

August 2015 Hot Line Number 534-5256

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Ag News

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Pesticide Recertification...

We have scheduled two classes for pesticide recertification. They are scheduled on **Tuesday, August 18th, 3:00-5:00 and again at 6:00-8:00 PM.** Classes will be held at the extension office and will carry a 'V' credit. If you need to take the test please call Craig at the office at 252.534.2711.

63rd Annual Peanut Field Day – September 10, 2015 at the Peanut Belt Research Station, Lewiston-Woodville, NC. Registration: 8:45 am.



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Tidewater Cotton Field Day – The Tidewater Agricultural Research & Extension Center in Suffolk, VA, will host the 2015 Cotton Field Day on August 11, beginning at 8:00 a.m.

A broad range of cotton discipline research findings will be presented at nine different tour stops by some of the leading researchers in Virginia and North Carolina.

“The tours will include information about weed and disease management, variety selection and plant growth regulator management, as well as nitrogen timing and sulfur management,” explains Dr. Guy Collins, Cotton Extension associate professor, Crop Science with North Carolina State University.

Todd Spivey, a Ph.D. student at NCSU, will be highlighting ongoing research in the NCSU Cotton Agronomics Research and Extension program. Other tour stops will cover topics from High Input Cotton Management Systems and Optimal Nitrogen Rates, to In-Furrow Fertilizers and In-Season Insect Management.

Pre-registration is encouraged for the field tour, as well as lunch. Contact Gail White – 757-657-6450, Ext. 430 or guwhite@vt.edu – by July 31. Private pesticide recertification credits will also be available.

The Tidewater Agricultural and Research Extension Center is located at 63321 Holland Road, Suffolk, VA. On-site registration will begin at 7:30 a.m.

Off the Top... TRANSGENIC *Bt* COTTON

After the onset of the major bollworm moth flight:

- 3 live second-stage bollworms (1/8 inch or longer per 100 squares. (Pay particular attention to bollworms in or under yellow, pink, or dried blooms stuck to young bolls.)

or

- 2 second-stage bollworms on 2 consecutive scouting trips,

or

- 1 second-stage bollworm on 3 consecutive scouting trips,

For all other insects on Bt cotton, use conventional thresholds.

Bollworm and Tobacco Budworms on Conventional Cotton...

Egg threshold: (at the onset of the major bollworm moth flight):

- 10 or more eggs per 100 terminals,

or

- 3 eggs per 100 fruiting forms.

Post-bloom larval threshold:

- 3 live larvae per 100 terminals, squares, blooms or bolls.

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Soybean Scouting Tips

Field size & Sample Number for Insects

Field Size (in acres)	Number of Samples
0-5	3
6-8	4
9-11	5
12-15	6
16-18	7
19-21	8
22-25	9
Over 25	Take 9 samples and add 1 more sample for each additional 5 acres. For example, for a 35-acre field, take 11 samples.

Thresholds for Wide-row Soybeans...

Corn earworm action thresholds:

Soybean price (\$/bu)	Average number worms Per 6 foot sample
\$7.00	4.92
\$8.00	4.26
\$9.00	3.78
\$10.00	3.42

Stinkbug action thresholds:

1. For grain soybeans----6 stinkbugs/sample
2. For seed soybean----3 stinkbugs/sample

How to Scout for Pod-feeders in Narrow-row Soybeans (less than 30-inch)...

1. Rigid beat cloth method. Shake plants over the open side of the frame. Do not shake so hard that the worms bounce off the screen. Include two rows in 7-inch-row widths and one row for all other row widths.
2. Sweep net method. Each sample consists

of a total of 15 separate sweeps covering five rows of 7-inch, three rows of 14-inch, or two rows of 21-inch soybeans. While sweeping, pace down the row taking one sweep per pace for 15 paces. Separate the corn earworms and stinkbugs from the leaves, count them, and record the total number caught by the 15 sweeps.

3. The action threshold for narrow-row soybeans (see Tables 8 & 9) depends on row width and sampling method used. Add up the number of worms over 3/8 inches long and divide by the number of samples.

Table 8. Action Thresholds for Corn Earworm in Narrow-row soybeans

1. Corn earworms per sample --- rigid beat cloth:			
Price/bushel	7 in. rows	14 in. rows	21 in. rows
\$7.00	0.56	0.52	0.68
\$8.00	0.49	0.45	0.59
\$9.00	0.44	0.40	0.53
\$10.00	0.39	0.36	0.47
Sweep Net Thresholds			
Price/bushel	7 in. rows	14 in. rows	21 in. rows
\$7.00	1.6	1.57	2.05
\$8.00	1.4	1.38	1.79
\$9.00	1.25	1.22	1.59
\$10.00	1.12	1.10	1.43

Table 9. Action Thresholds for Stinkbug in Narrow-row Soybeans.

1. Stinkbugs/sample—rigid beat cloth:		
Row width	Grain	Seed/edible
7 inch	0.4	0.2
14 inch	0.4	0.2
21 inch	0.6	0.3
2. Stinkbugs/sample—sweep net:		
Row width	Grain	Seed/edible
7 inch	5	2.5
14 inch	5	2.5
21 inch	5	2.5

*Thresholds do not decline as prices climb above \$10.00 per bushel due to plant compensation for low levels of pod damage.

Soybean Insect Threshold Calculator =
soybeans.ces.ncsu.edu/thresholds/