

CONSERVATION EFFECTS ASSESSMENT PROJECT (CEAP) - 2013

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**NATIONAL
 AGRICULTURAL
 STATISTICS
 SERVICE**

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| VERSION | CEAP ID | TRACT | SUBTRACT |
|---------|---------|-------|----------|
| 1 | _____ | 01 | 01 |

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

INTRODUCTION
[Introduce yourself, and ask for the operator.]

The National Agricultural Statistics Service is collecting information on land management and conservation practices. The information collected will be used by the Natural Resources Conservation Service (NRCS) to assess the environmental benefits associated with the implementation and installation of conservation practices.

We need your help to make the information as accurate as possible. All conservation practices that are in place should be reported—whether they were installed as part of a Federal or State Cost–Share program, an industry or non-profit program, or by you (the operator) with no outside support. We encourage you to refer to your farm records during the interview.

Authority for collection of information on the Conservation Effects Assessment Project Report is under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347). Response to this survey is **confidential** and **voluntary**. You may skip any question(s) you prefer not to answer.

0001
1

HHMM
0004

BEGINNING TIME
 [MILITARY]

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 0535-0245. The time required to complete this information collection is estimated to average 70 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.

SCREENING

Determine the Area of Interest

To focus the respondent on the area of interest, the location must be identified as follows.

1. **Selected field**

- For purposes of this survey, the actual field where the sample point is located must be identified. This location is referred to as the **selected field**.
- The survey collects information about conservation practices, cropping history and management practices being undertaken in the **selected field**.

2. **Conservation practices associated with the field.**

- Sometimes conservation practices are not actually located in the selected field but are adjacent to or **adjoining** the field (such as a wind break or filter strip). These practices should also be captured during the survey.
- For CEAP purposes, this area is referred to as the **conservation area**.

During this interview, the questions will be about the SELECTED FIELD and/or the associated CONSERVATION AREA.

SCREENING – NO SIGNAL AVAILABLE

ENUMERATOR NOTE: *[Show the aerial photography to respondent and locate the sample point. Identify the field associated with the point.]*

1. **Did you make any of the day-to-day farming/ranching decisions for the field containing this point in 2013?**

- Yes** – *[If Yes, continue.]*
- No** – *[If No, conclude the interview and ask for the respondent's assistance in locating the correct operator.]*

ENUMERATOR NOTE: *[With the respondent, draw off the entire area that can be identified as the selected field and associated conservation area.]*

2. **In 2013, was any part of this field:**

- planted to a crop? (**Excluding** greenhouse and nursery crops)
- pasture?
- idle cropland? or
- summer fallow?

- Yes** – *[Enter 1, then go to Item 4.]*
- No** – *[Enter 3, then go to Item 3.]*

CODE

3. **During 2013, was the entire field enrolled in continuous conservation cover?**

[Include the General or Continuous Conservation Reserve Program (CRP), the Conservation Reserve Enhancement Program (CREP), or any other type of continuous cover conservation program offered by State, local, or non-profit organizations.]

- Yes** – *[Enter 1, then go to Item 4.]*
- No** – *[Enter 3, then go to Item 4.]*

CODE

4. **Was the wireless internet signal present at the time of the screening interview?**

- Yes** – *[Enter 1]*
- No** – *[Enter 3]*

CODE

ENUMERATOR ACTION: If Items 2 or 3 = 1 (**Yes**), continue, and complete the interview.
If Items 2 and 3 = 3 (**No**), conclude the interview.



A

FIELD CHARACTERISTICS---SELECTED FIELD

A

1. In 2013, how many acres in the selected field and conservation area containing the sample point were:

| | ACRES |
|---|-------------------|
| a. planted or cropped (Excluding greenhouse and nursery crops) (selected field)?..... | 0017 + _ |
| b. in field borders, grassed waterways, buffers, and other uses associated with conservation practices but not cropped?..... | 0018 + _ |
| c. idle cropland or summer fallow (selected field)?..... | 0019 + _ |
| d. greenhouse and nursery crops?..... | 0020 + _ |
| e. pasture (selected field)?..... | 0021 + _ |
| f. continuous conservation cover (selected field)?..... | 0016 + _ |
| g. non-ag (such as dwellings, buildings, structures, roads, and woodland and wasteland not in a conservation practice)?..... | 0022 + _ |

| | ACRES |
|---|-------------------|
| 2. So the TOTAL acres in the selected field and conservation area (1a + 1b + 1c + 1d + 1e + 1f + 1g) are:..... | 0023 = _ |

ENUMERATOR NOTE: [If any acres are reported in Item 1a (planted or cropped), or Item 1c (idle cropland or summer fallow), Item 1e (pasture), or Item 1f (continuous conservation cover), continue; else, go to **Conclusion**.]

3. During 2013, was any portion of the selected field and/or conservation area of interest enrolled in the continuous Conservation Reserve Program (CRP), the Farmable Wetland Program (FWP), or in the Conservation Reserve Enhancement Program (CREP)?

| | CODE |
|---|------|
| <input type="checkbox"/> Yes - [Enter 1] | 0732 |
| <input type="checkbox"/> No - [Enter 3] | |

| | 2013 | 2012 | 2011 |
|--|------|------|------|
| 4. Was this field considered organic acreage?..... Yes = 1 | 3382 | 3381 | 3380 |

| | 2013 | 2012 | 2011 |
|--|------|------|------|
| 5. Were the majority of the acres in this field (reported in Items 1a, 1c, 1e, or 1f)-- | 0504 | 0503 | 0502 |

1 Owned by this operation?
 2 Rented for fixed CASH payment?
 3 Rented for a flexible CASH payment?
 4 Rented for a SHARE of the crop?
 5 Rented for some combination of CASH and a SHARE of the crop?
 6 Used RENT-FREE?
 7 Not operated?





