



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

**AGRICULTURAL RESOURCE MANAGEMENT SURVEY
CORN PRODUCTION PRACTICES AND
COSTS REPORT**

Form Approved
OMB Number 0535-0218
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Project code 906
Phase II

DRAFT for 2015

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ECONOMIC RESEARCH SERVICE

VERSION	ID	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
2	-----	01	----	0	000	00

CONTACT RECORD

DATE	TIME	NOTES

INTRODUCTION:

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

We are collecting information on costs and returns and need your help to make the information as accurate as possible. Authority for collection of information on the Costs and Returns Report is Title 7, Section 2204 of the U.S. Code. Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept confidential and used only for statistical purposes. Response is voluntary. You may skip any question(s) you prefer not to answer.

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 control number for this information collection 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.

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

H H M M

**BEGINNING
TIME**

0004

[MILITARY]

SCREENING BOX

0006

[ENUMERATOR NOTE: If screening box is code 1, complete the screening Supplement. If Screening box is not coded, begin with Section A.]

0014	CEAP Match	0016	CEAP ID

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

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

1. How many acres of corn did this operation plant for the 2015 crop year?

TOTAL PLANTED ACRES

0050

▶ [If no acres planted, review Screening Survey Information Form. Make notes, then go to item 4 on back page.....]

2. I will follow a simple procedure to make a random selection from the corn fields planted for the 2015 crop.

TOTAL NUMBER OF FIELDS PLANTED

0020

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

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

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

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

FIELD NAME, NUMBER OR DESCRIPTION

FIELD NAME, NUMBER OR DESCRIPTION

- 1
2
3
4
5
6
7
8
9

- 10
11
12
13
14
15
16
17
18

APPLY "RANDOM NUMBER" LABEL HERE

4. **[ENUMERATOR ACTION:**

*Circle the pair of numbers on the above label associated with the last numbered field in item 3.
Select the field according to the number you circled on the label, and record the selected number.
If only 1 field, enter 1].*

**SELECTED FIELD
NUMBER**

0021

5. **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.]

**OFFICE USE
OY Field Substituted**

0022

1. How many acres of corn did this operation plant in this field for the 2015 crop?..... 1301 **ACRES**

a. Are the acres in this field **CERTIFIED ORGANIC**?..... YES = 1 1311 **CODE**

2. Were the acres in this 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?
 1302 **CODE**

3. [If field is CASH RENTED (item 2 = 2, 3 or 5), ask--]
 What was the cash rent paid per acre for this 2015 corn field?..... 1303 **DOLLARS & CENTS PER ACRE**

4. [If field is SHARE RENTED (item 2 = 4 or 5), ask--]
 What was the landlord's share of the crop from this field?..... 1304 **PERCENT**

5. [If field is RENTED (item 2 = 2, 3, 4, or 5), ask--]
 What was the total cost for all inputs provided by any landlord and contractor for the 2015 crop?..... 1305 **DOLLARS & CENTS PER ACRE** OR 1306 **TOTAL DOLLARS**
(Include the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation. Exclude real estate tax expenses, drying, and lime costs paid by the landowner.)

6. What year did you (the operator listed on the label) start operating this field?..... 1307 **YEAR**

7. On what date was this field planted?..... 1308 **MM DD YY**

8. What was the average corn row width?..... 1312 **INCHES**

9. What was the seeding rate per acre the first time this field was planted?..... 1313 **UNITS** 1314 **UNIT CODES for Seeding Rate**
 1=Pounds/Acre
 2=CWT/Acre
 4=Bushels/Acre
 25=Kernels-Seeds/Acre
 38=Kernels-Seeds/Foot

10. How many acres in this field had to be replanted to corn?..... 1315 **ACRES**
(Number of acres times the number of times replanted.)

UNIT CODE
 1=Pounds
 2=Cwt
 4=Bushel
 22=Acre
 23=Approx. 80,000
 Kernel Bag

**DOLLARS & CENTS
 PER UNIT**

13. **What was the total cost per unit (including both your and the landlord's and contractor's share) of purchased seed for this field?**
 (Include cost of seed treatment and any seed technology fee.)

1319	1320
------	------

SEED TYPE - CORN

- | | |
|---|---|
| 1 Genetically-modified herbicide resistant seed variety (e.g. LibertyLink; Roundup Ready) | 6 Stacked gene variety with both genetically-modified Bt-ECB and herbicide resistant (e.g. YieldGard + Roundup Ready) |
| 2 Non-genetically-modified herbicide resistant seed variety (e.g. IMI-corn) | 7 Stacked gene variety with both genetically-modified Bt-CRW and herbicide resistant (e.g. YieldGard Rootworm + Roundup Ready) |
| 3 Genetically-modified Bt variety for insect resistance to control European Corn Borer (Bt-ECB) (e.g. YieldGard, NatureGard, Knockout) | 8 Triple stacked gene variety with genetically-modified Bt-ECB and Bt-CRW plus herbicide resistant (e.g. YieldGard Plus + Roundup Ready) |
| 4 Genetically-modified Bt variety for insect resistance to control the corn rootworm (Bt-CRW) (e.g. YieldGard Rootworm) | 9 None of the above |
| 5 Stacked gene variety with both genetically-modified Bt-ECB and Bt-CRW (e.g. YieldGard Plus) | |

14. **Which type of corn seed was used on the majority of this field--**
 (Show Seed Type Code List from Respondent Booklet and choose one code)

- a. in 2015.....
- b. in 2014 [Leave blank if corn was not on this field in 2014.].....

