



# North Carolina Pest News

Departments of Entomology and Plant Pathology

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## FIELD AND FORAGE CROPS

From: Aurora Toennisson, Research Associate, and Clyde Sorenson and Hannah Burrack, Extension Entomologists

### Tobacco Insect Scouting Report – September 12, 2014

We are at week twenty of scouting. Scouting was done earlier in the week for the Piedmont site and now they are wrapping up their harvesting. Only Eastern 1 and 2 locations will have tobacco plants remaining for the coming week. With the exception of flea beetles, very little has been detected during scouting at this point.

## CAUTION !

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

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A mature tobacco plant from our Eastern 1 site.

Scouting Report, Eastern 1 – Grower Standard Field

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infested plants	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	0 – No treatment	2.76 flea beetles/plant – No treatment	0% tobacco budworm infested plants – No treatment	0 – No treatment	0 – No treatment	0.1 stilt bugs/plant

Scouting Report, Eastern 2 – IPM Field

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infested plants	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	0 – No Treatment	3.58 flea beetles/plant – No treatment	6% tobacco budworm infested plants (on suckers) – No treatment	0 – No treatment	0 – No Treatment	0.1 stilt bugs/plant

## Scouting Report, Piedmont 1 – Grower Standard Field

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infested plants	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	1 aphid infested plant – No treatment	1.88 flea beetles/plant – No treatment	0% tobacco budworm infested plants – No treatment	0 – No treatment	0 – No treatment	0.35 lady beetle larva/plant

## Scouting Report, Piedmont 2 – IPM Field

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infested plants	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	0 – No Treatment	2.26 flea beetles/plant – No treatment	0% tobacco budworm infested plants – No treatment	0 – No treatment	0 – No Treatment	0.22 stilt bugs/plant

Here is the scouting report from the control plots for our experiment at the [Upper Coastal Plain Research Station](#) near Rocky Mount, North Carolina. Our plots at the [Lower Coastal Plain Research Station](#) near Kinston, North Carolina, had their final priming this week. We will no longer scout this area. For some of these experiments, the control plots received no insecticide treatments for the entire season. For some of the experiments, we are interested in only caterpillar pests so all plants in the experiment, including the control plots, are treated in the greenhouse with imidacloprid to prevent other early season pests.

## On Station, Rocky Mount – Control plants with no insecticide treatment

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infestation	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	0 – No Treatment	not counted	0% budworm infested plants – No treatment	0.0 hornworms/plant – No treatment	0 – No Treatment	0.01 parasitized hornworms/plant

## On Station, Rocky Mount – Control plants treated with imidacloprid

Insect observation	No. aphid infested plants	Flea beetles per plant	Percent tobacco budworm infestation	Hornworms per plant	Percent cutworm damaged plants	Other insects
Treatment needed?	0 – No Treatment	not counted	0% budworm infested plants – No treatment	0.00 hornworms/plant – No treatment	0 – No Treatment	0.0 parasitized hornworms/plant

**More Information**

To see last week's scouting report, click [here](#).

(Originally posted at: <http://tobacco.ces.ncsu.edu/2014/09/tobacco-insect-scouting-report-september-12-2014/>)

## INSECT TRAP DATA

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

### Light Trap Data from Bertie County

```

*****
                                Hexlena
                                TNT
                                Woodard
                                PBRS
                                *****
Date      CEW GSB   CEW GSB   CEW GSB   CEW GSB
*****
July 28      5  6     4 27     -  -     -  -
July 30      2  0     2  3     2  1     -  -
July 31      6  0     -  -     -  -     -  -
August 4     -  -     24 45    -  -     7  0
August 5     14 14    -  -     -  -     -  -
August 6      1  0     -  -     -  -     -  -
August 7      7  0     -  -     -  -     -  -
August 8     15  6     -  -     -  -     -  -
August 11    12  2     17  0    -  -     -  -
August 12     0  0     -  -     6  1     12  0
August 13     -  -     -  -     9 19     -  -
August 14     5  5     -  -     17  0    -  -
August 15     2  0     -  -     9  1     8  0
August 18     0  2     -  -     19 14    -  -
August 19     0  9     -  -     8  9     -  -
August 20     0  6     -  -     20  9    -  -
August 21     0  2     -  -     24 10    -  -
August 22     3 27     -  -     -  -     -  -
August 23     -  -     -  -     8  6     -  -
August 24     -  -     -  -     5  4     -  -
August 25     3 10     4  5     8  3     -  -
August 26    15  5     -  -     11  0    -  -
August 27     0  1     -  -     21  0    -  -
August 29     0  8     1  1     0  1     -  -
September 3  1 21     -  -     -  -     -  -
*****
    
```

