



Partners with Nature

*The Integrated Pest Management (IPM) Newsletter
 for the Row Crops in the Lower Rio Grande Valley*

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PEST CAST

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GENERAL SITUATION: Cotton fields are drying, growers are picking, modules are rolling into the gin. Weather prospects for the next 10 days are dry.

Please see the **attached results from the harvest aid trials** conducted at the TAMU Hiler Farm. The harvest aides were applied on July 12. Included in the results are the evaluations for defoliation and desiccation on July 18, and defoliation, desiccation, terminal regrowth, and basal regrowth on July 27. Those growers who would like to view the results are welcome to visit the Hiler Farm (Directions are attached). Plot signs have been placed on the northern side of the field. If you have any questions please feel free to contact me at (956)373-6527.

Cotton plant regrowth was very obvious in most cotton fields this week. Saturated soils have put all of the valley's cotton fields in a mood to grow or regrow. Regrowth will be more difficult to tackle than the original leaves. Fields which have not be defoliated may need extra defoliation to remove the recent regrowth. Harvested fields that are awaiting chemical destruction may need extra material to kill the stalks. Low rates of defoliant or herbicide may prove to be inadequate under current conditions.

Growers need to do a **thorough stalk destruction** following harvest operations. The quicker the stalks are destroyed, the less regrowth there will be which could support boll weevil populations. The quicker the stalks are killed, the better. Stalk destruction is critical to managing boll weevils in the LRGV. Please see last weeks attachment on **Cotton Stalk Destruction with Herbicides**.

This will be the **last regular Pest Cast of the 2005 season**. We hope that the information provided has been of value and that we have provided some assistance with your farming operations. Comments about the Pest Cast are welcomed and can be sent to the mailing address, which is included in the newsletter heading, or to my email at mgcattaneo@ag.tamu.edu. I would like to hear from you and look forward to working with you again in 2006.

The **LRGV Boll Weevil Eradication Program** has provided the following trapping information from the three district offices (Harlingen, Edinburg, and Raymondville) in the LRGV Zone.

| Boll Weevil Trapping Information for the Week Ending on 7/15/05 | | | |
|--|------------------|-----------------|---------------------|
| | Harlingen | Edinburg | Raymondville |
| Total BW Captured | 41,841 | 20,355 | 42,057 |
| Total Traps Inspected | 1,704 | 1,129 | 1,759 |
| Avg BW / Trap Inspected | 24.55 | 18.03 | 23.91 |

| Boll Weevil Trapping Information for the Week Ending on <u>7/22/05</u> | | | |
|--|-----------|----------|--------------|
| | Harlingen | Edinburg | Raymondville |
| Total BW Captured | 0 | 3,280 | 1,847 |
| Total Traps Inspected | 0 | 406 | 64 |
| Avg BW / Trap Inspected | 0 | 8.07 | 28.86 |

| Cotton <u>H</u> e <u>a</u> t <u>U</u> n <u>i</u> t Accumulation Table | | | |
|---|-------------|----------------|-------------|
| Planting Dates | Accum. H.U. | Planting Dates | Accum. H.U. |
| 2/15 | 2994 | 3/15 | 2744 |
| 3/01 | 2864 | 4/01 | 2550 |

| Extension Boll Weevil Traps - No. of Boll Weevils per trap per day. | | | | | | | | | | | | | | | | |
|---|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| Fld # | Location | Week | | | | | | | | | | | | | | |
| | | 4/4 | 4/11 | 4/18 | 4/25 | 5/2 | 5/9 | 5/16 | 5/23 | 5/30 | 6/6 | 6/13 | 6/20 | 7/4 | 7/11 | 7/25 |
| 1 | Northeast Weslaco | 3.04 | 1.17 | 2 | 0.38 | 0.45 | 0.03 | 0.14 | 0.02 | 0.02 | 0.04 | 0.81 | 0.11 | 0.84 | 16.84 | 1.85 |
| 2 | East of Delta Lake | 9.75 | 9.87 | 5.81 | 2.10 | 1.32 | 0.17 | 0.6 | 0.17 | 0.23 | 0.06 | 0.11 | 0.07 | 0.21 | 0.43 | 1.6 |
| 3 | FM 490 & FM 2099 | 0.83 | 0.43 | 0.2 | 0.10 | 0 | 0 | 0.17 | 0.03 | 0.19 | 0 | 0.14 | 0.19 | 1.34 | 22.48 | 18.37 |
| 4 | Harlingen Airport | 7.5 | 2.97 | 2.55 | 0.78 | 0.67 | 0.07 | 0.14 | 0.16 | 0.38 | 0.10 | 0.14 | 0.48 | 1.78 | 11.31 | 8.31 |
| 5 | SE of Rangerville | 7.36 | 5.17 | 4.93 | 0.62 | 1.26 | 0.07 | 0.28 | 0.07 | 0.2 | 0.06 | 1.64 | 0.17 | 1.02 | 7.67 | 4.31 |



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