CODE

1321
1322

15. **Did you purchase seed treated with an insecticide?**
 (e.g., Poncho, Gaucho or Cruiser seed treatment)
 Exclude seed treated with fungicides.

CODE

1323

YES = 1

16. [If 14a = 1, 2 or 9, ask--]
Which of the following reasons influenced you the most in deciding not to plant Bt corn in 2015 on this field--

- Did not expect to have enough corn borers and/or corn rootworms to justify the cost of Bt corn.
- Concerned about finding a market for Bt corn.
- This field was used as refuge in 2015.
- Concerned about the environmental impact of Bt corn.
- Not aware of Bt Seed.
- Other, Specify _____

CODE

1324

17. [If item 14a does NOT equal 9, ask--]
Resistant seed varieties offer several benefits.

Did you choose the resistant seed variety used on this field primarily to--

- Increase yields through improved pest (weed or insect) control?
- Decrease pesticide input costs?
- Decrease machinery costs?
- Improve ability to use or ease of using reduced tillage or no-till system?
- Improve ability to use or ease of rotating crops?
- Save management time or labor or improve ease of management?
- Adopt more environmentally friendly practices?
- For some other reason(s)? [Specify _____]

CODE

1325

PERCENT

18. What percentage of the field was used as refuge for the corn borer and/or corn rootworm in order to comply with Bt corn insect resistance management guidelines?.....

1326

CODE

19. Was the corn on this field planted with the intention of being harvested as---.....

1 GRAIN
2 SILAGE
4 SEED
25 OTHER

1327

CODE

20. Has harvest of this field been completed?..... YES = 1

1328

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

How many acres in the corn field were (will be)--	ACRES	1	2
		What yield per acre did you get (do you expect to get) for—	UNIT CODES 1= POUNDS 2= CWT 3= TONS 4= BUSHELS
		UNITS PER ACRE	UNIT CODES
a. harvested for grain?.....	1329 _____	1330 _____	1331
b. harvested for hay, silage, or green chop?.....	1332 _____	1333 _____	TONS
c. harvested for commercial seed contract?.....	1335 _____	1336 _____	1337
d. abandoned?.....	1338 _____		
e. used for some other purpose?.....	1339 _____		

**CROP CODE LIST for item 25
PREVIOUSLY PLANTED CROP was---**

1 Alfalfa hay	196 Tobacco, flue cured	16 Peanuts	26 Soybeans
11 Hay, all other	193 Tobacco, burley	17 Dry Peas	28 Sugarbeets
190 Barley	281 Cotton, Upland	20 Potatoes	30 Sunflowers
3 Dry Beans	282 Cotton, Pima	21 Rice	142 Vegetables
85 Canola	302 CRP	22 Rye	163 Wheat, durum
310 Clover	311 Grasses other than clover	98 Safflower	164 Wheat, other spring
6 Corn for grain	94 Mustard Seed	25 Sorghum for grain	165 Wheat, winter
5 Corn for silage	15 Oats	24 Sorghum for silage	318 No crop planted during this period
	31 Sweet Potatoes		

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

What crop was PLANTED on this field in---		
	CROP NAME	CROP CODE
a. FALL of 2014?		1352
b. SPRING/SUMMER of 2014?		1353
c. FALL of 2013		1354
d. SPRING/SUMMER of 2013?		1355
e. FALL of 2012?		1356
f. SPRING/SUMMER of 2012?		1357

26. In 2015, did your land-use practices for this field include---		CODE
a. terraces?.....	YES = 1	1358
b. temporary or permanent levees?.....	YES = 1	1359
c. grassed waterways?.....	YES = 1	1360
d. filter strips or riparian buffers on or adjoining the field?.....	YES = 1	1361
e. contour farming?.....	YES = 1	1362
f. strip cropping?.....	YES = 1	1363
g. underground outlets such as tile drainage?.....	YES = 1	1364
h. other drainage channels or diversions?.....	YES = 1	1365

		CODE
27. Has the Natural Resource Conservation Service (NRCS) classified any part of this field as "Highly Erodible"?	YES = 1	1366
28. Have you been notified by NRCS that this field contains a wetland?	YES = 1	1367
29. In 2015, did you receive technical assistance for planning, installing, maintaining, or using conservation practices or systems on this field? <i>(Include grassed waterways and filter strips or riparian buffers on or adjoining this field. Include assistance from any source whether paid for or free.)</i>	YES = 1	1368
30. During all or part of 2015, was this field enrolled in any public programs for which you or the landlord received (or will receive) cost-sharing payments, stewardship payments, or incentive payments for conservation practices on this field. [Be sure to consider grassed waterways and filter strips or riparian buffers on or adjoining this field]?	YES = 1	1369
[If item 30 is YES, ask--]		
a. Was this field enrolled in the Conservation Security Program(CSP) in 2015?.....	YES = 1	1370
b. Was this field enrolled in the Environmental Quality Incentives Program (EQIP) in 2015?.....	YES = 1	1371

31. During 2015, did any written plan of the following types cover this field and if so, in what year was the plan implemented? <i>(A "written plan" is a plan prepared in accordance with Federal, State, or district standards.)</i>	CODE	YEAR IMPLEMENTED
a. Conservation plan specifying practices to reduce soil erosion?..... YES = 1	1372	1373
b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure?..... YES = 1	1374	1375
c. Nutrient management plan specifying practices for land application of manure only?..... YES = 1	1376	1377
d. Pest management plan specifying pesticide use and/or other practices controlling weeds, insects, or plant disease?..... YES = 1	1378	1379
e. Irrigation water management plan specifying practices for applying or conserving irrigation water?..... YES = 1	1380	1381

[If items 31a, b, c, d, or e = YES, ask--]

32. During 2015, did you pay any technical service provider or consultant to develop or write any of these plans which included this field?..... YES = 1

CODE
1382

a. [If YES, ask--]

What was the cost for developing these plans for this field?

