

North Carolina Pest News

Departments of Entomology and Plant Pathology



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In This Week's Issue . . .

CAUTION !

The information and recommendations in this newsletter are applicable to North Carolina and may not apply in other areas.

Dept. of Entomology,
North Carolina State
University, Box 7613,
Raleigh, NC 27695

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FIELD AND FORAGE CROPS

From: Jack Bachelier, Extension Entomologist

Cotton Insect Finale

Our damaged boll survey, now underway, has covered just over 100 total cotton fields in 4 counties. Trends are already evident. Not surprisingly, stink

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bug damage is off to a strong start, while bollworm damage has been extremely light. Some growers appear to have completely overlooked stink bugs as a potential threat this year while most producers appear to have managed stink bugs reasonably well.

Unfortunately, these surveys do not uncover earlier damage from thrips and plant bugs. I suspect that our independent crop consultant survey of pest-specific insecticide use, their comments and our field test results will show that both thrips and plant bugs were a headache for many cotton producers this growing season.

In all but the most unusual circumstances, insect pests such as stink bugs and bollworms should not cause economic damage from this point on (late soybeans may be another story). During the past week, I have been in a few very late, immature cotton fields with mostly squares and immature bolls. These fields would have made me nervous about potential stink bug damage to bolls a few weeks ago. In 4 recent days of assessing boll damage across Halifax, Northampton, Wilson and Wayne counties, I found only a single 3rd stage green stink bug. It appears that stink bugs have now fled even most late cotton fields in search of greener pastures – in some cases soybean fields undergoing pod fill.

With this final update, I wanted to take this opportunity to thank county agents, independent crop consultants, industry personnel, colleagues both here at North Carolina State University and elsewhere, and producers for making my 38-year career here enjoyable and rewarding. With all entomology field crops responsibility (except for tobacco) soon falling to a single individual housed two hours from North Carolina State University, I am hopeful that we can fill an extension/research position to address the many insect current and upcoming issues facing our 3.5 million acre, 1.5 billion dollar field crop industry.

From: Dominic Reisig, Extension Entomologist

Two New Websites Now Available

The North Carolina Cooperative Extension Portal is now live for both cotton (<http://cotton.ces.ncsu.edu/>) and soybeans (<http://soybeans.ces.ncsu.edu/>). This portal will be **the** go to resource for many North Carolina Cooperative Extension specialists' content regarding these crops. Cotton information previously available from Jack Bacheler at the *Cotton Insect Corner* (<http://ipm.ncsu.edu/cotton/InsectCorner/>) will be moved to the cotton portal and will be updated by Dominic Reisig in the future. Static soybean content previously accessible from Dominic Reisig at other sites is now updated and available at the soybean portal. Highlights for soybean insect management content include the updated corn earworm threshold calculator and brand new stink bug threshold calculator, with an updated sweep net threshold. These can both be accessed at the portal on this page.

Corn Earworm/Bollworm Moths are Back

Earworm/bollworm trap catches have picked up in some spots over the past week from the Sandhills through the Coastal Plain. Their abundance in the Blacklands seems to be relatively light, although, I scouted some *Bt* cotton September 13 with 27% injured bolls in an untreated cut. This is certainly the exception rather than the rule. Just down the road, I had 2.5% injured bolls in some late-planted lush

non-*Bt* cotton. The general trend for this generation of earworms is that they show up and lay eggs, but really never amount into much of anything. David Morrison, Scotland County, confirmed that the moths that he was catching were wimpy looking, probably from poor nutrition. If this is the case throughout the State, we should be in for a “normal” September for earworms. It would still be a good idea to scout any late-planted soybeans. Moths preferentially lay in tender beans, especially those that are flowering.

