

AGRICULTURAL RESOURCE MANAGEMENT SURVEY

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 Phase II



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PEANUT PRODUCTION PRACTICES REPORT FOR 2018

| | | | | |
|-----------------------------|--|---------------------------|--------------------------|-----------------------------|
| VERSION 10 | | TRACT 01 | SUBTRACT _____ | C-TYPE 111 |
|-----------------------------|--|---------------------------|--------------------------|-----------------------------|

| CONTACT RECORD | | |
|----------------|------|-------|
| DATE | TIME | NOTES |
| | | |
| | | |

INTRODUCTION:
[Introduce yourself, and ask for the operator. Rephrase in your own words.]

The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response is **voluntary**. You may skip any question(s) you prefer not to answer.

We encourage you to refer to your farm records during the interview.

| | | |
|--|---------------------------------|------------------------------|
| BEGINNING TIME <small>[MILITARY]</small> | H H M M 0004 _____ | SCREENING BOX 0006 |
|--|---------------------------------|------------------------------|

[Name, address and partners verified and updated if necessary]

| | |
|-----------------------------|-----------------------------|
| POID _____ | POID _____ |
| PARTNER NAME | PARTNER NAME |
| ADDRESS | ADDRESS |
| CITY STATE ZIP PHONE NUMBER | CITY STATE ZIP PHONE NUMBER |
| POID _____ | POID _____ |
| PARTNER NAME | PARTNER NAME |
| ADDRESS | ADDRESS |
| CITY STATE ZIP PHONE NUMBER | CITY STATE ZIP PHONE NUMBER |

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 65 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

A

PEANUT FIELD SELECTION

A

1. **How many acres of peanuts did this operation plant for the 2018 crop year?** *[If no acres planted, review Screening Survey Information Form, make notes, then go to item 4 on back page].*.....

TOTAL PLANTED ACRES

0050

I will follow a simple procedure to make a random selection from the peanut fields planted for the 2018 crop.

2. **What is the TOTAL number of peanut fields that were planted on this operation?** *[If only one field enter "1" and go to item 5].*.....

TOTAL NUMBER OF FIELDS PLANTED

0020

3. **Please list these fields according to identifying name/number or describe each field, then I will tell you which field has been selected.**

[If there are more than 18 fields make sure item 2 is TOTAL fields planted, and list only the 18 fields closest to the operator's permanent residence. If respondent is unable to identify or describe the fields, use the Field Selection Grid Supplement.]

FIELD NAME, NUMBER OR DESCRIPTION

FIELD NAME, NUMBER OR DESCRIPTION

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____
- 9 _____

- 10 _____
- 11 _____
- 12 _____
- 13 _____
- 14 _____
- 15 _____
- 16 _____
- 17 _____
- 18 _____

APPLY "RANDOM NUMBER" LABEL HERE

4. **[ENUMERATOR ACTION:** *Circle the pair of numbers on the above label associated with*

SELECTED FIELD NUMBER

| |
|------|
| 0021 |
|------|

the last numbered field in item 3. Select the field according to the number you circled on the label, and record the selected number. If only one field, enter 1.]

5. **The field selected is** _____ *(field name/number/description).*

During this interview, the peanut questions will be about this selected peanut field.

[Be sure the operator can identify the selected field.]



B FIELD CHARACTERISTICS---SELECTED FIELD

B

| | |
|---|---|
| <p>1. How many acres of peanuts did this operation plant in this field for the 2018 crop?</p> | <p>ACRES</p> <div style="border: 1px dashed black; padding: 2px;">1301</div> |
| <p>a. Are the acres in this field CERTIFIED ORGANIC? YES = 1 <i>[If YES, skip 1b and ask item 2.]</i></p> | <p>CODE</p> <div style="border: 1px solid black; padding: 2px;">1300</div> |
| <p>b. Was this field transitioning into organic peanut production in 2018? YES = 1</p> | <p>CODE</p> <div style="border: 1px solid black; padding: 2px;">1399</div> |
| <p>2 <i>[If field is SHARE RENTED (item 2 = 4 or 5), ask--]</i> What was the landlord's share of the crop from this field?</p> | <p>PERCENT</p> <div style="border: 1px solid black; padding: 2px;">1304</div> |
| <p>3 What year did you <i>(the operator listed on the label)</i> start operating this field?</p> | <p>YEAR</p> <div style="border: 1px solid black; padding: 2px;">1312</div> |
| <p>4 On what date was this field planted?</p> | <p>MM DD YY</p> <div style="border: 1px solid black; padding: 2px;">1308</div> |
| <p>a. What was your yield goal at planting for this field?</p> | <p>POUNDS PER ACRE</p> <div style="border: 1px solid black; padding: 2px;">1311</div> |

9. What type of peanuts were planted in this field?.....

| | |
|---|----------|
| 1 | Runner |
| 2 | Spanish |
| 3 | Virginia |
| 4 | Valencia |

| CODE | |
|------|--|
| 1540 | |

10. Was the source of the peanut seed--.....

| | |
|---|----------------------|
| 1 | Purchased? |
| 2 | Homegrown or traded? |
| 3 | Both? |

| CODE | |
|------|--|
| 1317 | |

a. Were inoculants used on the seed planted in this field?..... YES = 1

| CODE | |
|------|--|
| 1530 | |

b. [If item 10 = 2 or 3, ask--]
How much of the peanut seed planted in this field was grown (or received in trade) by this operation?.....

| PERCENT | |
|---------|--|
| 1318 | |

11. [If any seed purchased (item 10 = 1 or 3), ask --]
What was the total cost per unit (including both your and the landlord's share) of purchased seed for this field? (Include cost of seed treatment. Exclude inoculants.)

| DOLLARS & CENTS PER UNIT | |
|--------------------------|--|
| 1319 | |

| UNIT CODE | |
|-----------------|--|
| 1 = POUNDS | |
| 2 = CWT | |
| 3 = TONS | |
| 4 = BUSHEL | |
| 22 = ACRE | |
| 23 = 50 LB BAGS | |
| 1320 | |

12. What was the seeding rate per acre the first time this field was planted?.....

| UNITS | |
|-------|--|
| 1313 | |

| UNIT CODE | |
|------------------|--|
| 1 = Pounds/Acre | |
| 2 = CWT/Acre | |
| 4 = Bushels/Acre | |
| 25 = Seeds/Acre | |
| 38 = Seeds/Foot | |
| 1314 | |

a. Was the peanut seed--.....
[If Drilled or Planted (item 12a = 1 or 2, ask--)]

| | |
|---|-------------------------------|
| 1 | Drilled? |
| 2 | Planted in Conventional Rows? |
| 3 | Broadcast on this field? |

| CODE | |
|------|--|
| 1316 | |

13. What was the average peanut row width?.....

| INCHES | |
|--------|--|
| 1322 | |

14. How many acres in this field had to be replanted to peanuts?
(Acres replanted = Number of acres x Number of times replanted.).....

| ACRES | |
|-------|--|
| 1315 | |

15. Was hay harvested from this field?

YES - [Enter code 1 and continue.] NO - [Go to item 17.].....

| CODE | |
|------|--|
| 1520 | |

ACRES

1521

16. How many acres of peanut hay were harvested from this peanut field?

a. How many tons of peanut hay were harvested from these peanut (item 16) acres?