(Include landlord's/contractor's share.

Exclude cost of construction or materials.).....

DOLLARS & CENTS
PER ACRE

1383

OR

TOTAL DOLLARS

1384

33. Was the corn on this field covered by Federal Crop Insurance in 2015?

YES – [Enter code 1 and continue.]

NO – [Go to item 34.]..... YES = 1

CODE
1385

a. Which coverage did you obtain?.....

- | | |
|---|---|
| 1 | Basic catastrophic insurance (<i>Federal CAT</i>) |
| 2 | Buy-up above basic federal CAT level |
| 3 | Revenue insurance |
| 4 | Other Federal Crop insurance |

CODE
1386

34. Was the corn on this field covered by private crop insurance?

(Hail, wind, freeze, etc.)..... YES = 1

CODE
1387

1. Were commercial FERTILIZERS applied to this field for the 2015 corn crop?..... YES = 1

CODE	EDIT TABLE
0202	0201

2. [If COMMERCIAL fertilizer applied, continue, else go to item 5.]

3. How many commercial fertilizer applications were made to this field for the 2015 crop? (Include applications made by airplanes and custom applicators).....

NUMBER
0203

4. Now I need to record information for each application

CHECKLIST	
INCLUDE	EXCLUDE
<input type="checkbox"/> Custom applied fertilizers	<input type="checkbox"/> Micronutrients
<input type="checkbox"/> Fertilizers applied in the fall of 2014 and those applied earlier if this field was fallow in 2014.	<input type="checkbox"/> Unprocessed manure
<input type="checkbox"/> Commercially prepared manure	<input type="checkbox"/> Fertilizer applied to previous crops in this field
	<input type="checkbox"/> Lime and Gypsum/landplaster

T-TYPE	TABLE
2	001
Line 99	Office Use Lines in Table
	0213

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/Sidedressed 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 Fertilizers in Respondent Booklet.]				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 were treated in this application? ACRES
	N Nitrogen	P ₂ O ₅ Phosphate	K ₂ O Potash	S Sulfur					
01	0205	0206	0207	0214	0208	0209	0210	0211	0212
02	0205	0206	0207	0214	0208	0209	0210	0211	0212
03	0205	0206	0207	0214	0208	0209	0210	0211	0212
04	0205	0206	0207	0214	0208	0209	0210	0211	0212
05	0205	0206	0207	0214	0208	0209	0210	0211	0212
06	0205	0206	0207	0214	0208	0209	0210	0211	0212
07	0205	0206	0207	0214	0208	0209	0210	0211	0212
08	0205	0206	0207	0214	0208	0209	0210	0211	0212

T - TYPE	TABLE	LINE
0	000	00

5. Was gypsum applied to this field for the 2015 corn crop?..... YES = 1 CODE
0218

6. Were any fertilizers applied by custom applicators?
 YES - [Continue.] NO - [Go to item 7.]

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

YES - [Continue.] NO - [Go to item 7.]

OFFICE USE

0215

b. Excluding the cost of the fertilizer materials, how much was spent for custom application of fertilizers on this field?

(Include landlord and contractor costs. Exclude custom application of lime, gypsum, & purchased manure.)
[If material and application costs can't be separated, exclude them here and record the total in item 7.]

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
0219		0220

7. What was the TOTAL COST of all fertilizer products applied to this field?.....

(Include landlord and contractor costs. Include costs for sulfur and micronutrients. Exclude lime, gypsum, & purchased manure.)
[If custom applied, include the cost of materials ONLY, unless materials and application costs cannot be separated. Include materials applied to this field if it was fallow in 2014.]

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
0221		0222

[If planted with the intention of harvesting for grain (item B19 = 1), ask---]

8. What was your yield goal at planting for this field?..... BUSHEL PER ACRE
0223

9. Was a soil or plant tissue test performed on this corn field in 2014 or 2015 for the 2015 crop?

YES [Continue.] NO [Go to item 14.]

10. Was a soil test for phosphorus performed on this corn field in 2014 or 2015 for the 2015 crop?..... YES = 1 CODE
0225

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

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

POUNDS PER ACRE
0226

11. Was a soil test for nitrogen performed on this corn field in 2014 or 2015 for the 2015 crop?..... YES = 1 CODE
0227

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

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

POUNDS PER ACRE
0228

12. Was a plant tissue test for nutrient deficiency performed on this field in 2014 or 2015 for the 2015 corn crop?..... YES = 1

CODE
0229

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

	DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
	0230		0231

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

- | | |
|---|--|
| 1 | Soil/plant tissue test provided free of charge by dealer, crop consultant, or extension service. |
| 2 | Soil/plant tissue test costs were included in the total fertilizer costs reported in item 7. |
| 3 | Some other reason. |

CODE
0232

14. [Enumerator Action: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete items 15 and 16. If NO nitrogen applied, go to item 17.]