From: Steve Koenning, Extension Plant Pathologist, and Jim Dunphy, Extension Soybean Specialist

Soybean Rust Update: September 13, 2013

Asiatic soybean rust was confirmed from two samples from Cleveland County, North Carolina. There were pustules on 5 out of 50 leaves examined in one sample and there were numerous pustules on one leaf from the other samples. Sentinel plot samples received from Cherokee, Columbus, Johnston, Lenoir, Rowan and Beaufort counties were negative for rust. This finding is the second of rust in North Carolina in 2013. This fact puts rust close enough to much of southern and southeast North Carolina to warrant a fungicide recommendation for soybeans that have started blooming and do not yet have full sized seeds in the top four nodes of the plant. The closest confirmed rust on soybeans to our North Carolina soybeans is now approximately 25 miles from Charlotte, 210 miles from Elizabeth City, 35 miles from Fayetteville, 20 miles from Murphy, 85 miles from Raleigh, 145 miles from Washington, 155 miles from Wilmington and 95 miles from Winston-Salem, North Carolina.

Rust has been confirmed this year on soybeans in 92 counties/parishes in eight states (Louisiana, Florida, Alabama, Mississippi, Georgia, North Carolina, South Carolina and Arkansas).

Rust has progressed at a faster rate this year than in years past. With a late soybean crop, the odds of needing to apply a fungicide are increased. Now is the time to spray a fungicide in much of the state and to check spray equipment to be sure to have the proper nozzles for applying fungicides in the other parts of the state.

We do not recommend spraying soybeans that have not started blooming with a fungicide to control Asiatic soybean rust. Such pre-bloom applications have seldom improved yields. Once soybeans start blooming, we would recommend spraying **if** rust has been confirmed within 100 miles of the field.

Resources for Soybean Rust in 2013

Some sources for more detailed information on Asiatic soybean rust are listed below:

USDA soybean rust web site: <http://www.sbrusa.net/>

North Carolina Agricultural Chemical Manual: <http://ipm.ncsu.edu/agchem/agchem.html>

INSECT TRAP DATA

From: Richard W. Rhodes, County Extension Director, Bertie County

Light Trap Data from Bertie County

```

*****
                                Hexlena
                                TNT
Windsor                        Woodard      PBRS
*****      *****      *****      *****
Date          BW  GSB  BW  GSB  BW  GSB  BW  GSB
*****
July 22       1   1   -   -   -   -   0   -
July 23       -   -   -   -   -   -   0   -
July 24       0   0   0   1   -   -   0   -
July 25       0   1   0   0   -   -   -   -
July 26       0   0   NR  NR   -   -   0   -
July 27       0   0   NR  NR   -   -   0   -
July 28       0   0   NR  NR   -   -   0   -
July 29       0   0   NR  NR   -   -   -   -
July 30       3   0   NR  NR   -   -   -   -
July 31       4   0   4   0   -   -   -   -
August 1      NR  NR  NR  NR   -   -   -   -
August 2       3   0   NR  NR   -   -   -   -
August 3       4   0   NR  NR   -   -   -   -
August 4       4   1   NR  NR   -   -   -   -
August 5       6   0   5   0   -   -   -   -
August 6      NR  NR  NR  NR   -   -   -   -
August 7       4   1   5   0   -   -   -   -
August 8       5   3   NR  NR   -   -   -   -
August 9       2   1   2   0   0   4   -   -
August 10     NR  NR  NR  NR  NR  NR   -   -
August 11     NR  NR  NR  NR  NR  NR   -   -
August 12     NR  NR  3   4   9   7   -   -
August 13     5   6   9   NR  6  28   -   -
August 14     3   6   NR  NR  5   7   -   -
August 15     0   0   NR  NR  NR  NR   -   -
August 16     NR  NR  NR  NR  NR  NR   -   -
August 17     NR  NR  NR  NR  NR  NR   -   -
August 18     NR  NR  NR  NR  NR  NR   -   -
August 19     7   1   5   0  NR  NR   -   -
August 20     0   0   NR  NR  2   2   -   -
August 21     1   0   NR  NR  NR  NR   -   -
August 22     NR  NR  NR  NR  NR  NR   -   -
August 23     1   2   3   7  NR  NR   -   -
August 24     NR  NR  NR  NR  NR  NR   -   -
August 25     NR  NR  NR  NR  NR  NR   -   -
August 26     0   0   1   0   7   8  NR  NR
August 27     0   0   NR  NR  0   1  NR  10
August 28     -   -   -   -   0   7  NR  NR
August 29     -   -   -   -   -   -   -  NR
August 30     4   5   -   -   -   7   3  12
August 31     -   -   -   -   -   -   -   -
September 1   -   -   -   -   -   -   -   -
September 2   5  10   0  25   -   -   -   -
September 3   -   -   -   -   -   -   -   -
    
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September 4 12    1   27    0   -   -   -   -
September 5  -   -   25    5   -   -   -   -
*****
    
```

