

AGRICULTURAL RESOURCE MANAGEMENT SURVEY

OMB No. 0535-0218
 Approval Expires: X/XX/20XX
 Project Code: 906
 Survey ID: 1312 Phase 2



U.S. Department of Agriculture
 National Operations Division
 9700 Page Avenue, Suite 400
 St. Louis, MO 63132-1547
 Phone: 1-888-424-7828
 Fax: 855-415-3687
 Email: sm.nass.nod.fpg@usda.gov

CORN PRODUCTION PRACTICES AND COSTS REPORT FOR 2026

VERSION 11	ID _____	TRACT 01	SUBTRACT _____	C-TYPE 106
---------------	-------------	-------------	-------------------	---------------

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 without your consent 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 75 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.

H H M M

BEGINNING TIME
 [MILITARY]

SCREENING BOX

Check if verified POID _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Check if cell phone

Phone: (____) _____

Check if verified POID _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Check if cell phone

Phone: (____) _____

Check if verified POID _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Check if cell phone

Phone: (____) _____

Check if verified POID _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Check if cell phone

Phone: (____) _____

CORN FIELD SELECTION

Total Planted Acres

0050

1. How many acres of corn did this operation plant for the 2026 crop year?.....

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

[I will follow a simple procedure to make a random selection from the corn fields planted for the 2026 crop.]

Total Number of Fields Planted

0020

2. What is the total number of corn fields that were planted on this operation?.....

[If only one field enter "1" and go to item 4.]

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

- 1 Northern most field
- 2 Southern most field
- 3 Eastern most field
- 4 Western most field
- 5 Northeastern most field
- 6 Southeastern most field
- 7 Northwestern most field
- 8 Southwestern most field

Field description:

[Empty box for field description]

APPLY "RANDOM NUMBER" LABEL HERE

4. The field selected is _____ (field name/number/description).
During this interview, the corn questions will be about this selected corn 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.]

- a. Farm Number (up to 8 digits).....
- b. Tract Number (up to 7 digits).....
- c. Field Number (up to 4 digits, exclude subfield letters).....

Number
1070
1071
1072

OFFICE USE OY Field Substituted
0022

1. How many acres of corn did this operation plant in the selected field for the 2026 crop?.....

Acres
1301

a. Are the acres in the selected field certified organic or transitioning into certified organic corn production?.....

Code
Yes, certified organic=1
Yes, transitioning=2
No=3
4068

[If item 1a = 1, then ask--]

b. What was the cost, per acre, for third party organic certification?.....

Dollars & Cents per Acre
1891

2. Were the acres in the selected field--.....

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?

Code
1302

[If field is cash rented (item 2 = 2, 3, or 5), ask item 3, otherwise go to item 4.]

3. What was the cash rent paid per acre for the selected 2026 corn field?.....

Dollars & Cents per Acre
1303

[If field is share rented (item 2 = 4 or 5), ask--]

4. What was the landlord's share of the crop from the selected field?.....

Percent
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 2026 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 OR Total Dollars
1305 1306

6. In what year did you (the operator listed on the label) start operating the selected field?.....

Year
1312

7. On what date was the selected field planted?.....

M M D D
1308
_____ 2026

a. What was your yield goal at planting for the selected field?.....

Unit Code
1 Pounds
2 CWT
3 Tons
4 Bushels
Units per Acre
0216 0217

8. Was the corn on the selected field planted with the intention of being harvested as.....

1 Grain
2 Silage
4 Seed
25 Other

Code

3327

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

1313

1314

Unit Code

1 Pounds/Acre
2 CWT/Acre
4 Bushels/Acre
25 Kernels-Seeds/Acre
38 Kernels-Seeds/Foot

Units

a. What was the average corn row width for the selected field?.....

1322

Inches

10. How many acres in this field had to be replanted to corn?.....

1315

Acres

(Acres replanted = Number of acres x Number of times replanted)

11. 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.....

1319

1320

Unit Code

1 Pounds
2 CWT
4 Bushels
22 Acres
23 Approx. 80,000 kernel bags

Dollars & Cents per Unit

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

2342

Commercial Seed Product Name

a. What was the seed product code? [Enter the appropriate product code from the Respondent Booklet (page 5). Enter "999" if a seed product was purchased but is not listed. Enter "-1" if the product is not known.].....

2343

Code

13. For what reason(s) did you choose this commercial seed product? (Select all that apply.)

- | | | |
|--|--|--|
| 4077 <input type="checkbox"/> Increase yields through improved pest control | 4078 <input type="checkbox"/> Reduce refuge requirements | 4079 <input type="checkbox"/> Decrease pesticide input costs |
| 4008 <input type="checkbox"/> Resistance to herbicide intentionally applied to the field | 4009 <input type="checkbox"/> Resistance to herbicide drift from nearby fields | 4080 <input type="checkbox"/> Save management time or labor or to improve ease of management |
| 4010 <input type="checkbox"/> Other, specify: ⁴⁰⁸¹ _____ | | |

14. Was the corn seed in the selected field—.....

1 Genetically modified/genetically engineered (GMO/GE)?
2 Non-genetically modified/non-genetically engineered (non-GMO/GE)?

4076

Code

[If item 14 = 1, continue. Otherwise, go to item 16.]

15. Did the corn planted on the selected field have any of the following genetically modified organism/genetically engineered (GMO/GE) traits?