TOTAL TONS

1522

$$\frac{\text{Tons per Acre}}{\text{Acres}} \times \text{Acres} = \text{Total Tons} \quad \text{OR} \quad \frac{\text{Bales}}{\text{Bale}} \times \frac{\text{Lbs per Bale}}{2000} = \text{Total Tons} \dots\dots$$

PERCENT OR TONS

1523

1524

b. Of the total peanut hay harvested from this peanut field (item 16a), what was the landlord's share of the peanut hay?

CODE

1328

17. Has harvest of this field been completed?

18. Now I need information about the acres harvested (or to be harvested) and the yields from this field.

| How many acres in the peanut field were (will be)-- | ACRES | 1 | 2 |
|---|-------|---|--|
| | | What yield per acre did you (or do you Expect to) get for peanuts — | UNIT CODES 1= POUNDS 2= CWT 3= TONS 4= BUSHELS |
| | | UNITS PER ACRE | UNIT CODES |
| a. harvested for nuts? | 1346 | 1347 | 1348 |
| b. harvested for hay, silage or green chop? | 1349 | 1350 | TONS |
| c. harvested for commercial seed contract? | 1431 | 1432 | 1433 |
| d. abandoned? | 1351 | | |
| e. used for some other purpose? | 1439 | | |

CROP CODE LIST for item 19 – PREVIOUSLY PLANTED CROPS

| | | | |
|--------------------|-------------------------------|-----------------------|----------------------------|
| 190 Barley | 3 Dry Beans | 21 Rice | 193 Tobacco, burley |
| 85 Canola | 17 Dry Peas | 22 Rye | 196 Tobacco, flue cured |
| 310 Clover | 311 Grasses other than clover | 98 Safflower | 42 Vegetables |
| 6 Corn for grain | 1 Hay, alfalfa | 25 Sorghum for grain | 163 Wheat, durum |
| 5 Corn for silage | 11 Hay, all other | 24 Sorghum for silage | 164 Wheat, other spring |
| 282 Cotton, Pima | 94 Mustard Seed | 26 Soybeans | 165 Wheat, winter |
| 281 Cotton, Upland | 15 Oats | 28 Sugarbeets | |
| 302 CRP | 16 Peanuts | 30 Sunflowers | 318 No crop planted |
| | 20 Potatoes | 31 Sweet Potatoes | during this period |

19. Next, I need to know what crops were previously PLANTED on the majority of this field, including cover crops.

| 1 | | | 2 |
|---|-----------|-----------|---------------------------------|
| What crops were PLANTED on this field in--- | | | Was this field no-tilled? 1/ |
| SEASON AND YEAR | CROP NAME | CROP CODE | YES = 1 |
| a. FALL of 2012? | | 1343 | 1345 |
| b. SPRING/SUMMER of 2012? | | 1369 | 1371 |
| c. FALL of 2011? | | 1372 | 1374 |
| d. SPRING/SUMMER of 2011? | | 1375 | 1377 |
| e. FALL of 2010? | | 1378 | 1380 |
| f. SPRING/SUMMER of 2010? | | 1381 | 1383 |
| g. FALL of 2009? | | 1366 | 1368 |
| h. SPRING/SUMMER of 2009? | | 1340 | 1342 |

1/ Soil and previous crop residue left undisturbed from harvest to planting.



20. In 2018, did your land-use practices for this field include any of the following---

| 1 LAND-USE PRACTICE | 2 Was this practice used? YES = 1 | 3 What year was this practice first used? YEAR | 4 Was (or will there be) an incentive or cost share received from: 1 Environmental Quality Incentives Program (EQIP)? 2 Conservation Security or Conservation Stewardship Programs (CSP)? 3 Conservation Reserve Program (CRP)? 4 Any other Federal, State, Local or non-government source? CODE |
|---|---|--|--|
| a. Terraces. | 1420 | 1441 __ __ __ __ | 1451 |
| b. Grade stabilization structures. | 1422 | 1442 __ __ __ __ | 1452 |
| c. Grassed waterways. | 1438 | 1443 __ __ __ __ | 1453 |
| d. Structures for water control basins. | 1424 | 1444 __ __ __ __ | 1454 |
| e. Filter strips. | 1426 | 1445 __ __ __ __ | 1455 |
| f. Field borders. | 1427 | 1446 __ __ __ __ | 1456 |
| g. Riparian buffers (i.e., grass buffers). | 1428 | 1447 __ __ __ __ | 1457 |
| h. Contour farming and strip cropping. | 1434 | 1448 __ __ __ __ | 1458 |
| i. Conservation tillage/no-till. | 1437 | 1449 __ __ __ __ | 1459 |

OFFICE USE

| |
|------|
| 1440 |
|------|

21. **Has the Natural Resource Conservation Service (NRCS) classified any part of this field as “Highly Erodible”?** (Cropland identified as highly erodible is subject to highly erodible land conservation (HELC) requirements. Producers who receive farm program payments are required to have (and apply) a written soil conservation plan.) (A “written plan” is a plan prepared in accordance with Federal, State, or district standards.) **YES = 1**

| |
|-------------|
| CODE |
| 1404 |

22. **Have you been notified by NRCS that this field contains a wetland?** **YES = 1**

| |
|------|
| 1405 |
|------|

23. **During 2018, did any written plan of the following types cover this field—**
(Include HELC plans and other written plans prepared in compliance with Federal, State, or local regulation.)

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| WRITTEN PLAN TYPE | Was this type of written plan used? YES = 1 | What year was this plan implemented? YEAR | For any practice that is part of this plan, was (or will there be) an incentive or cost-share payment received from: CODE |
| a. Conservation plan specifying practices to reduce soil erosion? | 1408 | 1409 ____ _ | 1461 |
| b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure? | 1410 | 1411 ____ _ | 1462 |
| c. Nutrient management plan specifying practices for land application of manure only? | 1412 | 1413 ____ _ | 1463 |
| d. Pest management plan to implement Integrated Pest Management (IPM) practices to control weeds, insects, and/or plant diseases? | 1414 | 1415 ____ _ | 1464 |
| e. Irrigation water management plan specifying practices for applying or conserving irrigation water? | 1416 | 1417 ____ _ | 1465 |

For any practice that is part of this plan, was (or will there be) an incentive or cost-share payment received from:

- 1 Environmental Quality Incentives Program (EQIP)?
- 2 Conservation Security or Conservation Stewardship Programs (CSP)?
- 3 Conservation Reserve Program (CRP)?
- 4 Any other Federal, State, Local or non-government source?