Abbreviations: CEW = corn earworms; GSB = green stink bugs

From: Mike Carroll, Agricultural Extension Agent, Craven County

### Light Trap Data from Craven County

```

*****
                                Number of Adult Insects
                                *****
Date      BW*  GSB   BSB   AW   HW
*****
July 16      ----- Date Initiated -----
July 18     13   0     0     0     1
July 21     28   0     0     0     2
    
```

July 23	30	1	0	0	1
July 25	18	1	0	0	1
July 28	105	1	0	0	2
July 30	76	1	0	0	1
August 1	136	1	0	2	1
August 4	259	1	0	2	2
August 6	80	2	0	0	0
August 8	49	0	0	0	1
August 11	65	0	0	1	1
August 14	18	2	0	1	1
August 17	40	0	0	0	1
August 19	76	3	0	2	3
August 20	32	2	0	2	1
August 25	85	1	0	0	3
August 27	36	2	0	2	2

\*\*\*\*\*

Abbreviations: BW\* = bollworms; GSB = green stink bugs; BSB = brown stink bugs; AW = true armyworms; HW = tobacco hornworms

\*Bollworms reflect corn earworm and tobacco budworm counts

Cooperator: Cove City Fertilizer

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

**Light Trap Data from Edgecombe County**

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Number of Adult Insects

\*\*\*\*\*

Date	West Edgecombe			Coakley			Lawrence		
	CEW	BSB	GSB	CEW	BSB	GSB	CEW	BSB	GSB
July 11	-	-	-	0	3	6	-	-	-
July 14	0	1	0	1	0	1	-	-	-
July 16	0	0	0	0	0	3	-	-	-
July 18	0	0	0	-	-	-	-	-	-
July 21	0	1	0	-	-	-	-	-	-
July 23	1	0	0	5	0	1	-	-	-
July 25	1	0	1	8	2	6	-	-	-
July 28	14	1	1	15	0	1	-	-	-
July 30	5	0	0	-	-	-	-	-	-
August 1	12	0	0	43	0	1	-	-	-
August 4	20	0	0	84	0	1	-	-	-
August 6	9	0	0	35	0	0	-	-	-
August 8	15	0	1	14	0	3	-	-	-
August 11	14	0	0	12	0	2	-	-	-
August 13	8	1	1	-	-	-	-	-	-
August 15	13	0	0	9	0	1	-	-	-
August 18	37	0	1	-	-	-	-	-	-
August 19	-	-	-	25	0	7	-	-	-
August 20	16	0	0	-	-	-	-	-	-

\*\*\*\*\*



June 15	0	1	0	0	1	0	0	0
June 16	0	0	0	0	0	0	0	0
June 17	0	1	0	0	1	0	0	1
June 18	0	0	0	0	0	0	0	0
June 19	0	0	0	0	0	0	0	1
June 20	0	2	0	0	0	0	0	0
June 21	0	2	0	0	1	0	0	0
June 22	0	1	0	0	0	1	0	0
June 23	0	0	0	1	1	0	0	0
June 24	0	1	0	0	0	0	0	1
June 25	0	3	0	2	1	1	0	0
June 26	0	1	0	1	0	1	0	0
June 27	0	1	0	0	0	0	0	0
June 28	0	2	0	1	1	0	0	0
June 29	0	0	0	0	2	0	0	0
June 30	0	0	0	0	1	0	0	1