		Code
a. Insect resistance (Bt).....	Yes=1 No=3	2502
b. Insect resistance with multiple (pyramided) modes of action.....	Yes=1 No=3	2504
c. Herbicide tolerance to glyphosate (e.g. Roundup Ready®).....	Yes=1 No=3	0363
d. Herbicide tolerance to glufosinate (e.g. LibertyLink®).....	Yes=1 No=3	2508
e. Herbicide tolerance to dicamba (e.g. Xtend®).....	Yes=1 No=3	2510
f. Herbicide tolerance to 2,4-D (e.g. Enlist®).....	Yes=1 No=3	2512
g. Drought tolerance (e.g. DroughtGard®).....	Yes=1 No=3	2516
h. Enzyme technology for ethanol (e.g. Enogen®).....	Yes=1 No=3	2702

		Code
16. Was the corn planted on the selected field drought tolerant?.....	Yes=1 No=3	2703

[If item 16 = 1, ask--]

		Code
a. Were these GMO/GE drought-tolerant seeds (e.g. Genuity® DroughtGard®)?.....	Yes=1 No=3	2704
b. Were these non-GMO/GE drought-tolerant seeds (e.g. Optimum® AQUAmax®, Agrisure Artesian®)?.....	Yes=1 No=3	2705

		Percent
c. What share (percent) of your operation's total corn acreage was drought-tolerant in 2026?.....		2715

		Code
17. Has harvest of the selected field been completed?.....	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	1 What yield per acre did you or do you expect to get for corn -- Units per Acre	2 Unit Codes 1 Pounds 2 CWT 3 Tons 4 Bushels
18. How many acres in the selected corn field were or will be--			
a. harvested for grain, first crop?.....	1346	1347	1348
b. harvested for silage or green chop?.....	1349	1350	Tons
c. harvested for seed?.....	1431	1432	1433
d. abandoned?.....	1351		
e. used for some other purpose?.....	1439		

19. Were the stalks/stover harvested from the selected field?.....

Yes=1
No=3

Code
1754

[If item 19 = 1, continue. Otherwise go to item 21.]

20. How many acres of corn stalks/stover were harvested from this corn field?.....

Acres
1755

Total Tons
1756

a. How many tons of corn stalks/stover were harvested from these corn acres?.....

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

21. Did any livestock graze this corn field after harvest of the 2026 corn crop?.....

Yes=1
No=3

Code
1023

[If item 21 = 1, continue. Otherwise go to item 23.]

22. What type of livestock grazed this corn field after harvest of the 2026 corn crop?.....

1 Cattle
2 Sheep
3 Other, specify: _____

Code
1024

Head
1027

a. About how many head of livestock grazed this corn field?.....

Days
1028

b. How many days did this livestock graze on this corn field?.....

23. Was any of the residue from the prior crop (corn stover, wheat straw, etc.) removed post-harvest?.....

Yes=1
No=3

Code
1373

24. Did any livestock graze this field following planting of the previous crop? INCLUDE post-harvest grazing of residue from the prior crop or grazing between planting and harvest of the cover crop/previous crop during the Fall/Winter of 2025/2026.....

Yes=1
No=3

Code
2718

Crop Code List for item 25 - Previously Planted Crops			
190 Barley	311 Grasses, including clover	22 Rye (cereal)	165 Wheat, winter
6 Corn for grain	1 Hay, alfalfa	34 Ryegrass, annual	318 No crop planted
5 Corn for silage	11 Hay, all other	240 Sorghum, all	291 Other field crop
283 Cotton (all)	15 Oats	26 Soybeans	292 Other crop
302 CRP	21 Rice	263 Wheat, durum or spring	312 Cover crop mix

25. Please report the history of crops 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? Yes=1 No=3	3 If a cover crop was planted, what was the final method used to terminate this cover crop? 1 Tilled-in 2 Herbicide 3 Rolled 4 Grazed 5 Harvested for forage 6 Harvested for grain 7 Winter killed	4 What type of tillage ^{1/} was used? 1 No tillage 2 Strip tillage 3 Reduced tillage 4 Conventional tillage
Season and Year	Crop Name	Crop Code		Code	Code
a. Spring/Summer of 2026?...	Corn				xxxx
b. Fall of 2025?.....		1343	1470	1471	xxxx
c. Spring/Summer of 2025?...		1369	1472	1473	xxxx
d. Fall of 2024?.....		1372	1474	1475	xxxx
e. Spring/Summer of 2024?...		1375	1476	1477	xxxx
f. Fall of 2023?.....		1378	1478	1479	xxxx
g. Spring/Summer of 2023?...		1381	1480	1481	xxxx
h. Fall of 2022?.....		1366	1482	1483	xxxx
i. Spring/Summer of 2022?...		1340	1484	1485	xxxx

^{1/}No-till leaves soil and previous crop residue undisturbed from harvest to planting.
Strip-till uses special equipment to till strips between crop rows, leaving the crop rows mostly undisturbed from harvest to planting.
Reduced till refers to tillage with fewer passes and/or lower disturbance implements than conventional tillage, such as ridge till, chisel plowing, field cultivation, tandem disking, or vertical tillage.
Conventional till is the practice of tilling by moldboard plow or disc plow where the soil surface and subsurface layers are disturbed.

[If a cover crop was planted in Spring/Summer/Fall 2025, ask--]

Dollars & Cents
per Acre

j. What was the seed cost per acre for the cover crop?.....

1468	_____
------	-------

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.....

1495	_____
------	-------

l. In addition to the final method used to terminate the cover crop (reported in column 3 above), what other practices were applied to this cover crop? (Select all that apply.)

- 4082 Tilled in 4083 Terminated with herbicide 4084 Rolled
 4085 Grazed 4086 Harvested for forage 4087 Harvested for grain

26. 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	0702
No=3	

27. 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.....

	Code
Yes=1	1405
No=3	

28. 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	

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

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

	Code
2401	

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

	Code
Yes=1	2402
No=3	

[If 30 = 1, continue. Otherwise go to item 31.]

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

	Year
2403	

b. What is the average width (space between tiles) of your drainage system?.....

	Feet
2607	

c. What is the average or most common diameter of your tiles?.....

