

AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218
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Project Code: 906
SurveyID: 590 Phase 2



USDA/NASS
National Operations Division
9700 Page Avenue, Suite 400
St. Louis, MO 63132-1547
Phone: 1-888-424-7828
FAX: 1-855-415-3687
Email: nass@usda.gov

PEANUT PRODUCTION PRACTICES AND COSTS REPORT FOR 2023

VERSION 74	ID _____	TRACT 01	SUBTRACT ____	C-TYPE 111
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CONTACT RECORD

DATE	TIME	NOTES

The information you provide will be used for statistical purposes only. Your response 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 and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 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.

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.

BEGINNING TIME

H	H	M	M
00	04		

[MILITARY] _____

SCREENING BOX

0006

☐ Check if verified	POID _____
Name: _____	
Address: _____	
City: _____	State: _____ Zip: _____
Phone: (____) _____	☐ check if cell phone

☐ Check if verified	POID _____
Name: _____	
Address: _____	
City: _____	State: _____ Zip: _____
Phone: (____) _____	☐ check if cell phone

☐ Check if verified	POID _____
Name: _____	
Address: _____	
City: _____	State: _____ Zip: _____
Phone: (____) _____	☐ check if cell phone

☐ Check if verified	POID _____
Name: _____	
Address: _____	
City: _____	State: _____ Zip: _____
Phone: (____) _____	☐ check if cell phone

Total Planted Acres

1. How many total acres of peanuts did this operation plant for the 2023 crop year?.....

0050

[If no acres were planted, review Screening Survey Information Form, make notes, then go to back page.]

[I will follow a simple procedure to make a random selection from the peanut fields planted for the 2023 crop.]

Total Number Of
Fields Planted

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 4.].....

0020

3. [Now, I need to identify an peanut field to be used for this survey.] The peanut field pre-selected for this interview is the:

1 ☐ Northern most field2 ☐ Southern most field3 ☐ Eastern most field4 ☐ Western most field5 ☐ Northeastern most field6 ☐ Southeastern most field7 ☐ Northwestern most field8 ☐ Southwestern most field

Field description:

4. 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.]

5. For the randomly selected field above, please provide the following Farm Service Agency (FSA) identifiers:

[Having this information helps USDA make better use of other data you have provided to USDA and will improve the types of statistical analysis that can be done with the responses from this survey. If the physical field in this survey spans multiple FSA administrative fields, please include the farm, tract, and field number for the largest administrative field. These numbers are field identifiers that USDA uses to administer farm programs like crop insurance, commodity programs, and conservation programs.]

Number

a. Farm Number (up to 8 digits).....

1070

b. Tract Number (up to 7 digits).....

1071

c. Field Number (up to 4 digits, exclude subfield letters).....

1072

OFFICE USE
OY Field Substituted

0022

		Acres	1301
1. How many acres of peanuts did this operation plant in the selected field for the 2023 crop?.....		Code	
a. Are the acres in the selected field certified organic or transitioning into certified organic peanut production?.....		Yes, Certified Organic=1 Yes, Transitioning=2 No=3	1890
[If item 1a = 1 or 2, then ask—]		Dollars & Cents per Acre	
b. What was the cost, per acre, for third party organic certification?.....			1399
2. Were the acres in the selected field—.....		Code	
1 owned by this operation? 2 rented for cash with the payment being a fixed cash amount? 3 rented for cash with the payment being a flexible cash amount? 4 rented for a share of the crop? 5 rented for some combination of cash and share of the crop? 6 used rent free?			1302
[If field is cash rented (item 2 = 2, 3, or 5), ask item 3, otherwise go to item 4.]		Dollars & Cents per Acre	
3. What was the cash rent paid per acre for this 2023 peanut field?.....			1303
[If field is share rented (item 2 = 4 or 5), ask—]		Percent	
4. What was the landlord's share of the crop from the selected field?.....			1304
[If field is rented (item 2 = 2, 3, 4, 5, or 6) ask—]			
5. What was the total cost for all inputs provided by any landlord for the 2023 crop on the selected field? INCLUDE the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, drying, and irrigation. EXCLUDE real estate tax expenses and lime costs paid by the landowner.....		Dollars & Cents per Acre	1305
		OR	1306
		Total Dollars	
6. What year did you (the operator listed on the label) start operating the selected field?.....		Year	1312
		M M D D Y Y	
7. On what date was the selected field planted?.....			1308
a. When planted, was this peanut field planted with the intention of—? INCLUDE peanuts planted for commercial seed contract under other uses.....		Code	
1 Dual purpose: grain and grazing 2 Harvesting for grain only 3 Grazing only 4 Dual purpose: grazing and cover crop 5 Cover crop only 6 Other uses - Specify: _____			3117
		Pounds per Acre	
b. What was your yield goal at planting for the selected field?.....			1311
		Code	
8. What type of peanuts were planted in this field?.....		1 Runner 2 Spanish 3 Virginia 4 Valencia	1540

9. What was the source of the peanut seed?.....

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

Code

1317

[If item 9 = 2 or 3, ask—]

Dollars & Cents
per Pound

3321

a. What was the cost per pound for cleaning and treating this seed?.....

Percent

1318

b. How much of the peanut seed planted in this field was grown (or received in trade) by this operation?.....

Unit Code

1=Pounds

2=Cwt

3=Tons

4=Bushels

22=Acres

23=50 lb. Bags

[If any seed purchased (item 9 = 1 or 3), ask—]

Dollars & Cents
per Unit

1319

1320

10. What was the total cost per unit of purchased seed for the selected field? INCLUDE operator, landlord, and contractor costs, cost of seed treatment, and technology fee....

Code

3062

11. For the 2023 peanut crop, was the peanut seed—.....

- | |
|---|
| 1 Treated with a pesticide prior to purchase? |
| 2 Treated with a pesticide after purchase? |
| 3 Not treated with a pesticide? |

[If item 11 = 1 or 2, continue, otherwise go to item 12.]

Seed Treatment Name

a. What was the name of the seed treatment? [Write seed treatment name in the box provided.].....

1289

b. What was the seed treatment code? [Enter the appropriate seed treatment code from the Respondent Booklet. Enter "999" if a seed treatment was applied but is not listed. Enter "-1" if the seed treatment is not known.].....

Code

2325

Code

2340

12. For the 2023 peanut crop, did you plant a commercial seed product on the selected field?.....

Yes=1
No=3

[If item 12 = 1, ask—]

Commercial Seed Product Name

a. What was the name of the seed product? [Write seed product name in the box provided.].....

2342

b. What was the seed product code? [Enter the appropriate product code from the Respondent Booklet. Enter "999" if a seed product was purchased but is not listed. Enter "-1" if the product is not known.].....

Code

2343

Unit Code

1=Pounds/Acre

2=Cwt/Acre

3=Tons/Acre

4=Bushels/Acre

23=50 lb. Bags/Acre

Units

1313

2314

13. What was the seeding rate per acre the first time the selected field was planted?.....

Code

1316

a. What method of seeding did you use on the selected field?.....

- | |
|--------------------------------|
| 1 Drilled |
| 2 Planted in conventional rows |
| 3 Broadcast on this field |

[If drilled or planted, (item 13a = 1 or 2), ask—]

Inches

1322

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

Yes=1
No=3

15. How many acres in the selected field had to be replanted to peanuts? Acres
1315
 (Acres replanted = Number of Acres x Number of times replanted)

16. Has harvest of the selected field been completed? Code
Yes=1
No=3 1328

[Now I need information about the acres harvested or to be harvested and the yields from the selected field.]

