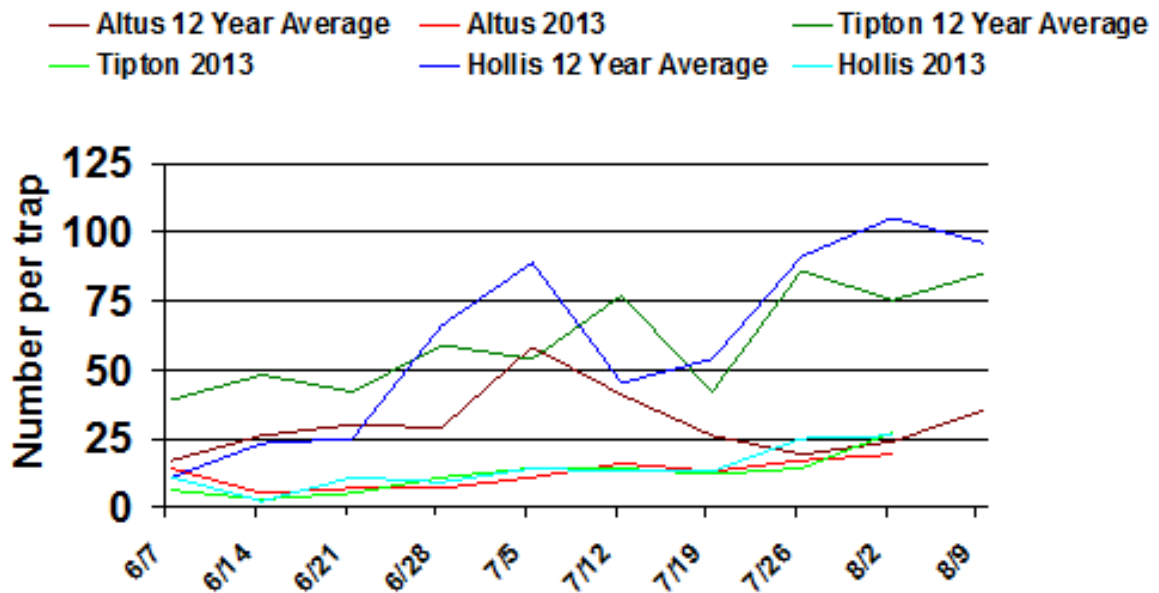
Moth Activity

All moth traps are below the 12-year average. Little activity was observed in surveyed fields.



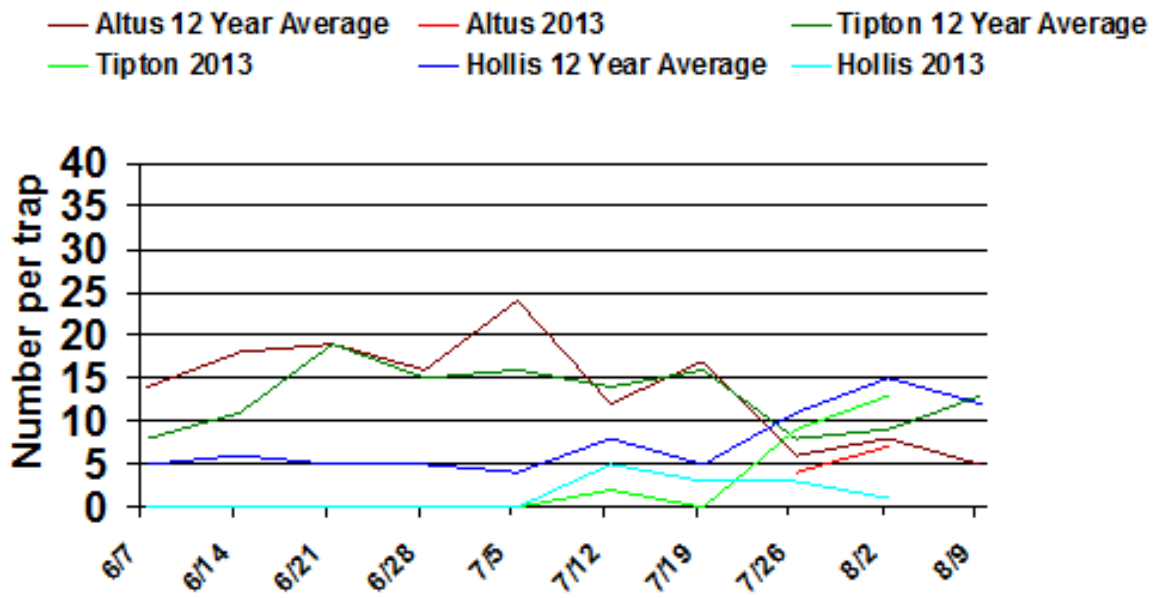
Beet armyworm moth

Cotton Bollworm Pheromone Trap Catches



Cotton bollworm moth

Tobacco Budworm Pheromone Trap Catches



Tobacco budworm moth

JG

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