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July

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Number of Adult Insects

\*\*\*\*\*

Date	HW	CEW	ECB	AW	AWC	GSB	BSB	TBW
July 1	0	2	0	0	1	0	0	0
July 2	0	1	0	0	0	0	0	0
July 3	0	1	0	0	1	0	0	1
July 4	0	2	0	0	0	0	0	0
July 5	0	1	0	1	0	0	0	0
July 6	0	1	0	0	0	0	0	1
July 7	0	0	0	0	0	0	0	0
July 8	0	0	0	0	0	0	0	0
July 9	0	0	0	0	0	1	0	0
July 10	0	0	0	0	0	1	0	0
July 11	0	2	0	0	0	2	0	0
July 12	0	1	0	1	0	1	0	0
July 13	0	0	0	0	0	0	0	0
July 14	0	0	0	0	0	0	0	0
July 15	0	1	0	0	0	0	1	1
July 16	0	1	1	0	0	0	0	0
July 17	0	4	0	0	0	1	0	0
July 18	0	1	0	0	2	1	0	0
July 19	1	1	0	0	0	1	0	0
July 20	0	2	0	0	1	2	0	0
July 21	0	7	1	0	1	6	0	0
July 22	1	8	0	0	2	3	0	0
July 23	0	9	1	0	0	3	1	1
July 24	0	11	0	0	0	3	3	0
July 25	0	8	0	0	4	2	1	0
July 26	0	26	0	0	0	5	0	0
July 27	0	18	0	0	2	7	2	0
July 28	0	20	0	1	3	8	7	0
July 29	0	26	0	1	1	2	0	0
July 30	0	36	0	0	1	0	0	0
July 31	0	52	0	1	1	6	0	0

\*\*\*\*\*

August

```

*****
                        Number of Adult Insects
*****
Date      HW      CEW      ECB      AW      AWC      GSB      BSB      TBW
*****
August 1  0       36       0        2        0        7        0        1
August 2  0       30       0        1        0        3        1        2
August 3  0       43       0        1        1        3        0        1
August 4  0       46       0        0        0        4        0        1
August 5  0       63       0        1        0        6        0        1
August 6  0       26       0        0        0        5        0        0
August 7  0       33       0        1        0        6        0        2
August 8  0       21       0        0        0        2        1        0
August 9  0       32       0        0        2        5        0        0
August 10 0       15       0        0        1        0        0        0
August 11 0       14       0        0        0        0        0        0
August 12 0        5       0        0        0        3        0        0
August 13 0       15       0        0        0        8        0        0
August 14 0        8       0        0        0        1        0        0
August 15 0        4       2        0        0        0        1        0
August 17 0       11       0        0        0        9        0        0
August 19 0        8       0        0        0        8        1        0
August 21 0        5       0        1        0        3        2        0
August 22 0        3       0        0        0        4        0        0
August 23 0        7       0        0        0        0        0        0
August 24 0        5       0        0        0        3        0        0
August 26 0        6       0        1        0        6        2        0
August 27 0        7       0        0        0        1        1        0
August 28 0       11       0        1        0        9        1        0
August 29 0        8       0        1        0        8        1        0
August 31 0        5       0        0        1        7        0        0
*****
    
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September

