

Production and Pest Management Practices Used on the 2011 Peanut Crop

This survey is one of a series conducted by the Cooperative Extension Service to determine pest management practices used on agricultural crops in North Carolina. The information collected will help us document the benefits of pesticides and Integrated Pest Management (IPM) to crop production in North Carolina. This is necessary to assure the continued availability of those pesticides important to producers. Please answer all of the questions. If you wish to comment on any questions or qualify your answers, feel free to use the space in the margins. Your comments will be read and taken into account.

Thank you for your help.

GENERAL INFORMATION

Q-1 Did you grow peanuts in 2011? (circle one)

1 YES

Please continue

NO

Please return the questionnaire
in the stamped envelope

Q-2 In which county did you grow peanuts in 2011? (If more than one, list the county in which you grow the majority of your peanuts)

_____ County

Q-3 How many acres of peanuts did you grow in 2011?

Q-4 What varieties of peanuts did you plant in 2011? Please list the number of acres of each variety planted.

Variety

Acres Planted

Bailey

Brantley

CHAMPS

Gregory

NC-V 11

Perry

Phillips

Sugg

VA98R

Others (list:

_____	_____
_____	_____
_____	_____
_____	_____

Q-5 How many acres of your 2011 peanut crop were irrigated? Please list the number of acres of peanuts irrigated.

_____ acres irrigated

_____ number of times irrigated

Q-6 How many acres of peanuts did you grow with the following tillage practices in 2011? Please list the number of acres of each.

Disk _____

Chisel _____

Moldboard plow _____

Field Cultivate _____

Rip and Bed in spring _____

Rip and Bed or Bed in fall _____

Bed in spring _____

Strip till _____

No till _____

Q-7 Did you plant a cover crop in fall 2010 in your fields planted to peanuts in 2011? Please list the cover crop.

_____ Cover crop

Q-8 How many acres of peanuts did you harvest in 2011? Please list the number of acres of peanuts harvested.

_____ acres harvested

Q-9 What was your average yield of peanuts in both 2010 and 2011? Please list the average pounds of peanuts produced per acre.

_____ pounds per acre in 2010

_____ pounds per acre in 2011

Q-10 In addition to peanuts, what crops did you plant in 2011? Please list the crops and the number of acres planted.

Crop	Acres planted
_____	_____
_____	_____
_____	_____
_____	_____

Q-11 Did you use any pesticides to manage weeds, insects, mites, nematodes and diseases in your 2011 peanut crop? (Circle one.)

1 YES

Please continue

2 NO

Please skip to Question 39

HERBICIDE USE

Q-12 Did you use any herbicides to manage grasses and broadleaf weeds in your peanut fields in 2011? (Circle one)

1 YES

Please continue

2 NO

Please skip to Question 18

Q-13 For which of the following grasses and broadleaf weeds did you use herbicides in your peanut fields? (Check all that apply)

___ Bermudagrass

___ Broadleaf signalgrass

___ Crabgrass

___ Fall panicum

___ Foxtails

___ Goosegrass

___ Johnsongrass

___ Nutsedge

___ Texas panicum

___ Cocklebur

___ Palmer amaranth

___ Florida beggarweed

___ Jimsonweed

___ Lambsquarters

___ Morningglory

___ Pigweed (not Palmer amaranth)

___ Prickly sida

___ Ragweed

___ Sicklepod

___ Spurred anoda

___ Velvetleaf

Others: (list)

_____	_____
_____	_____

Q-14 Which of the following herbicides were applied as a preplant burndown or preplant incorporated treatment? Please list the number of acres treated with each herbicide used. (If none were used, write NONE.)

Herbicide	Acres Treated
------------------	----------------------

Dual or Dual Magnum	_____
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Glyphosate (various brands)	_____
-----------------------------	-------

Intrro	_____
--------	-------

Outlook	_____
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Paraquat (various brands)	_____
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Prowl	_____
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Pursuit	_____
---------	-------

Sonalan	_____
---------	-------

Strongarm	_____
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Valor SX	_____
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2,4-D	_____
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Others (list):

_____	_____
_____	_____

Q-15 Which of the following herbicides were applied at planting or before the peanuts emerged? Please list the number of acres treated with each herbicide used. (If none were used, write NONE.)