	Acres	What yield per acre did you get or do you expect to get for peanuts—	Unit Code 1=Pounds 2=Cwt 3=Tons 4=Bushels
	Acres	Units per Acre	Code
17. How many acres in this peanut field were or will be—			
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		

18. Was hay harvested from the selected field?

1520 ☐ Yes – Continue

☐ No – Go to item 20

19. How many acres of this peanut field were harvested for hay?.....

Acres

1521

a. How many total tons of peanut hay were harvested from these peanut acres (item 19)?.....

Total Tons

1522

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

b. Of the total peanut hay harvested from this field (item 19a), what was the landlord's share of the peanut hay?.....

Percent	OR Tons
1523	1524

c. What was the total cost of baler twine/wire used to bale the peanut hay from this field?
 INCLUDE landlord's share.....

Total Dollars

1525

[If item 1a = 1, then ask—]

d. Was any peanut hay sold from the selected field?.....

Code

xxxx

Yes=1
No=3

[If any peanut hay was sold, ask—]

e. What was the price received per ton for all peanut hay (item 19a) sold from this field?.....

Dollars & Cents
Per Ton

1526

Crop Code List for item 20 - Previously Planted Crops

190 Barley	311 Grasses including clover	22 Rye (cereal)	34 Annual ryegrass
6 Corn for grain	1 Hay, alfalfa	240 Sorghum, all	318 No crop planted
5 Corn for silage	11 Hay, all other	26 Soybeans	291 Other field crop
283 Cotton, all	15 Oats	263 Wheat, spring	292 Other crop
302 CRP	21 Rice	165 Wheat, winter	312 Cover crop mix

20. Please report what crops were previously planted on the majority of the selected field, including cover crops.

1 What crops were planted on the selected field in— [For perennial crops, (1, 11, 292, 302, and 311) report the crop code in all seasons when the crop was growing.]			2 Was this a cover crop?	3 If a cover crop was planted, how did you terminate this cover crop?	4 Was the selected field no-till or strip-tilled? ^{1/}
Season and Year	Crop Name	Crop Code	Yes=1 No=3	Code	Yes=1 No=3
a. Spring/Summer of 2023?.....	PEANUTS				1344
b. Fall of 2022?.....		1343	1470	1471	1345
c. Spring/Summer of 2022?.....		1369	1472	1473	1371
d. Fall of 2021?.....		1372	1474	1475	1374
e. Spring/Summer of 2021?.....		1375	1476	1477	1377
f. Fall of 2020?.....		1378	1478	1479	1380
g. Spring/Summer of 2020?.....		1381	1480	1481	1383
h. Fall of 2019?.....		1366	1482	1483	1368
i. Spring/Summer of 2019?.....		1340	1484	1485	1342

^{1/}No-till means leaving soil and previous crop residue undisturbed from harvest to planting. Strip-till means tilling a narrow strip over the row, leaving soil and previous crop residue between the rows undisturbed.

[If a cover crop was planted in Spring/Summer/Fall 2022, ask—]

- j. What was the seed cost per acre for the cover crop?.....
- k. What was the per-acre cost-share or financial assistance payments received for the cover crop? If no program payment was received, enter zero.....

Dollars & Cents
per Acre

1468	• ____
1495	• ____

21. Is this field managed under an NRCS-approved conservation plan for highly erodible land (HEL)? (All fields that have been designated as HEL by USDA, and that are being actively farmed, are required to have soil conservation plans under the conservation compliance program.).....

Code

Yes=1 No=3	0702
Yes=1 No=3	1405

22. Does the selected field contain a wetland? Wetlands are subject to Wetland Conservation (WC) or "swampbuster" requirements. Producers who receive farm program payments must refrain from draining wetlands to make them ready for crop production.....

23. What is the slope of the selected field?.....

- | | |
|---|-------------------------------|
| 1 | Nearly level (0 – 2%) |
| 2 | Even, moderate grade (3 – 9%) |
| 3 | Variable, moderate grade |
| 4 | Even, steep grade (over 10%) |
| 5 | Variable, steep grade |

Code

2400

24. What is the primary soil type of the selected field?.....

- | | |
|---|-------|
| 1 | Loam |
| 2 | Clay |
| 3 | Sandy |
| 4 | Mixed |
| 5 | Silty |

Code

2401

25. In the selected field, are any of the following currently or historically a concern?

- Unit Code
- 1 Currently a concern
 - 2 A concern in the past but not anymore
 - 3 Not a concern

Code

2407

a. Water-driven erosion.....

2408

b. Wind-driven erosion.....

2409

c. Soil compaction.....

2410

d. Poor drainage.....

2411

e. Low organic matter.....

2412

f. Water quality.....

2413

g. Other concerns.....

2415

h. Water availability.....

[If 25a – 25h are all "Not a Concern", ask—]

i. If the answer to all of the above was "Not a Concern", is it the case that there are no significant concerns on this field?.....

Yes=1
No=3

Code

2414

26. Did the land use practices for the selected field include subsurface drainage?.....

Yes=1
No=3

Code

2402

[If 26 = 1, continue. Otherwise go to item 27.]

Year

2403

a. In what year was the current subsurface (tile) drainage installed?.....

Inches

2604

b. What is the average depth of your draining system?.....

2605

c. What is the diameter of your tiles?.....

Hours

2606

d. On average, how many hours does it take your field to return to normal soil moisture levels following a heavy storm?.....

Code

2406

e. Does this system include a mechanism for controlled drainage (e.g. stop logs, risers, or float mechanisms)?.....

Yes=1
No=3

		Unit Code
		1 Current
		2 Past
		3 Never
27. Has the selected field ever been in any conservation contracts for which you or your landlord received (or expected to receive) cost-sharing payments, stewardship payments, or incentive payments?		
a. Environmental Quality Incentive Program (EQIP).....		2611
b. Conservation Security or Conservation Stewardship Programs (CSP).....		2612
c. Conservation Reserve Program (CRP).....		2613
d. Other Federal, State, Local or non-government source.....		2614
		Code
28. During the last four years, did you apply for conservation funding, either through any Federal, State, or local program, for the selected peanut field?.....	Yes=1 No=3	2402

29. [Now I need information on soil, crop, and land management practices or activities used on the selected field and any financial assistance you may have received in conjunction with those practices.]

a. Please check any practices or activities that you used on the selected field this year or any time in the past.

On-field Soil and Crop Management 1 ☐ No-till/strip-till 2 ☐ Conservation tillage except no-till/strip-till 3 ☐ Cover crop – single species 4 ☐ Cover crop mix 5 ☐ Contour farming 6 ☐ Conservation crop rotation 7 ☐ Laser leveling	10 ☐ Terraces 12 ☐ Grass waterway 20 ☐ Implement a nutrient management plan – written plan. 21 ☐ Precision nutrient application 22 ☐ Subsurface phosphorous application 23 ☐ No fertilizer application more than 30 days before planting 24 ☐ Controlled release or enhanced efficiency fertilizer 26 ☐ Split nitrogen application with at least 50% applied after planting	30 ☐ Implement an integrated pest management plan – written plan 31 ☐ Drift reducing spray nozzles 32 ☐ Targeted sprayer – electrical control Adjacent to Field 33 ☐ Filter strip 34 ☐ Field border 35 ☐ Riparian buffer – grass or forest 50 ☐ Irrigation water management plan 99 ☐ None of the above
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b. For each practice or activity checked in 29a, please complete one line of this table.

