



# WEST PLAINS IPM UPDATE

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



June 6, 2023

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- Save the date for WTACI Mtg 9/14/23
- 2023 Cotton Scout School and Mapping Clinic etc.
- May Weather Data

### **CURRENT SITUATION**

Well, the drought is not over officially, but for most of us we have been heading in the right direction the last month. Thank you, God. Based on my National Weather Service Observations for Levelland in May we have received 3.28" of precipitation. Really nothing to brag about for spring rains. However, many parts of this and surrounding counties have had upwards of +7" during May. This weather during planting has caused delays and poor stands. The soil temperature has been good, but our nighttime temperatures have continued to hover in the mid to upper 50's. Way too cool. So, NO COMPLAINTS about the rain. However, these temperatures are what have really been slowing crop development progress. See page 4 for weather data.

The irrigated acres have mostly been planted, with some to be replanted. There are still many dryland acres which need to be planted as soon as it dries enough to get back in the field. This weather has thrown us a curve ball in the completion of planting, but I think producers will stick with cotton for as long as they can and then may divert acres to alternative crops such as grain sorghum.

Cotton stand evaluations are our priority as we visit fields. Most of our cotton acres are on 40" rows, so we generally count the number of plants in 13' of row (1/1000<sup>th</sup> of an acre). We would consider 26 plants (2 plants per foot) in that 13' space to be 26,000 plants per acre. This would be a minimum good stand on irrigated cotton. Ideally, your stand would have closer to 40,000 plants per acre or closer to 3 plants per foot. Dryland acres can dip down into the 19,000 range or 1.5 plants per row foot.

Weed pressure has really increased with these rains. As soon as planting is over and stands are established or maybe even sooner, producers need to turn their attention to weed management. Post-emerge herbicides like Roundup, Liberty, Xtend, or Enlist will need to be used along with the addition of a residual herbicide.

Thrips have been light up to this point. However, I have been seeing more activity the last couple of days in both thrips' numbers and damage to slow growing cotton. Products to consider for foliar treatments: Bidrin 8EC 1.6-3.2 oz/A, Acephate 90 Prill 2.5-3.3 oz/A, Orthene 97 2.5-3.0 oz/A, Radiant SC 4.25-8 oz/A, or Dimethoate 4E 4-8 oz/A. The threshold is 1 thrips per 1 true leaf.

## BARKER RESEARCH FARM Report – Morton



- Thanks to Dolle Barker, Todd Willingham, Scotty Simpson, and folks at Eco-Drip for repairs on the big well, the "big redo" of the drip system filters etc., and repair of drip tape leaks.
- Fili Nava with Bayer planted the grain sorghum in area 4 (NNW pivot) of the system plots on May 17; Todd Willingham sprayed RU, atrazine, + Warrant the next morning. Stand looks great.
- Dr. Wheeler and crew planted several nematode trials (May 18-23) on the west half of the drip field. A good portion of this cotton is up to good stand.
- Drs. Lewis and Burke planted several projects in spans 7 & 8 on May 24-31, and the inside dryland portion of the research area 7 (SE pivot). They started on the row spacing by population study on the east half of the drip field yesterday.
- Thanks to Ira Yates for helping Dr. Suhas and I with projects under span 6 of research area 7; and thanks to Todd Willingham for helping me plant a ThryvOn agronomic study in span 4 and a variety trial in span 3 & 5 of the research area 7.
- Todd and crew planted the conventional cotton in area 1 on May 24, before a rain. Then finished up the min, no-till areas plus the dryland corners on May 30. DP 2335 B3XF (started with outside 6 rows) and ST 4993 B3XF were alternated every 12 rows throughout the systems areas.
- WEED CONTROL: Areas where Todd applied Valor look clean. There are areas where weeds are becoming an issue quickly. Dolle has purchased a sprayer which I can use. Todd is setting it up on one of his tractors. I will spray Roundup, Liberty, or Xtend with a residual as needed in the systems and dryland corner areas.
- The rain has been a real blessing, but these cool, almost cold nights/mornings below 60 degrees are causing issues. I will do my best to keep everyone informed of the stands, thrips, and weeds during June, and then scout on a weekly basis during the season.





# IPM COTTON SCOUTING & MAPPING CLINIC SERIES

Texas A&M AgriLife Extension

Hockley, Cochran, and Lamb Cos. IPM Program

Opportunity to learn or refresh how to scout for pests and how to map the cotton plant.