Herbicide	Acres Treated
------------------	----------------------

Dual or Dual Magnum	_____
---------------------	-------

Intrro	_____
--------	-------

Outlook	_____
---------	-------

Pursuit	_____
---------	-------

Strongarm	_____
-----------	-------

Valor SX	_____
----------	-------

Others (list):

_____	_____
_____	_____

Q-16 Which of the following herbicides were applied at the cracking stage? Please list the number of acres treated with each herbicide used. (If none were used, write NONE).

Herbicide	Acres Treated
------------------	----------------------

Basagran	_____
----------	-------

Dual or Dual Magnum	_____
---------------------	-------

Outlook	_____
---------	-------

Intrro	_____
--------	-------

Paraquat (various brands)	_____
---------------------------	-------

Pursuit	_____
---------	-------

Strongarm	_____
-----------	-------

Others (list):

_____	_____
_____	_____

Q-17 Which of the following herbicides were applied between emergence and harvest of your peanuts? Please list the number of acres treated and the number of applications of each herbicide used. (If none were used, write NONE.)

Herbicide	Acres Treated	# of Applications
------------------	----------------------	--------------------------

Basagran	_____	_____
----------	-------	-------

Cadre	_____	_____
-------	-------	-------

Classic	_____	_____
---------	-------	-------

Clethodim (Arrow, Select, Volunteer, others)	_____	_____
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Dual or Dual Magnum	_____	_____
---------------------	-------	-------

Intrro	_____	_____
--------	-------	-------

Paraquat (various brands)	_____	_____
---------------------------	-------	-------

Poast/Poast Plus	_____	_____
------------------	-------	-------

Pursuit	_____	_____
---------	-------	-------

Storm	_____	_____
-------	-------	-------

Ultra Blazer	_____	_____
2,4-DB (various brands)	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____
_____	_____	_____

INSECTICIDE AND MITICIDE USE

Q-18 Did you use any insecticides to manage insects or mites in your peanut crop in 2011? (circle one)

1 YES	2 NO
Please continue	Please skip to Question 24

Q-19 For which of the following insects and mites did you use insecticides in your peanut fields? (Check all that apply)

___ Aphids	___ Southern corn rootworms
___ Corn earworms	___ Spider mites
___ Fall armyworms	___ Thrips
___ Leafhoppers	___ Wireworms

Others (list):

_____	_____
_____	_____

Q-20 Which of the following insecticides were applied during the planting in the seed furrow of your peanut crop to manage insects (i.e., thrips, leafhoppers, aphids, wireworms)? Please list the number of acres treated with each insecticide used. (If none were used, write NONE)

Insecticide	Acres Treated
Di-Syston	_____
Orthene or Acephate	_____
Temik (applied in furrow)	_____
Thimet or Phorate	_____
Others (list):	
_____	_____
_____	_____

Q-21 Which of the following insecticides were applied to your peanut crop to manage early season insects (i.e., thrips, leafhoppers)? Please list the number of acres treated and the number of applications of each insecticide used. (If none were used, write NONE)

Insecticide	Acres Treated	Number of Applications
Baythroid XL	_____	_____
Asana XL	_____	_____
Karate 2	_____	_____
Lannate	_____	_____
Malathion	_____	_____
Orthene or Acephate	_____	_____
Sevin	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____
_____	_____	_____

Q-22 Which of the following insecticides were applied at mid-season to manage southern corn rootworms? Please list the number of acres treated with each insecticide used. (If none were used, write NONE.)

Insecticide	Acres Treated
Lorsban	_____
Mocap	_____
Thimet	_____
Others (list):	
_____	_____
_____	_____
_____	_____

Q-23 Which of the following insecticides were applied to your peanut crop for late season management of insects and/or mites (i.e., corn earworms, fall armyworms, spider mites)? Please list the number of acres treated and the number of applications of each insecticide used. (If none were used, write NONE)

Insecticide	Acres Treated	Number of Applications
Asana XL	_____	_____
Bythroid	_____	_____
Comite	_____	_____
Diazinon	_____	_____
Karate Z	_____	_____
Lannate	_____	_____
Lorsban	_____	_____
Omite	_____	_____
Orthene	_____	_____
Sevin	_____	_____
Steward	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____
_____	_____	_____

NEMATICIDE USE

Q-24 Did you use any fumigants or nematicides to manage nematodes in your 2010 peanut crop? (Circle one)

1 YES

Please continue

2 NO

Please skip to Question 27

Q-25 Which of the following fumigants were applied prior to planting to manage nematodes in your peanut crop? Please list the number of acres treated with each fumigant used. (If none were used, write NONE)

Fumigant	Acres Treated
Busan	_____
Metam	_____
Telone C-17	_____
Telone II	_____
UCB	_____
Vapam	_____
Others (list):	
_____	_____

Q-26 Which of the following nematicides were applied at planting to manage nematodes in your peanut crop? Please list the number of acres treated with each nematicide used. (If none were used, write NONE)

Nematicide	Acres Treated
Nemacur	_____
Temik	_____
Temik (applied in furrow)	_____
Others (list):	
_____	_____
_____	_____
_____	_____

FUNGICIDE USE

Q-27 Did you use any fungicides or fumigants to manage diseases in your 2010 peanut crop? (Circle one.)