24. Is this field included in an existing conservation program contract for which you or the landlord have received (or expect to receive) cost sharing payments, stewardship payments, or incentive payments? [Be sure to consider grassed waterways and filter strips or riparian buffers, or drainage area, on or adjoining this field. Also, be sure to

| CODE | |
|---------|------|
| YES = 1 | 1403 |

[If item 24 is YES, ask item 24a; else go to item 24b.]

a. Have you received (or will you receive) cost sharing or incentive payments from--

- | |
|--|
| 1 Environmental Quality Incentives Program (EQIP) |
| 2 Conservation Security or Conservation Stewardship Programs (CSP) |
| 3 Conservation Reserve Program (CRP) |
| 4 Other Federal, State, Local or non-government source |

| CODE | |
|------|------|
| | 1418 |

b. During the past 4 years, was this field included in an application that was rejected or has not yet been approved or funded under the--

- | |
|--|
| 1 Environmental Quality Incentives Program (EQIP) |
| 2 Conservation Security or Conservation Stewardship Programs (CSP) |
| 3 Conservation Reserve Program (CRP) |
| 4 Other Federal, State, Local or non-government source |

| | |
|--|------|
| | 1419 |
|--|------|

25. In applying for and participating in the conservation program you listed in item 24a or 24b, please indicate the approximate time you spent on the following activities:

- a. Learning about the program in general, on your own or at meetings?
- b. Planning or designing specific practices for your farm (on your own or in meetings with USDA staff, contractors, or others)?
- c. Collecting information (e.g. field characteristics, maps, soil test results) that was needed to fill out program application forms?
- d. Filling out the program application forms?
- e. If your offer was accepted, understanding and signing the contract? [Enter zero if offer was not accepted.]
- f. If your offer was accepted, documenting compliance after the practices were installed or adopted? [Enter zero if offer was not accepted.]

| HOURS | |
|-------|------|
| | 1352 |
| | 1353 |
| | 1354 |
| | 1355 |
| | 1356 |
| | 1357 |

26. If you did not apply for conservation program funding for this field in the past four years, what were your reasons?

| | Agree | Neutral | Disagree | CODE |
|---|----------------------------|----------------------------|----------------------------|------|
| a. I was not aware of USDA or other conservation programs. | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1358 |
| b. I am not aware of environmental problems (on this field).. | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1359 |
| c. Payments are not high enough | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1360 |
| d. Government standards make practices more expensive than they need to be to get the job done.. | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1361 |
| e. My offer would not have been accepted because the problems in this field are not national or state priorities. | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1362 |
| f. The application process is too complicated and time consuming. | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1363 |
| g. Documenting compliance would be too complicated and time consuming.. . . . | <input type="checkbox"/> 2 | <input type="checkbox"/> 3 | <input type="checkbox"/> 4 | 1364 |

27. Were the peanuts in this field covered by Federal Crop Insurance in 2018?

YES – [Enter code 1 and continue.] NO – [Go to item 29].

CODE

1385

a. Which coverage did you obtain?

- 1 Federal CAT (basic catastrophic insurance)
- 2 Buy-up above federal CAT yield and/or price level
- 3 Revenue insurance
- 4 Organic plan insurance
- 5 Other Federal Crop insurance

CODE

1386

b. [If item a = 2, ask--]

PERCENT

What was your yield level of your buy-up coverage for this field?

1387

What was your price level of your buy-up coverage for this field?

1388

c. [If item a = 3, ask--]

PERCENT

What was the level of revenue coverage you obtained for this field?

1389

28. If you were to plant peanuts in this field again, would you choose a higher, lower, or equal level of coverage under the same Federal crop insurance plan type as you bought this time?

1 - Higher 2 – Lower 3 - Equal.

CODE

1392

29. Were the peanuts in this field covered by private crop insurance in 2018 (hail, wind, freeze, etc.)?

YES – [Enter code 1 and continue] NO – [Go to Section C].

CODE

1393

a In what year did you (the operator listed on this label) first purchase private crop insurance for this field?

YEAR

1397

b Did you (or will you) collect an indemnity payment for this field from private crop insurance during 2018? YES = 1

CODE

1394

Notes:

C NUTRIENT or FERTILIZER APPLICATIONS---SELECTED FIELD

C

| | | |
|--|-------------|-------------------|
| | CODE | EDIT TABLE |
| 1. Were commercial nutrients or fertilizers applied to this field for the 2018 peanut crop? YES = 1 | 0202 | 0200 |

[If COMMERCIAL nutrient or fertilizer applied, continue; else go to item 6.]

| | |
|---|-----------------------|
| 2. How many commercial nutrient or fertilizer applications were made to this field for the 2018 crop? (Include applications made by airplanes and custom applicators.) | NUMBER 0203 |
|---|-----------------------|

3. **Now I need to record information for each application.**

CHECKLIST

| | | | |
|--------------------------|--|--------------------------|--|
| √ | INCLUDE | √ | EXCLUDE |
| <input type="checkbox"/> | Custom applied nutrients and fertilizers | <input type="checkbox"/> | Micronutrients |
| <input type="checkbox"/> | Nutrients or fertilizers applied in the fall of 2012 and those applied earlier if this field was fallow in 2012. | <input type="checkbox"/> | Unprocessed manure |
| <input type="checkbox"/> | Commercially prepared manure or compost | <input type="checkbox"/> | Nutrients or fertilizers applied to previous crops in this field |
| | | <input type="checkbox"/> | Lime and Gypsum/landplaster |

| | | |
|----------------------------------|------------------|------|
| Office Use Lines in Table | TABLE 001 | 0299 |
|----------------------------------|------------------|------|

| APPLICATION CODES for COLUMN 6 | |
|---|--------------------------------|
| 1 Broadcast, ground without incorporation | 5 In irrigation water |
| 2 Broadcast, ground with incorporation | 6 Chisel/Injected or knifed in |
| 3 Broadcast, by aircraft | 7 Banded in or over row |
| 4 In seed furrow | 8 Foliar or directed spray |

| LINE | 2 MATERIALS USED | | | | 3 | 4 | 5 | 6 | 7 |
|-----------|---|-------------------|---------------|-------------|--|---|---|-----------------------------|--|
| | [Enter percentage analysis or actual pounds of plant nutrients applied per acre.] | | | | What quantity was applied per acre? | [Enter material code.] | When was this applied? | How was this applied? | How many acres were treated in this application? |
| | N Nitrogen | P2O5 Phosphate | K2O Potash | S Sulfur | [Leave this column blank if actual nutrients were reported.] | 1 Pounds 12 Gallons 19 Pounds of actual nutrients | 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding | [Refer to code list above.] | ACRES |
| 01 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 02 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 03 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 04 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 05 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 06 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 07 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |
| 08 | 31 | 32 | 33 | 34 | 36 | 37 | 38 | 39 | 40 |

| | |
|------------------|----------------|
| TABLE 000 | LINE 00 |
|------------------|----------------|

4. **Were any nutrients or fertilizers applied by custom applicators?**

YES - [Continue] **NO** - [Go to item 5]

a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?