[Enumerator Note: If "99:None of the above" was selected, report code "99" in the first row (item 1610).]

1 Practice or Activity on the Selected Field	2 Practice Code (see item 29a) Code	3 Was this practice or plan used on this selected field in 2023? 1 Used in 2023 2 Not used in 2023 but used in earlier years Code	4 What financial assistance (cost share) has been received for this practice on this field? 1 Received a payment in 2023 from EQIP, CSP, or similar program 2 Did not receive a payment in 2023 but have in earlier years 3 Have never received a payment for this practice Code	5 Does this practice or activity help satisfy-- 1 A federal, state, or local regulatory requirement 2 Highly erodible land conservation compliance 3 Does not relate to any regulation or compliance requirement Code
	1610	1614	1612	1613
	1615	1619	1617	1618
	1620	1624	1622	1623
	1625	1629	1627	1628
	1630	1634	1632	1633
	1635	1639	1637	1638
	1640	1644	1642	1643
	1645	1649	1647	1648
	1650	1654	1652	1653
	1655	1659	1657	1658
	1660	1664	1662	1663

		Code
30. In 2023, were the peanuts in the selected field covered by a single or named peril crop insurance policy (e.g. hail, replant, wind, freeze, etc.)?	Yes=1 No=3	1393
[If item 30 = 1, continue. Otherwise, go to item 31.]		
		Code
a. In 2023, were the peanuts in the selected field covered by more than one single or named peril crop insurance policy (e.g. hail, replant, wind, freeze)?	Yes=1 No=3	2721
		Dollars & Cents per Acre
b. What was the dollar amount of coverage per acre for the single peril policy covering the selected field?		1395 . ____
c. What was the premium cost per acre for the single peril policy covering the selected field in 2023? EXCLUDE any sign-up fee.		2722 . ____
		Percent
d. What was the percent deductible for the single peril policy covering the selected field? (Record no deductible as 0%)		2723
		Code
e. Did you (or will you) collect an indemnity payment for the selected field from the single peril policy during 2023?	Yes=1 No=3	2724
		Code
31. In 2023, were the peanuts in the selected field covered by a multi-peril federal program that provided protection against yield or revenue losses? These include crop insurance and crop disaster assistance programs.	Yes=1 No=3	1385
[If item 31 = 1, continue. Otherwise go to Section C.]		
a. What type of multi-peril coverage did you obtain?	1 Noninsured Crop Disaster Assistance Program (NAP CAT) 2 Federal CAT (basic catastrophic insurance) 3 Noninsured Crop Disaster Assistance Program buy-up 4 Actual Production History (APH) buy-up 5 Revenue Protection (RP) 6 Other Federal crop insurance	1386
[If item 31a = 2, ask—]		
		Percent
i. What percent of yield coverage did you select for the selected field?		1387
ii. What percent of revenue coverage did you select for the selected field?		1388
[If item 31a = 3, ask—]		
		Percent
iii. What percent of revenue coverage did you select for the selected field?		1389
		Code
b. What type of unit coverage did you purchase for the multi-peril policy on the selected field?	1 Basic 2 Optional 3 Enterprise	2524
		Year
c. In what year did you, the operator listed on the label, first purchase multi-peril crop insurance on the selected field?		2525 ____
		CWT per Acre
d. What is the 2023 Approved APH (actual production history) yield for the selected field?		2526
		Dollars & Cents per Acre
e. What was the premium paid for multi-peril crop insurance for the selected field in 2023? EXCLUDE any administrative fee.		2527 . ____
		Code
f. Did you or will you collect an indemnity payment for the selected field from multi-peril crop insurance during 2023?	Yes=1 No=3	2528

C**NUTRIENT or FERTILIZER APPLICATIONS – SELECTED FIELD****C**

1. Were commercial nutrients or fertilizers applied to the selected field for the 2023 peanut crop? INCLUDE those from operators, landlords, and contractors.....

	Code	Office Use Edit Table
Yes=1 No=3	0202	0200

[If item 1 = 1 continue. Otherwise go to item 6]

2. How many commercial nutrient or fertilizer applications were made to the selected field for the 2023 crop? INCLUDE applications made by airplanes and custom applicators.....

Number
0203

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

CHECKLIST**INCLUDE**

- ☐ Custom applied nutrients or fertilizers
- ☐ Nutrients or fertilizers applied in the fall of 2022 and those applied earlier if the selected field was fallow in 2022.
- ☐ Commercially prepared manure or compost

EXCLUDE

- ☐ Micronutrients
- ☐ Unprocessed manure
- ☐ Nutrients or fertilizers applied to previous crops in the selected field
- ☐ Lime and gypsum/landplaster

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

Nitrogen Codes for Column 2 Source/Form of N Used

- | | |
|---------------------------|---|
| 1 Anhydrous ammonia | 6 Ammonia sulfate |
| 2 Nitrogen solution (UAN) | 7 Potassium nitrate, magnesium nitrate, and calcium nitrate |
| 3 Urea | 8 Other nitrogen fertilizer material [specify:_____] |
| 4 Ammonium nitrate | |
| 5 Sodium nitrate | |

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 [Enter percentage analysis or actual pounds of plant nutrients applied per acre.] [Show Common Nutrients or Fertilizers in Respondent Booklet] [Refer to nitrogen list above for type of nitrogen used.]					3 What quantity was applied per acre? [Leave this column blank if actual nutrients were reported]	4 [Enter material code] 1 Pounds 12 Gallons 13 Quarts 19 Pounds of actual nutrients	5 When was this applied? 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding	6 How was this applied? [Refer to code list above]	7 How many acres in the selected field were treated in this application? Acres
	N Nitrogen	P ₂ O ₅ Phosphate	K ₂ O Potash	S Sulfur	Source/ Form of N Used [Refer to code list above.]					
01	31	32	33	34	35	36	37	38	39	40 _____
02	31	32	33	34	35	36	37	38	39	40 _____
03	31	32	33	34	35	36	37	38	39	40 _____
04	31	32	33	34	35	36	37	38	39	40 _____
05	31	32	33	34	35	36	37	38	39	40 _____
06	31	32	33	34	35	36	37	38	39	40 _____
07	31	32	33	34	35	36	37	38	39	40 _____
08	31	32	33	34	35	36	37	38	39	40 _____
09	31	32	33	34	35	36	37	38	39	40 _____
10	31	32	33	34	35	36	37	38	39	40 _____