B

CONSERVATION PLAN---SELECTED FIELD/CONSERVATION AREA

B

1. Do you have a written Conservation Plan(s) for the selected field and/or conservation area?

[A "written plan" is a plan prepared in accordance with Federal, State, or Conservation District standards.]

This includes a Conservation Plan, Conservation Compliance (HEL) Plan, or Conservation Plan written as a result of participating in a conservation program, such as:

- Conservation Reserve Program (CRP)
- Environmental Quality Incentive Program (EQIP) Plan
- Wetland Reserve Program (WRP) Plan
- Wildlife Habitat Incentive Program (WHIP) Plan
- Grazing Land Reserve Program (GRP) Plan
- Agricultural Water Enhancement Program (AWEP) Plan
- Nutrient Management Plan or Comprehensive Nutrient Management Plan

Yes – [Enter 1 and continue with Item 1a.]

Don't Know – [Enter 2, then go to Item 2.]

No – [Enter 3, then go to Item 2.]

CODE

0701

[Encourage the respondent to get their Conservation Plan to answer the following questions.]

a. Does the written plan include any of the following? (Select all that apply)

CODE

(i) Practices to reduce soil erosion? **Yes = 1**

0702

(ii) Nutrient management plan practices? **Yes = 1**

0703

(iii) Pest management plan practices? **Yes = 1**

0704

(iv) Irrigation water management plan practices? **Yes = 1**

0705

(v) Wildlife habitat enhancement practices? **Yes = 1**

0706

(vi) Manure management and handling practices? **Yes = 1**

0771

(vii) Agricultural water management plan that meets state or local requirements? **Yes = 1**

0742

2. Did you receive cost share or incentive payments in 2013, 2012, or 2011 for any conservation practices implemented on this field and/or conservation area?

[Be sure to include payments for establishing grassed waterways and filter strips or riparian buffers on or adjoining the field.]

Yes – [Enter 1 and continue.]

No – [Enter 3, then go to Item 3.]

CODE

0707

a. If Yes, for what program? (Select all that apply)

CODE

(i) Conservation Security Program (CSP). **Yes = 1**

0772

(ii) CRP. **Yes = 1**

0708

(iii) WRP. **Yes = 1**

0709

(iv) EQIP. **Yes = 1**

0710

(v) AWEP. **Yes = 1**

0745

(vi) State Programs. **Yes = 1**

0711

(vii) Other (Specify) _____ **Yes = 1**

0712

(viii) Don't Know. **Yes = 1**

0713



3. **Did you receive any help for the development of:**

- a Conservation Plan for this field/conservation area? [*Ask **only** if there is a written conservation plan for this field, Item 1 = 1 (Yes).*]
 - Yes** – [*Check box, then go to Item 3a.*]
 - No** – [*Check box and continue.*]

- conservation practices currently in place on this field/conservation area?
 - Yes** – [*Check box and continue.*]
 - No** – [*Check box, then go to **Section C.***]

- a. If **Yes**, please identify who provided the assistance for the development of the Conservation Plan and/or conservation practice(s) on this field/conservation area.
 - **Include** assistance for planning, installing, maintaining, or using conservation practices or systems on this field.
 - **Include** grassed waterways and filter strips or riparian buffers on or adjoining this field.
 - **Include** assistance from any source whether paid for or free.

| Source | [<i>Select all that apply</i>] Yes = 1 | Were you charged for the service? Yes = 1 | Which of these was your PRIMARY source of assistance? [<i>Select only 1</i>] Yes = 1 |
|---|---|--|--|
| NRCS. | 0714 | 0720 | 0726 |
| Conservation District. | 0715 | 0721 | 0727 |
| Technical Service Providers (NRCS Certified). | 0716 | 0722 | 0728 |
| Private Consultant. | 0747 | 0760 | 0762 |
| Trade Organizations. | 0751 | 0761 | 0763 |
| University Extension. | 0717 | 0723 | 0729 |
| State Agencies. | 0718 | 0724 | 0730 |
| Other (<i>Specify: _____</i>). | 0719 | 0725 | 0731 |

| Completion Code for Conservation Plan | |
|---------------------------------------|------|
| 1 = Incomplete/Refusal | 0700 |

4. In 2013, did the selected field and/or conservation area have any of the following conservation practices?
 [May or may not be included in the conservation plan.]

ENUMERATOR ACTION: If the respondent reports "Yes" to any practice, complete the additional questions about that practice. Otherwise, skip to the next practice.