OFFICE USE

0215

YES - [Continue] **NO** - [Go to item 5]

CODE

0218

6. **Was gypsum applied to this field for the 2018 peanut crop? YES = 1**

7. **Was a soil or plant tissue test performed on this peanut field in 2012 or 2018 for the 2018 crop?**

YES [Continue.] **NO** [Go to item 12.]

CODE

0225

8. **Was a soil test for phosphorus performed on this peanut field in 2012 or 2018 for the 2018 crop? YES = 1**

a. [If phosphorus test done, ask---]

POUNDS PER ACRE

How many pounds of phosphorus (per acre) were recommended (by the phosphorus test)?

0226

CODE

0227

9. **Was a soil test for nitrogen performed on this peanut field in 2012 or 2018 for the 2018 crop? YES = 1**

a. [If nitrogen test done, ask---]

POUNDS PER ACRE

How many pounds of nitrogen (per acre) were recommended (by the nitrogen test)?

0228

CODE

0229

10. **Was a plant tissue test or leaf analysis for nutrient deficiency performed on this field for the 2018 crop? YES = 1**

11. **How much was spent for these soil and plant tissue tests on this field? [Include landlord and contractor costs].**

DOLLARS & CENTS PER ACRE

0230

OR

TOTAL DOLLARS

0231

a. If tests were done at no cost explain---

- 1 Soil/plant tissue test provided free of charge by dealer, crop consultant, or extension service.
- 2 Soil/plant tissue test costs were included in the total fertilizer costs reported in item 5.
- 3 Some other reason.

CODE

0232

[ENUMERATOR ACTION: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete item 12. If NO nitrogen applied, go to item 13.]

12. Was the amount of nitrogen you decided to apply to this field based on---

CODE

| | | | |
|----|---|---------|------|
| a. | Results of a soil or plant tissue test? | YES = 1 | 0233 |
| b. | Crop consultant recommendation? | YES = 1 | 0234 |
| c. | Fertilizer dealer recommendation? | YES = 1 | 0235 |
| d. | Extension Service recommendation? | YES = 1 | 0236 |
| e. | Cost of nitrogen and/or expected commodity price? | YES = 1 | 0237 |
| f. | Contractor recommendation? | YES = 1 | 0238 |
| g. | Routine practice (operator's own determination based on past experience, yield goal, etc.)? | YES = 1 | 0239 |

CODE

| | | |
|---|---------|------|
| 13. Is lime ever applied to this field? | YES = 1 | 0242 |
|---|---------|------|

[If no lime applied, go to item 14; else continue.]

YEARS

| | | |
|----|--|------|
| a. | On average, how many years are there between applications of lime to this field? | 0243 |
|----|--|------|

TONS PER ACRE

| | | |
|----|---|------|
| b. | How many tons of lime were applied per acre the last time it was applied to this field? | 0244 |
|----|---|------|

CODE

| | | | |
|----|---|---------|------|
| c. | Was lime applied to this field in 2012 or 2018 for the 2018 crop? | YES = 1 | 0240 |
|----|---|---------|------|

d. [If field is rented (Section B, item 2 = 2, 3, 4, or 5), ask---

PERCENT

| | |
|---|------|
| Considering the last time it was applied, what percent of the total cost of lime and its application was paid by the landlord(s)? | 0245 |
|---|------|

14. Was non-commercial manure (from own farm, from a neighbor's farm, etc.) or other organic material (excluding compost) applied to this field for the 2018 peanut crop? (Exclude commercially prepared manure.)

CODE

| | | |
|--|--|------|
| <input type="checkbox"/> YES - [Enter code 1 and continue] | <input type="checkbox"/> NO - [Go to item 16]. | 0246 |
|--|--|------|

ACRES

| | | |
|----|---|------|
| a. | How many acres in this field was manure applied to? | 0247 |
|----|---|------|

| | | | | | | | | | | | | |
|----|--|--------|-----------|-----------|------|------|-----|----------------|------|----|-------------|------|
| b. | What was the amount of manure applied to this field? | 1 Tons | 2 Gallons | 3 Bushels | CODE | 0248 | AND | UNITS PER ACRE | 0249 | OR | TOTAL UNITS | 0250 |
|----|--|--------|-----------|-----------|------|------|-----|----------------|------|----|-------------|------|

MILES

c. What is the distance between the manure storage/production location and this field? 0251

- 1 Tons
- 2 Gallons
- 3 Bushels,

CODE

TOTAL UNITS

d. What was the capacity of the manure spreader (or other vehicle) used to haul manure to this field? 0252 AND 0253

e. Of the total manure applied to this field for the 2018 crop, what was the percent of manure applied---

PERCENT

- (i) in the fall before planting? + 0254
- (ii) in the spring before planting? + 0255
- (iii) after planting? + 0256

100%

f. Was the manure---

- 1 Lagoon liquid?
- 2 Slurry liquid?
- 3 Semi-dry or dry

CODE

0257

g. Was the manure---

- 1 Broadcast or sprayed *without* incorporation?
- 2 Broadcast or sprayed *with* incorporation?
- 3 Injected/knifed in?
- 4 Sprayed using irrigation systems?

CODE

0258

h. Was the major source of the manure from---

- 1 1 Beef cattle?
- 2 2 Dairy cattle?
- 3 3 Hogs?
- 4 4 Sheep?
- 5 5 Poultry?
- 6 6 Equine?
- 7 7 Biosolids (*municipal sludge*)?
- 8 8 Food waste?
- 9 9 Other? [*Specify: _____*]

CODE

0259

i. Was the manure---

- 1 Produced on this operation?
- 2 Purchased?
- 3 Obtained at no cost off this operation?
- 4 Obtained with compensation? (*Operator received payment for accepting the manure*)

CODE

0260

(ii) Did you hire someone to custom apply the manure? YES = 1 0286

CODE

0286

j. Of the manure applied to this field, was any tested for nutrient content prior to application? YES = 1 0261

CODE

0261

k. Was the application rate of commercial nitrogen fertilizer on this field reduced due to manure application? YES = 1 0262

PERCENT

0263

(i) [If YES, ask---

By what percent did you reduce the commercial nitrogen fertilizer application rate on this field?

CODE

l. Did you adjust the peanut harvest date for this field due to the application of manure? YES = 1 0280

0280

15. Were the manure APPLICATION RATES to this field influenced by Federal, State, or local restrictions?

YES = 1

CODE

0264

a. [If item 14 is YES, ask---]

What basis was used to determine these manure application rate restrictions--

CODE

(i) Nitrogen requirement of the crop?

YES = 1

0265

(ii) Phosphorus requirement of the crop?

YES = 1

0266

16. Was compost applied to this field for the 2018 peanut crop?

YES - [Enter code 1 and continue]

NO - [Go to item 17].

CODE

0267

a. How many acres in this field was the compost applied?

ACRES

0268

b. What was the amount of compost applied to this field?