		Code	0214
4. Were any nutrients or fertilizers applied by custom applicators?.....		Yes=1 No=3	
[If item 4 = 1, continue. Otherwise go to item 5.]			
		Code	2216
a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?.....		Yes=1 No=3	
[If item 4a = 1, continue. Otherwise go to item 5.]			
		Office Use	0215
b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on the selected field?			
INCLUDE			
• operator, landlord, and contractor costs • costs for sulfur and micronutrients		Dollars & Cents per Acre	0219
EXCLUDE custom application of lime, gypsum, purchased manure, and purchased compost.....		OR	0220
[If material and application costs can't be separated, exclude them here and record the total in item 5.]			
5. What was the total cost of all nutrient or fertilizer products applied to the selected field?			
INCLUDE			
• operator, landlord, and contractor costs as well as the costs for sulfur and micronutrients • materials applied to the selected field if it was fallow in 2022		Dollars & Cents per Acre	0221
EXCLUDE lime, gypsum, purchased manure, and purchased compost.....		OR	0222
[If custom applied and the cost of materials can be separated from application costs, include the cost of materials only, otherwise, include both the material and application costs.]			
		Code	0218
6. Was gypsum applied to the selected field for the 2023 peanut crop?.....		Yes=1 No=3	
		Code	3225
7. Was a soil test for soil organic matter performed on the selected peanut field at some point in the last 10 years?.....		Yes=1 No=3	
[If item 7 = 1, ask—]			
		Percent	3226
a. What was the percentage of soil organic matter on the selected field for the most recent test?.....			
		Number	3227
b. How many times have you tested the selected field for soil organic matter in the last 10 years?.....			
[If item 7b is more than 1, ask—]			
		Code	3228
c. Based on these tests, is your soil organic matter content...			
1 Increasing? 2 Decreasing? 3 Staying roughly the same?			
		Code	0224
8. Was a soil or plant tissue test performed on the selected peanut field in 2022 or 2023 for the 2023 crop?.....		Yes=1 No=3	
[If item 8 = 1, continue. Otherwise go to item 13.]			
		Code	0225
9. Was a soil test for phosphorus performed on the selected peanut field in 2022 or 2023 for the 2023 crop?.....		Yes=1 No=3	
[If item 9 = 1 ask—]			
		Pounds per Acre	0226
a. How many pounds of phosphorus per acre were recommended by the phosphorus test?.....			

10. Was a soil test for nitrogen performed on the selected peanut field in 2022 or 2023 for the 2023 crop?..... Yes=1 Code 0227
No=3

[If item 10 = 1, ask—]

a. How many pounds of nitrogen per acre were recommended by the nitrogen test?..... Pounds per Acre 0228

11. Was a plant tissue test or leaf analysis for nutrient deficiency performed on the selected field in 2022 or 2023 for the 2023 crop?..... Yes=1 Code 0229
No=3

12. How much was spent for these soil and plant tissue tests on the selected field? INCLUDE operator, landlord, and contractor costs..... Dollars & Cents per Acre 0230 OR Total Dollars 0231

[If tests were done at no cost, continue. Otherwise go to item 12b.]

a. What is the reason why tests were done at no cost?..... Code 0232

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

b. Did you receive a payment from a conservation program (CSP, EQIP, or other) for performing a soil or plant tissue test?..... Yes=1 Code 3231
No=3

[Enumerator Action: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete item 13. If no nitrogen applied, go to item 15.]

13. Was the amount of nitrogen you decided to apply to the selected field based on—

Yes=1	Code 0233
No=3	
Yes=1	0234
No=3	
Yes=1	0235
No=3	
Yes=1	0236
No=3	
Yes=1	0237
No=3	
Yes=1	0238
No=3	
Yes=1	0239
No=3	

a. Results of a soil or plant tissue test?.....

b. Crop consultant recommendation?.....

c. Fertilizer dealer recommendation?.....

d. Extension Service recommendation?.....

e. Cost of nitrogen and/or expected commodity price?.....

f. Contractor recommendation?.....

g. Routine practice – operator's own determination based on past experience, yield goal, etc.?..

14. Which of the following products did you use to slow the breakdown of nitrogen on this field?..... Code 0241

1	Nitrification inhibitors (such as N-Serve)
2	Urease inhibitors (such as Agrotain)
3	Chemical-coated fertilizers (such as sulfur-coated urea and polymer-coated urea)
4	Other inhibitors
5	None

[If nitrogen inhibitors were used, continue. Otherwise go to item 15.]

a. How much nitrogen inhibitor did you mix with the nitrogen applied to the selected field?..... Pounds per Acre 2561 OR Gallons per Acre 2562

b. What was the cost of nitrogen inhibitors used on this field? INCLUDE operator, landlord, and contractor costs..... Dollars & Cents per Pound 0297 OR Dollars & Cents per Gallon 0298

15. Is lime ever applied to the selected field?..... [If item 15 = 1 continue. Otherwise go to item 16.] a. On average, how many years are there between applications of lime to the selected field?..... b. How many tons of lime were applied per acre the last time it was applied to the selected field?..... c. Was lime applied to the selected field in 2022 or 2023 for the 2023 crop?..... 16. Was non-commercial (unprocessed) manure from own farm, from a neighbor's farm, etc., or other organic material, including compost, applied to the selected field for the 2023 peanut crop? EXCLUDE commercially prepared manure..... [If item 16 = 1 continue. Otherwise go to Section D.] a. To how many acres in the selected field was manure or compost applied?..... b. What was the amount of manure or compost applied per acre to the selected field?..... c. Of the total manure or compost applied to the selected field for the 2023 peanut crop, what was the percent of manure or compost applied— i. in the fall before planting?..... ii. in the spring before planting?..... iii. after planting?..... d. Was the manure or compost— e. Was the manure or compost— f. Was the major source of manure or compost—	Yes=1 No=3 Code 0242 Years 0243 Tons per Acre 0244 Code 0240 Code 0246 Acres 0247 Unit Codes 1 Tons 2 Gallons 3 Bushels 4 Cubic yards Units per acre 0249 Percent 0254 0255 0256 = 100% Code 0257 Code 0258 Code 0259
--	--

g. Was the manure or 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 manure)? |
|--|

Code

0260

[If item 16g = 2, continue. Otherwise go to item 16h.]

i. What was the total cost of the purchased manure or compost applied to the selected field?.....

Dollars & Cents
per Acre

0284

OR

Total Dollars

0285

INCLUDE

- operator, landlord, and contractor costs
- any payment made for transportation costs

ii. Did you hire someone to custom apply the manure or compost?.....

Code

Yes=1
No=3

0286

[If item 16gii = 1, ask—]

(a) What was the total cost paid to have manure or compost custom applied to the selected field? INCLUDE operator, landlord, and contractor cost.....

Dollars & Cents
per Acre

0287

OR

Total Dollars

0288

[Do not report custom application cost if it was included with the purchased manure or compost cost.]

h. What is the distance in miles between the manure or compost storage/production location and the selected field?.....

Miles

0291

i. Of the manure or compost applied to the selected field, was any tested for nutrient content prior to application?.....

Code

Yes=1
No=3

0261

j. Was the application rate of commercial nitrogen fertilizer on the selected field reduced due to manure or compost application?.....

Yes=1
No=3

0262

[If 16j = 1, ask—]

i. By what percent did you reduce the commercial nitrogen fertilizer application rate on the selected field?.....

Percent

0263

ii. Did you adjust the peanut harvest date for the selected field due to the application of manure or compost?.....

Code

Yes=1
No=3

0280

17. Were the manure or compost application rates to the selected field influenced by Federal, State, or local restrictions?.....

Code

Yes=1
No=3

0264

[If item 17 = 1, ask—]

a. What basis was used to determine these manure application rate restrictions—

Code

i. Nitrogen requirement of the crop?.....

Yes=1
No=3

0265

ii. Phosphorus requirement of the crop?.....

Yes=1
No=3

0266

D**BIOCONTROL or PESTICIDE APPLICATIONS – SELECTED FIELD****D**

Now I have some questions about all the biocontrols or pesticides used on the selected field for the 2023 peanut crop, including both custom applications and applications made by this operation.

1. Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this peanut field for the 2023 crop?.....

Yes=1
No=3

Code

Office Use
Edit Table

0302	0300
------	------

[Probe for applications made in the fall of 2022 and those made earlier if the selected field was fallow.]

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

INCLUDE defoliant, fungicides, herbicides, insecticides, and other pesticides.	EXCLUDE adjuvants, nutrients or fertilizers reported earlier and seed treatments.	Office Use Line in Table	Table 001	0399
INCLUDE biological and botanical pesticides.				

Chemical Product Name	L I N E	2 What products were applied to the selected field? [Show product codes from Respondent Booklet.]	3 Was this product bought in liquid or dry form? [Enter L or D]	4 If this was part of a tank mix, enter line number of first product in mix.	5 When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	6 OR 7 How much was applied per acre per application? What was the total amount applied per application in the selected field?	8 [Enter unit code] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	61	62	63	64	65 . ____	73 . ____ 74
	02	61	62	63	64	65 . ____	73 . ____ 74
	03	61	62	63	64	65 . ____	73 . ____ 74
	04	61	62	63	64	65 . ____	73 . ____ 74
	05	61	62	63	64	65 . ____	73 . ____ 74
	06	61	62	63	64	65 . ____	73 . ____ 74
	07	61	62	63	64	65 . ____	73 . ____ 74
	08	61	62	63	64	65 . ____	73 . ____ 74
	09	61	62	63	64	65 . ____	73 . ____ 74
	10	61	62	63	64	65 . ____	73 . ____ 74
	11	61	62	63	64	65 . ____	73 . ____ 74
	12	61	62	63	64	65 . ____	73 . ____ 74
	13	61	62	63	64	65 . ____	73 . ____ 74
	14	61	62	63	64	65 . ____	73 . ____ 74

2. For biocontrols or pesticides not listed in the 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)

Applications Codes for Column 9

- | | |
|---|----------------------------------|
| 1 Broadcast, ground without incorporation | 6 Chiseled/injected or knifed in |
| 2 Broadcast, ground with incorporation | 7 Banded in or over row |
| 3 Broadcast, by aircraft | 8 Foliar or directed spray |
| 4 In seed furrow | 9 Spot treatments |
| 5 In irrigation water | |

L I N E	9 How was this product applied? [Enter code from above.]	10 How many acres in the selected field were treated with this product? Acres	11 How many times was it applied? Number	12 Were these applications made by— 1 Operator, partner, or family member? 2 Custom applicator? 3 Employee/Other?	13 What was the cost per unit of the product? Dollars & Cents per Unit	14 Unit Code 1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry Ounces 13 Quarts 30 Grams 14 Pints
	01	76	77	79	80	81
02	76	77	79	80	81	82
03	76	77	79	80	81	82
04	76	77	79	80	81	82
05	76	77	79	80	81	82
06	76	77	79	80	81	82
07	76	77	79	80	81	82
08	76	77	79	80	81	82
09	76	77	79	80	81	82
10	76	77	79	80	81	82
11	76	77	79	80	81	82
12	76	77	79	80	81	82
13	76	77	79	80	81	82
14	76	77	79	80	81	82

3. Were any chemicals, biocontrols, or pesticides applied by custom applicators?..... Yes=1 No=3

Code
0323

[If item 3 = 1, continue. Otherwise go to item 4.]

a. Are you able to report the cost of chemical, biocontrol, and pesticide products and custom application separately?..... Yes=1 No=3

Code
0324

[If item 3a = 1, ask—]

b. Excluding the cost of the chemical, biocontrol, and pesticide products, how much was spent for custom application of such materials on the selected field? INCLUDE operator, landlord, and contractor costs.....

	Dollars & Cents per Acre	OR	Total Dollars
	0331 _____		0332 _____

4. What was the total cost of all chemical, biocontrol, or pesticide products applied to the selected field? INCLUDE operator, landlord, and contractor costs, defoliants, herbicides, insecticides, fungicides, surfactants, wetting agents, growth regulators, and materials applied before planting and during 2022 fallow period. EXCLUDE seed treatments.....

	Dollars & Cents per Acre	OR	Total Dollars
	0334 _____		0335 _____

a. How much was spent for herbicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs.....

	Dollars & Cents per Acre	OR	Total Dollars
	3034 _____		3035 _____

b. How much was spent for insecticide products applied to the selected field? INCLUDE operator, landlord, and contractor costs.....

	Dollars & Cents per Acre	OR	Total Dollars
	3036 _____		3037 _____

c. How much was spent for fungicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs.....

	Dollars & Cents per Acre	OR	Total Dollars
	3038 _____		3039 _____

Note: 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.

Now I have some questions about your pest management decisions and practices used on the selected field for the 2023 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

	Yes=1 No=3	Code
1. Were weather data used to assist in determining either the need or when to make pesticide applications?.....		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 the selected field?.....		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?.....		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

	Yes=1 No=3	Code
4. Were herbicides applied to the selected peanut field before weeds emerged?.....		0803
5. Were herbicides applied to the selected peanut field after weeds emerged?.....		0805
6. Were records kept for the selected field to track the activity or numbers of weeds, insects, or diseases?.....		0823
7. Did you use published information on infestation thresholds to determine when to take measures to manage pests in the selected field?.....		1824

8. In 2023, how was the selected 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 9.]
2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 10.]
3 The selected field was not scouted. [Enter code 3 and go to item 14.]

Code

0808

Code

0809

9. Was an established scouting process such as systematic sampling, recording counts, etc. used or were insect traps used in the selected field?.....

Yes=1
No=3

10. Was scouting for pests done in the selected field due to—

Code

Yes=1
No=3

0810

Yes=1
No=3

0811

a. a pest advisory warning?.....

b. a pest development model?.....

[If scouted by crop consultant or commercial scout, ask item 11. Otherwise go to item 12.]

	Dollars & Cents per Acre	OR	Total Dollars
11. How much was charged for the scouting services for the selected field? INCLUDE operator, landlord, and contractor costs.....	0821		0822