BW = bollworms; GSB = green stink bugs;
 NR = No Report

From: Mike Carroll, Agricultural Extension Agent, Craven County

Light Trap Data from Craven County

```

*****
                        Number of Adult Insects
*****
Date          BW    GSB    BSB    FAW    THW
*****
July 8        ----- Date Initiated -----
July 11        3     1     0     0     1
July 12        2     0     0     0     0
July 15        8     1     0     0     1
July 16        7     0     0     0     1
July 17        8     0     0     0     1
July 19        8     0     0     1     0
July 22       12     0     0     0     1
July 26       20     1     0     0     0
July 30       25     2     0     0     6
August 1      16     0     0     0     2
August 2      22     2     0     1     4
August 5      26     3     0     2     3
August 6       8     1     0     0     1
August 9      25     1     0     0     1
August 12     30     1     0     0     1
*****
    
```

BW = bollworms; GSB = green stink bugs; BSB = brown stink bugs;
 FAW = fall armyworms; THW = tobacco hornworms

Location of trap: Cove City
 Cooperators: R & W McCoy Farms and Cove City Fertilizer

From: Arthur R. Bradley, Jr., County Extension Director, Edgecombe County

Light Trap Data from Edgecombe County

```

*****
                        Number of Adult Insects
*****
West Edgecombe          Coakley          Lawrence
*****          *****          *****
Date          CEW    BS    GS    CEW    BS    GS    CEW    BS    GS
*****
July 5          -     -     -     2     3     7     -     -     -
July 8          -     -     -     1     2    20     -     -     -
    
```

July 10	-	-	-	0	0	6	-	-	-
July 12	0	1	1	2	0	6	-	-	-
July 15	0	0	0	3	0	0	-	-	-
July 17	0	0	0	4	1	8	-	-	-
July 19	1	0	0	0	0	9	-	-	-
July 22	0	1	0	0	2	10	-	-	-
July 24	0	0	0	0	0	6	-	-	-
July 26	0	0	0	6	0	0	1	0	1
July 29	2	1	0	7	1	1	0	0	15
July 31	14	0	0	5	0	0	1	0	6
August 2	18	0	0	10	0	0	0	0	6
August 5	28	1	0	10	0	0	0	0	6
August 7	16	0	0	26	0	0	0	0	2
August 9	ND	-	-	24	0	1	0	0	2
August 12	ND	-	-	26	0	2	0	0	3
August 14	8	0	2	16	0	1	0	0	13
August 16	1	0	0	19	0	0	0	0	1
August 19	0	0	1	26	0	0	1	0	0
August 21	0	0	0	2	0	0	1	0	2
August 23	0	0	2	6	1	0	0	0	2
August 26	0	0	0	5	0	0	-	-	-
August 28	0	0	1	11	0	0	0	0	0
August 30	1	0	1	-	-	-	-	-	-

Abbreviations: CEW = corn earworms; BS = brown stink bugs;
 GS = green stinks bugs; ND = No Data

From: Arthur Whitehead, Jr., County Extension Director, Halifax County

Light Trap Data from Halifax County

Date	Hobgood			Dawson			Weldon		
	CEW	GSB	BSB	CEW	GSB	BSB	CEW	GSB	BSB
July 15	NR	-	-	NR	-	-	NR	-	-
July 17	0	0	0	NR	-	-	NR	-	-
July 19	NR	-	-	NR	-	-	NR	-	-
July 22	NR	-	-	NR	-	-	NR	-	-
July 24	NR	-	-	NR	-	-	NR	-	-
July 26	1	0	0	3	0	0	NR	-	-
July 29	NR	-	-	NR	-	-	NR	-	-
July 31	NR	-	-	NR	-	-	NR	-	-
August 2	NR	-	-	NR	-	-	NR	-	-
August 5	0	2	0	NR	-	-	5	1	0
August 7	0	6	0	26	1	0	5	1	0
August 9	0	2	0	49	7	0	7	0	0
August 12	0	2	0	NR	-	-	8	2	0
August 14	0	2	0	43	7	-	NR	-	-
August 16	0	4	1	4	0	0	NR	-	-
August 19	1	0	0	26	0	0	6	0	0
August 21	1	2	0	39	0	0	6	0	0
August 23	0	2	0	NR	-	-	NR	-	-