| | | |
|--|---------|------|
| a. Terraces?..... | Yes = 1 | 1328 |
| (i) Were these terraces:..... | Code | 1329 |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 1 = primarily grassed 2 = primarily cropped </div> | | |
| b. Stream side forest buffer?..... | Yes = 1 | 1333 |
| (i) Width of buffer?..... | Feet | 3320 |
| (ii) Species:..... | Code | 3321 |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;"> 1 = evergreen 2 = deciduous 3 = mixed </div> | | |
| c. Stream side herbaceous buffer?..... | Yes = 1 | 1334 |
| (i) Width of buffer?..... | Feet | 3322 |
| (ii) Is the buffer maintained, for example, by fertilizing, mowing, or repairing any gullies?..... | Yes = 1 | 3323 |
| (iii) Is the buffer designed to capture--- | | |
| (a) sediment?..... | Yes = 1 | 3330 |
| (b) nutrients?..... | Yes = 1 | 3331 |
| (c) pesticide residue?..... | Yes = 1 | 3332 |
| d. Field borders?..... | Yes = 1 | 1337 |
| (i) Width of field border?..... | Feet | 3333 |
| (ii) Is the field border maintained, for example, by fertilizing, mowing, or repairing any gullies?..... | Yes = 1 | 3334 |
| (iii) Is the field border designed to capture--- | | |
| (a) sediment?..... | Yes = 1 | 3341 |
| (b) nutrients?..... | Yes = 1 | 3342 |
| (c) pesticide residue?..... | Yes = 1 | 3343 |
| e. Filter strips?..... | Yes = 1 | 1338 |
| (i) Width of filter strip?..... | Feet | 3344 |
| (ii) Is the filter strip maintained, for example, by fertilizing, mowing, or repairing any gullies?..... | Yes = 1 | 3350 |
| (iii) Is the filter strip designed to capture--- | | |
| (a) sediment?..... | Yes = 1 | 3352 |
| (b) nutrients?..... | Yes = 1 | 3353 |
| (c) pesticide residue?..... | Yes = 1 | 3354 |

| | | CODE |
|--|---|------|
| f. | Grassed waterways? Yes = 1 | 1330 |
| g. | Vegetative barriers (in-field)? Yes = 1 | 1331 |
| h. | Hedgerow plantings? Yes = 1 | 1332 |
| i. | Windbreak? Yes = 1 | 1335 |
| j. | Herbaceous wind barrier? Yes = 1 | 3360 |
| k. | Contour buffers (in-field)? Yes = 1 | 1336 |
| l. | Critical area planting? Yes = 1 | 1339 |
| m. | Grade stabilization structure? Yes = 1 | 1340 |
| n. | Drainage water management? Yes = 1 | 3361 |
| Are water tables managed for – (Include above ground and below ground water levels.) | | |
| (i) | Reduction of nutrient, pathogen, pesticide, and other contaminant losses from the field? Yes = 1 | 3390 |
| (ii) | Seasonal wildlife habitat? Yes = 1 | 3391 |
| (iii) | Weed control? Yes = 1 | 3392 |
| (iv) | Managing crop residue? Yes = 1 | 3393 |
| (v) | Conserving soil organic matter? Yes = 1 | 3394 |
| (vi) | Reducing wind erosion and particulate emissions? Yes = 1 | 3371 |
| (vii) | Other purposes? Specify: _____ Yes = 1 | 3372 |
| o. | Irrigation tailwater recovery system? Yes = 1 | 3373 |
| p. | Contour farming? Yes = 1 | 3362 |
| q. | Strip cropping? Yes = 1 | 3363 |
| r. | Other? Specify: _____ Yes = 1 | 2450 |

5. **Have you modified or added any conservation practices for the selected field SPECIFICALLY to improve the quality of fish or wildlife habitat?**

Yes = 1 **No = 3** **Not Applicable = 4**

CODE

| |
|------|
| 3364 |
|------|

6. **Do you manage the vegetative cover for wildlife purposes?**

Yes = 1 **No = 3** **Not Applicable = 4**

CODE

| |
|------|
| 3370 |
|------|

C CROPPING HISTORY & CONSERVATION PRACTICES---SELECTED FIELD C

1. Now I'd like to ask you about the field where the point is located and obtain the cropping and land use history for the past 3 years. (Please include all crops planted for cover crop, double crop, multiple crop, replanting of same crop and if strip cropped, all crops in the strip crop scheme. [Use a separate column for each use of the field in each year.]

| Let's begin with the 2013 crop year. What was/were the: | | 1 | 2 | 3 |
|---|---------------------------|------|------|-------------|
| | | 2013 | 2013 | 2013 |
| Crop(s) planted or Land Use? | Crop | | | |
| 1. Crop(s) code or Land Use Code. [See Respondent Booklet for codes] | Code | 1005 | 1037 | 1069 |
| 2. Intended use of Crop(s)? [See Respondent Booklet for codes] | Code | 1006 | 1038 | 1070 |
| 3. Acres planted? [Include previous planted crops.] | Acres | 1007 | 1039 | 1071 |
| 4. Date planted? (MMDDYY) | Date | 1008 | 1040 | 1072 |
| 5. Row Width (for row crops)? | Inches | 1011 | 1043 | 1075 |
| 6. Spacing between rows (for orchards and vineyards)? | Feet | 4600 | 4602 | 4604 |
| 7. Spacing between plants within rows (for orchards and vineyards)? | Feet | 4601 | 4603 | 4605 |
| 8. Expected yield/acre at planting (yield goal)? | Number | 1012 | 1044 | 1076 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1013 | 1045 | 1077 |
| 9. Type of tillage used? [See Respondent Booklet for codes] | Code | 1014 | 1046 | 1078 |
| 10. Acres harvested? | Acres | 1015 | 1047 | 1079 |
| a. Date harvested? (MMDDYY) | Date | 1016 | 1048 | 1080 |
| 11. Actual yield at harvest/acre? | Number | 1017 | 1049 | 1081 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1018 | 1050 | 1082 |
| 12. Acres abandoned? | Acres | 1019 | 1051 | 1083 |
| 13. Was this crop irrigated? | Yes = 1 No = 3 | 1029 | 1061 | 1093 |
| 14. Was the grass vegetation, straw or stubble harvested? If Yes, enter 1 and continue. If No, enter 3, then go to Item 15. | Yes = 1 No = 3 | 1020 | 1052 | 1084 |
| a. How many acres of grass vegetation, straw or stubble were harvested? | Acres | 1021 | 1053 | 1085 |
| b. What was the remaining stubble height after harvest? | Inches | 1022 | 1054 | 1086 |
| 15. Was the field grazed? If Yes, enter 1 and continue. If No, enter 3, then go to page 9. | Yes = 1 No = 3 | 1023 | 1055 | 1087 |
| 16. What type of livestock grazed the field (primarily)? [See Respondent Booklet for codes] | Code | 1024 | 1056 | 1088 |
| 17. Regardless of ownership, how many head of _____ grazed this field BEFORE harvest? | Head | 1025 | 1057 | 1089 |
| a. How many total days was the field grazed BEFORE harvest? | Days | 1026 | 1058 | 1090 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1411 | 1413 | 1422 |
| 18. Regardless of ownership, how many head of _____ grazed this field AFTER harvest? | Head | 1027 | 1059 | 1091 |
| a. How many total days was the field grazed AFTER harvest? | Days | 1028 | 1060 | 1092 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1412 | 1421 | 1423 |
| 2013 EDIT CROPPING TABLE | | | | 1004 |