	Inches
2605	

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

	Code
Yes=1	2406
No=3	

e. Does this drainage system have surface inlets?.....

	Code
Yes=1	2719
No=3	

f. Where does this system empty?.....

- | |
|--|
| 1 an open, single stage ditch
2 a natural waterbody
3 a saturated buffer
4 a retention pond
5 another type of receiving system |
|--|

	Code
2720	

31. 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?

	Unit Code
	1 Current
	2 Past
	3 Never

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

32. For each of the following conservation practices or plans, indicate if the practice or plan was used on the selected field and any financial assistance associated with the practice or plan.

Conservation Practices or Plans	Was this practice or plan used on the selected field in 2026?	What financial assistance (cost-share) has been received for this practice on the selected field?
	1 Used in 2026 2 Not used in 2026 but used in earlier years 3 Never used Code	1 Received a payment in 2026 from EQIP, CSP, or similar program 2 Did not receive a payment in 2026 but have in earlier years 3 Have never received a payment for this practice Code
a. Contour farming	4088	4089
b. Terraces	4090	4091
c. Grass waterway	4092	4093
d. Filter strips	4094	4095
e. Field borders	4096	4097
f. Riparian buffers	4098	4099
g. Precision nutrient application	4100	4101
h. Irrigation water management	4102	4103

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

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

- a. Water-driven erosion.....
- b. Wind-driven erosion.....
- c. Soil compaction.....
- d. Poor drainage.....
- e. Low organic matter.....
- f. Water quality.....
- g. Water availability.....
- h. Other concerns.....

2407
2408
2409
2410
2411
2412
2415
2413

[If items 33a-h 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?.....

	Code
Yes=1 No=3	1552

34. In 2026, was the corn in the selected field covered by a single or named peril crop insurance policy (e.g. hail, replant, wind, freeze)?.....

Yes=1
No=3

Code
2520

[If item 34 = 1, continue. Otherwise go to item 35.]

a. In 2026, was the corn in the selected field covered by more than one single or named peril crop insurance policies (e.g. hail, replant, wind, freeze)?.....

Yes=1
No=3

Code
2517

b. What was the dollar amount of coverage per acre for the single peril policy covering the selected field?.....

Dollar & Cents
per Acre
2521

c. What was the premium cost per acre for the single peril policy covering the selected field? EXCLUDE any sign-up fee.....

2523

d. What was the percent deductible for the single peril policy covering the selected field? [Record no deductible as "0".].....

Percent
2522

e. Did you or will you collect an indemnity payment for the selected field from the single peril policy during 2026?.....

Yes=1
No=3

Code
1394

35. In 2026, was the corn in the selected field covered by a multi-peril crop insurance policy?.....

Yes=1
No=3

Code
1385

[If item 35 = 1, continue. Otherwise go to Section C]

a. Which coverage did you obtain?..

1 Federal CAT (basic catastrophic insurance)
 2 Yield Protection (YP)
 3 Revenue Protection (RP)
 4 Other multi-peril crop insurance

Code
1386

[If item 35a = 2, ask--]

i. What percent of yield coverage did you select for the selected field?.....

Percent
1387

ii. What percent of price coverage did you select for the selected field?.....

1388

[If item 35a = 3, ask--]

iii. What percent of revenue coverage did you select for the selected field?.....

Percent
1389

b. What type of unit coverage did you purchase for the multi-peril policy on the selected field?.....

1 Basic
 2 Optional
 3 Enterprise

Code
2524

c. In what year did you, the operator listed on the label, first purchase multi-peril crop insurance on the selected field?.....

Year
2525

d. What is the 2026 Approved APH (actual production history) yield for the selected field?.....

CWT per Acre
2526

e. What was the premium paid for multi-peril crop insurance for the selected field in 2026? EXCLUDE any administrative fee.....

Dollars & Cents
per Acre
2527

f. Did you or will you collect an indemnity payment for the selected field from multi-peril crop insurance during 2026?.....

Yes=1
No=3

Code
2528

1. Were commercial nutrients or fertilizers applied to the selected field for the 2026 corn crop? INCLUDE those from operators, landlords, and contractors....

Yes=1
No=3

Code	Office Use Edit Table
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 2026 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 or fertilizers <input type="checkbox"/> Nutrients or fertilizers applied in the fall of 2025 and those applied earlier if the selected field was fallow in 2025. <input type="checkbox"/> Commercially prepared manure or compost	<input type="checkbox"/> Micronutrients <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Nutrients or fertilizers applied to previous crops in the selected field <input type="checkbox"/> 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
4 Ammonium nitrate	[specify: _____]
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 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	8 Was this applied using variable rate technology (VRT)? Yes = 1 No = 3
	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	27
02	31	32	33	34	35	36	37	38	39	40	27
03	31	32	33	34	35	36	37	38	39	40	27
04	31	32	33	34	35	36	37	38	39	40	27
05	31	32	33	34	35	36	37	38	39	40	27
06	31	32	33	34	35	36	37	38	39	40	27
07	31	32	33	34	35	36	37	38	39	40	27
08	31	32	33	34	35	36	37	38	39	40	27
09	31	32	33	34	35	36	37	38	39	40	27
10	31	32	33	34	35	36	37	38	39	40	27

4. Were any nutrients or fertilizers applied by custom applicators?.....
 Yes=1 No=3 Code 0214

[If item 4 = 1 continue. Otherwise go to item 5.]

a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?.....
 Yes=1 No=3 Code 2216

[If item 4a = 1 continue. Otherwise go to item 5.]

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

EXCLUDE custom application of lime, gypsum, purchased manure, and purchased compost.....

Dollars & Cents per Acre	OR	Total Dollars
0219 . ____		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
- costs for sulfur and micronutrients
- materials applied to the selected field if it was fallow in 2025

EXCLUDE lime, gypsum, purchased manure, and purchased compost.....