- 1 Tons
- 2 Cubic Yards

CODE

0269

UNITS PER ACRE

0270

AND

OR

TOTAL UNITS

0271

[Enter up to 3 source codes]

FIRST

0281

SECOND

0282

THIRD

0283

c. Were the major sources of the compost from---

- 1 Beef cattle?
- 2 Dairy cattle?
- 3 Hogs?
- 4 Sheep?
- 5 Poultry?
- 6 Equine?
- 7 Biosolids (municipal sludge)?
- 8 Food waste?
- 9 Crop? [Specify: _____]
- 10 Other? [Specify: _____]

d. Was the compost---

- 1 Produced on this operation?
- 2 Purchased?
- 3 Obtained at no cost off this operation?
- 4 Obtained with compensation? (Operator received payment for accepting the compost.)

CODE

0272

(i) [If item 16d = 2, ask---]

What was the total cost of the purchased compost applied to this field? (Include operator, landlord, and contractor costs and any payment made for transportation costs.)

DOLLARS & CENTS PER ACRE

0273

OR

TOTAL DOLLARS

0274

(ii) Did you hire someone to custom apply the compost?

YES = 1

CODE

0275

(iii) [If item 16d = 1, ask---]

What is the distance between the compost storage/production location and this field?

MILES

0291.____

17. Compared to the last time you planted peanuts, did you make any of the following changes to your cropping practices with the intent of reducing commercial fertilizer use?

| | | CODE |
|-----|---|------------------------|
| a. | Change the type of commercial fertilizer products applied on this field [e.g. less anhydrous ammonia and more urea]. | 1226 |
| | YES=1 | |
| b. | Manage fertilizer use more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on this field? | 1228 |
| | YES=1 | |
| c. | Change your crop rotation [e.g. plant peanuts on this field rather than usual crop rotation]?. | 1227 |
| | YES=1 | |
| d. | Reduce the application of commercial nitrogen fertilizer? | 1224 |
| | YES=1 | |
| (i) | [If YES, ask--] | |
| | By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 2018? | PERCENT 1225 |

D BIOCONTROL or PESTICIDE APPLICATIONS---SELECTED FIELD

D

Now I have some questions about all the biocontrols or pesticides used on this field for the 2018 peanut crop, including both custom applications and applications made by this operation.

| | |
|------|------------|
| CODE | EDIT TABLE |
| 0302 | 0300 |

1. Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this peanut field for the 2018 crop? YES = 1

[Probe for applications made in the fall of 2012 (and those made earlier if this field was fallow).]

If no biocontrols or pesticides applied, go to Section E.

| | |
|---|--|
| Include defoliants, fungicides, herbicides, insecticides, and other pesticides. Include biological and botanical pesticides. | Exclude nutrients or fertilizers reported earlier and seed treatments. |
|---|--|

| | | |
|------------------------------|--------------|------|
| OFFICE USE LINES IN TABLE | TABLE 001 | 0399 |
|------------------------------|--------------|------|

| CHEMICAL PRODUCT NAME | L I N E | 2 | 3 | 4 | 5 | 6 | OR | 7 | 8 | |
|-----------------------|---------|--|--|---|--|--|--|--|-------|----|
| | | What products were applied to this field? [Show product codes from Respondent Booklet.] | Was this product bought in liquid or dry form? [Enter L or D] | Was this part of a tank mix? [If tank mix, enter line number of first product in mix.] | When was this applied? 1 BEFORE planting 3 AT planting 4 AFTER Planting | How much was applied per acre per application? | What was the total amount applied per application in this field? | [Enter unit code.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams | | |
| | 01 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 02 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 03 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 04 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 05 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 06 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 07 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 08 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 09 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 10 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 11 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 12 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 13 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |
| | 14 | 61 | | 63 | 64 | 65 | _____ | 73 | _____ | 74 |

2. [For biocontrols or pesticides not listed in Respondent Booklet, specify---]

| LINE | Pesticide Type (Herbicide, Insecticide Fungicide, etc.) | EPA No. or Trade name and Formulation | Form Purchased (Liquid or Dry) | Where Purchased [Ask ONLY if EPA No. cannot be reported.] |
|-------|--|---------------------------------------|-----------------------------------|--|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |



3. **Were any chemicals, biocontrols, or pesticides applied by custom applicators?**

- YES** – [Continue] **NO** – [Go to item 4]

a. Are you able to report the cost of chemical, biocontrol, and pesticide products and custom application separately?

- YES** – [Continue] **NO** – [Go to item 4]

OFFICE USE

0324

NOTE 1: *If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Biocontrol or Pesticide Table.*
NOTE 2: *If custom applied and the costs for materials can be separated from application costs, include the cost for materials only. Otherwise, report both the material and application costs in item 4.*



E PEST MANAGEMENT PRACTICES---SELECTED FIELD E

Now I have some questions about your pest management decisions and practices used on this field for the 2018 peanut crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

ENUMERATOR ACTION: Were PESTICIDE applications reported in Section D?

- YES – [Continue]
- NO – [Go to item 6]

- | | | CODE |
|---|---------|------|
| 1. Was weather data used to assist in determining either the need or when to make pesticide applications? | YES = 1 | 0800 |
| 2. Were any biological pesticides such as Bt (<i>Bacillus thuringiensis</i>), insect growth regulators, neem or other natural/biological based products sprayed or applied to manage pests in this field? | YES = 1 | 0801 |
| 3. Were pesticides with different mechanisms of action rotated or tank mixed for the primary purpose of keeping pests from becoming resistant to pesticides? | YES = 1 | 0802 |

ENUMERATOR ACTION: Were HERBICIDE (pesticide product codes 40000-49999) applications reported in Section D, item 1, column 2?

- YES – [Continue]
- NO – [Go to item 6]

- | | | |
|---|---------|------|
| 4. Were herbicides applied to this peanut field BEFORE weeds emerged? | YES = 1 | 0803 |
| 5. Were herbicides applied to this peanut field AFTER weeds emerged? | YES = 1 | 0805 |

- | | | | | |
|---|---|-------|------|------|
| 6. In 2018, how was this field primarily scouted for insects, weeds, diseases, and/or beneficial organisms? | 1 By deliberately going to the field specifically for scouting activities [Enter code 1 and go to item 7.] 2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 9.] 3 This field was not scouted. [Enter code 3 and go to item 14.] | | CODE | 0808 |
|---|---|-------|------|------|

- | | | |
|--|---------|------|
| 7. Was an established scouting process (systematic sampling, recording counts, etc.) used or were insect traps used in this field? | YES = 1 | 0809 |
| 8. Was scouting for pests done in this field due to--- | | |
| a. a pest advisory warning? | YES = 1 | 0810 |
| b. a pest development model? | YES = 1 | 0811 |

| 1 | | 2 | 3 |
|--|------|---|--|
| | | [If YES, ask---] What was the infestation level for [column 1]?— | [If column 1 = YES, ask---] Who did the majority of the scouting for [column 1]? |
| | | 1 Worse than normal 2 Normal 3 Less than normal | 1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout |
| 9. Was this peanut field scouted for-- | | YES = 1 | CODE |
| | | CODE | CODE |
| a. Weeds? | 0812 | 0813 | 0814 |
| b. Insects or mites? | 0815 | 0816 | 0817 |
| c. Diseases? | 0818 | 0819 | 0820 |

[If scouted by crop consultant or commercial scout, ask item 10; else go to item 11.]