| | | 1 | 2 | 3 |
|--|---------------------------|------|---------------------------------|-------------|
| | | 2012 | 2012 | 2012 |
| Let's continue with the 2012 crop year. | | | | |
| Did you make day-to-day farming/ranching decisions for this field in 2012? If Yes, continue. If No, go to page 10. | Yes = 1 No = 3 | 0010 | | |
| What was/were the: | | | | |
| Crop(s) planted or Land Use? | Crop | | | |
| 1. Crop(s) code or Land Use Code. [See Respondent Booklet for codes] | Code | 1101 | 1133 | 1165 |
| 2. Intended use of Crop(s)? [See Respondent Booklet for codes] | Code | 1102 | 1134 | 1166 |
| 3. Acres planted? [Include previous planted crops.] | Acres | 1103 | 1135 | 1167 |
| 4. Date planted? (MMDDYY) | Date | 1104 | 1136 | 1168 |
| 5. Row Width (for row crops)? | Inches | 1107 | 1139 | 1171 |
| 6. Spacing between rows (for orchards and vineyards)? | Feet | 4618 | 4620 | 4622 |
| 7. Spacing between plants within rows (for orchards and vineyards)? | Feet | 4619 | 4621 | 4623 |
| 8. Expected yield/acre at planting (yield goal)? | Number | 1108 | 1140 | 1172 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1109 | 1141 | 1173 |
| 9. Type of tillage used? [See Respondent Booklet for codes] | Code | 1110 | 1142 | 1174 |
| 10. Acres harvested? | Acres | 1111 | 1143 | 1175 |
| a. Date harvested? (MMDDYY) | Date | 1112 | 1144 | 1176 |
| 11. Actual yield at harvest/acre? | Number | 1113 | 1145 | 1177 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1114 | 1146 | 1178 |
| 12. Acres abandoned? | Acres | 1115 | 1147 | 1179 |
| 13. Was this crop irrigated? | Yes = 1 No = 3 | 1125 | 1157 | 1189 |
| 14. Was the grass vegetation, straw, or stubble harvested? If Yes, enter 1 and continue. If No, enter 3 and go to Item 15. | Yes = 1 No = 3 | 1116 | 1148 | 1180 |
| a. How many acres of grass vegetation, straw, or stubble were harvested? | Acres | 1117 | 1149 | 1181 |
| b. What was the remaining stubble height after harvest? | Inches | 1118 | 1150 | 1182 |
| 15. Was the field grazed? If Yes, enter 1 and continue. If No, enter 3, then go to page 10. | Yes = 1 No = 3 | 1119 | 1151 | 1183 |
| 16. What type of livestock grazed the field (primarily)? [See Respondent Booklet for codes] | Code | 1120 | 1152 | 1184 |
| 17. Regardless of ownership, how many head of _____ grazed this field BEFORE harvest? | Head | 1121 | 1153 | 1185 |
| a. How many total days was the field grazed BEFORE harvest? | Days | 1122 | 1154 | 1186 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1431 | 1433 | 1442 |
| 18. Regardless of ownership, how many head of _____ grazed this field AFTER harvest? | Head | 1123 | 1155 | 1187 |
| a. How many total days was the field grazed AFTER harvest? | Days | 1124 | 1156 | 1188 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1432 | 1441 | 1443 |
| | | | 2012 EDIT CROPPING TABLE | 1003 |