August 26 NR - - 14 1 0 8 0 0

Abbreviations: CEW = corn earworms; GSB = green stink bugs;
BSB = brown stink bugs; NR = No Report

From: Alan A. Harper, Lenoir County

Light Trap Data from Lenoir County

June

Number of Adult Insects

Date	HW	CEW	ECB	AW	AWC	GSB	BSB	TBW
June 1	----- Put up light trap -----							
June 2	0	0	0	0	0	7	0	0
June 3	0	1	1	0	0	10	0	0
June 4	0	0	0	0	0	5	0	0
June 5	0	0	1	0	0	2	0	0
June 6	0	0	0	0	0	0	0	0
June 7	0	0	0	0	0	3	1	0
June 8	0	0	0	0	0	3	0	0
June 9	0	0	1	0	0	12	1	0
June 10	0	0	0	0	0	4	0	0
June 11	0	0	0	0	0	0	0	0
June 12	0	0	0	0	0	2	0	0
June 13	0	0	0	1	0	4	1	0
June 14	0	0	0	0	0	0	0	0
June 15	0	0	0	0	0	0	0	0
June 16	0	0	1	0	0	0	1	0
June 17	0	0	0	0	0	1	0	0
June 18	0	0	0	0	0	0	1	0
June 19	0	0	0	0	0	0	0	0
June 20	0	0	0	0	0	0	0	0
June 21	0	0	2	0	1	0	0	0
June 22	0	0	0	0	0	1	0	0
June 23	0	0	0	0	0	0	0	0
June 24	0	0	0	0	0	0	0	0
June 25	0	0	0	0	0	1	0	0
June 26	0	0	0	0	0	0	0	0
June 27	0	0	0	0	1	0	0	0
June 28	0	0	0	1	0	0	0	0
June 29	0	0	0	0	0	0	0	0
June 30	0	0	0	0	0	2	0	0

July

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*****
                        Number of Adult Insects
*****
Date      HW      CEW      ECB      AW      AWC      GSB      BSB      TBW
*****
July 1    1       0       0       0       0       3       0       0
July 2    0       0       0       0       0       0       0       0
July 3    0       0       0       0       0       3       2       0
July 4    0       0       0       0       0       6       0       0
July 5    0       0       1       0       1       4       2       0
July 6    0       0       0       0       0       5       0       0
July 7    0       0       0       0       0       1       0       0
July 8    0       0       0       0       0       0       0       0
July 9    0       0       0       0       0       0       1       0
July 10   0       0       0       0       0       1       0       0
July 11   0       0       0       0       1       1       1       0
July 12   0       0       0       0       0       0       0       0
July 13   0       0       0       0       0       0       0       0
July 14   1       0       0       0       0       0       0       0
July 15   0       0       0       0       0       0       0       0
July 16   0       0       0       0       0       1       0       0
July 17   0       0       0       0       0       2       1       0
July 18   0       0       0       0       0       0       0       0
July 19   0       0       0       0       0       0       0       0
July 19   0       0       0       0       0       0       0       0
July 20   0       0       0       0       0       0       0       0
July 21   0       0       0       0       0       0       0       0
July 22   0       0       0       0       0       0       0       0
July 23   0       0       0       0       0       0       0       0
July 24   0       1       0       0       1       1       0       0
July 25   1       2       1       0       2       2       0       0
July 26   0       0       0       0       1       2       0       1
July 27   1       3       0       0       1       1       0       1
July 28   1       4       0       0       2       0       0       0
July 29   0       10      0       0       2       0       0       1
July 30   0       14      0       0       4       0       0       0
July 31   0       27      0       0       4       1       0       1
*****
    