Office Use

0333

Code

0824

12. Were scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in the selected field?.....

Yes=1
No=3

		Code
13. Did you use field mapping of previous weed problems to assist you in making weed management decisions?.....	Yes=1 No=3	0825
14. Did you do any of the following other types of pest management for the specific purpose of managing or reducing the spread of pests in the selected field?		
		Code
a. Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for the selected field?.....	Yes=1 No=3	0841
b. Plow down crop residue using conventional tillage?.....	Yes=1 No=3	0842
c. Remove/burn down crop residue?.....	Yes=1 No=3	0843
d. Rotate crops in the selected field during the past three years?.....	Yes=1 No=3	0844
e. Maintain ground covers, mulches, or other physical barriers?.....	Yes=1 No=3	0845
f. Choose crop variety because of specific resistance to a certain pest?.....	Yes=1 No=3	0846
g. Use no-till or minimum till?.....	Yes=1 No=3	0847
h. Plan planting locations to avoid cross infestation of pests?.....	Yes=1 No=3	0848
i. Adjust planting or harvesting dates?.....	Yes=1 No=3	0849
j. Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines?.....	Yes=1 No=3	0850
k. Clean equipment and field implements after completing field work to reduce the spread of pests?.....	Yes=1 No=3	0851
l. Adjust row spacing, plant density, or row directions?.....	Yes=1 No=3	0852
m. Have the seed treated for insect or disease control after you purchased the seed for the selected field?.....	Yes=1 No=3	0854
n. Maintain a beneficial insect or vertebrate habitat?.....	Yes=1 No=3	0855
o. Use a flamer to kill weeds?.....	Yes=1 No=3	0857
p. Maintain buffer strips or border rows to isolate peanut from non-organic crops or land, or did you take a buffer harvest?.....	Yes=1 No=3	0856
q. Plant earlier or later to avoid weeds?.....	Yes=1 No=3	0865
15. Were any beneficial organisms, such as insects, nematodes, or fungi applied or released in the selected field to manage pests?.....		
		Code
		0853
16. Were floral lures, attractants, repellants, pheromone traps, or other biological pest controls used on the selected field?.....		
		Code
		0858
[If item 16 or item 17 = 1, ask—]		
a. What were the total materials and application costs for all biological pest controls for the selected field?		
INCLUDE		
- operator, landlord, and contractor costs - cost for beneficial organisms, insects, nematodes, and fungi		
EXCLUDE biological pesticides previously reported.		
Dollars & Cents per Acre		OR Total Dollars
0859		0860

		Code	
17. Was a trap crop, excluding fallow, grown to help manage insects in the selected field?.....	Yes=1	0863	
	No=3		
18. Was the selected field left fallow in 2022 to help manage insects on the selected field?.....	Yes=1	0864	
	No=3		
		Code	
19. Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on the selected field to manage pests or toxin-producing fungi and bacteria?.....	Yes=1	0861	
	No=3		
20. Was protection of beneficial organisms a factor in your pest control decisions for the selected field?.....	Yes=1	1765	
	No=3		
[If item 20=1, continue. Otherwise go to item 21.]			
		Code	
a. Did you change timing of, reduce application rate of, or eliminate a pesticide application?.....	Yes=1	1766	
	No=3		
b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice?.....	Yes=1	1767	
	No=3		
		Unit Codes	
		1 Pounds	
		2 CWT	
		3 Tons	
		4 Bushels	
		Units per Acre	
21. If untreated (either with herbicides, tillage, or cultivation), how much yield loss (e.g. bushels per acre) do you think weeds would most likely cause on the selected field?	2735		2736
		Code	
22. Did pests, such as weeds, insects, pathogens, or animals, cause any yield loss on the selected field in spite of your pest control efforts?.....	Yes=1	0827	
	No=3		
[If item 22 = 1, ask—]			
a. How much yield loss per acre do you think was caused by all pests on the selected field in spite of the management practices you used to reduce those losses?.....	Unit Codes		
	1 Pounds 2 CWT 3 Tons 4 Bushels		
	Units per Acre	OR	Total Units
	0829	0828	0830
Completion Code for Pest Management Data			
1 Incomplete/Refusal		0500	

F FIELD OPERATIONS – SELECTED FIELD
F

1. Including custom operations, I need to list field work performed by machines on the selected field for the 2023 peanut crop. Please...

- begin with the first field operation after harvest of the previous crop, including operations for a cover crop established since the previous crop was harvested. If fallow during 2022, list operations starting with fall 2021.
- 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/land plaster applications
- ☐ Compost & Non-commercial manure applications

1 LINE	2 SEQUENCE	3 What operation or equipment was used?	4 [Record machine code from Respondent Booklet.]	5 Who was the machine operator? [Enter code from above.]	[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.] 1 Feet 2 Row 3 Moldboard bottoms Hauling 4 Pounds 5 Bushels 6 Tons	8 How many acres were covered? EXCLUDE land forming and hauling operations.	9 How many total hours were spent on land forming and hauling? [Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons, forklift etc.]	10 What power source was used? Tractors 1 <40 HP 2 40-99 HP 3 100-149 HP 4 150-199 HP 5 >=200 HP OR 66 Animal Drawn 77 Pick up ^{1/} 99 Self-Propelled	11 What was the fuel type of the tractor? [Record fuel type only if Column 10 equals 1-5] 1 diesel 2 gasoline 3 LP gas 4 other
No.	No.		Code	Code		Code	Acres	Hours	Code	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

[Enumerator Action: Were machine or equipment codes reported in Question 1?]

xxxx 1 ☐ Yes – Continue

3 ☐ No – Go to item 3

2. Were any of the machines or equipment reported in Columns 2 or 3 of Question 1 purchased new during 2023?.....

Yes = 1
No = 3

Code

xxxx

[If item 2 = 1, continue. Otherwise go to item 3.]

1 Machine purchased new in 2023	2 [Record machine code from respondent booklet.] Code	3 Dealer's list price of the machine. (This should be the "sticker price," not including discounts or trade-in values for used machinery.) Dollars
xxxx	xxxx	xxxx
xxxx	xxxx	xxxx
xxxx	xxxx	xxxx
xxxx	xxxx	xxxx
xxxx	xxxx	xxxx

3. Now I need some additional information about your labor.

Please report the paid and unpaid labor that worked on the selected field to produce the 2023 peanut crop.

EXCLUDE labor that was reported for field work performed by machines.

Type of Workers	How many hours did (type of worker) spend on the selected field—		
	1 scouting for weeds, insects and diseases? Hours	2 irrigating? Hours	3 performing other work by hand? 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

4. What was the average hourly wage rate paid to part-time or seasonal hired workers on the selected field? Part-time workers are defined as those who worked for wages or salaries for less than 30 hours a week on average. EXCLUDE custom and contract workers, payroll taxes and benefits.....

Dollars & Cents
Per Hour

OR

Total Dollars per
Week

AND

Number of Hours
Worked Each Week

1119
• ____

2119

3119

5. What was the average hourly wage rate paid to full-time hired workers on the selected field? EXCLUDE custom and contract workers, payroll taxes and benefits.....

Dollars & Cents
Per Hour

OR

Total Dollars per
Week

AND

Number of Hours
Worked Each Week

1118
• ____

2118

3118

6. Was any contract labor used on the selected field?.....
- [If item 6 = 1, continue. Otherwise go to item 7.]
- a. What was the average cost per acre for this contract labor?
INCLUDE operator, landlord, and contractor costs.....
7. What percent of the total number of unpaid hours worked on the selected 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.).....
8. Now I need some information on how much was spent (or will be spent) for custom services used on the selected field for the 2023 peanut crop.

Code

1116

Yes=1
No=3Dollars & Cents
Per Acre

1117

Percent

1120

1	2
Custom Service	Including operator, landlord, and contractor costs, how much was spent for [column1] on the selected field for the 2023 peanut crop?
Which of the following services were performed for the 2023 peanut crop on the selected field?	Dollars & Cents per Acre
[Check box for each service performed; refer to item 1 if necessary.]	
☐ a. Custom land preparation, shaping and/or leveling.....	1121
☐ b. Custom cultivating.....	1122
☐ c. Custom planting and/or reseeding.....	1123
☐ d. Custom harvesting.....	1124
☐ e. Custom hauling to storage or point of first sale (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1126
☐ f. Custom harvesting and hauling from field to storage or point of first sale (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1127
☐ g. Custom raking, baling, and hauling the straw from the selected field (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1128

Code

2748

Yes=1
No=3

1196

Yes=1
No=3

9. Were the peanuts harvested and hauled from the selected field dried (or will be dried) before it was sold or stored?.....
10. Did you hire any technical or consultant services to make recommendations such as for nutrient, pest control, irrigation, or precision farming for the selected field?.....
- [If item 10 = 1, continue. Otherwise, go to item 12.]
11. Which of the following technical or consultant services did you obtain to make recommendations for the selected field?