| | | 1 | 2 | 3 |
|---|---------------------------|-------------|-------------|-------------|
| Let's finish up with the 2011 crop year: | | 2011 | 2011 | 2011 |
| Did you make day-to-day farming/ranching decisions for this field in 2011? If Yes, continue. If No, go to page 11. | Yes = 1 No = 3 | 0011 | | |
| What was/were the: | | | | |
| Crop(s) planted or Land Use? | Crop | | | |
| 1. Crop(s) code or Land Use Code. [See Respondent Booklet for codes] | Code | 1197 | 1229 | 1261 |
| 2. Intended use of Crop(s)? [See Respondent Booklet for codes] | Code | 1198 | 1230 | 1262 |
| 3. Acres planted? [Include previous planted crops.] | Acres | 1199 | 1231 | 1263 |
| 4. Date planted? (MMDDYY) | Date | 1200 | 1232 | 1264 |
| 5. Row Width (for row crops)? | Inches | 1203 | 1235 | 1267 |
| 6. Spacing between rows (for orchards and vineyards)? | Feet | 4624 | 4626 | 4628 |
| 7. Spacing between plants within rows (for orchards and vineyards)? | Feet | 4625 | 4627 | 4629 |
| 8. Expected yield/acre at planting (yield goal)? | Number | 1204 | 1236 | 1268 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1205 | 1237 | 1269 |
| 9. Type of tillage used? [See Respondent Booklet for codes] | Code | 1206 | 1238 | 1270 |
| 10. Acres harvested? | Acres | 1207 | 1239 | 1271 |
| a. Date harvested? (MMDDYY) | Date | 1208 | 1240 | 1272 |
| 11. Actual yield at harvest/acre? | Number | 1209 | 1241 | 1273 |
| a. Unit: [See Respondent Booklet for codes] | Code | 1210 | 1242 | 1274 |
| 12. Acres abandoned? | Acres | 1211 | 1243 | 1275 |
| 13. Was this crop irrigated? | Yes = 1 No = 3 | 1221 | 1253 | 1285 |
| 14. Was the grass vegetation, straw, or stubble harvested? If Yes enter 1 and continue. If No, enter 3, then go to Item 15. | Yes = 1 No = 3 | 1212 | 1244 | 1276 |
| a. How many acres of grass vegetation, straw, or stubble were harvested? | Acres | 1213 | 1245 | 1277 |
| b. What was the remaining stubble height after harvest? | Inches | 1214 | 1246 | 1278 |
| 15. Was the field grazed? If Yes, enter 1 and continue. If No, enter 3, then go to page 11. | Yes = 1 No = 3 | 1215 | 1247 | 1279 |
| 16. What type of livestock grazed the field (primarily)? [See Respondent Booklet for codes] | Code | 1216 | 1248 | 1280 |
| 17. Regardless of ownership, how many head of _____ grazed this field BEFORE harvest? | Head | 1217 | 1249 | 1281 |
| a. How many total days was the field grazed BEFORE harvest? | Days | 1218 | 1250 | 1282 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1451 | 1453 | 1462 |
| 18. Regardless of ownership, how many head of _____ grazed this field AFTER harvest? | Head | 1219 | 1251 | 1283 |
| a. How many total days was the field grazed AFTER harvest? | Days | 1220 | 1252 | 1284 |
| b. Was supplemental feed supplied to livestock? | Yes = 1 No = 3 | 1452 | 1461 | 1463 |
| 2011 EDIT CROPPING TABLE | | | 1002 | |

2. Do you have a crop rotation plan for this field?

Yes – [Enter 1 and continue.]

CODE

1343

No – [Enter 3, then go to Item 3.]

a. Let's record your crop rotation plan. [Use the crop codes from the Respondent Booklet. Use multiple codes to capture strip cropping, double cropping, and cover crops in a planned rotation.]

| Enter the crop name and crop code for the crops in rotation [only use as many years as are in the rotation scheme]. | CROPS | CROP CODE | CROP CODE | CROP CODE |
|--|-------|-----------|-----------|-----------|
| 1 st year of rotation | | 1344 | 1351 | 1358 |
| 2 nd year of rotation | | 1345 | 1352 | 1359 |
| 3 rd year of rotation | | 1346 | 1353 | 1360 |
| 4 th year of rotation | | 1347 | 1354 | 1361 |
| 5 th year of rotation | | 1348 | 1355 | 1362 |
| 6 th year of rotation | | 1349 | 1356 | 1363 |

3. Was a cover crop planted on this field for the 2013, 2012 or 2011 crop years?

CODE

Yes – [Enter 1 and continue.]

1471

No – [Enter 3, then go to Item 4.]

a. Let's record your cover crop history:

| | | 2013 | 2012 | 2011 |
|---|---|------|------|------|
| When was the cover crop planted? | MMDDYY | 1472 | 1483 | 1571 |
| What type of cover crop was planted? (Enter code) | 1 Wheat 2 Rye 3 Other small grain/ winter annual 4 Legume (clover, cowpeas, etc.) 5 Other | 1473 | 1491 | 1572 |
| When was the cover crop terminated? | MMDDYY | 1481 | 1492 | 1573 |
| How was the cover crop terminated? (Enter code) | 1 Herbicide 2 Mowed 3 Hayed 4 Plowed or disked in 5 Roller/Crimper 6 Harvested for grain 7 Burned | 1482 | 1493 | 1581 |

4. Is the field adjacent (within 100 feet up slope) to a water body, including a stream, intermittent stream, wetland, drainage ditch or irrigation canal/ditch?

CODE

1327

[If Yes, continue. If No, go to Item 6.]

Yes = 1

CODE

1364

5. Are irrigation/drainage ditches lined or vegetated to maintain a stable channel?

Yes = 1

6. Does this field have subsurface (tile) drainage?

CODE

Yes – [Enter 1 and continue.]

1341

Don't Know – [Enter 2, then go to Item 7.]

No – [Enter 3, then go to Item 7.]

a. Are the drainage tiles organized in a pattern? Yes = 1

1781

[If Yes, continue. If No, go to Item 6c.]

CODE

1782

b. What is the approximate subsurface (tile) drain spacing?