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August

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*****
                        Number of Adult Insects
*****
Date      HW      CEW      ECB      AW      AWC      GSB      BSB      TBW
*****
August 1  0       38      0       0       4       1       1       0
August 2  1       10      1       0       1       1       0       1
August 3  0       23      0       0       2       0       0       0
August 4  0       0       0       0       0       0       0       0
August 5  0       22      0       1       7       0       0       0
August 6  0       27      0       3       5       0       0       1
August 7  0       38      1       5       4       0       0       2
August 8  0       34      0       0       1       1       1       2
August 9  0       14      0       3       0       1       0       0
    
```


August 10	0	10	0	0	2	0	0	0
August 11	0	17	0	0	1	0	0	0
August 12	1	10	0	0	2	4	0	0
August 13	0	4	1	0	2	1	0	0
August 14	0	6	1	0	3	1	0	0
August 15	0	0	0	2	3	0	0	0
August 16	0	2	1	0	1	0	0	0
August 17	0	1	0	1	1	0	0	0
August 18	0	0	0	1	0	0	0	0
August 19	0	0	0	0	1	0	0	0
August 20	0	0	0	0	0	1	0	0
August 21	0	0	0	1	1	0	0	0
August 22	0	3	0	0	2	0	0	0
August 23	0	1	0	0	2	2	0	0
August 24	0	3	0	0	0	0	0	0
August 25	0	0	0	0	2	0	0	0
August 26	0	0	1	0	0	0	0	0
August 27	0	0	0	0	0	1	0	0
August 28	0	0	0	0	0	2	0	0
August 29	0	4	0	0	0	0	0	0
August 30	0	7	0	1	3	0	0	0
August 31	0	1	0	0	3	3	0	0

September

Number of Adult Insects

Date	HW	CEW	ECB	AW	AWC	GSB	BSB	TBW
September 1	0	2	0	0	2	1	0	0
September 2	0	2	0	0	1	1	0	0
September 3	0	6	0	3	2	0	0	0
September 4	0	9	0	0	2	0	0	1
September 5	0	15	0	1	0	11	0	0
September 6	0	14	0	1	6	8	0	2
September 7	0	9	0	1	6	2	0	0
September 8	0	9	2	0	6	0	0	0
September 9	0	8	0	0	5	3	0	0
September 10	0	12	0	1	9	12	0	0
September 11	0	16	0	3	4	5	0	0
September 12	0	9	0	2	2	8	0	0
September 13	0	2	0	2	1	6	0	0

Abbreviations: HW = hornworms; CEW = corn earworms; ECB = European corn borers; AW = true armyworms; AWC = armyworm complex; GSB = green stink bugs; BSB = brown stink bugs; TBW = tobacco budworms

From: Craig Ellison, Agricultural Extension Agent, Northampton County

Light Trap Data from Northampton County

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*****
                          Number of Adult Insects
*****
Woodland      Conway      Galatia      Seaboard      Gaston      Jackson
*****      *****      *****      *****      *****      *****
Date          CEW GR BR    CEW GR BR    CEW GR BR    CEW GR BR    CEW GR BR    CEW GR BR
*****
July 31      - - -      - - -      - - -      - - -      - - -      15 13 0
August 2      2 1 1      - - -      - - -      14 10 0      20 1 0      12 31 0
August 5      0 0 0      - - -      21 6 2      18 2 0      27 2 3      25 27 1
August 7      0 0 0      - - -      8 0 0      12 0 0      16 0 0      40 9 0
August 9      1 1 1      - - -      17 5 1      16 2 0      16 0 0      43 37 0
August 12     1 0 0      - - -      3 2 1      12 2 0      6 1 0      45 43 2
August 14     1 0 0      - - -      9 13 0      24 0 0      - - -      27 93 0
August 16     0 0 0      - - -      0 0 0      2 0 0      - - -      2 2 0
August 19     0 0 0      - - -      4 0 0      12 0 0      - - -      14 10 0
August 21     0 0 0      - - -      3 1 0      6 0 0      - - -      4 12 0
August 23     0 0 0      - - -      10 4 0      18 3 0      - - -      1 17 0
August 26     0 0 0      - - -      1 0 0      4 0 0      - - -      2 2 0
August 28     1 0 0      - - -      3 3 0      41 12 0      - - -      2 21 1
August 30     0 0 0      - - -      8 11 0      3 0 0      - - -      10 27 0
Sept. 2       0 0 0      - - -      17 9 0      - - -      - - -      3 53 0
Sept. 4       0 0 0      - - -      19 7 0      - - -      - - -      6 6 0
Sept. 6       0 0 0      - - -      8 1 0      - - -      - - -      10 7 0
*****
    
```