Dollars & Cents per Acre	OR	Total Dollars
0221 . ____		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.]

6. Was gypsum applied to the selected field for the 2026 corn crop?.....
 Yes=1 No=3 Code 0218

7. Was a soil test for soil organic matter performed on this corn field at some point in the last 10 years?.....
 Yes=1 No=3 Code 3225

[If item 7 = 1, ask--]

a. What was the percentage of soil organic matter on the field for the most recent test?.....
 Percent 3226

b. How many times have you tested the selected field for soil organic matter in the last 10 years?.....
 Number 3227

8. Was a soil or plant tissue test performed on the selected corn field in 2025 or 2026 for the 2026 crop?.....
 Yes=1 No=3 Code 0224

[If item 8 = 1, continue, otherwise go to item 13.]

9. Was a soil test for phosphorus performed on the selected corn field in 2025 or 2026 for the 2026 crop?.....
 Yes=1 No=3 Code 0225

[If item 9 = 1 ask--]

a. How many pounds of phosphorus per acre were recommended by the phosphorus test?.....
 Pounds per Acre 0226

10. Was a soil test for nitrogen performed on this corn field in 2025 or 2026 for the 2026 crop?.....
 Yes=1 No=3 Code 0227

[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 2025 or 2026 for the 2026 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

a. Did you receive a payment from a conservation program (CSP, EQIP, or other) for performing a soil or plant tissue test?.....

Yes=1	Code	4121
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—

a. Results of a soil or plant tissue test?.....	Yes=1	Code	0233
	No=3		
b. Crop consultant recommendation?.....	Yes=1	Code	0234
	No=3		
c. Fertilizer dealer recommendation?.....	Yes=1	Code	0235
	No=3		
d. Extension Service recommendation?.....	Yes=1	Code	0236
	No=3		
e. Cost of nitrogen and/or expected commodity price?.....	Yes=1	Code	0237
	No=3		
f. Contractor recommendation?.....	Yes=1	Code	0238
	No=3		
g. Routine practice – operator's own determination based on past experience, yield goal, etc.?..	Yes=1	Code	0239
	No=3		

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

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	Code	0241
--	------	------

[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. Was time-released fertilizer applied to the selected field?.....

Yes=1	Code	2567
No=3		

16. Is lime ever applied to the selected field?.....

Yes=1	Code	0242
No=3		

[If item 16 = 1 continue, otherwise go to item 17.]

a. On average, how many years are there between applications of lime to the selected field?.....

Years	0243
-------	------

b. How many tons of lime were applied per acre the last time it was applied to the selected field?.....

Tons per Acre	0244

c. Was lime applied to the selected field in 2025 or 2026 for the 2026 crop?.....

Yes=1	Code	0240
No=3		

17. 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 2026 corn crop? EXCLUDE commercially prepared manure.....

	Code
Yes=1	0246
No=3	

[If item 17 = 1 continue. Otherwise go to item 19.]

a. To how many acres in the selected field was manure or compost (including composted manure) applied?.....

Acres
0247

b. Of the total acres in the selected field, to how many acres was the following applied?

i. Compost.....

Acres
0268

ii. Composted manure.....

4124

iii. Raw manure.....

4125

Unit Codes
1 Tons
2 Gallons
3 Bushels
4 Cubic yards

c. What was the amount of manure or compost (including composted manure) applied per acre to the selected field?.....

Units per acre	0249	0248
----------------	------	------

d. Of the total manure or compost (including composted manure) applied to the selected field for the 2026 corn crop, what was the percent applied--

i. in the fall before planting?.....

Percent	0254
---------	------

ii. in the spring before planting?.....

0255

iii. after planting?.....

0256

= 100%

e. Was the manure or compost (including composted manure)--.....

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

Code
0257

f. Was the manure or compost (including composted manure)--.....

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

Code
0258

g. Was the major source of manure or compost (including composted manure) from--.....

1 Beef cattle?	6 Equine?
2 Dairy cattle?	7 Biosolids - municipal sludge?
3 Hogs?	8 Food waste?
4 Sheep/goats?	9 Other?
5 Poultry?	2752 Specify: _____

Code
0259

h. Was the manure or compost (including composted 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

[If item 17h = 2, continue, otherwise go to item 17i.]

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

Dollars & Cents per Acre	OR	Total Dollars
0284		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 17hii = 1, ask—]

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

Dollars & Cents per Acre	OR	Total Dollars
0287		0288

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

i. Of the manure or compost (including composted manure) 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 (including composted manure) application?

Yes=1 No=3
0262

[If 17j = 1, ask—]

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

Percent
0263

18. 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 18 = 1, ask--]

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

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

Code
Yes=1 No=3
0265

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

Yes=1 No=3
0266

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

a. Change the type of commercial fertilizer products applied on the selected field, such as less anhydrous ammonia and more urea.....

Code
Yes=1 No=3
1226

b. Manage fertilizer use more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on the selected field.....

Yes=1 No=3
1228

c. Change your crop rotation, such as plant corn on the selected field rather than usual crop rotation.....

Yes=1 No=3
1227

d. Reduce the application of commercial nitrogen fertilizer.....

Yes=1 No=3
1224

[If item 19d = 1, ask--]

i. By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 2026?..

Percent
1225

Now I have some questions about all the biocontrols or pesticides used on the selected field for the 2026 corn 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 corn field for the 2026 crop?.....

