

WEST
PLAINS
IPM
UPDATE

News about
Integrated Pest
Management in
Hockley,
Cochran, and
Lamb Counties
from
Kerry Siders

July 1, 2022

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CROP AND PEST SITUATION

Area crops seem to be making some progress now, at least those acres remaining. The wind has laid somewhat. The wind has been our biggest pest you might say. In cotton, most fields are squaring. Where I have seen square loss, it has been due mostly to wind, hot dry wind.

Cotton growth and development update based on irrigated IPM Scouting Program fields looks like this:

- 4.8" height (range 2.5"- 11.0")
- 8.2 total nodes (range 5.0 – 14.0)
- 0.6" per internode length (range 0.5"- 0.8")
- 1st fruiting branch at node 7 (range 5.8 – 8.3)
- 2 first position squares at positions 7 and 8 (range 0 – 1 boll w/ 8 NAWF)
- 97% square retention (range 88%-100%)

The irrigated cotton is slightly behind (7-10 days) what my notes from years past indicate at this same time. As with all averages it is made up of extremes. See the ranges beside values above. One indicator of this extreme is the fact that we have had blooming cotton in Hockley County since June 27th. Obviously, this was like April 29th planted cotton. Hopefully your fields are at or ahead of this average. We normally go into bloom with 7-9 nodes above white flower. I will use 8 for this year. There are 2 squares on average currently; will need to develop 6-7 more; one every 3 days; so that is 20 days from now. This "average" field should see first bloom on or around July 21st. Not bad. That allows for a good 24 days of bloom period. A few cotton producers will be ahead of this timeline and others may not see 1st bloom until late July even 1st of August. This late first bloom really narrows the window which allows cotton to have a high probability of developing a bloom into a mature harvestable boll. If the weather trend would change soon (July 15-20) for moderate temperatures (high 95, low 65 degrees F), wind speeds less than 10 mph, and general soaking rains then prospects improve markedly.

I have detected a very low number of fleahoppers in cotton and a cotton bollworm egg lay this past week. Nothing at treatable levels, but only a mention to heighten your awareness of potential issues which require someone scouting fields. Here is an excellent publication from Dr. Suhas Vyahare, Extension Cotton Entomologist, Lubbock: http://lubbock.tamu.edu/files/2017/06/Cotton-fleahopper_ENTO073.pdf
Also, the following link is of a video I made a couple years ago which may be of help: <https://www.youtube.com/watch?v=epVctkRkTHs>



Volunteer cotton robbing planted crop of space, nutrients, and precious soil moisture, 2022.



Excellent results of cultivating out both weeds and volunteer cotton, 2022

West Plains IPM Update is a publication of the Texas A&M AgriLife Extension Service IPM Program in Hockley, Cochran, and Lamb Counties.

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Cooperating



UNWANTED OR SURPLUS AGRICULTURAL PESTICIDES?

DISPOSE OF THEM PROPERLY AT **NO COST** AND STAY IN YOUR VEHICLE

Moore County Gin, 11800 US HWY 287 North, Dumas, Texas 79029

ACCEPTED ITEMS INCLUDE:

- Outdated, discontinued or unwanted agricultural pesticides
- Insecticides
- Herbicides
- Fungicides
- Rodenticides
- Nematicides
- Growth Regulators
- Empty, Triple-Rinsed Plastic Pesticide Containers (55 gal. max)
- Empty or Partial Metal Drums

PESTICIDES MUST BE KEPT IN ORIGINAL CONTAINERS, EVEN IF THE LABEL IS NOT PRESENT.

Unknown pesticides will be sampled and identified on site.

MATERIALS NOT ACCEPTED:

- Explosive ordinances and ammunition
- Petroleum-Based Products
- Paints
- Medical Wastes
- Radioactive Substances
- Household Pesticides, Chemicals, and Waste
- Tires
- Fertilizers, Propane or Butane Cylinders
- Chlorinated Hydrocarbons
- Fumigant Canisters
- Used motor oil and other automobile fluids
- Auto Batteries
- Empty Totes
- Methyl-Bromide Cylinders
- Dioxins (2,4-5T, Silvex, TCDD, etc.)

For questions or additional information contact the Moore County Extension Office at (806) 935-2594, the Texas Department of Agriculture (TDA) Lubbock Regional Office at (806) 799-8555, or TDA Austin Headquarters at (512) 463-7622.



TEXAS DEPARTMENT OF AGRICULTURE
COMMISSIONER SID MILLER