CEW = corn earworms; GR = green stink bugs; BR = brown stink bugs

Locations: Woodland, Conway, Galatia, Seaboard, Gaston and Jackson
 Monitored by: L. Culpepper, K. Edwards, Ben Harris, T. Flythe, D. Grant
 and B. Bryant

From: Melissa E. Huffman, Agricultural Extension Agent, Onslow County

Light Trap Data from Onslow County

```

*****
                          Number of Adult Insects
*****
                          Green      Fall      Tobacco
                          Bollworms  Stink Bugs  Armyworm  Hornworm
Date
*****
July 1          0          0          0          0
July 3          0          0          0          0
July 5          0          0          0          0
July 8          0          0          0          0
July 10         0          2          0          0
July 12         0          1          0          0
July 15         0          0          0          0
July 17         6          2          0          0
    
```

July 19	6	3	0	1
July 22	11	8	1	0
July 24	8	15	1	0
July 26	8	6	0	0
July 29	25	5	0	1
July 31	21	8	0	2
August 2	----- Data not collected -----			
August 5	20	74	0	2
August 7	12	2	2	1
August 9	16	8	0	0
August 12	28	29	0	1
August 14	6	28	0	0
August 16	12	1	0	1
August 19	7	4	0	0
August 21	2	0	0	0
August 26	5	1	0	0
August 28	3	0	0	0

Trap Location: Richlands; Cooperator: Richlands Farm, Inc.
 Insect counts are from a single black light trap located
 approximately 1 mile east of Richlands.

From: Scotland County Extension Center

Light Trap Data from Scotland County

Number of Adult Insects

Date	Gibson				John's				Laurinburg			
	BW	GSB	BSB	FAW	BW	GSB	BSB	FAW	BW	GSB	BSB	FAW
July 17	0	0	0	-	11	14	34	-	0	0	0	-
July 19	4	6	5	-	12	7	20	-	0	11	44	-
July 22	16	21	0	-	12	5	14	-	1	11	13	-
July 24	44	7	0	-	25	6	17	-	1	2	6	-
July 26	22	2	0	-	44	1	1	-	5	0	2	-
July 29	118	13	0	-	54	3	12	-	15	7	2	-
July 31	114	3	0	-	94	8	9	-	0	0	0	-
August 2	0	0	0	-	66	5	4	-	12	2	6	-
August 5	268	39	1	-	53	23	53	-	20	2	16	-
August 7	-	-	-	-	-	-	-	-	-	-	-	-
August 9	-	-	-	-	-	-	-	-	-	-	-	-
August 12	-	-	-	-	-	-	-	-	-	-	-	-
August 14	20	13	1	-	19	16	2	-	23	7	28	-
August 16	15	1	0	-	6	0	0	-	21	4	9	-
August 19	18	12	0	-	32	8	4	-	11	2	2	-
August 21	9	8	0	-	12	0	0	-	11	5	6	-
August 23	15	9	0	-	14	4	3	-	-	-	-	-
August 26	3	2	0	-	34	13	8	-	-	-	-	-
August 28	13	11	0	-	23	7	3	-	20	16	1	-
August 30	31	26	0	-	38	26	10	-	32	5	6	-
Sept. 2	-	-	-	-	64	16	4	-	174	10	5	-

Sept. 4	64	12	0	-	112	18	3	-	216	6	1	-
Sept. 6	-	-	-	-	101	10	0	-	187	8	1	-
Sept. 9	24	3	0	-	54	1	0	-	89	0	0	-

BW = bollworms; GSB = green stink bugs;
 BSB = brown stink bugs; FAW = fall armyworms