1 – less than 30 feet 2 – 30-59 feet 3 – 60-100 feet 4 – more than 100 feet

CODE

1783

c. Are there surface inlet pipes connected to the subsurface (tile) drains in this field? Yes = 1

1342

7. Does this field have surface drainage structures? Yes = 1



D

COMMERCIAL FERTILIZER APPLICATIONS---SELECTED FIELD

D

1. Were commercial FERTILIZERS applied to this field for:

- a. the **2013** crop? [If Yes, enter 1 and continue. If No, enter 3, then go to Item 1c.]
- b. Did you use any product to slow the breakdown of nitrogen on this field in **2013**? (For example, a nitrification inhibitor, a urease inhibitor, or slow release polymer.)
- c. the **2012** crop? [If Yes, enter 1 and continue. If No, enter 3, then go to Item 1e.]
- d. Did you use any product to slow the breakdown of nitrogen on this field in **2012**? (For example, a nitrification inhibitor, a urease inhibitor, or slow release polymer.)
- e. the **2011** crop? [If Yes, enter 1 and continue. If No, enter 3, then go to Item 2.]
- f. Did you use any product to slow the breakdown of nitrogen on this field in **2011**? (For example, a nitrification inhibitor, a urease inhibitor, or slow release polymer.)

| | CODE | EDIT TABLE |
|-------------------|------|------------|
| Yes = 1 No = 3 | 0221 | 0234 |
| Yes = 1 No = 3 | 0222 | |

| | CODE | EDIT TABLE |
|-------------------|------|------------|
| Yes = 1 No = 3 | 0235 | 0233 |
| Yes = 1 No = 3 | 0236 | |

| | CODE | EDIT TABLE |
|-------------------|------|------------|
| Yes = 1 No = 3 | 0237 | 0232 |
| Yes = 1 No = 3 | 0238 | |

2. Is your soil phosphorus level elevated to a point where no additional phosphorus nutrients can be applied to this field for the 2013 crop year?

Yes = 1

3. Were phosphorus nutrients applied to this field as either fertilizer or manure prior to 2011 to supply phosphorus for subsequent years of the crop rotation?

- Yes – [Enter 1 and continue.]
- No – [Enter 3, then go to Item 4.]

CODE

a. When were the phosphorus nutrients applied?

MMDDYY

b. What rate was applied?

| Units for fertilizer | Units for manure |
|---|--------------------------|
| 18 lbs/acre P ₂ O ₅ | 1 Pounds per acre |
| | 3 Tons per acre |
| | 12 Gallons per acre |
| | 14 Acre-Inch manure/acre |

| AMOUNT | AND | UNIT CODE |
|-----------------------------------|-----|-----------------------------------|
| <input type="text" value="0250"/> | | <input type="text" value="0251"/> |

4. Were soil amendments other than nutrients added to this field?

| 2013 | 2012 | 2011 |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <input type="text" value="0283"/> | <input type="text" value="0285"/> | <input type="text" value="0287"/> |

[If Yes, continue for that year. If No for all years, go to Item 5.]

a. Were the amendments added to address pH, soil structure, or micronutrient-related problems?

| 2013 | 2012 | 2011 |
|-----------------------------------|-----------------------------------|-----------------------------------|
| <input type="text" value="0284"/> | <input type="text" value="0286"/> | <input type="text" value="0288"/> |

5. Was a soil test performed on this field within the last 5 years to determine crop nutrient application needs?

- Yes – [Enter 1 and continue.]
- No – [Enter 3, then go to Item 6.]

CODE

a. How often is the soil test performed?

| | |
|---|--------------------------|
| 1 | annually |
| 2 | every 2-3 years |
| 3 | once during the rotation |

CODE



b. Please provide the following information for the last soil test performed on this field. If nitrogen and phosphorus were tested separately, provide the information for BOTH tests. (Report soil test value only. Do not report recommended fertilizer amounts.)

| 1 Year of Test YY | 2 Crop Name | 3 Crop Code | 4 Soil Test Nitrogen | | 5 Soil Test Phosphorus | | | 6 Soil Test Potassium | |
|-----------------------------|----------------|----------------|-------------------------|-----------------------------|---------------------------|--|------------|-----------------------------|--|
| | | | Test Value | Unit 1 lbs/acre 2 ppm | Test Value | Unit 1 lbs/acre 2 ppm 3 mg/kg | Test Value | Unit 1 lbs/acre 2 ppm | |
| 0254 | | 0255 | 0256 | 0257 | 0258 | 0259 | 0260 | 0261 | |
| 0263 | | 0264 | 0265 | 0266 | 0267 | 0268 | 0269 | 0270 | |

| 7 Soil pH | 8 Soil Test Electrical Conductivity (EC) | | 9 Soil Test Sodium Absorption Ratio (SAR) |
|--------------|---|--|--|
| | Test Value | Unit 1 siemens per meter (S/m) 2 deciSiemens per meter (dS/m) 3 microSiemens per centimeter (µS/cm) 4 millimhos per centimeter (mmho/cm) | |
| 0262 | 0291 | 0292 | 0293 |
| 0271 | 0296 | 0297 | 0298 |

6. Were any of the following types of soil or tissue tests performed to determine nutrient needs on this field?

| | Yes = 1 | CODE |
|---|---------|------|
| a. Pre-plant or pre-sidedress nitrate-nitrogen test. | Yes = 1 | 0272 |
| b. Deep soil profile nitrate-nitrogen test (greater than one foot deep). | Yes = 1 | 0273 |
| c. Leaf petiole or leaf tissue tests. | Yes = 1 | 0274 |
| d. Post-harvest stalk test. | Yes = 1 | 0275 |
| e. Chlorophyll analysis (for example, leaf color charts, chlorophyll meters, optical sensors, or remote aerial sensing). | Yes = 1 | 0276 |

7. During crop years 2013, 2012, or 2011---

| | 2013 | 2012 | 2011 |
|--|------|------|------|
| Was a GPS (Global Positioning System) device used to georeference and/or produce a map of the soil properties of this field (such as soil nitrate levels, pH, etc.)? | 1299 | 1310 | 1321 |

[If Yes to any crop year, continue. If No to all crop years, go to Item 8a.]

| | 2013 | 2012 | 2011 |
|--|------|------|------|
| a. Was the map based on random sampling? | 0277 | 0279 | 0281 |
| b. Was the map based on grid sampling? | 0278 | 0280 | 0282 |
| c. Was the map based on a machine that measured electrical conductivity of the soil? | 1301 | 1312 | 1323 |

ENUMERATOR NOTE: Was fertilizer applied in 2013? [If **Yes**, continue. If **No**, go to Item 8b.]