15. Was the amount of nitrogen you decided to apply to this field based on---
[Enter code "1" for all that apply.]

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

16. Did you use any product to slow the breakdown of nitrogen on this field?
(For example a nitrification inhibitor such as N-Serve or a urease inhibitor such as Agrotain).

CODE
0241

17. Is lime ever applied to this field?.....

CODE
0242

a. [If no lime applied, go to item 18---else continue.]

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

YEARS
0243

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

TONS PER ACRE
0244

c. [If rented, (item B2 =2, 3, 4, or 5) ask---]

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

PERCENT
0245

18. Was manure or other organic material (e.g. biosolids) applied to this field for the 2015 corn crop? (Exclude commercially prepared manure.)

YES - [Enter code 1 and continue.]

NO - [Go to Section D.]

CODE

0246

ACRES

0247

a. How many acres was manure applied to?

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

1 TONS		CODE	UNITS PER ACRE	TOTAL UNITS
2 GALLONS		0248	0249	0250
3 BUSHELS		AND	OR	0250

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

MILES

0251

d. What was the capacity of the manure spreader used to apply manure to this field?

1 TONS		CODE	TOTAL UNITS
2 GALLONS		0252	0253
3 BUSHELS		AND	0253

e. What was the percent of manure applied---

(i) in the fall before planting?

PERCENT

+	0254
---	------

(ii) in the spring before planting?

+	0255
---	------

(iii) after planting?

+	0256
---	------

100%

f. Was the manure---

1 Lagoon liquid?				
2 Slurry liquid?				
3 Semi – dry or dry?				CODE
				0257

g. Was the manure----

1 Broadcast or sprayed <i>without</i> incorporation?				
2 Broadcast or sprayed <i>with</i> incorporation?				
3 Injected/knifed in?				CODE
4 Sprayed using irrigation systems?				0258

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

1 Beef cattle?				
2 Dairy cattle?				
3 Hogs?				CODE
4 Sheep?				0259
5 Poultry?				
6 Equine?				
7 Biosolids (municipal sludge, food waste, etc.)?				
8 Other (Specify) _____?				

i. Was the manure---

1 Produced on this operation?				
2 Purchased (including any payment for transportation or application)?				
3 Obtained at no cost off this operation?				CODE
4 Obtained with compensation?				0260

CODE

j. Was any manure applied to this field tested for nutrient content prior to application?..... YES = 1

0261

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

0262

[If YES, ask---]

PERCENT

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

0263

CODE

19. Were the manure APPLICATION RATES to this field influenced by Federal, State, or local restrictions?..... YES = 1

0264

a. [If item 19 is YES, ask---] What basis was used to determine these manure application rate restrictions--

(i) Nitrogen requirement of the crop?..... YES = 1

0265

(ii) Phosphorus requirement of the crop?..... YES = 1

0266

NOTES

Now I have some questions about all the pesticides used on this field for the 2015 corn crop including both custom applications and applications made by this operation.

1. Were any herbicides, insecticides, fungicides or other chemicals used on the corn field for the 2015 crop? YES = 1

Table with columns CODE and EDIT TABLE. CODE: 0302, EDIT TABLE: 0301

[Probe for applications made in the fall of 2014 (and those made earlier if this field was fallow).] [If no pesticides applied, go to Section E.]

Include defoliant, fungicides, herbicides, insecticides, and pesticides. Include biological and botanical pesticides. Exclude fertilizers reported earlier and seed treatments.

Table with columns T - TYPE and TABLE. T - TYPE: 3, TABLE: 001. LINE 99 OFFICE USE LINE IN TABLE 0319

Main data table with columns: CHEMICAL PRODUCT NAME, LINE, 2 (What products were applied to this field?), 3 (Was this product bought in liquid or dry form?), 4 (Was this part of a tank mix?), 5 (When was this applied?), 6 (How much was applied per acre per application?), 7 (What was the total amount applied per application in this field?), 8 (Enter unit code.).

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

Table with columns: 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 Chisel/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	

[ENUMERATOR NOTE:
 Use these columns only if
TOTAL COST
 (item 4 on next page)
 cannot be provided.]



[If column 9 = 9, then column 6 and column 10 must be blank]

LINE	9	10	11	12	OPTIONAL ITEM 4		
	How was this product applied? <i>[Enter code from above.]</i>	How many acres in this 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 and CENTS PER UNIT	UNIT CODE	
01	0311	0312	0313	0316	0317	0318	15 Liquid Ounces
02	0311	0312	0313	0316	0317	0318	28 Dry Ounces
03	0311	0312	0313	0316	0317	0318	30 Grams
04	0311	0312	0313	0316	0317	0318	
05	0311	0312	0313	0316	0317	0318	
06	0311	0312	0313	0316	0317	0318	
07	0311	0312	0313	0316	0317	0318	
08	0311	0312	0313	0316	0317	0318	
09	0311	0312	0313	0316	0317	0318	
10	0311	0312	0313	0316	0317	0318	
11	0311	0312	0313	0316	0317	0318	
12	0311	0312	0313	0316	0317	0318	
13	0311	0312	0313	0316	0317	0318	
14	0311	0312	0313	0316	0317	0318	

T-TYPE	TABLE	LINE
0	000	00

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

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

OFFICE USE

a. Are you able to report the cost of chemical product and custom application separately?