OFFICE USE

a. [If scouting performed at no cost, explain: _____]

CODE

11. Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases? YES = 1

12. Were scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in this field? YES = 1

13. Did you use field mapping of previous weed problems to assist you in making weed management decisions? YES = 1

14. **Did you do any of the following other type(s) of pest management practices for the specific purpose of managing or reducing the spread of pests in this field?**

[Enter code "1" for all that apply.]

| | | CODE |
|-----|---|------|
| a. | Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field? | 0841 |
| | YES = 1 | |
| b. | Plow down crop residue (<i>using conventional tillage</i>)?. | 0842 |
| | YES = 1 | |
| c. | Remove/burn down crop residue?. | 0843 |
| | YES = 1 | |
| d. | Rotate crops in this field during the past three years?. | 0844 |
| | YES = 1 | |
| e. | Maintain ground covers, mulches, or other physical barriers?. | 0845 |
| | YES = 1 | |
| f. | Choose crop variety because of specific resistance to a certain pest?. | 0846 |
| | YES = 1 | |
| g. | Use no-till or minimum till?. | 0847 |
| | YES = 1 | |
| h. | Plan planting locations to avoid cross infestation of pests?. | 0848 |
| | YES = 1 | |
| i. | Adjust planting or harvesting dates?. | 0849 |
| | YES = 1 | |
| j. | Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines?. | 0850 |
| | YES = 1 | |
| k. | Clean equipment and field implements after completing field work to reduce the spread of pests?. | 0851 |
| | YES = 1 | |
| l. | Adjust row spacing, plant density or row directions?. | 0852 |
| | YES = 1 | |
| m. | Have the seed treated for insect or disease control after you purchased the seed for this field?. | 0854 |
| | YES = 1 | |
| n. | Maintain a beneficial insect or vertebrate habitat?. | 0855 |
| | YES = 1 | |
| o. | Maintain buffer strips or border rows to isolate organic peanuts from non-organic crops or land, or did you take a buffer harvest?. | 0856 |
| | YES = 1 | |
| p. | Use a flamer to kill weeds?. | 0857 |
| | YES = 1 | |
| q. | Plant earlier or later to avoid weeds?. | 0865 |
| | YES = 1 | |
| 15. | Were any beneficial organisms (insects, nematodes, fungi) applied or released in this field to manage pests? | 0853 |
| | YES = 1 | |
| 16. | Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field? | 0858 |
| | YES = 1 | |

- | | CODE |
|--|------|
| 17. Was a trap crop (excluding fallow) grown to help manage insects in this field?..... YES = 1 | 0863 |
| 18. Was this field left in fallow in 2012 to help manage insects on this field?..... YES = 1 | 0864 |
| 19. Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage pests or toxin-producing fungi and bacteria?..... YES = 1 | 0861 |

PEST MANAGEMENT INFORMATION

20. [Show Pest Management Information Sources Code List from Respondent Booklet.]

Which is the most important outside source of information on pest management practices and products used for the 2018 peanut crop?

PEST MANAGEMENT INFORMATION SOURCES CODE LIST

- | | |
|----|--|
| 1 | County, Cooperative, or University Extension Advisor, Publications or Demonstrations |
| 2 | Farm Supply or Chemical Dealer |
| 3 | Commercial Scouting Service |
| 4 | Independent Crop Consultant or Pest Control Advisor/Custom Applicator |
| 5 | Other Growers or Producers |
| 6 | Producer Associations, Newsletters or Trade Magazines |
| 7 | Electronic Information Services (DTN, Internet, World Wide Web, etc.) |
| 8 | Employee Pest Advisor |
| 9 | Other – (Specify: _____) |
| 10 | None – Operator used no outside information source |

| | |
|-------|------|
| | CODE |
| | 0826 |

| Completion Code for Pest Management Data | |
|--|------|
| 1 | 0500 |
| Incomplete/Refusal | |



Notes:

1. Including custom operations, I need to list field work performed by machines on this field for the 2018 peanut crop. Please...

- ▶ begin with the first field operation after harvest of previous crop, including operations for a cover crop established since the previous crop harvested [if fallow during 2012, list operations starting with fall 2011];
- ▶ list the operations in order through harvest and hauling of this crop to storage or first point of sale; and
- ▶ maintain the order of tandem hook-ups.

| CODES FOR COLUMN 5 | |
|--------------------|-----------------------------------|
| 1 | You (the Operator) |
| 2 | Partner |
| 3 | Unpaid Worker |
| 4 | Paid Part-time or Seasonal Worker |
| 5 | Paid Full-time Worker |
| 6 | Custom Applicator |

OFFICE USE
LINES IN TABLE

0499

CHECK LIST

Include all field work using machines for---

- Land Forming/Levee Building
- Tillage
- Preparing for Irrigation
- Planting
- Fertilizer & Pesticide applications
- Harvesting & Hauling to storage or first point of sale

Exclude

- Lime & Gypsum/landplaster applications
- Non-Commercial Manure applications & Compost

| LINE No. | SEQUENCE No. | 3 What operation or equipment was used? | 4 [Record machine code from Respondent Booklet.] CODE | 5 Who was the machine operator- [Enter code from above.] CODE | [IF CUSTOM (column 5 = code 6), skip columns 6-11] | | | | | | |
|-------------|-----------------|--|---|---|--|---------------------------------------|--|----|--|--|--|
| | | | | | 6 What was the size or swath of the [machine] used? | 7 [Record size unit code.] CODE | 8 How many acres were covered? ACRES | OR | 9 How many TOTAL HOURS were spent on land forming and hauling? HOURS | 10 Which Power Source was used? ^{1/} CODE | 11 What was the fuel type of the tractor? CODE |
| 01 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 02 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 03 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 04 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 05 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 06 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 07 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 08 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 09 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 10 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 11 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 12 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 13 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 14 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 15 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 16 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 17 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |
| 18 | 87 | | 88 | 89 | 90 | 91 | 92 | . | 93 | 94 | 95 |

^{1/} If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet.