```

*****
                        Number of Adult Insects
*****
Date      HW      CEW      ECB      AW      AWC      GSB      BSB      TBW
*****
September 2 0        4       0        0        0        9        0        0
September 3 0        4       1        0        1        2        0        0
September 4 0        7       0        0        1        0        0        0
September 6 0       10       0        0        1        6        0        0
September 7 0       12       0        0        1        1        0        0
September 9 0        4       0        0        4        1        0        0
September 10 0        4       0        0        2        2        0        0
September 12 0        4       0        0        1        4        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**

```

*****
                        Number of Adult Insects
*****
                Galatia          Seaboard          Woodland          Jackson
                *****          *****          *****          *****
Date          CEW GSB BSB  HW  CEW GSB BSB  CEW GSB BSB  CEW GSB BSB
*****
July 26      -  45  2   2   -  -  -   -  -  -   -  -  -
July 29      7  15  1   -   4  6  0   -  -  -   -  -  -
July 30      0  0  0   -   -  -  -   -  -  -   -  -  -
July 31      0  0  0   -   2  1  0   -  -  -   -  -  -
August 1     0  -  -   -   -  -  -   1  0  0   -  -  -
August 4    49 89  0   -  12  4  0   1 18  0   -  -  -
August 5    23  3  0   -   -  -  -   -  -  -   -  -  -
August 6    10  1  0   -   7  1  0   2  1  0   -  -  -
August 8     -  -  -   -  12  3  0   -  -  -   -  -  -
August 11    -  -  -   -  12  2  0   2  2  0   -  -  -
August 12    -  -  -   -   -  -  -   -  -  -   21  1  0
August 13    2  4  0   -  14  7  0   2  3  0   -  -  -
August 14    3  1  0   -   -  -  -   -  -  -   30 138  0
August 15    -  -  -   -   5  0  0   -  -  -   9  3  0
August 19    5 18  0   -  16  6  0   -  -  -   86 31  1
August 20    4  5  0   -  35  8  0   2  1  0   32 22  0
August 22    -  -  -   -  16 44  0   2  0  0   39 22  0
August 25    7 10  0   -   5  3  0   1  2  0   38 41  1
August 27    -  -  -   -   3  0  0   0  0  0   -  -  -
August 28    -  -  -   -   -  -  -   -  -  -   4  5  0
August 29    -  -  -   -   2  1  0   1  3  0   3 16  1
Sept. 2     1  4  0   -  12  8  0   -  -  -   15 22 22
Sept. 3     -  -  -   -   -  -  -   -  -  -   6 15  0
Sept. 9     7  2  0   -   -  -  -   -  -  -   15 29  0
*****
    
```

Abbreviations: CEW = corn earworms;  
 GSB = green stink bugs; BSB = brown stink bugs

From: Robeson County

**Light Trap Data from Robeson County**

```

*****
                        Number of Adult Insects
*****
Date          CEW    ECB    AWC    AW    GSB    BSB
*****
July 29          43     -     1     -     3     0
July 30          24     2     0     1     0     0
August 1         41     0     0     -     1     0
August 7         21     1     0     2     1     2
August 11        16     2     0     7     0     0
    
```

August 21 18 - 4 6 1 0  
 September 3 9 - 1 10 0 0  
 \*\*\*\*\*

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

From: Scotland County Extension Center

**Light Trap Data from Scotland County**

\*\*\*\*\*  
 Number of Adult Insects  
 \*\*\*\*\*

Date	Gibson					John's					Laurinburg				
	CEW	ECB	GSB	TBW	BSB	CEW	ECB	GSB	TBW	BSB	CEW	ECB	GSB	TBW	BSB
July 23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July 25	5	2	-	-	-	-	-	-	-	-	-	-	-	-	-
July 28	4	4	-	288	-	5	0	-	559	-	2	1	-	55	-
July 30	60	-	0	-	0	273	-	1	-	0	-	-	-	-	-
August 1	74	-	1	-	0	98	-	0	-	0	24	-	0	-	0
August 4	108	-	2	-	0	268	-	1	-	0	-	-	-	-	-
August 5	-	-	-	-	-	-	-	-	-	-	56	-	0	-	0
August 6	34	-	5	-	0	84	-	2	-	1	-	-	-	-	-
August 8	-	-	-	-	-	-	-	-	-	-	22	-	0	-	2
August 11	32	-	1	-	0	58	-	1	-	1	39	-	1	-	1
August 12	80	-	5	-	0	-	-	-	-	-	80	-	2	-	0
August 13	-	-	-	-	-	144	-	1	-	1	-	-	-	-	-
August 14	34	-	3	-	0	-	-	-	-	-	19	-	0	-	0
August 18	27	-	5	-	0	162	-	2	-	1	15	-	1	-	0
August 21	17	-	3	-	3	71	-	1	-	2	5	-	0	-	0
August 25	-	-	-	-	-	143	-	5	-	2	13	-	0	-	1
August 27	34	-	5	-	0	-	-	-	-	-	27	-	2	-	0
Sept. 3	44	-	19	-	0	34	-	1	-	0	37	-	2	-	1

\*\*\*\*\*

Abbreviations: CEW = corn earworms; ECB = European corn borers; GSB = green stink bugs; TBW = tobacco budworms; BSB = brown stink bugs