1 YES	2 NO
Please continue	Please skip to Question 35

Q-28 For which of the following disease did you use fungicides or fumigants in your peanut fields? (Check all that apply)

____ CBR (black root rot)	____ Stem rot
____ Peanut leafspot	____ Rhizoctonia limb rot
____ Sclerotinia blight	____ Others (list below):
_____	_____
_____	_____

Q-29 Did you apply fungicide in the seed furrow at planting?

Fungicide	Acres Treated
Proline	_____
Others (list):	
_____	_____
_____	_____

Q-30 Which of the following fungicides were applied to manage peanut leafspot?
Please list the acres treated and the number of applications of each fungicide
used. (If none were used, write NONE.)

Fungicide	Acres Treated	Number of Applications
Benlate	_____	_____
Chlorothanlonil (various)	_____	_____
Copper	_____	_____
Dithane	_____	_____
Convoy	_____	_____
Endura	_____	_____
Erito	_____	_____
Headline	_____	_____
Provost	_____	_____
Stratego	_____	_____

Q-31 How often do you use the leafspot advisory (forecast) to time your fungicide
applications for peanut leafspot? (Check one)

- _____ ALL OF THE TIME
_____ MOST OF THE TIME
_____ SOME OF THE TIME
_____ NEVER
_____ LEAFSPOT ADVISORY NOT AVAILABLE
_____ NOT AWARE OF THE LEAFSPOT ADVISORY

Q-32 How often do you use the Sclerotinia blight advisory (forecast) to time your
fungicide applications for Sclerotinia blight? (check one)

- _____ ALL OF THE TIME
_____ MOST OF THE TIME
_____ SOME OF THE TIME
_____ NEVER
_____ SCLEROTINIA BLIGHT ADVISORY NOT AVAILABLE
_____ NOT AWARE OF THE SCLEROTINIA BLIGHT ADVISORY

Q-33 Which of the following fumigants were applied to control CBR (black root rot)? Please list the number of acres treated with each fumigant used. (If none were used, write NONE.)

Fumigant	Acres Treated
Busan	_____
Metam	_____
Vapam	_____
Others (list):	
_____	_____
_____	_____
_____	_____

Q-34 Which of the following fungicides were applied to manage stem rot, sclerotinia blight or rhizoctonia limb rot? Please list the number of acres treated and the number of applications of each fungicide used. (If none were used, write NONE.)

Fungicide	Acres Treated	Number of Applications
Artisan	_____	_____
Endura	_____	_____
Headline	_____	_____
Lorsban	_____	_____
Omega 500	_____	_____
Proline	_____	_____
Provost	_____	_____
Tebuconaxole (Folicur and various other brands)	_____	_____
Terrachlor (PCNB)	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____

Q-35 Which of the following growth regulators or growth stimulants were applied to your peanuts in 2011?

Growth regulator	Acres Treated	Number of Applications
Apogee	_____	_____

Others (list):

_____	_____	_____
_____	_____	_____
_____	_____	_____

Q-36 Which of the following fertilizers were applied to peanuts in 2010?

Fertilizer	Acres Treated	Number of Applications
Boron	_____	_____
Calcium sulfate (gypsum or landplaster)	_____	_____
Manganese	_____	_____
Preplant fertilizer	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____
_____	_____	_____

Q-37 Which of the following inoculants did you apply to promote nitrogen fixation?

Inoculant	Acres Treated	Number of applications
In-furrow liquid	_____	_____
In-furrow granular	_____	_____
Applied in hopper with seed	_____	_____
Others (list):		
_____	_____	_____
_____	_____	_____

Q-38 Did you apply more than one agrochemical (adjuvants, micronutrients, growth stimulants or regulators, pesticides) at the same time? Please provide the number of applications you made with the following number of agrochemicals placed in the tank at one time.