0324

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

b. Excluding the cost of the chemical product, how much was spent for custom application of chemicals and pesticides on this field?

(Include operator and landlord cost.)

DOLLAR & CENTS PER ACRE	OR	TOTAL DOLLARS
0331 _____		0332

4. **What was the TOTAL COST of all chemical products applied to this field?**

Include operator and landlord cost, defoliant, herbicides, insecticides, fungicides, surfactants, wetting agents, growth regulators, and materials applied before planting and during 2014 fallow period. **Exclude** seed treatments

DOLLAR & CENTS PER ACRE	OR	TOTAL DOLLARS
0334 _____		0335

NOTE 1: If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Pesticide Table, item D1.

NOTE 2: For custom applications. If respondent cannot report cost of chemical product separately from application costs, report both in item 4.

E PEST MANAGEMENT PRACTICES---SELECTED FIELD

E

Now I have some questions about your pest management decisions and practices used on this field for the 2015 corn crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

T-TYPE	TABLE	LINE
0	000	00

1. [Enumerator Action: Were PESTICIDE APPLICATIONS reported in Section D?]

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

2. Was weather data used to assist in determining either the need or timing of pesticide applications? YES = 1
3. Were any biological pesticides such as Bt (*Bacillus thuringiensis*), insect growth regulators, neem or other natural/biological based products sprayed or applied to manage pests in this field? YES = 1
4. 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

CODE
0800
0801
0802

5. [Enumeration Action: Were HERBICIDES used (pesticide product codes 4000-4999), Section D, item 1, column 2?]

- YES - [Continue.] NO - [Go to item 8.]

6. Were herbicides applied to this corn field BEFORE weeds emerged? [If item 6 = YES, ask---] YES = 1

CODE
0803

- a. Were the herbicides applied BEFORE weeds emerged on this corn field based primarily on---

1	routine treatments of what weeds are usually present?
OR	
2	weed scouting from the previous year?

CODE
0804

7. Were herbicides applied to this corn field AFTER weeds emerged? [If item 7 = YES, ask---] YES = 1

CODE
0805

- a. Were the herbicides applied AFTER weeds emerged on this corn field based primarily on---

1	routine treatments of what weeds are usually present?
OR	
2	weed scouting from the current year?

CODE
0806

8. [Enumeration Action: Were INSECTICIDES used (pesticide product codes 1000 – 1999), in Section D, item 1, column 2?]

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

9. Were the insecticides applied to this corn field based primarily on---

1	routine treatments of what insects are usually present?
OR	
2	scouting for insect infestation?

CODE
0807

10. In 2015, how was this field primarily scouted for insects, weeds, diseases, and/or beneficial organisms---

1	By conducting general observations while performing routine tasks? [Enter code 1 and go to item 13.]	0808
2	By deliberately going to the field specifically for scouting activities? [Enter code 2 and go to item 11.]	
3	This field was not scouted. [Enter code 3 and go to item 19.]	

11. Was an established scouting process used (systematic sampling, recording counts, etc.) or were insect traps used in this field? YES = 1

CODE 0809

12. Was scouting for pests done in this field due to---

a. a pest advisory warning? YES = 1

b. a pest development model? YES = 1

CODE 0810

CODE 0811

1	2	3
	[If YES, ask---] Was the infestation level for [column 1]—	[If column 1 = YES, ask---] Who did the majority of the scouting for [column 1]---
	1 Worse than normal 2 Normal 3 Less than normal CODE	1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout CODE
13. Was this corn field scouted for--	YES = 1	
a. weeds?.....	0812	0813
b. insects or mites?.....		
(i) Corn Borer?.....	0818	0819
(ii) Corn Rootworm?.....	0821	0822
(iii) Other Insects?.....	0824	0825
c. diseases?.....	0827	0828
		0814
		0814
		0814
		0814
		0814
		0814
		0814
		0814

14. [If item 13, column 3 = 3 or 4), ask--- else go to item 15.]

How much did you pay for the scouting services for this field? [Include landlord and contractor cost.]

DOLLARS & CENTS PER ACRE 0830

OR TOTAL DOLLARS 0831

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

OFFICE USE 0333

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

CODE 0832

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

CODE 0833

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

CODE 0834

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

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

		CODE
a. Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field?	YES = 1	0836
b. Plow down crop residues (using conventional tillage)?	YES = 1	0837
c. Remove crop residue?	YES = 1	0838
d. Rotate crops in this field during the past 3 years?	YES = 1	0839
e. Maintain ground covers, mulches, or other physical barriers?	YES = 1	0840
f. Choose crop variety because of specific resistance to certain pest?	YES = 1	0841
g. Use no-till or minimum till?	YES = 1	0842
h. Plan planting locations to avoid cross infestation of pests?	YES = 1	0843
i. Adjust planting or harvesting dates?	YES = 1	0844
j. Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fences lines?	YES = 1	0845
k. Clean equipment and field implements after completing field work to reduce the spread of pests?	YES = 1	0846
l. Adjust row spacing, plant density or row directions?	YES = 1	0847

20. Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage for pests or toxic producing fungi and bacteria (i.e. aflatoxin)?	YES = 1	0851
--	---------	------

21. Was protection of beneficial organisms a factor in your pest control decisions for this field?	YES = 1	0852
--	---------	------

22. Did you cultivate this field for weed control?	YES = 1	0853
--	---------	------

[If yes, ask---]

		NUMBER
a. How many times?		0854

UNIT CODES

- 1= POUNDS
- 2= CWT
- 3= TONS
- 4= BUSHEL

	UNITS PER ACRE	
23. If untreated (either with insecticides or Bt seed), how much yield loss (e.g. bushels per acre) do you think the CORN BORERS would most likely cause on this field?	0855	0856

24. If untreated (either with insecticides or Bt seed), how much yield loss (e.g. bushels per acre) do you think the CORN ROOTWORMS would most likely cause on this field?	0857	0858
--	------	------

PEST MANAGEMENT INFORMATION

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

Which outside sources of information on pest management practices and products were used for the 2015 corn crop?