Yes=1
No=3

Code	Office Use Edit Table
0302	0300

[Probe for applications made in the fall of 2025 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. INCLUDE biological and botanical pesticides.	EXCLUDE adjuvants, nutrients or fertilizers reported earlier and seed treatments.
--	---

Office Use Line 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 the selected field? [Show product codes from Respondent Booklet.]	Was this product bought in liquid or dry form? [Enter L or D]	If this was part of a tank mix, enter line number of first product in mix.	When was this applied? 1 Before planting 3 At planting 4 After planting 5 Defoliation prior to harvest	How much was applied per acre per application?	What was the total amount applied per application in the selected field?	[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 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	10	11	12	13	14	
	How was this product applied? [Enter code from above.]	Was this applied using variable rate technology (VRT)? Yes = 1 No = 3	How many acres in the selected field were treated with this product? Acres	How many times was it applied? Number	Were these applications made by– 1 Operator, partner, or family member? 2 Custom applicator? 3 Employee/Other?	What was the cost per unit of the product? Dollars & Cents Per Unit	
							Unit Code 1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry ounces 13 Quarts 30 Grams 14 Pints
01	76	83	77	79	80	81	82
02	76	83	77	79	80	81	82
03	76	83	77	79	80	81	82
04	76	83	77	79	80	81	82
05	76	83	77	79	80	81	82
06	76	83	77	79	80	81	82
07	76	83	77	79	80	81	82
08	76	83	77	79	80	81	82
09	76	83	77	79	80	81	82
10	76	83	77	79	80	81	82
11	76	83	77	79	80	81	82
12	76	83	77	79	80	81	82
13	76	83	77	79	80	81	82
14	76	83	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 ask--. 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
0331
Total Dollars
0332 OR

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 2025 fallow period. EXCLUDE seed treatments..... Dollars & Cents per Acre
0334
Total Dollars
0335 OR

a. How much was spent for herbicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs..... Dollars & Cents per Acre
3034
Total Dollars
3035 OR

b. How much was spent for insecticide products applied to the selected field? INCLUDE operator, landlord, and contractor costs..... Dollars & Cents per Acre
3036
Total Dollars
3037 OR

c. How much was spent for fungicide products applied to the selected field? INCLUDE operator, landlord, and contractor costs..... Dollars & Cents per Acre
3038
Total Dollars
3039 OR

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 2026 corn 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

- | | | |
|--|---------------|--------------|
| 1. Were weather data used to assist in determining either the need or when to make pesticide applications?..... | Yes=1
No=3 | Code
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?..... | Yes=1
No=3 | Code
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
No=3 | Code
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 the selected corn field before weeds emerged?..... | Yes=1
No=3 | Code
0803 |
| 5. Were herbicides applied to the selected corn field after weeds emerged?..... | Yes=1
No=3 | Code
0805 |
| 6. Were records kept for the selected field to track the activity or numbers of weeds, insects, or diseases?..... | Yes=1
No=3 | Code
0823 |
| 7. Did you use published information on infestation thresholds to determine when to take measures to manage pests in the selected field?..... | Yes=1
No=3 | Code
1824 |

8. In 2026, 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 13.]

Code

0808

9. Was an established scouting process such as systematic sampling, recording counts, etc. used or were insect traps used in the selected field? EXCLUDE traps checked as part of a boll weevil eradication program.....

Code

0809

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

- a. a pest advisory warning?.....
- b. a pest development model?.....

Code

0810
0811

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

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

	Code
12. Were scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in the selected field?.....	0824

13. Do you believe that the selected field was infested with any of the following insects or other pests?

		Code
a. Corn rootworms?.....	Yes=1 No=3	2725
b. Corn borers?.....	Yes=1 No=3	2727
c. Corn earworms?.....	Yes=1 No=3	2731
d. Other pests?.....	Yes=1 No=3	xxxx

14. Did you use field mapping of previous weed problems to assist you in making weed management decisions?.....

		Code
Yes=1 No=3		0825

15. 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 corn from non-organic crops or land, or take a buffer harvest?.....	Yes=1 No=3	0856
q. Plant earlier or later to avoid weeds?.....	Yes=1 No=3	0865

16. Were any beneficial organisms, such as insects, nematodes, or fungi, applied or released in the selected field to manage pests?.....	Yes=1 No=3	Code 0853
17. Were floral lures, attractants, repellants, pheromone traps, or other biological pest controls used on the selected field?.....	Yes=1 No=3	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

18. Do you believe that fungal contamination from mycotoxins (e.g., aflatoxins, fumonisins, or deoxynivalenol (DON, vomitoxin)) affected corn grown on the selected field in 2026?.....	Yes=1 No=3	Code xxxx
---	---------------	--------------

19. Did you use any of the following practices to manage or reduce the risk of mycotoxins on the selected field in 2026?

- a. Adjust planting dates.....
- b. Harvest early.....
- c. Increase irrigation scheduling.....
- d. Increase insecticide use.....
- e. Increase fungicide use.....
- f. Apply biofungicides (e.g., Afla-Guard®, AF36, Aflasafe™).....

Yes=1 No=3	Code xxxx
Yes=1 No=3	Code xxxx
Yes=1 No=3	Code xxxx
Yes=1 No=3	Code xxxx
Yes=1 No=3	Code xxxx
Yes=1 No=3	Code xxxx

20. Was a trap crop, excluding fallow, grown to help manage insects in the selected field?.....	Yes=1 No=3	Code 0863
21. Was the selected field left fallow in 2025 to help manage insects on the selected field?.....	Yes=1 No=3	Code 0864

22. 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 No=3	Code 0861
--	---------------	--------------

23. Was protection of beneficial organisms a factor in your pest control decisions for the selected field?.....	Yes=1 No=3	Code 1765
---	---------------	--------------

[If item 23 = 1, continue. Otherwise, go to item 24.]

- a. Did you change timing of, reduce application rate of, or eliminate a pesticide application?....
- b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice?.....

