



## *Cotton/Soybean Insect Newsletter*

Volume 4, Issue #17

Edisto Research & Education Center in Blackville, SC

3 September 2009

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### **The Edisto Fall Field Day – Big Success Today!**

We had over 300 participants today. Attendance was excellent, and the weather was perfect.

### **Pest Patrol Hotline**

A summary of current problems with insects is available this season via a toll-free hotline. Simply call the free number **(877) 285-8525** and select the messages you would like to hear. I will update the short message weekly for at least as long as the newsletter runs. The hotline is sponsored by Syngenta.

### **Cotton Situation**

As of 30 August 2009, the USDA NASS South Carolina Statistical Office had our progress at 97% of the bolls set, equal to where we were last year and very close to the 5-yr average of 96%. About 12% of bolls have opened, ahead of where we were last year at 6% but behind the 5-yr average of 17%. Conditions were described as 1% excellent, 50% good, 46% fair, 3% poor, and 0% very poor for the crop. These are observed/perceived state-wide averages.

### **Soybean Situation**

As of 30 August 2009, the USDA NASS South Carolina Statistical Office had our progress at about 95% bloomed, about the same as last year at 94% and the 5-yr average of 96%. About 87% of pods are set, ahead of where we were last year at 75% and for the 5-yr average of 75%. About 1% of the crop has turned color, behind that observed last year (5%) and the 5-yr average (8%). Conditions were described as 7% excellent, 46% good, 38% fair, 6% poor, and 3% very poor. These are observed/perceived state-wide averages.

### **News from Above the Lakes**

I am getting more reports of soybean loopers (SBL). Intrepid at 4 oz/acre continues to do a good job on SBL.

### **News from Below the Lakes**

Jonathan Croft, county agent covering Dorchester and Berkeley Counties, reported that he is seeing more brown stink bugs in soybeans. I am also getting more calls about SBL.

Dan Robinson and I helped Tommy Walker, county agent covering Allendale, Hampton, and Jasper Counties, count a demonstration test on fall armyworms (FAW) in non-Bt and Bollgard (DP555) cotton on Monday. I have never seen numbers of FAW at that level before. The highest numbers of FAW exceeded our treatment threshold many times over! Two product combinations were sprayed on portions of each variety, and untreated controls were left for comparison. One product combination was Brigade (gal/30 acre) + Diamond (9 oz/acre), and the other product was a premix called Voliam xpress (10 oz/acre). Both product combinations reduced

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FAW significantly. We plan to count this test again, as there were many small caterpillars and the products will likely work better over more time.

**Fall armyworm (FAW) demonstration in Hampton County, SC (August/September 2009).**

Variety/Product	Small FAW/ 36 rowft	Large FAW/ 36 rowft	Total FAW/ 36 rowft	% Control
Bt/UTC	204	67	271	-
Bt/Voliam xpress (4DAT)	11	10	21	92%
Bt/Brigade+Diamond (5.5DAT)	66	6	72	74%
Non-Bt/UTC	327	31	358	-
Non-Bt/Voliam xpress (4DAT)	24	13	37	90%

**Bollworm & Tobacco Budworm**

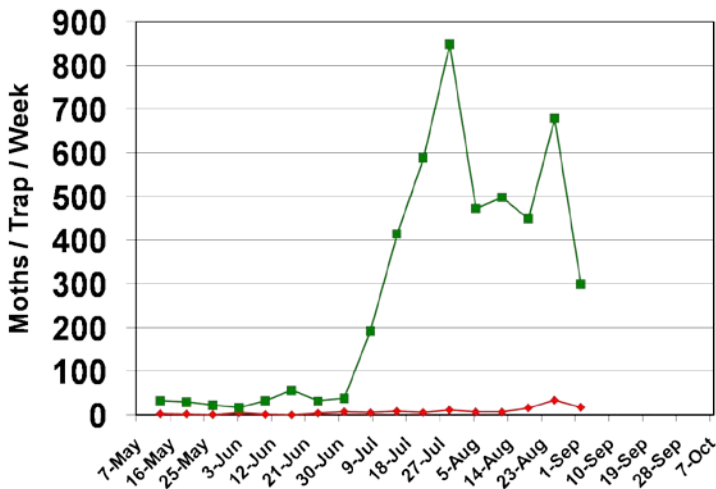


Captures of bollworm (BW) and tobacco budworm (TBW) moths in pheromone traps at EREC this season and last season are presented. The scales on the charts are the same to illustrate where we are compared with last year. We trapped almost 3,000 BW moths in 10 traps this past week to give us about 300/trap/wk. We averaged about 18 TBW moths per trap this past week. I would expect that our