From: Andrew Baucom, Agricultural Extension Agent, Stanly County

Light Trap Data from Stanly County

Number of Adult Insects

Date	CEW	BR	GR
August 19	0	2	0
August 21	0	0	0
August 23	0	0	0
August 26	1	0	0
August 28	0	0	0
August 30	0	0	2
September 2	0	0	0
September 4	0	0	0
September 6	0	0	1
September 9	0	0	0
September 11	0	0	0
September 13	0	1	0

CEW = corn earworm moths; BR = brown stink bugs; GR = green stink bugs

From: Dominic Reisig, Extension Entomologist

Light Trap Data from Tidewater Research Station

Number of Adult Insects

Date	CEW	TBW	AW	SBL	BSB	GSB
July 5	0	0	0	0	0	0
July 8	0	0	0	0	0	0
July 10	0	0	0	0	1	1
July 12	0	0	0	0	1	3
July 15	0	1	0	0	6	2
July 17	0	0	0	0	2	8
July 19	0	1	0	0	6	3

Abbreviations: CEW = corn earworms; TBW = tobacco budworms;

AW = armyworms; SBL = soybean loopers; BSB = brown stink bugs;
 GSB = green stink bugs

From: Tyler Whaley, Agricultural Extension Agent, Wayne County

Light Trap Data from Wayne County

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*****
                Number of Adult Insects
                *****
                        Goldsboro
                *****
Date              GSB    BSB    CEW    HW
*****
July 14           -      2      -      0
July 15           5      6      0      0
July 17           9     19      0      0
July 19           0      6      0      0
July 22           2      5      0      0
July 24           1      5      0      0
July 26           1      1      1      1
July 29           1      0      7      1
July 31           9      1     15      0
August 2          2      0     27      0
August 5          5      2     40      0
August 7          0      0      0      0
August 9          4      1     16      0
August 12         5      1     12      0
August 14        10      2     20      1
August 16         2      0      2      0
August 21         7*     2*    20*     0
                (5 day count)
August 23         4      0      4      1
August 26         2      1      0      0
*****
    
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GSB = green stink bugs; BSB = brown stink bugs; CEW = corn earworms; HW = hornworms

Cooperator: Willie Howell Farm (Goldsboro)

From: Norman E. Harrell, Agricultural Extension Agent, Wilson County

Light Trap Data from Wilson County

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*****
                Number of Adult Insects
                *****
                        Kenly          Fountain      Pender's
                *****          *****          *****
Date              CEW  GSB    CEW  GSB    CEW  GSB
*****
July 29           -   -      3   5      -   -
July 31           1   0      2   6      -   -
    
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August 2	5	0	42	4	-	-
August 5	7	0	33	2	0	0
August 7	7	1	32	5	0	0
August 9	8	11	32	16	1	3
August 12	3	3	35	11	7	0
August 14	1	1	15	5	17	1
August 16	4	0	10	1	32	2
August 19	2	1	15	3	37	2
August 21	0	0	10	7	15	0
August 23	0	1	9	0	7	0
August 26	0	1	11	0	12	1
August 28	0	2	8	5	4	0
August 30	2	6	16	1	5	0
September 2	3	3	1	10	3	1
September 4	-	-	13	3	12	0
September 6	1	1	16	0	37	0
September 9	1	1	36	0	9	0
September 11	3	0	26	1	20	0
September 13	3	0	57	2	4	0

CEW = corn earworms; GSB = green stink bugs

Locations: Kenly, Fountain and Pender's Cross Roads
 Monitored by: Norman Harrell, Barbara Smith and Adam Gardner

Recommendations for the use of chemicals are included in this publication as a convenience to the reader. The use of brand names and any mention or listing of commercial products or services in this publication does not imply endorsement by North Carolina State University, North Carolina A&T State University or North Carolina Cooperative Extension nor discrimination against similar products or services not mentioned. Individuals who use chemicals are responsible for ensuring that the intended use complies with current regulations and conforms to the product label. Be sure to obtain current information about usage regulations and examine a current product label before applying any chemical. For assistance, contact an agent of North Carolina Cooperative Extension.