Yes=1 No=3	Code 1766
Yes=1 No=3	Code 1767

24. Did you cultivate the selected field for weed control?.....	Yes=1 No=3	Code 2453
---	---------------	--------------

[If item 24 = 1, ask--]

a. How many times?.....	Number 2454
-------------------------	----------------

25. Did you plant genetically-engineered rootworm-resistant seed (Bt-CRW) on the selected field in 2026?.....

Code	
Yes=1	2926
No=3	

[If item 25 = 1, continue. Otherwise, go to item 26.]

a. How many consecutive years have you used rootworm-resistant seeds (Bt-CRW) on the selected field? Note: A producer who planted Bt-CRW corn in 2026 and 2025, but planted conventional corn in 2024, has used Bt corn for '2' consecutive years.....

Number of Years
2927

b. Have you ever switched from a rootworm-resistant seed (Bt-CRW) with one mode of action (MOA) to a pyramided (multiple MOAs) rootworm-resistant seed?.....

Code	
Yes=1	2928
No=3	

[If item 25b = 1, ask--]

c. What year did you switch from a rootworm-resistant seed with one MOA to a pyramided rootworm-resistant seed?.....

Year
2929 _ _ _ _

26. Did you plant GMO/GE glyphosate-tolerant corn on the selected field in 2026?.....

Code	
Yes=1	2926
No=3	

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

a. What year did you first plant any GMO/GE glyphosate-tolerant seeds on the selected field?.....

Year
2929 _ _ _ _

b. How many consecutive years have you used GMO/GE glyphosate-tolerant (GT) seeds on the selected field? Note: A producer who planted GT corn in 2026 and 2025, but planted conventional corn in 2024, has used GT Corn for '2' consecutive years.....

Number of Years
2927

27. Have you ever used any of the following practices on the selected field to prevent or reduce the spread of glyphosate-resistant weeds?

Code	
Yes=1	0886
No=3	
Yes=1	0887
No=3	
Yes=1	0888
No=3	
Yes=1	0889
No=3	
Yes=1	0890
No=3	
Yes=1	0891
No=3	
Yes=1	0892
No=3	
Yes=1	xxxx
No=3	

a. Control weeds early.....

b. Control weed escapes.....

c. Clean equipment between moving from one field to the next.....

d. Use herbicides other than glyphosate.....

e. Use tillage to control weeds.....

f. Use the herbicide label recommended application rate.....

g. Rotate crops.....

h. Use crop robots for laser or mechanical weeding.....

28. Have any of the following herbicides been used on the selected field in the specified years since 2022?

1 Active Ingredients	2 2026 Yes=1 No=3	3 2025 Yes=1 No=3	4 2024 Yes=1 No=3	5 2023 Yes=1 No=3	6 2022 Yes=1 No=3
a. Glyphosate (e.g. Roundup®)	2001	2002	2003	2004	2005
b. Glufosinate (e.g. Liberty®)	2006	2007	2008	2009	2010
c. Dicamba (e.g. Xtend®, Xtendimax®, Engenia®)	2011	2012	2013	2014	2015
d. 2, 4-D (e.g. Enlist®)	2738	2739	2740	2741	2742

Code

29. Have herbicide-tolerant seeds been planted for any crop grown on the selected field since 2022?.....

Yes=1
No=3

2021

[If item 29 = 1 continue, otherwise go to item 30.]

		If column 2 = 1, ask questions in columns 3 - 6			
1 For herbicide-tolerant seeds that are tolerant of--	2 Have you noticed a decline in the effectiveness of herbicides in controlling weeds in the selected field? Yes=1 No=3	3 What was the first year you noticed a decline in the effectiveness of herbicides in controlling weeds in the selected field? Year	4 Stop planting herbicide-resistant crops with this trait? Yes=1 No=3	5 Change tillage practices? Yes=1 No=3	6 Switch to an alternative herbicide? Yes=1 No=3
a. Glyphosate (e.g. Roundup®)	2022	2023	2024	2025	2026
b. Glufosinate (e.g. Liberty®)	2027	2028	2029	2030	2031
c. Dicamba (e.g. Xtend®, Xtendimax®, Engenia®)	2032	2033	2034	2035	2036
d. Active Ingredients in the Sulfonylurea family (e.g. Leadoff®, Permit®)	2743	2744	2745	2746	2747
e. 2, 4-D (e.g. Enlist®)	2037	2038	2039	2040	2041

Unit Codes

1 Pounds
2 CWT
3 Tons
4 Bushels

Units per Acre

30. If untreated (either with insecticides or Bt seed), how much yield loss (e.g. bushels per acre) do you think corn borers would most likely cause on the selected field?.....
31. If untreated (either with insecticides or Bt seed), how much yield loss do you think corn root worms would most likely cause on the selected field?.....
32. If untreated (either with herbicides, tillage, or cultivation), how much yield loss do you think weeds would most likely cause on the selected field?.....

2670	2671
2672	2673
2735	2736

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 2026 corn crop. Please...

- begin with the first field operation after harvest of previous crop, including operations for a cover crop established since the previous crop was harvested. If fallow during 2025, list operations starting with fall 2024.
- 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 No.	2 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 column 5 = code 6, skip columns 6 thru 11]					
					6 What was the size or swath of the [machine] used? Code	7 [Record size unit code.] 1 Feet 2 Row 3 Moldboard bottoms Hauling 4 Pounds 5 Bushels 6 Tons Code	8 How many acres were covered? EXCLUDE land forming and hauling operations. Acres	OR	9 How many total hours were spent on land forming and hauling? [Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons, forklifts, etc.] Hours	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 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 item 1?]

4029 ₁ Yes – Continue

₃ No – Go to item 3

2. Were any of the machines or equipment reported in columns 3 or 4 of item 1 purchased new during 2026?.....

	Code
Yes = 1	4030
No = 3	

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

1	2	3
Machines Purchased New in 2026	[Record machine code from respondent booklet.] Code	Dealer's List Price of the Machine. (This should be the "sticker price," not including discounts or trade-in values for used machinery.) Dollars
4031	4032	4033
4034	4035	4036
4037	4038	4039
4040	4041	4042
4043	4044	4045

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 2026 corn 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?.....