(Starting with the most influential in determining the pest management practices used on this operation, enter code(s) for up to 3 sources.)

PEST MANAGEMENT INFORMATION SOURCES CODE LIST

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

[Enter up to 3 source codes.]

FIRST

0859

SECOND

0860

THIRD

0861

CODE

0862

26. **Other than pesticide applicator training, have you (the operator) attended any training session on pest identification and management since October 1, 2014?..... YES = 1**

Completion Code for Pest Management Data	
1- Incomplete/Refusal	0340

NOTES

1. Including custom operations, I need to list field work performed by machines on this field for the 2015 corn crop. Please...

- ▶ Begin with the first field operation after harvest of previous crop, (if fallow during 2014, list operations starting with fall 2013.)
- ▶ 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?---[Skip columns 6-11.]

CHECK LIST
Include all field work using machines for---

Land Forming/Levee Building

Tillage

Preparing for Irrigation

Planting

Fertilizer & Pesticide applications

Harvesting & Hauling to storage or first point of sale

Exclude

Lime & Gypsum/landplaster applications

2 S E Q U E N C E No.	3 What operation or equipment was used?	4 [Record machine code from Respondent Booklet.] CODE	5 Who was the machine operator- [Enter code from above.] CODE	[IF CUSTOM(column 5 = code 6), skip columns 6-11]					
				6 What was the size or swath of the [machine] used?	7 [Record size code.] CODE	8 How many acres were covered? 1/ ACRES	9 Which Power Source was used? 2/ CODE	10 What was the fuel type of the tractor? [Record fuel type only if Power code equals 1-5] CODE	11 What is the model year of the tractor. [Record model year for Power codes 1 -5] YEAR
0351		0352	0353	0354	0355	0356	0357	0358	0359
0361		0362	0363	0364	0365	0366	0367	0368	0369
0371		0372	0373	0374	0375	0376	0377	0378	0379
0381		0382	0383	0384	0385	0386	0387	0388	0389
0391		0392	0393	0394	0395	0396	0397	0398	0399
0401		0402	0403	0404	0405	0406	0407	0408	0409
0411		0412	0413	0414	0415	0416	0417	0418	0419
0421		0422	0423	0424	0425	0426	0427	0428	0429
0431		0432	0433	0434	0435	0436	0437	0438	0439
0441		0442	0443	0444	0445	0446	0447	0448	0449
0451		0452	0453	0454	0455	0456	0457	0458	0459
0461		0462	0463	0464	0465	0466	0467	0468	0469
0471		0472	0473	0474	0475	0476	0477	0478	0479
0481		0482	0483	0484	0485	0486	0487	0488	0489
0491		0492	0493	0494	0495	0496	0497	0498	0499
0501		0502	0503	0504	0505	0506	0507	0508	0509
0511		0512	0513	0514	0515	0516	0517	0518	0519
0521		0522	0523	0524	0525	0526	0527	0528	0529

1/ For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine, rear mounted blade, and hauling operations, enter **TOTAL HOURS**.

2/ If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet. If power source equals 66, 77, or 99, skip columns 10 and 11.

OFFICE USE
0032

2. Was a self-propelled harvester used to harvest the corn field?

YES - [Continue.] NO - [If NO, go to item 3.]

[If item 2 = YES, ask---]

YEAR

a. What is the model year of the self-propelled harvester(s) used to harvest corn from this field? (Report the average year if more than one was used.)

1100

3. I need some information about the additional labor, other than the labor just reported operating machines, that worked on this field.

Please report the paid and unpaid labor that worked on this field to produce the 2015 corn crop.

TYPE OF WORKERS	1 How many hours did (type of worker) spend on this field---	
	a. scouting for weeds and insects?	b. irrigating?
	HOURS	HOURS
You (The Operator)	1102	1103
Partner(s)	1104	1105
Unpaid workers	1106	1107
Paid part-time or seasonal workers (Exclude custom and contract labor)	1108	1109
Paid full-time workers (Exclude custom and contract labor)	1110	1111

4. What was the average hourly wage rate paid to full-time hired workers?

(Exclude custom and contract workers, payroll taxes and benefits.)

DOLLARS & CENTS
PER HOUR
1114

5. What was the average hourly wage rate paid to part-time or seasonal hired workers?

(Exclude custom and contract workers, payroll taxes and benefits.)

DOLLARS & CENTS
PER HOUR
1115

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

CODE
1116

a. If YES, ask – What was the average cost per acre for this contract labor?

(Include landlord and contractor costs.)