Code

1129

Yes=1
No=3

1130

Yes=1
No=3

1131

Yes=1
No=3

1132

Yes=1
No=3

- a. Nutrient recommendations/management service.....
- b. Soil or tissue sample collection.....
- c. Pest control recommendations/management service.....
- d. Pest scouting.....

	Yes=1 No=3	Code
e. Irrigation management service (i.e. irrigation scheduling).....		1133
f. Yield map or remote sensing map development/interpretation.....		1134
g. Other custom or technical service [Specify: _____].....		1135

[If any item in 11a–g = 1, continue. Otherwise go to item 13.]

	Yes=1 No=3	Code
12. Were any of the technical or consultant services listed in item 11a–g provided to you at no–cost or were partially reimbursed by the Natural Resources Conservation Service (NRCS)?.....		2748

13. What was the cost for any technical or consultant services reported in item 10. INCLUDE operator, landlord, and contractor costs. EXCLUDE cost of soil or tissue tests or scouting costs previously reported. Do not report costs for any of these services reported above if they were previously reported as part of the cost of materials and/or application.....

Dollars & Cents
per Acre

1136	_____
------	-------

OR

Total Dollars

1137

14. Please report how any data from the selected field in 2023 will be stored and accessed.

	Yes=1 No=3	Code
a. Did you access the data collected from the selected field on a—		
i. Paper hard copy?.....		2485
ii. Personal computer?.....		2486
iii. Mobile device?.....		2487
b. Did you access the data collected from the selected field through an agricultural technology provider website?.....		2488

[If item 14b = 1, continue. Otherwise go to item 15.]

	Yes=1 No=3	Code
c. Did you opt out of allowing your agricultural technology provider website to share data collected from the selected field with any third party?.....		2489
d. Did you share any of the data collected from the selected field with a third party through an agricultural technology provider website?.....		2490

	Yes=1 No=3	Code
15. Were there (or will there be) any data collection tools such as yield monitors, GPS mapping, etc. used during field operations on this peanut field?.....		2460

16. Please report the data collection technologies you used on the selected field to produce this crop.

1 Data Collection Tool	2 Tool Used Yes=1 No=3	3	4	5	6
		If the tool was used—			
		Collected GPS coordinates Yes=1 No=3	Data was/will be used to create a map Yes=1 No=3	Replacement Cost Total Dollars	Annual Fee1/ Total dollars
a. Yield monitor.....	2461	2462	2463	2570	2571
b. Soil tests on core sample performed on—farm or sent out to a laboratory.....	2464	2465	2466	2572	2573
c. Soil sensor tests.....	2467	2468	2469	2574	2575
d. Hard-wired crop condition sensors.....	2470	2471	2472	2576	2577
e. Wireless crop condition sensors.....	2473	2474	2475	2578	2579
f. Aircraft or satellites.....	2445	2446	2447	2448	2449
g. Drones or Unmanned Aerial Vehicles (UAV)..	2455	2456	2457	2458	2459
h. Custom service applications – data from completed work on your field.....	2479	2480	2481	2582	2583
i. Public data downloaded from online sources.	2482	2483	2484		

1/ INCLUDE custom service fees, data subscriptions, and online tool subscriptions.

[If item 15a column 2 = 1, continue. Otherwise go to item 17.]

17. Did you use the yield monitor information to—

- a. add/improve tile drainage?.....
- b. negotiate new crop leases?.....
- c. help determine chemical input use?.....

Code	
Yes=1 No=3	1141
Yes=1 No=3	1144
Yes=1 No=3	1143

[If any item 15 column 2 = 1, continue. Otherwise go to item 18.]

18. Using data collected from the previous tools table in item 15, did you obtain crop management recommendations, such as data interpretation, in 2023 for the selected field from any of the following—

- a. input dealers without other fee-for-services?.....
- b. input dealers with other fee-for-services?.....
- c. custom service providers?.....
- d. USDA/university extension services?.....

Code	
Yes=1 No=3	2491
Yes=1 No=3	2492
Yes=1 No=3	2493
Yes=1 No=3	2494

[If any item 17a–d = 1, ask—]

- e. What was the cost for all of these services? INCLUDE operator, landlord and contractor costs. EXCLUDE costs for any of these services if they were previously reported as part of the costs of materials and/or application.....

Dollars & Cents per Acre	OR	Total Dollars
3150		3151

[If item 15g column 2 = 1, ask—]

19. In the selected field, did you use the UAV for any of the following purposes?

	Code
a. Weed analysis.....	Yes=1 3161 No=3
b. Yield analysis.....	Yes=1 3165 No=3
c. Moisture analysis.....	Yes=1 3166 No=3

20. Was any of the following GPS-enabled (Global Positioning System) equipment used to produce peanuts on the selected field in 2023?

	Code
a. Mounted in-cab heads-up displays.....	Yes=1 2155 No=3
b. Smart phones or computer tablets.....	Yes=1 2156 No=3
c. Automatic section control, such as auto sprayer boom controls or automatic section shut offs	Yes=1 2165 No=3

21. If any GPS-enabled equipment was used, what was the cost to purchase and install all GPS-enabled equipment, not including guidance auto-steering equipment? INCLUDE cost for GPS receiver and annual GPS subscription fee, and operator, landlord, and contractor costs. EXCLUDE costs for any of this equipment if they were previously reported as part of the costs of materials and/or application.....

Dollars & Cents per Acre	OR	Total Dollars
2166		2167

22. Were any automated guidance systems (i.e. auto-steer), excluding Light Bar, used on the selected field?.....

Code
Yes=1 2148 No=3

[If item 21 = 1 continue, otherwise go to item 21f.]

	Code
a. Was the automated guidance system.....	1 New, owned? 2 Used, owned? 3 Leased? 2158

	Year
b. What year was the automated guidance system first purchased?.....	2159

Dollars & Cents per Acre	OR	Total Dollars
2160		2161

c. What is the replacement cost for the automated guidance system?.....

Dollars & Cents per Acre	OR	Total Dollars
2162		2163

d. What is the annual fee for the automated guidance system?.....

e. What is the primary reason you chose to use an automated guidance system? (Select all that apply.)

xxxx ☐ Increase yields	xxxx ☐ Reduce input costs	xxxx ☐ Reduce operator fatigue
xxxx ☐ Improve soil conditions (i.e. soil compaction)	xxxx ☐ Technology came "standard" on my equipment	xxxx ☐ Reduce environmental impacts (i.e. emissions)
xxxx ☐ Other		

[If item 21 = 3, ask—]

f. What is the primary reason you chose not to use an automated guidance system? (Select all that apply.)

xxxx ☐ Costs are too high relative to benefits	xxxx ☐ Benefits are uncertain	xxxx ☐ Too complicated to use
xxxx ☐ Not sufficiently accurate	xxxx ☐ Not suitable for my operation	xxxx ☐ Other

23. Was a variable rate applicator used on the selected field?.....

Yes=1
No=3

2164

[If item 22 = 1 continue, otherwise go to Section G]

Please report the variable rate applicator types you used on the selected field to produce this crop. If a particular row's variable rate applicator was not used, leave that row blank.