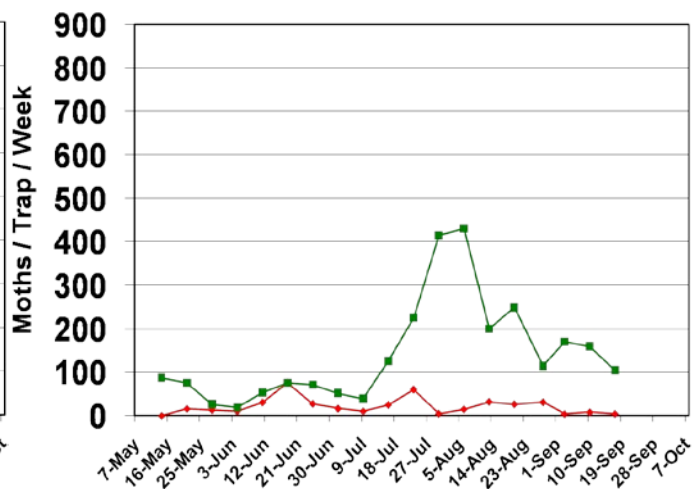
trap numbers will continue to decline, especially if the cooler nights continue. I would monitor for BW in soybeans a little longer.



**Pheromone Trap Capture SC - 2009**



**Pheromone Trap Capture SC - 2008**



**Pyrethroids Labeled/Recommended for Use in Soybeans**

Here is a listing of the pyrethroids that are labeled for use in soybeans that I recommend. Be sure to check the labels of pyrethroids that you have used in cotton to ensure that they are labeled for use in soybeans. Our Soybean Insect Recommendations (<http://www.clemson.edu/psapublishing/pages/AGRO/SL1.PDF>) will be

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appended to include the additional pyrethroids listed here. Always read the label. Labels change! Pyrethroids are good choices for bollworm, stink bugs, grasshoppers, and caterpillars other than SBL.

### Recommended pyrethroids in soybeans.

Product (pyrethroids)	REI	PHI
cyfluthrin (R) Baythroid 2 EC	12 hr	45 d
beta-cyfluthrin (R) Baythroid XL 1 EC	12 hr	45 d
lambda-cyhalothrin (R) Karate Z 2.08 CS Warrior 1 CS Silencer 1 EC Lambda-Cy 1 EC	24 hr	30 d
esfenvalerate (R) Asana XL 0.66 EC Adjourn 0.66 EC	12 hr	21 d
gamma-cyhalothrin (R) Prolex 1.25 CS	24 hr	30 d
zeta-cypermethrin (R) Mustang Max 0.8 EC	12 hr	21 d
zeta-cypermethrin (R) + bifenthrin (R) Hero 1.24 EC	12 hr	21 d
bifenthrin (R) Discipline 2 EC Brigade 2 EC Fanfare 2 EC	12 hr	14 d
<b>Premixed pyrethroids + neonicotinoids</b>	<b>REI</b>	<b>PHI</b>
imidacloprid/cyfluthrin (R) Leverage 2.7 SC	12 hr	14 d
thiamethoxam/lambda- cyhalothrin (R) Endigo 2.06 ZC	24 hr	21 d

### 2009 SC Cotton Growers' Guide, Pest Management Handbook, and Insect Control Guides

The 2009 South Carolina Cotton Growers' Guide is available from your local county office in paper copy or online at:

<http://www.clemson.edu/psapublishing/pages/AGRO/EC589.PDF>.

The 2009 Pest Management Handbook is available in limited quantities. Contact your local county office for availability. A \$10 fee might be charged for the handbook. You can also download the handbook from:

<http://www.clemson.edu/extension/rowcrops/pest/index.html>

Clemson University Publications IC97 (Cotton Insect Management) and SL1 (Soybean Insect Management) are available free from your local county office in paper copy or online at:

<http://www.clemson.edu/psapublishing/pages/ENTOM/IC97.PDF> and

<http://www.clemson.edu/psapublishing/pages/AGRO/SL1.PDF>

### Need More Information?

Log on to the following webpage to view important recommendations for cotton and soybean insect management, data, and historical cotton insect newsletters:

<http://www.clemson.edu/extension/rowcrops/>

Sincerely,

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