Yes=1 No=3	Code
	1116

[If item 5 = 1, ask--]

- a. What was the average cost per acre for this contract labor? INCLUDE operator, landlord, and contractor costs.....

Dollars & Cents per Acre
1117 . ____

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.....

Percent
1120

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 2026 corn crop.

1 Custom Service	2
Which of the following services were performed for the 2026 corn crop on the selected field?	Including operator, landlord, and contractor costs, how much was spent for [column 1] on the selected field for the 2026 corn crop?
[Check box for each service performed; refer to item 1 if necessary.]	Dollars & Cents per Acre
<input type="checkbox"/> a. Custom land preparation, shaping and/or leveling?	1121 _____
<input type="checkbox"/> b. 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? (_____ x _____ ÷ _____ = _____ (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1126 _____
<input type="checkbox"/> f. Custom harvesting and hauling from field to storage or point of first sale? (_____ x _____ ÷ _____ = _____ (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1127 _____
<input type="checkbox"/> g. Custom raking, baling, and hauling the straw from the selected field? (_____ x _____ ÷ _____ = _____ (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre)	1128 _____

9. Was the corn harvested and hauled from the selected field dried or will it be dried before being sold or stored?.....

	Code
Yes=1 No=3	1195
Yes=1 No=3	1196

10. Did you hire or receive any technical or consultant services to make recommendations such as for nutrient, pest control, irrigation, or precision farming for the selected field?.....

[If item 9 = 1, continue; otherwise go to item 13.]

11. Which of the following technical or consultant services did you obtain to make recommendations for the selected field?

- a. Nutrient recommendations/management service?.....
- b. Soil or tissue sample collection?.....
- c. Pest control recommendations/management service?.....
- d. Pest scouting?.....
- e. Irrigation management service (i.e. irrigation scheduling)?.....
- f. Yield map or remote sensing map development/interpretation?.....
- g. Other custom or technical service? [Specify: _____].....

	Code
Yes=1 No=3	1129
Yes=1 No=3	1130
Yes=1 No=3	1131
Yes=1 No=3	1132
Yes=1 No=3	1133
Yes=1 No=3	1134
Yes=1 No=3	1135

[If any of items 10a-g = 1, continue. Otherwise go to item 12.]

12. Were any of the technical or consultant services listed in item 10a-g provided to you at no cost or were partially reimbursed by the Natural Resources Conservation Service?.....

Code
 Yes=1 4046
 No=3

[If item 11 = 1, continue. Otherwise, go to item 13.]

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

Dollars & Cents per Acre Total Dollars
 1136 OR 1137

14. Please report the precision agriculture technologies you used on the selected field in 2026 to produce this crop.

1 Precision Agriculture Tool	2 Was this tool used on the selected field? Yes = 1 No = 3	[If column 2 = code 3, skip columns 3 thru 5]		
		3 Are data from this tool used to create a map? Yes = 1 No = 3	4 What is the replacement cost for this tool? Total Dollars	5 What is the annual fee for using this tool? ^{1/} Total Dollars
a. Yield monitor	2461	2463	2570	2571
b. Soil tests on core sample (performed on-farm or sent out to a laboratory)	2464	2466	2572	2573
c. Soil sensor tests	2467	2469	2574	2575
d. Hard-wired crop condition sensors	2470	2472	2576	2577
e. Wireless crop condition sensors	2473	2475	2578	2579
f. Aircraft or satellites	2455	2447	2448	2449
g. Drones or Unmanned Aerial Vehicles (UAV)	2476	2478	2580	2581
h. Unmanned crop robots (e.g., Greenfield Botony™)	xxxx	xxxx	xxxx	xxxx
i. Targeted herbicide sprayers (e.g., John Deere See & Spray™)	xxxx	xxxx	xxxx	xxxx

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

[If item 13a column 2 = 1, continue. Otherwise go to item 15.]

15. Did you use the yield monitor information to--

Code

a. add/improve tile drainage?.....
 Yes=1 1141
 No=3

b. negotiate new crop leases?.....
 Yes=1 1144
 No=3

c. help determine chemical input use?.....
 Yes=1 1143
 No=3

[If any of items 13a-i column 2 = 1, continue; otherwise go to item 18]

16. Using data collected from the previous tools table in item 13, did you obtain crop management recommendations, such as data interpretation, in 2026 for the selected field?.....

Code
 Yes=1 xxxx
 No=3

[If item 15 = 1, ask--]

a. What was the cost for these services? INCLUDE operator, landlord and contractor costs. EXCLUDE costs for any of this equipment if it was previously reported as part of the costs of materials and/or application.....

Dollars & Cents per Acre Total Dollars
 3150 OR 3151

[If item 13g column 2 = 1, ask--]

17. 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	

[If item 13h column 2 = 1, ask--]

18. In the selected field, did you use crop robots (e.g. Greenfield Botony™, Carbon Robotics LaserWeeder) for any of the following purposes?

		Code
a. Scouting for pests?.....	Yes=1	xxxx
	No=3	
b. Soil sampling?.....	Yes=1	xxxx
	No=3	
c. Spraying pesticides?.....	Yes=1	xxxx
	No=3	
d. Mechanical weeding?.....	Yes=1	xxxx
	No=3	
e. Laser weeding?.....	Yes=1	xxxx
	No=3	

19. Was any of the following GPS-enabled (Global Positioning System) equipment used to produce corn on the selected field in 2026?

		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	
d. RTK (real-time kinematic) satellite correction for improved GPS accuracy?.....	Yes=1	xxxx
	No=3	

[If any of items 18a-c = 1, continue. Otherwise go to item 20.]