Number of agrochemicals in tank	Number of applications during season	Did all agrochemicals perform as expected? YES or NO
	_____	_____

2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6 or more	_____	_____

INTEGRATED PEST MANAGEMENT PRACTICES

Integrated Pest Management (IPM) involves scouting, planting resistant crop varieties, using disease and insect forecasts, analyzing soil for nematodes, mechanical weeding, and using thresholds to determine when to apply pesticides.

Q-39 Did you practice Integrated Pest Management (IPM) in growing peanuts in 2011? (Circle one)

1 YES

2 NO

Q-40 Do you consider IPM to be a good pest management practice or too risky for managing peanut pests? (Check one.)

_____ IPM is a good pest control practice

_____ IPM is too risky

Q-41 Do you rotate the field(s) that you plant peanuts on each year? (Circle one.)

1 YES

2 NO

If yes, please list below the crops that you rotate with peanuts.

_____	_____
_____	_____

Q-42 How many years separated peanut plantings? Please list as many different rotations as possible.

Years between peanut

Acres

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

Q-43 Which of the following practices did you use to manage soil fertility in your peanut fields in 2011? (Check all that apply.)

- Soil samples were collected and analyzed to establish and maintain required levels of fertility and pH
- Analyzed leaf tissue to determine nutrient requirements
- Applied fertilizer based on results of soil and/or leaf tissue analysis

Q-44 Which of the following practices regarding pesticide selection and application did you use in growing your peanuts in 2011? (Check all that apply.)

- Chose pesticides less damaging to beneficial insects
- Alternatively used different types of pesticides to lessen the development of resistance by pests
- Calibrated pesticide application equipment before use
- Used the appropriate pesticide rates needed to manage pests
- Applied pesticides as they were needed rather than routine spraying
- Kept records on the pesticides used, application rates and number of applications
- Trained workers in the proper handling and application of pesticides

Q-45 Which of the following weed management practices did you use in growing your peanuts in 2011? (Check all that apply.)

- Scouted fields in the fall for weeds likely to be a problem for peanuts
- Scouted peanuts during the growing season to detect problem weeds
- Removed weeds and brush around peanut fields in the fall and spring (weeds are wild hosts for spider mites)

Q-46 Did you cultivate your peanut fields after peanuts emerged for weed control in 2011?

1 YES

2 NO

If yes, how many times did you cultivate your peanut fields before and after planting in 2011?

Acres

Times

Q-47 Which of the following insect and mite management practices did you use in growing your peanuts in 2011? (Check all that apply.)

- _____ Peanut fields were scouted for leafhopper infestation
- _____ Peanut fields were scouted for thrips damage
- _____ Peanut fields were scouted for corn earworms
- _____ Peanut fields were scouted for spider mites
- _____ Used southern corn rootworm advisory
- _____ Used tomato spotted wilt advisory
- _____ Kept records of scouting information collected
- _____ Used action threshold levels for insect or mite pests for deciding if and when to apply insecticides or miticides

Q-48 Which of the following nematode and disease management practices did you use in growing your peanuts in 2011?

- _____ Took soil samples for nematode analysis
- _____ Monitored leafspot in fields beginning mid-season
- _____ Used Sclerotinia advisory to monitor conditions favorable for the development of Sclerotinia
- _____ Monitored peanut crop for soil-borne diseases such as black root rot, southern stem rot and Sclerotinia

Q-49 Did you use pod mesocarp color (pod basting technique) to determine pod maturity and decide when to dig peanuts? If so, how many acres?

NO YES _____ Acres

Q-50 Did you dig peanuts earlier than optimal maturity because of disease? If so, how many acres?

NO YES _____ Acres

Q-51 From which of the following sources did you obtain information on peanut pest management in 2011? (Check all that apply.)

- _____ Another grower
- _____ Consultant

ACRES

_____ OWNED FARM _____
_____ RENTED FARM _____

Q-56 If you owned the farm(s) on which you grew peanuts, what was the type of ownership? (Check all that apply?)

_____ YOURSELF OR FAMILY
_____ PARTNERSHIP
_____ CORPORATION
_____ OTHER (specify)

Q-57 What is your highest level of formal education? (Check one.)

_____ 12th grade or less _____ College (4 years)
_____ High school graduate _____ Masters degree
_____ College (2 years) _____ Ph.D. degree

Is there anything else you would like to tell us about peanut production and the management of pests on peanuts? If so, please use the space below for that purpose.

Your contribution is greatly appreciated. Please return the questionnaire in the stamped envelope provided.

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