DOLLARS & CENTS
PER ACRE
1117

7. What percent of the total hours worked on this field by UNPAID workers was worked by children under 16 years old?

PERCENT
1118

8. Now I need some information on how much was spent for custom services used on this field for the 2015 corn crop.

1	2
CUSTOM SERVICE	Including landlord's/contractor's cost, how much was spent for [column 1] on this field for the 2015 corn crop?
Which of these services were done for the 2015 corn crop on this field?	DOLLARS & CENTS PER ACRE
√ [Check √ box for each service performed; refer to item F1 if necessary.]	
<input type="checkbox"/> a. custom land preparation, shaping and/or leveling?.....	1119 .__ __
<input type="checkbox"/> b. custom cultivating?.....	1120 .__ __
<input type="checkbox"/> c. custom planting and/or reseeding?.....	1121 .__ __
<input type="checkbox"/> d. custom harvesting?.....	1122 .__ __
<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 .__ __

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

YES - [Continue.] NO - [Go to item 11.]

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

10. If YES to any of these services, what was the cost for all of these services?

(Include landlord/contractor cost.

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 costs of materials and/or application.).....

DOLLARS & CENTS PER ACRE

1136	.__ __
------	--------

OR

TOTAL DOLLARS

1137

		CODE
11. Was there (will there be) a yield monitor on the equipment used to harvest this corn field?	YES = 1	1138
[If YES, continue; else go to item 12.]		
a. Was there (will there be) a yield map produced from this harvest using information from the yield monitor?	YES = 1	1139
b. Did you use the yield monitor information to--- [Enter code for all that apply.]		
(i) monitor crop moisture content to determine need for crop drying?	YES = 1	1140
(ii) add/improve tile drainage?	YES = 1	1141
(iii) add/improve irrigation equipment/irrigation water application?	YES = 1	1142
(iv) conduct in-field experiments (e.g., compare fertilizer applications, seed varieties, herbicides, pesticides, etc)?	YES = 1	1143
(v) negotiate new crop leases?	YES = 1	1144
(vi) document yields for crop insurance, real estate tax, or farm program purposes?	YES = 1	1145
(vii) accurately divide crop production among partners and/or for landlord crop shares?	YES = 1	1146
(viii) other uses [specify _____]	YES = 1	1147
		CODE
12. During 2014 or 2015, was a GPS (Global Positioning System) device used to produce a map of the soil properties of this field? (such as nitrate levels, PH, soil type, etc.)	YES = 1	1148
[If item 12 is YES, Ask—]		
a. Was the information collected above based on---	1 soil tests from this field? 2 a machine that measured electrical conductivity of the soil in this field (e.g. Veris machine)? 3 other? Specify _____	CODE 1149
		CODE
13. Did you have an airplane or satellite provide an image or photograph of this field either at the start or during the 2015 growing season?	YES = 1	1151
14. Was a variable rate applicator (i.e., variable rate technology or VRT; include on-the-go systems such as GreenSeeker) used on this field for---		
a. fertilization or liming?	YES = 1	1152
(i) If YES, ask---Did you use a variable rate applicator for--- [Enter code "1" for all that apply.]		
(1) nitrogen applications?	YES = 1	1153
(2) phosphorus applications?	YES = 1	1154
(3) potash applications?	YES = 1	1155
(4) lime applications?	YES = 1	1156
(5) manure applications?	YES = 1	1157
b. seeding?	YES = 1	1158
c. pesticide applications?	YES = 1	1159
15. Was a guidance or auto-steering system (connected to G.P.S.) used with any machine operation on this field (e.g. light bar, assisted steering, automatic steering, etc. – exclude custom operations)?	YES = 1	1212

ACRES

1. How many acres in this field were irrigated for the 2015 corn crop?

[If none, go to Section H.]

1160

2. Now, I have some questions about irrigation systems and water used on this field for the 2015 corn crop.

↓	UNIT	SYSTEM 1	SYSTEM 2
a. What type(s) of irrigation system(s) was used to irrigate this field? [Show System Type Codes in the Respondent Booklet. Enter System Type Code for up to two systems covering the most field acres.]	SYSTEM TYPE CODE	1161	1175
b. What was the total quantity of water applied to this field during the entire growing season? [Include ALL water used from both on-farm and off-farm sources.]	INCHES PER ACRE	1162	1176
	OR TOTAL ACRE-FEET	1163	1177
[If operator cannot provide item 2b, ask (i) & (ii)---; else go to 2c]			
(i) What is the total number of hours this system was used to apply water to this field during the corn growing season?	TOTAL HOURS	1164	1178
(ii) How many gallons per minute were applied?	GALLONS PER MINUTE	1165	1179
c. What percent of the water used to irrigate this field through this system came from surface water sources?	PERCENT	1166	1180
d. What was the number of times this field was irrigated during the corn growing season using this system? [Include any pre-plant irrigation.]	NUMBER OF IRRIGATIONS	1167	1181
e. Was the pump type--- [Enter code for most common pump type.] (If more than one pump in the system, enter type for pump closest to water source.)	CODE	1168	1182
	1 TURBINE? 2 SUBMERSIBLE? 3 CENTRIFUGAL? 4 BOOSTER? 5 SIPHON? 99 NO PUMP? [If code 99, go to item j.]		
f. What was the average pumping rate?	GALLONS PER MINUTE	1169	1183
g. [If item 2a = code 1-9 (PRESSURE SYSTEM), ask---] What was the system operating pressure?	POUNDS PER SQUARE INCH	1170	1184
h. What was the primary motor type used to pump the water?	CODE	1171	1185
	1 DIESEL 2 GASOLINE 3 LP GAS 4 NATURAL GAS 5 ELECTRICITY 6 SOLAR POWER		
i. What was the average motor size?	HORSEPOWER	1172	1186
j. [If NO PUMP was used (item e = 99), ask---] What was the average flow rate?	GALLONS PER MINUTE	1173	1187
k. How many other acres on this operation were irrigated using this field's irrigation system during the 2015 growing season? [Exclude this field.]	ACRES	1174	1188

3. What was the cost of the fuel or electricity used to irrigate this field?

DOLLARS & CENTS PER ACRE

1208

OR TOTAL DOLLARS

1209

4. **Was any water purchased to irrigate this field?**

(Include landlord's share and purchases from all sources.)