20. 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
- annual GPS subscription fee
- operator, landlord, and contractor costs.

EXCLUDE

- costs for any of this equipment if it was previously reported as part of the costs of materials and/or application
- guidance auto-steering costs.....

Dollars & Cents per Acre	OR	Total Dollars
2166		2167

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

Yes=1
No=3

Code
2148

[If item 20 = 1, ask--]

a. Was the automated guidance system.....

1 New, owned?
2 Used, owned?
3 Leased?

Code
2158

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

Year
2159

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

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

Dollars & Cents per Acre
2160
2162

OR

Total Dollars
2161
2163

e. Was a fully autonomous tractor (e.g., John Deere 8R/9R model) used on the selected field?.....

Yes=1
No=3

Code
xxxx

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

Yes=1
No=3

Code
2164

[If item 21 = 1 continue; otherwise go to item 22.]

Please report the variable rate applicator types you used on the selected field to produce the corn in 2026. If a particular row's variable rate applicator was not used, leave that row blank.

1	2	4	5	6
Was a variable rate applicator used on the selected field for--	Tool Used	Was this applicator-- 1 New, owned 2 Used, owned 3 Leased	What year was the applicator first used?	What was the premium paid for the applicator?
	Yes=1 No=3	Code	Year	Total Dollars
a. seeding?	1158	2171	2172	2173
b. fertilizer/lime applications?	1152	2175	2176	2177
c. pesticide applications?	1159	2179	2180	2181
d. irrigation applications?	1197	2183	2184	2185

23. Did you use conversational artificial intelligence, such as chatbots (e.g., ChatGPT, Google Gemini, Microsoft Copilot™), to help make management decisions for this corn field in 2026?.....

Yes=1
No=3

Code
xxxx

24. Do you or does your operation own a drone/UAV? INCLUDE any drone used on any part of the farm business or for non-farm personal use.....

Yes=1
No=3

Code
xxxx

Acres

1160	_____
------	-------

1. How many acres in the selected field were irrigated for the 2026 corn crop?.....

[If none, go to Conclusion]

2. Now I have some questions about the irrigation system and water that covers the most acres on the selected field for the 2026 corn crop.

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

a. What type of irrigation system was used to irrigate the selected field?
[Show System Type Codes in the Respondent Booklet. Enter System Type Code for system that applied the most water.].....

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 and applied by any irrigation system.....

[If operator cannot provide item 2b, ask items 2bi and 2bii. 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 corn 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 corn growing season using any 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 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 2026 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.]

	Dollars & Cents per Acre	OR	Total Dollars
a. What was the total cost for the water purchased for the selected field during the 2026 growing season? INCLUDE operator, landlord, and contractor costs and ditch maintenance costs for the selected field.....	1193		1194
	. _ _		

[If siphon tubes were used, item 2a = 10 or 11, ask--]

	Total Dollars
5. What would be the total cost to replace all the siphon tubes used on the selected field?.....	1201

[If poly pipe system was used, item 2a = 14, ask--]

	Total Dollars
6. What was the total amount spent for poly pipe used on the selected field during the 2026 growing season? INCLUDE operator, landlord, and contractor costs.....	1202

[If gated pipe system was used, item 2a = 15 or 16, ask--]

	Inches
7. What was the average diameter of gated pipe used to irrigate the selected field?.....	1203

	Feet
a. What was the total length of gated pipe used?.....	1204

	Code
8. Were wells used to supply irrigation water for the selected field?.....	1205

	Yes=1 No=3	1205
--	---------------	------

[If item 8 = 1 continue. Otherwise go to item 9.]

	Number
a. How many wells were used to irrigate the selected field?.....	1206

	Inches
b. What was the average diameter of the outer well casing?.....	1207

	Feet
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.....	1208

	Code
d. Were other fields irrigated using water pumped from wells that supplied water to the selected field?.....	1210

	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 2026 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 2026 growing season?.....	2211

	Yes=1 No=3	2211
--	---------------	------

[If item 9 = 1 continue; otherwise go to Conclusion.]

	Inches
a. What was the average diameter in inches of the most common type of this additional pipe used?....	1212

	Feet
b. How many feet of this additional pipe were used to bring water to the selected field?.....	1213

CONCLUSION

Location of Selected Field

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

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

County Name	Office Use State County FIPS Code
	0010 _ _ _ _ _

a. Field location.....

LATITUDE
9854 _ _ . _ _ _ _ _ <i>decimal</i>

LONGITUDE
9855 _ _ . _ _ _ _ _ <i>decimal</i>

[Enumerator Action: Use the iPad app to find the coordinates for the center of the selected field. Confirm with the operator using 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 2027 to collect it. I will call you then to set up a time that is good for you.

2. Ending time.....

Office Use Only				
Ending Time (Military)		OR	Total Time	
Hours	Minutes		Hours	Minutes
0005		0008		

Records Used

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

	Code		Code		Code
[fertilizer data].....	Yes=1 No=3	0011	[pesticide data].....	Yes=1 No=3	0012
			[majority of this expense data?].....	Yes=1 No=3	0013

Supplements Used

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

	Number		Number		Number
Fertilizer Supplement.....		0041	Pesticide Supplement.....		0042
			Field Operations.....		0043

Contact Information

Operator Email:		Operator Phone:	
9929	Check to receive results by email <input type="checkbox"/>	9918 () _____	Check if cell phone <input type="checkbox"/>
Operation Email: (if different from above)		Operation Phone: (if different from above)	
9937	Check to receive results by email <input type="checkbox"/>	9936 () _____	Check if cell phone <input type="checkbox"/>
Respondent Name:		Respondent Phone (if different from above)	
9912	9911 () _____	Check if cell phone <input type="checkbox"/>	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	

								9900	9985