

MID-COAST IPM NEWS

Calhoun

Refugio

Victoria

Stephen Biles
 Extension Agent-IPM
 186 CR 101 • P.O. Box 86
 Port Lavaca, TX 77979

Office: 361-552-3324 • Mobil: 361-920-1138
 E-mail: biles-sp@tamu.edu
 Website: <http://ipm.tamu.edu>
 or <http://calhoun-tx.tamu.edu>

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Cotton

Insect pests being found are stink bugs and leaf-footed bugs. The leaf-footed bug will have the same economic threshold as stink bugs. Treatment is warranted when evidence of feeding is apparent in 20% or more 10 day old bolls.

Another issue to keep in mind is the probability of harvesting insect susceptible bolls. Since it takes 45-50 days to mature a white bloom into an open boll, bolls that bloomed after July 15 will not likely make it into the basket if harvest is completed by the end of August.



Cotton is “safe” from bollworms when the crop reaches 350 Heat Units (HU). A field is safe from stink bugs 450 Heat Units (HU) after 5 NAWF.

Table 1. Heat Unit Accumulation for the specified dates.

| | Heat Unit Accumulation |
|-------------------|------------------------|
| June 20 – July 22 | 688.5 |
| June 25 – July 22 | 593 |
| June 30 – July 22 | 458.5 |
| July 5 – July 22 | 389 |
| July 10 – July 22 | 280.5 |
| July 15 – July 22 | 160 |
| July 20 – July 22 | 62 |



Soybeans

Stink bugs and Soybean Rust are two reasons to consider treating your fields with a pesticide. However, this depends on the growth stage of your crop and severity of the pest.

When seeds in the top of the plant begin to yellow, the bean is relatively safe from economic damage caused by stink bugs. In these fields, if the stink bug population is above the treatment threshold, treatment is only necessary if the numbers of stink bugs are extremely high, or 2-3 times the threshold of 36 bugs per 100 sweeps.

Fields with beans that fill the pod in the top of the plant, or R6, are past the damage window for soybean rust. Younger beans should be treated with a fungicide for rust control.

Pre-Harvest Intervals

Keep in mind that all of the pesticides have a pre-harvest interval (PHI). The number of days before harvest will vary between the pesticides and can be found on the label. PHI for pyrethroids tend to range from 21 to 45 days while fungicide PHI range from 14-42 days.

Table 2. Pre-Harvest Interval for the use of various insecticides in Soybeans.

| Insecticide | Pre Harvest Interval (PHI) in soybeans |
|------------------|--|
| Karate with Zeon | 30 |
| Warrior | 30 |
| Mustang Max | 21 |
| Baythroid XL | 45 |
| Orthene 90S | 14 |

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