OFFICE USE

0400

2. **Now I need some additional information about your labor.**

Please report the paid and unpaid labor that worked on this field to produce the 2018 peanut crop.
 (**Exclude** labor that was reported for field work performed by machines.)

| TYPE OF WORKERS | 1 How many hours did (type of worker) spend on this field--- | | |
|---|---|-------------------|--|
| | a. scouting for weeds, insects and diseases? | b. irrigating? | c. performing other work by hand? |
| | HOURS | HOURS | HOURS |
| You (the operator) | 1101 | 1102 | 1103 |
| Partner(s) | 1104 | 1105 | 1106 |
| Unpaid workers | 1107 | 1108 | 1109 |
| Paid part-time or seasonal workers (Exclude custom and contract labor) | 1110 | 1111 | 1112 |
| Paid full-time workers (Exclude custom and contract labor) | 1113 | 1114 | 1115 |

3. **What was the average hourly wage rate paid to part-time or seasonal hired workers?**
 (**Exclude** custom and contract workers, payroll taxes and benefits.)

DOLLARS & CENTS
PER HOUR

1119

4. **What was the average hourly wage rate paid to full-time hired workers?**
 (**Exclude** custom and contract workers, payroll taxes and benefits.)

DOLLARS & CENTS
PER HOUR

1118

5. **Was any contract labor used on this field?** YES = 1

CODE

1116

a. [If YES, ask ---]

DOLLARS & CENTS
PER ACRE

What was the average cost per acre for this contract labor?
 (**Include** operator, landlord, and contractor costs.)

1117

6. **What percent of the total number of unpaid hours worked on this field was performed by workers under 16 years of age?** (*Estimates of labor costs for unpaid workers are based on off-farm wage rates, which are different for workers under 16 relative to those 16 and older.*)

PERCENT

1120

7. Now I need some information on how much was spent (or will be spent) for custom services used on this field for the 2018 peanut crop.

| 1 CUSTOM SERVICE Which of the following services were performed for the 2018 peanut crop on this field? ← [Check box for each service performed; refer to item 1 if necessary.] | 2 Including operator, landlord, and contractor costs, how much was spent for [column 1] on this field for the 2018 peanut crop? DOLLARS & CENTS PER ACRE |
|---|--|
| <input checked="" type="checkbox"/> a. Custom preparation, shaping and/or leveling $\frac{\text{Cost per hour} \times \text{Total hours}}{\text{Total acres in the field}} = \text{Dollars \& cents per acre}$ | 1121 . ____ |
| <input type="checkbox"/> c. Custom cultivating. | 1122 . ____ |
| <input type="checkbox"/> c. Custom planting and/or reseeding | 1123 . ____ |
| <input type="checkbox"/> d. Custom harvesting | 1124 . ____ |
| <input type="checkbox"/> e. Custom hauling to storage or point of first sale $\frac{\text{Dollars \& cents per unit} \times \text{Total units hauled from field}}{\text{Acres harvested in field}} = \text{Dollars \& cents per acre}$ | 1126 . ____ |
| <input type="checkbox"/> f. Custom harvesting and hauling from field to storage or point of first sale $\frac{\text{Dollars \& cents per unit} \times \text{Total units hauled from field}}{\text{Acres harvested in field}} = \text{Dollars \& cents per acre}$ | 1127 . ____ |
| <input type="checkbox"/> g. Custom raking, baling, and hauling the hay from this field $\frac{\text{Dollars \& cents per unit} \times \text{Total units hauled from field}}{\text{Acres harvested in field}} = \text{Dollars \& cents per acre}$ | 1128 . ____ |

8. Did you hire any technical or consultant services to make recommendations (such as for nutrient, pest control, irrigation, or precision farming) for this field?

YES – [Continue] NO – [Go to item 10]

Which of the following services did you obtain?

| | CODE |
|--|------|
| a. Nutrient recommendations/management service? YES = 1 | 1129 |
| b. Soil or tissue sample collection? YES = 1 | 1130 |
| c. Pest control recommendations/management service? YES = 1 | 1131 |
| d. Pest scouting? YES = 1 | 1132 |
| e. Irrigation management service (i.e. irrigation scheduling)? YES = 1 | 1133 |
| f. Yield map or remote sensing map development/interpretation? YES = 1 | 1134 |
| g. Other custom or technical service? [Specify: _____] YES = 1 | 1135 |

CODE

| | | |
|---|---|------|
| 10. Was there (or will there be) a yield monitor on the equipment used to harvest this peanut field? | YES = 1 | 1138 |
| [If YES, continue; else go to item 11] | | |
| a. Was there (or will there be) a yield map produced from this harvest using information from the yield monitor? | YES = 1 | 1139 |
| b. Did you use the yield monitor information to--- | | |
| (i) monitor crop moisture content to determine need for crop drying? | YES = 1 | 1140 |
| (ii) add/improve tile drainage? | YES = 1 | 1141 |
| (iii) negotiate new crop leases? | YES = 1 | 1144 |
| (iv) other uses [specify:] | YES = 1 | 1147 |
| 11. During 2012 or 2018, was a GPS (Global Positioning System) device used to produce a map of the soil properties (such as nitrate levels, PH, soil type, etc.) of this field? | YES = 1 | 1148 |
| a. [If YES, ask--] | | |
| Was the information collected above based on--- | <div style="border: 1px solid black; padding: 2px;"> 1 soil tests from this field? 2 a machine that measured electrical conductivity of the soil in this field (e.g. Veris machine)? 3 other? [Specify: _____] </div> | 1149 |
| 12. Did you have an airplane or satellite provide an image or photograph of this field either at the start or during the 2018 growing season? | YES = 1 | 1151 |
| 13. Was a variable rate applicator used on this field for--- | | |
| a. fertilization or lime application? | YES = 1 | 1152 |
| b. seeding? | YES = 1 | 1158 |
| c. pesticide applications? | YES = 1 | 1159 |
| 14. Was a guidance or parallel swathing system (connected to GPS) used with any machine operation on this field (e.g. light bar)? | YES = 1 | 1150 |



Notes:

G

IRRIGATION

G

| | |
|---|--|
| <p>1. How many acres in this field were irrigated for the 2018 peanut crop? <i>[If none, go to Conclusion].</i></p> | <p style="text-align: right; margin: 0;">ACRES</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">1160</div> |
|---|--|

2. **Now, I have some questions about irrigation systems and water used on this field for the 2018 peanut crop.**