1	2	3	4	5	6
Was a variable rate applicator used on the selected field for—	Tool Used Yes=1 No=3	Was this applicator?— 1 Sensor-based 2 GPS-based 3 Both 4 Neither Code	Was this applicator?— 1 New, owned 2 Used, owned 3 Leased Code	What year was the applicator first used? Year	Premium paid for the applicator Total Dollars
a. seeding.....	1158	2170	2171	2172	2173
b. fertilizer/lime applications.....	1152	2174	2175	2176	2177
c. pesticide applications.....	1159	2178	2179	2180	2181
d. irrigation applications.....	1197	2182	2183	2184	2185

Acres

1160

1. How many acres in the selected field were irrigated for the 2023 peanut crop?.....

[If none, go to Conclusion]

2. Now I have some questions about the irrigation systems and water used on the selected field for the 2023 peanut crop.

Unit System

a. What type(s) of irrigation system(s) was (or were) used to irrigate the selected field? [Show System Type Codes in the Respondent Booklet. Enter System Type Code for the system covering the most field acres.].....

System Type Code	1161
Inches per Acre OR Total Acre Feet	1162 1163

b. What was the total quantity of water applied to the selected field during the entire growing season? INCLUDE all water used from both on-farm and off-farm sources.....

[If operator cannot provide item 2b, ask (i) and (ii). Otherwise go to item 2c]

i. What is the total number of hours this system was used to apply water to the selected field during the peanut growing season?.....

Total Hours	1164
-------------	------

ii. How many gallons per minute were applied?.....

Gallons per Minute	1165
--------------------	------

c. What percent of the water used to irrigate the selected field through this system came from surface water sources?.....

Percent	1166
---------	------

d. What was the number of times the selected field was irrigated during the peanut growing season using this system? INCLUDE any pre-plant irrigation.....

Number of Irrigations	1167
-----------------------	------

e. What was the pump type? [If more than one pump in the system, enter type for pump closest to water source.].....

1 Turbine
2 Submersible
3 Centrifugal
4 Booster
5 Siphon
99 No Pump

[If code 99, go to item j.].....

Code	1168
------	------

f. What was the average pumping rate?.....

Gallons per Minute	1169
--------------------	------

[If item 2a = code 1–9 (Pressure System), ask—]

g. What was the system operating pressure?.....

Pounds per Square Inch	1170
------------------------	------

h. What was the primary motor type used to pump the water?.....

1 Diesel
2 Gasoline
3 LP Gas
4 Natural Gas
5 Electricity
6 Solar Power

Code	1171
------	------

i. What was the average motor size?.....

Horsepower	1172
------------	------

[If No Pump was used, item 2e = 99, ask—]

j. What was the average flow rate?.....

Gallons per Minute	1173
--------------------	------

k. How many other acres on this operation were irrigated using the selected field's irrigation system during the 2023 growing season? EXCLUDE the selected field.....

Acres	1174
-------	------

	Dollars & Cents per Acre	OR	Total Dollars
3. What was the cost of the fuel or electricity used to irrigate the selected field? INCLUDE operator, landlord, and contractor costs.....	1189		1190
	.____		Code
4. Was any water purchased to irrigate the selected field? INCLUDE landlord's share and purchases from all sources.....		Yes=1 No=3	1191
[If item 4 = 1, continue. Otherwise go to item 5.]			
a. What was the total cost for the water purchased for the selected field during the 2023 growing season? INCLUDE operator, landlord, and contractor costs and ditch maintenance costs for the selected field.....	1193		1194
	.____		Total Dollars
[If siphon tubes were used, item 2a = 10 or 11, ask—]			1201
5. What would be the total cost to replace all the siphon tubes used on the selected field?.....			Total Dollars
[If poly pipe system was used, item 2a = 14, ask—]			1202
6. What was the total amount spent for poly pipe used on the selected field during the 2023 growing season? INCLUDE operator, landlord, and contractor costs.....			Inches
[If gated pipe system was used, item 2a = 15 or 16, ask—]			1203
7. What was the average diameter of gated pipe used to irrigate the selected field?.....			Feet
a. What was the total length of gated pipe used?.....			1204
			Code
[If Pipe systems were used, item 2a = 10, 11, 14, 15 or 16, ask—]			1205
8. Were wells used to supply irrigation water for the selected field?.....		Yes=1 No=3	Number
[If item 8 = 1, continue. Otherwise go to item 9.]			1206
a. How many wells were used to irrigate the selected field?.....			Inches
b. What was the average diameter of the outer well casing?.....			1207
c. What was the average pumping depth of these wells during the irrigation season? 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.....			Feet
			1208
			Code
d. Were other fields irrigated using water pumped from wells that supplied water to the selected field?.....		Yes=1 No=3	1210
[If item 8d = 1, continue. Otherwise go to item 9.]			Acres
e. Excluding the selected field, how many other acres on this operation were irrigated using the same wells during the 2023 growing season?.....			1211
	.____		Code
9. Was any additional mainline or lateral pipe used to carry water from the source to the system in the same wells during the 2023 growing season?.....		Yes=1 No=3	2211
			Inches
[If item 9 = 1 continue. Otherwise go to Conclusion.]			1212
a. What was the average diameter in inches of the most common type of this additional pipe used?....			Feet
b. How many feet of this additional pipe were used to bring water to the selected field?.....			1213

Skip to next page

OR

Space for Notes and Comments

32
CONCLUSION

Location of Selected Field

Office Use

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

County Name

State County FIPS Code

1. What county is the selected peanut field in?.....

0010

LATITUDE

LONGITUDE

a. Field location.....

9854

decimal

9855

decimal

[Enumerator Action: Use the iPad app to find the coordinates for the center of the selected field. Confirm with the operator using the aerial imagery that this is the correct field.]

We will need additional information to complete this study. We will contact you in February or March 2024 to collect it.
I'll call you then to set up a time that is good for you.

Office Use Only

0005

OR

0008

Records Use

2. [Did respondent use farm/ranch records to report—]

Code

Yes=1

No=3

0011

[fertilizer data].....

Code

Yes=1

No=3

0012

[pesticide data].....

Code

Yes=1

No=3

0013

[majority of this expense data?].....

Supplements Used

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

Number

0041

Fertilizer Supplement.....

Number

0042

Pesticide Supplement.....

Number

0043

Field Operations.....

Contact Information

Operator Email:

Operator Phone:

9929

9917

Check to
receive results
by email

☐

9918

()

check if
cell phone

☐

Operation Email: (if different from above)

Operation Phone: (if different from above)

9937

9920

Check to
receive results
by email

☐

9936

()

check if
cell phone

☐

Respondent Name:

Respondent Phone (if different from above)

9912

9911

()

check if
cell phone

☐

9910 MM DD YY

Date: ____

This completes the survey. The results will be available on the release date at nass.usda.gov/results
Thank you for your help.

OFFICE USE

R. Unit	Ptr 1 Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optional Use				
9921	9922	9923	9927	9928	923	9907	922	9906	9916			
Response		Respondent		Mode		Enum.	POID					
1-Comp 2-R 3-Inac 4-Office Hold	9901	1-Op/Mgr 2-Spouse 3-Acct/Bkpr 4-Partner 9-Other	9902	2-PATI (tel) 3-PAPI (Face-to-Face)	9903	9998	9989					

							Eval.		Change			
							9900		9985			