From: Washington County

**Light Trap Data from Washington County**

\*\*\*\*\*  
 Number of Adult Insects  
 \*\*\*\*\*

Date	CEW	GSB	BSB	TBW
July 15	1	1	-	-
July 18	4	2	-	-

July 25	3	-	-	-
July 30	5	-	-	-
July 31	4	-	-	-
August 8	-	1	-	-
August 13	13	12	1	2
August 15	4	1	-	-
August 18	19	3	-	-
August 20	17	15	-	-
August 22	15	7	2	-
August 25	15	4	1	-
September 3	-	27	-	-
September 5	13	14	-	-
September 10	15	1	-	-

\*\*\*\*\*

Abbreviations: CEW = corn earworms;  
 GSB = green stink bugs; BSB = brown  
 stink bugs; TBW = tobacco budworms

From: Tyler Whaley, Agricultural Extension Agent, Wayne County

**Light Trap Data from Wayne County**

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Number of Adult Insects  
 \*\*\*\*\*

Goldsboro  
 \*\*\*\*\*

Date	CEW	GSB	BSB	HW
July 7	-	2	-	-
July 9	-	1	-	-
July 11	-	1	-	-
July 14	-	2	-	-
July 16	4	6	2	-
July 18	1	2	1	-
July 21	5	5	1	2

\*\*\*\*\*

Abbreviations: CEW = corn earworms; GSB = green  
 stink bugs; BSB = brown stink bugs; HW = hornworms

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

**Light Trap Data from Wilson County**

```

*****
                                Number of Adult Insects
*****
                Kenly                Fountain                Pender's
*****                *****                *****
Date      CEW  ECB  GSB  BSB  HW  CEW  ECB  GSB  BSB  HW  CEW  ECB  GSB  BSB  HW
*****
July 23      1   -   1   0   -   12  0   -   -   1   -   -   -   -   -
July 25      -   -   -   -   -   20  5   -   -   7   -   -   -   -   -
July 26      3   0   -   -   1   -   -   -   -   -   -   -   -   -   -
July 28      3   0   -   -   3   5   -  29  5   3   -   -   -   -   -
July 30      2   -   0   0   -   -   -   -   -   -   1   -   0   0   -
August 1     3   -   0   0   -   6   -  10  0   -   9   -   0   0   -
August 4    22   -   0   0   -  25   -  16  3   -  31   -   6   2   5
August 6     -   -   -   -   -  18   -  23  6   -  45   -   4   0   1
August 7    11   -   0   0   -   -   -   -   -   -   -   -   -   -
August 8     3   -   0   0   -  17   -  19  0   -  18   -   6   0   -
August 11    4   -   1   0   -  35   -  19  0   -  64   -   4   2   -
August 13    4   -   1   0   -  10   -  29  3   -  16   -   2   0   -
August 15    5   -   0   0   -   -   -   -   -   -  24   -   0   0   -
August 16    -   -   -   -   -   6   -   2   0   -   -   -   -   -   -
August 18    6   -   1   0   -  21   -  75  6   -  26   -   5   4   3
August 20    9   -   0   0   -  13   -  35  1   -  76   -   2   0   -
August 22    3   -   2   0   -  13   -  46  3   -  32   -   0   0   6
August 25    8   -   0   0   -   2   -  13  1   -   3   -   0   0   4
August 27    -   -   -   -   -   0   -   0   0   -   3   -   0   0   2
August 28    3   -   0   0   -   -   -   -   -   -   -   -   -   -   -
August 29    1   -   0   0   -   2   -   8   2   -   6   -   0   0   -
August 31    3   -  13   0   -   -   -   -   -   -   6   -   0   0   -
Sept. 2     -   -   -   -   -   8   -  17  0   -   -   -   -   -   -
Sept. 3     3   -   4   0   -   -   -   -   -   -   1   -   0   0   -
Sept. 5     2   -   0   0   -   -   -   -   -   -   0   -   0   0   -
Sept. 6     -   -   -   -   -   3   -  11  0   -   -   -   -   -   -
Sept. 8     -   -   -   -   -   3   -  31  1   -  47   -   0   0   -
*****
    
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Abbreviations: CEW = corn earworms; ECB = European corn borers;  
 GSB = green stink bugs; BSB = brown stink bugs; HW = hornworms

*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.*