YES - [Enter code 1 and continue.]

NO - [Go to item 5.]

CODE

1189

PERCENT

1190

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

DOLLARS & CENTS
PER ACRE

OR TOTAL DOLLARS

b. What was the total cost for the water purchased for this field during the 2015 growing season? (Include landlord and contractor costs and ditch maintenance costs.)

1191

1192

5. [If SIPHON TUBES were used (item 2a = 10 or 11), ask--]

TOTAL DOLLARS

1193

What would be the total cost to replace all the siphon tubes used on this field?

6. [If POLY PIPE system were used (item 2a = 14) ask--]

TOTAL DOLLARS

1194

What was the total amount spent for poly pipe used on this field during the 2015 growing season?

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

INCHES

1195

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

FEET

1196

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

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

CODE

YES - [Enter code 1 and continue.]

NO - [Go to item 9.]

1197

NUMBER

1198

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

INCHES

1199

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

FEET

1200

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.]

CODE

1201

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

e. Were other fields irrigated using water pumped from well(s) that supplied water to the selected field?

CODE

YES - [Enter code 1 and continue.]

NO - [Go to item 9.]

1202

ACRES

1203

(i) Excluding this field, how many other acres on this operation were irrigated using the same well(s) during the 2015 growing season?

9. **Other than pipe that is part of the system, was any additional mainline or lateral pipe used to carry water from the source to this field?**

(Include underground pipe.)

YES - [Continue.]

NO - [Go to item 10.]

INCHES

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

1205

FEET

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

1206

RUN-OFF CODES

- 1 retained at the end of the field?
- 2 re-used to irrigate on the farm?
- 3 collected in evaporation ponds on the farm?
- 4 drained from the farm?
- 5 there is no run off.

CODE

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

1207

1. In response to high fuel prices during the 2015 crop year for corn, did you:

CODE

- a. reduce the number of field operations such as tillage, cultivation, or nutrient and pesticide applications? (i.e., compared to what you would have otherwise done on this field)?..... YES = 1
- b. leave the crop in the field to dry longer than you would have otherwise done on this field?..... YES = 1
- c. reduce the amount of irrigation water (i.e., compared to what you would have otherwise applied on this field)?..... YES = 1
- d. change other production practices on this field in response to high fuel prices? [If yes, specify _____] YES = 1

2. In response to high fertilizer prices during the 2015 crop year for corn, did you:

- a. reduce the application rate of commercial nitrogen fertilizer? (i.e., compared to what you would have otherwise applied on this field)?..... YES = 1
- [If YES, ask---]
- (i) by what percent did you reduce the amount of commercial nitrogen fertilizer for 2015?.....

PERCENT

- b. change the type of commercial nitrogen fertilizer products applied (i.e., compared to what you would have otherwise applied on this field)? [e.g. less anhydrous ammonia and more UAN]..... YES = 1
- c. increase the application rate of manure or other organic fertilizers (i.e., compared to what you would have otherwise applied on this field)?..... YES = 1
- d. manage fertilizer more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation (i.e., compared to what you would have otherwise done on this field)?..... YES = 1

CODE

CONCLUSION

LOCATION OF SELECTED FIELD

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

OFFICE USE
COUNTY FIPS
CODE

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

COUNTY NAME

0010

Field description.....

FOR STATES WITH GPS UNITS ONLY

Field location.....

LATITUDE

LONGITUDE

N

0054

W

0055

d d m m s s

d d d m m s s

2. [ENUMERATOR ACTION:

*Mark map to indicate where the selected corn field is located.
Be sure the "X" marked on map is in county identified above.]*

3. We will need additional information to complete this study. We will contact you in February or March, 2016, to collect it. I'll call you then to set up a time that is good for you.

4. Would you like to receive a copy of the results of this survey in the mail?

(Results will also be available on the Internet at <http://www.usda.gov/nass/> & <http://www.ers.usda.gov/>). YES = 1

CODE

0099

HH MM

0005

5. ENDING TIME [MILITARY].....

RECORDS USE

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

- a. [fertilizer data?]..... YES = 1
- b. [pesticide data?]..... YES = 1
- c. [majority of this expense data?]..... YES = 1

CODE

0011

0012

0013

SUPPLEMENTS USED

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

FERTILIZER APPLICATIONS
PESTICIDE APPLICATIONS
FIELD OPERATIONS

NUMBER

0041

0042

0043

Reported by: _____ Telephone: (____) _____

Response		Respondent		Mode		Enum	Eval.	Date MM DD YY	Optional	Optional
1-Comp	9901	1- Op/Mgr	9902	2-Tel	9903	0098	0100	0007	0002	0003
2-R		2-Sp		3-Face-to-Face						
3-Inac		3-Acct/Bkpr								
		4-Partner								
		9-Other						____05		
S/E Name										