| | UNIT | SYSTEM 1 | SYSTEM 2 |
|---|------------------------|--|----------|
| ↓ | | | |
| a. What type(s) of irrigation system(s) was (or were) used to irrigate this field? <i>[Show System Type Codes in the Respondent Booklet. Enter System Type Code for up to two systems covering the most field acres.]</i> | SYSTEM TYPE CODE | 1161 | 1175 |
| b. What was the total quantity of water applied to this field during the entire growing season? <i>(Include ALL water used from both on-farm and off-farm sources.)</i> | INCHES PER ACRE | 1162 | 1176 |
| | OR TOTAL ACRE-FEET | 1163 | 1177 |
| <i>[If operator cannot provide item 2b, ask (i) & (ii), else go to 2c]</i> | | | |
| (i) What is the total number of hours this system was used to apply water to this field during the peanut growing season? | TOTAL HOURS | 1164 | 1178 |
| (ii) How many gallons per minute were applied? | GALLONS PER MINUTE | 1165 | 1179 |
| c. What percent of the water used to irrigate this field through this system came from surface water sources? | PERCENT | 1166 | 1180 |
| d. What was the number of times this field was irrigated during the peanut growing season using this system? <i>(Include any pre-plant irrigation.)</i> | NUMBER OF IRRIGATIONS | 1167 | 1181 |
| e. Was the pump type--- <i>[If more than one pump in the system, enter type for pump closest to water source.]</i> | CODE | 1168 | 1182 |
| | | 1 TURBINE? 2 SUBMERSIBLE? 3 CENTRIFUGAL? 4 BOOSTER? 5 SIPHON? 99 NO PUMP? <i>[If code 99, go to item j.]</i> | |
| f. What was the average pumping rate? | GALLONS PER MINUTE | 1169 | 1183 |
| g. <i>[If item 2a = code 1-9 (PRESSURE SYSTEM), ask---]</i> What was the system operating pressure? | POUNDS PER SQUARE INCH | 1170 | 1184 |
| h. What was the primary motor type used to pump the water? | CODE | 1171 | 1185 |
| | | 1 DIESEL 2 GASOLINE 3 LP GAS 4 NATURAL GAS 5 ELECTRICITY 6 SOLAR POWER | |
| i. What was the average motor size? | HORSEPOWER | 1172 | 1186 |
| j. <i>[If NO PUMP was used (item 2e = 99), ask---]</i> What was the average flow rate? | GALLONS PER MINUTE | 1173 | 1187 |
| k. How many other acres on this operation were irrigated using this field's irrigation system during the 2018 growing season? <i>(Exclude this field.)</i> | ACRES | 1174 | 1188 |

| | | |
|--|---|---|
| <p>3. What was the cost of the fuel or electricity used to irrigate this field? <i>(Include operator, landlord, and contractor costs.)</i></p> | <p style="text-align: right; margin: 0;">DOLLARS & CENTS PER ACRE</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">1189</div> | <p style="text-align: right; margin: 0;">OR TOTAL DOLLARS</p> <div style="border: 1px solid black; padding: 2px; text-align: center;">1190</div> |
|--|---|---|

4. Was any water purchased to irrigate this field? (Include landlord's share and purchases from all sources.)

CODE

1191

YES – [Enter code 1 and continue.]

NO – [Go to item 5.]

PERCENT

1192

a. What percent of the water used on this field was purchased?

7. [If GATED PIPE system was used (item 2a = 15 or 16), ask--]

INCHES

1203

a. What was the average diameter of gated pipe used to irrigate this field?

FEET

1204

b. What was the total length of gated pipe used?

8. Were wells used to supply irrigation water for this field?

CODE

1205

YES – [Enter code 1 and continue]

NO – [Go to item 9]

NUMBER

1206

a. How many wells were used to irrigate this field?

INCHES

1207

b. What was the average diameter of the outer well casing?

c. What was the average pumping depth of these wells during the irrigation season?

FEET

1208

[Pumping depth is the depth to water at the start of the irrigation season, plus an average decline in the water level caused by pumping during the irrigation season.]

CODE

1209

d. Did the well(s) have a water meter or other flow measurement device? YES = 1

e. Were other fields irrigated using water pumped from wells that supplied water to the selected field?

CODE

1210

YES – [Enter code 1 and continue]

NO – [Go to item 9]

ACRES

1211

f. Excluding this field, how many other acres on this operation were irrigated using the same wells during the 2018 growing season?



9. Was any additional mainline or lateral pipe used to carry water from the source to the system in this field? (Include underground pipe. Exclude any system pipe within the selected field.)

- YES – [Continue]
- NO – [Go to item 10]

a. What was the average diameter (in inches) of the most common type of this additional pipe used?

INCHES

1212

b. How many feet of this additional pipe were used to bring water to this field?

FEET

1213

10. Is the run-off from this field--

| RUN-OFF CODES | |
|---------------|---|
| 1 | retained at the end of the field? |
| 2 | reused to irrigate on the farm? |
| 3 | collected in evaporation ponds on the farm? |
| 4 | drained from the farm? |
| 5 | there is no run-off |

CODE

1214

11. Did you reduce the water applied to this field in 2018 due to reduced availability of water supplies? YES = 1

CODE

1215

H

CONCLUSION

H

LOCATION OF SELECTED FIELD

1. I need to locate the selected field of peanuts on this map.

2. What county is the selected peanut field in?

| | |
|-------------|--------------------------------|
| COUNTY NAME | OFFICE USE COUNTY FIPS CODE |
| | 0010 |

Field description

FOR STATES WITH GPS UNITS ONLY

Field location

N

| |
|----------------------------|
| LATITUDE |
| 0054 |
| <small>d d m m s s</small> |

W

| |
|------------------------------|
| LONGITUDE |
| 0055 |
| <small>d d d m m s s</small> |

3. [ENUMERATOR ACTION: *Mark map to indicate where the selected peanut field is located. Be sure the "X" marked on map is in the county identified above.*]

4. We will need additional information to complete this study. We will contact you in February or March 2014 to collect it. I'll call you then to set up a time that is good for you.

5. To receive the complete results of this survey on the release date, go to www.nass.usda.gov/results/. Would you rather have a brief summary mailed to you at a later date?

| |
|------|
| CODE |
| 0099 |

YES = 1

6. ENDING TIME [MILITARY]

| |
|-------|
| HH MM |
| 0005 |

RECORDS USE

7. [Did respondent use farm/ranch records to report--]

- a. [fertilizer data?]
- b. [pesticide data?]
- c. [majority of this expense data?]

| |
|------|
| CODE |
| 0011 |
| 0012 |
| 0013 |

SUPPLEMENTS USED

8. [Record the total number of each type of supplement used to complete this interview.]

| |
|-------------------------|
| NUMBER |
| FERTILIZER APPLICATIONS |
| 0041 |
| PESTICIDE APPLICATIONS |
| 0042 |
| FIELD OPERATIONS |
| 0043 |

| | | | |
|--------------------|------------------------|-----------|-------------------------|
| Reported by: _____ | 9910 | 9911 | Telephone: (____) _____ |
| | <small>M M D D</small> | 13 | |

Office Use

| Response | | Respondent | | Mode | | Enum | Eval | R. Unit | Change | Optional Use | | | |
|-----------------|------|---------------|------|------------------|------|------|------|---------|--------|--------------|------|------|------|
| 1 - Comp | 9901 | 1 - Op/Mgr | 9902 | 2 - Tel | 9903 | 0098 | 0100 | 0921 | 0785 | 0002 | 0003 | 9906 | 9916 |
| 2 - R | | 2 - Sp | | 3 - Face-to-Face | | | | | | | | | |
| 3 - Inac | | 3 - Acct/Bkpr | | | | | | | | | | | |
| 4 - Office Hold | | 4 - Partner | | | | | | | | | | | |
| | | 9 - Other | | | | | | | | | | | |

S/E Name