1 hour IPM - TDA CEU

Cotton Scout School #1

May am

Extension office, Levelland

June 23, 9-10 am
TBA (In-field near Levelland)

Cotton Scout & Map School #3
July 21, 9-10 am
TBA (In-field near Littlefield)

Cotton Map & Harvest Aid School #4 August 25, 9-10 am Barker Res. Farm, Morton

If questions contact Kerry Siders at 806 638-5635

You will note that in the May weather data for Levelland that not until after May 17 did our nighttime low go above 60 degrees, and for only 4 nights the last couple of weeks of that month. Also, the daytime high went above 90 degrees only 5 days during the first 2 weeks of May. Historically we average 88.8 (versus 82.4 here in 2023) for the daytime high in May. The whole month of May produced 263.5 heat units. Normally it would average well over  $350 \, \text{H.U.}$  K. Siders 6/6/23

TYPE OF RIVER GAGE    ELEVATION OF RIVER   FLOOD STAGE   NORMAL POOL STAGE	NATIONAL OCEANIC AND ATMOSPHERIC ADMINIS' NATIONAL WEATHER:  RIVER AND CLIMATOLOGICAL OBSERVATIONS  RIVER STAGE  Gage Feading Freading Freading at E
TIME (local) OF OBSERVATION RIVER 07: 00 07:00 STANDARD TIME IN USE 07:00 O7:00 O7:00 O7:00 RECORD OF R  TYPE OF RIVER GAGE ELEVATION OF RIVER FLOOD STAGE NORMAL POOL STAGE  TEMPERATURE PRECIPITATION PRIVER FLOOD STAGE STAGE NORMAL POOL STAGE STAGE OF TEMPERATURE PRECIPITATION PREC	RIVER STAGE Gage
GAGE ZERO    TEMPERATURE   PRECIPITATION   WEATHER (Observation Day)	Gage
24 HR AMOUNTS AT OB Draw a straight line () through hours precipitation was observed, and a warv line Mark 'X' for all types occurring each day	Gage
24 LIBS ENDING 9 ( ~~~~ ) through hours precipitation probably occurred unobserved	For reading Some state of the s
24 HRS ENDING   Pale	
ATL ONOW, Ice pellets  William of occurrent from a cocurrent for the first find of occurrent for the first find occurrent for the first find occurrent find	ja
AT   Graph Obson   AT   Graph Ob	S REMARKS (SPECIAL OBSERVATIONS, ETC.)
1 90 45 45 0.00 0.0 0	Windy
2 78 44 49 0.00 0.0 0	
3 80 49 52 0.26 0.0 0 X	
4 83 52 60 0.41 0.0 0 X	
5 83 51 52 T 0.0 0	Fog and mist yesterday morning after rain
6 88 52 53 0.00 0.0 0	Breezy
7 87 49 52 0.00 0.0 0	
8 93 52 58 0.00 0.0 0	
9 92 58 62 0.00 0.0 0	
10 93 59 59 0.00 0.0 0	
11 88 54 54 0.26 0.0 0 X	
12 83 50 51 0.00 0.0 0 1 2 3 4 5 6 7 8 9 10 11 1 2 3 4 5 6 7 8 9 10 11	
13 90 51 61 0.00 0.0 0	Breezy at times
14 62 55 57 0.47 0.0 0	Drizzle, rain, fog, breezy at times.
15 71 57 60 0.02 0.0 0	Drizzle
16 71 53 53 T 0.0 0	Drizzle
17 82 53 62 0.01 0.0 0	Light rain
18 86 61 63 0.27 0.0 0 X	
19 83 60 60 0.02 0.0 0 X	Light rain
20 78 54 54 T 0.0 0	
21 76 54 56 0.00 0.0 0	
22 79 56 59 T 0.0 0 1 2 3 4 5 6 7 8 9 10 11 1 2 3 4 5 6 7 8 9 10 11 X	Haze from smoke
23 86 59 61 T 0.0 0	
24 89 59 61 0.02 0.0 0 X	
25 81 56 58 0.56 0.0 0 X	
26 80 58 63 0.00 0.0 0	Storms move in after 7:15 am (after ob tim
27 77 57 61 0.74 0.0 0 X	
28 73 60 61 0.15 0.0 0 X X	
29 80 56 57 0.09 0.0 0 X X	
30 83 57 61 0.00 0.0 0 W	
31 88 61 66 0.00 0.0 0	Breezy
82.4 54.6 SUM 3.28 CHECK BAR (for wire weight) NORMAL CHECK BAR	
CONDITION OF RIVER AT GAGE   READING   DATE   양 일 명 로 열 등 등	$\bigvee\bigvee\bigvee$
A. Obstructed by rough ice B. Ice gorge below gage E. Ice gorge below gage Kerry Siders	
C. Upper surface smooth ice G. Floating ice SUPERVISING OFFICE	STATION INDEX NO.
D. lee gorge above gage H. Pool stage LUB Lubbook	41-5183-01

**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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