8a. Now I need to record information for each fertilizer application for the 2013 crop.

[Probe for applications made in the fall of 2012 (and those made earlier if this field was fallow) for the 2013 crop year.]

| CHECKLIST | | | | | | | | | | | | |
|--|-------------------|---|--|---|---|-------------------------------|-------------|--|--|------------------------------|-----------|------|
| INCLUDE | | | | | EXCLUDE | | | | | | | |
| <input type="checkbox"/> Custom applied fertilizers <input type="checkbox"/> Sulfur | | | | | <input type="checkbox"/> Micronutrients <input type="checkbox"/> Commercially prepared manure <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Lime and gypsum | | | | | Office Use Lines in Table | TABLE 100 | 0299 |
| LINE | 1 Crop Year | 2 Primary crop for which nutrients were intended | 3 Crop Code [Enter crop code from Respondent Booklet.] | 4 MATERIALS USED <i>Enter actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analysis in this column and quantity applied per acre in column 5.</i> [Show Common Fertilizers in Respondent Booklet.] | | | | 5 What quantity was applied per acre? [Leave this column blank if pounds of actual nutrients were reported in column 4.] | 6 [Enter material code.] 1 Pounds 3 Tons 12 Gallons 13 Quarts 19 Pounds of actual nutrients CODE | | | |
| | | | | Nitrogen N | Phosphorus P ₂ O ₅ | Potassium K ₂ O | Sulfur S | | | | | |
| 01 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 02 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 03 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 04 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 05 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 06 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 07 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 08 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 09 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 10 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 11 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 12 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 13 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 14 | 28 13 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |

APPLICATION CODES FOR COLUMN 8

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by air
- 4 In seed furrow
- 5 In irrigation water (fertigation)
- 6 Chiseled/injected or knifed in
- 7 Banded/side-dressed on the soil surface
- 8 Foliar or directed spray

| LINE | 7 | 8 | 9 | 10 | NOTES |
|------|--------------------------------------|--|---|--|-------|
| | When was this applied? MMDDYY | How was this applied? <i>[Enter code from box above.]</i> | How many acres were treated in this application? ACRES | Was variable rate technology (VRT) used? <i>[Include "on-the-go" sensing.]</i> Yes = 1 | |
| 01 | 30 _____ | 39 | 40 _____ | 29 | |
| 02 | 30 _____ | 39 | 40 _____ | 29 | |
| 03 | 30 _____ | 39 | 40 _____ | 29 | |
| 04 | 30 _____ | 39 | 40 _____ | 29 | |
| 05 | 30 _____ | 39 | 40 _____ | 29 | |
| 06 | 30 _____ | 39 | 40 _____ | 29 | |
| 07 | 30 _____ | 39 | 40 _____ | 29 | |
| 08 | 30 _____ | 39 | 40 _____ | 29 | |
| 09 | 30 _____ | 39 | 40 _____ | 29 | |
| 10 | 30 _____ | 39 | 40 _____ | 29 | |
| 11 | 30 _____ | 39 | 40 _____ | 29 | |
| 12 | 30 _____ | 39 | 40 _____ | 29 | |
| 13 | 30 _____ | 39 | 40 _____ | 29 | |
| 14 | 30 _____ | 39 | 40 _____ | 29 | |

ENUMERATOR NOTE: Was fertilizer applied in 2012? [If **Yes**, continue. If **No**, go to Item 8c.]

8b. Now I need to record information for each fertilizer application for the 2012 crop.
 [Probe for applications made in the fall of 2011 (and those made earlier if this field was fallow) for the 2012 crop year.]

| CHECKLIST | | | | | | | | | | | | |
|--|------------------|---|--|--|---|-------------------------------|-------------|--|---|------------------------------|-----------|------|
| INCLUDE | | | | | EXCLUDE | | | | | | | |
| <input type="checkbox"/> Custom applied fertilizers <input type="checkbox"/> Sulfur | | | | | <input type="checkbox"/> Micronutrients <input type="checkbox"/> Commercially prepared manure <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Lime and gypsum | | | | | Office Use Lines in Table | TABLE 200 | 0299 |
| LINE | 1 Crop Year | 2 Primary crop for which nutrients were intended | 3 Crop Code [Enter crop code from Respondent Booklet.] | 4 MATERIALS USED Enter actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analysis in this column and quantity applied per acre in column 5. [Show Common Fertilizers in Respondent Booklet.] | | | | 5 What quantity was applied per acre? [Leave this column blank if pounds of actual nutrients were reported in column 4.] | 6 [Enter material code.] 1 Pounds 3 Tons 12 Gallons 13 Quarts 19 Pounds of actual nutrients CODE | | | |
| | | | | Nitrogen N | Phosphorus P ₂ O ₅ | Potassium K ₂ O | Sulfur S | | | | | |
| 01 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 02 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 03 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 04 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 05 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 06 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 07 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 08 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 09 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 10 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 11 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 12 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 13 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 14 | ²⁸ 12 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |

APPLICATION CODES FOR COLUMN 8

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by air
- 4 In seed furrow
- 5 In irrigation water (fertigation)
- 6 Chiseled/injected or knifed in
- 7 Banded/side-dressed on the soil surface
- 8 Foliar or directed spray

| LINE | 7 When was this applied? MMDDYY | 8 How was this applied? <i>[Enter code from box above.]</i> | 9 How many acres were treated in this application? ACRES | 10 Was variable rate technology (VRT) used? <i>[Include "on-the-go" sensing.]</i> Yes = 1 | NOTES |
|------|---|---|--|--|-------|
| 01 | 30 _____ | 39 | 40 _____ | 29 | |
| 02 | 30 _____ | 39 | 40 _____ | 29 | |
| 03 | 30 _____ | 39 | 40 _____ | 29 | |
| 04 | 30 _____ | 39 | 40 _____ | 29 | |
| 05 | 30 _____ | 39 | 40 _____ | 29 | |
| 06 | 30 _____ | 39 | 40 _____ | 29 | |
| 07 | 30 _____ | 39 | 40 _____ | 29 | |
| 08 | 30 _____ | 39 | 40 _____ | 29 | |
| 09 | 30 _____ | 39 | 40 _____ | 29 | |
| 10 | 30 _____ | 39 | 40 _____ | 29 | |
| 11 | 30 _____ | 39 | 40 _____ | 29 | |
| 12 | 30 _____ | 39 | 40 _____ | 29 | |
| 13 | 30 _____ | 39 | 40 _____ | 29 | |
| 14 | 30 _____ | 39 | 40 _____ | 29 | |

ENUMERATOR NOTE: Was fertilizer applied in 2011? [If **Yes**, continue. If **No**, go to **Section E**.]

8c. Now I need to record information for each fertilizer application for the 2011 crop.

[Probe for applications made in the fall of 2010 (and those made earlier if this field was fallow) for the 2011 crop year.]

| CHECKLIST | | | | | | | | | | | | |
|--|-------------------|---|--|---|---|-------------------------------|-------------|--|--|------------------------------|-----------|------|
| INCLUDE | | | | | EXCLUDE | | | | | | | |
| <input type="checkbox"/> Custom applied fertilizers <input type="checkbox"/> Sulfur | | | | | <input type="checkbox"/> Micronutrients <input type="checkbox"/> Commercially prepared manure <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Lime and gypsum | | | | | Office Use Lines in Table | TABLE 300 | 0299 |
| LINE | 1 Crop Year | 2 Primary crop for which nutrients were intended | 3 Crop Code [Enter crop code from Respondent Booklet.] | 4 MATERIALS USED Enter actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analysis in this column and quantity applied per acre in column 5. [Show Common Fertilizers in Respondent Booklet.] | | | | 5 What quantity was applied per acre? [Leave this column blank if pounds of actual nutrients were reported in column 4.] | 6 [Enter material code.] 1 Pounds 3 Tons 12 Gallons 13 Quarts 19 Pounds of actual nutrients CODE | | | |
| | | | | Nitrogen N | Phosphorus P ₂ O ₅ | Potassium K ₂ O | Sulfur S | | | | | |
| 01 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 02 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 03 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 04 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 05 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 06 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 07 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 08 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 09 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 10 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 11 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 12 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 13 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |
| 14 | 28 11 | | | 31 | 32 | 33 | 34 | 36 | 37 | | | |

APPLICATION CODES FOR COLUMN 8

- 1 Broadcast, ground without incorporation
- 2 Broadcast, ground with incorporation
- 3 Broadcast, by air
- 4 In seed furrow
- 5 In irrigation water (fertigation)
- 6 Chiseled/injected or knifed in
- 7 Banded/side-dressed on the soil surface
- 8 Foliar or directed spray

| LINE | 7 When was this applied? MMDDYY | 8 How was this applied? <i>[Enter code from box above.]</i> | 9 How many acres were treated in this application? ACRES | 10 Was variable rate technology (VRT) used? <i>[Include "on-the-go" sensing.]</i> Yes = 1 | NOTES |
|------|---|---|--|--|-------|
| 01 | 30 _____ | 39 | 40 _____ | 29 | |
| 02 | 30 _____ | 39 | 40 _____ | 29 | |
| 03 | 30 _____ | 39 | 40 _____ | 29 | |
| 04 | 30 _____ | 39 | 40 _____ | 29 | |
| 05 | 30 _____ | 39 | 40 _____ | 29 | |
| 06 | 30 _____ | 39 | 40 _____ | 29 | |
| 07 | 30 _____ | 39 | 40 _____ | 29 | |
| 08 | 30 _____ | 39 | 40 _____ | 29 | |
| 09 | 30 _____ | 39 | 40 _____ | 29 | |
| 10 | 30 _____ | 39 | 40 _____ | 29 | |
| 11 | 30 _____ | 39 | 40 _____ | 29 | |
| 12 | 30 _____ | 39 | 40 _____ | 29 | |
| 13 | 30 _____ | 39 | 40 _____ | 29 | |
| 14 | 30 _____ | 39 | 40 _____ | 29 | |

MANURE APPLICATIONS---SELECTED FIELD

1. Was manure or manure compost applied to this field for the 2013, 2012, or 2011 crop year?

Manure applications include solids and effluents from waste lagoons, waste holding ponds, and waste runoff storage ponds. *(Include commercially prepared manure.)*

[Probe for applications made in the fall of 2010, 2011 and 2012 (and those made earlier if this field was fallow) for the 2011, 2012, and 2013 crop years.]

CODE

Yes – [Enter 1 and continue.]

No – [Enter 3, then go to **Section F.**]

0418

2. Now I need to record information for each manure application.

| | | |
|-------------------------------------|---------------------|------|
| Office Use Lines in Table | TABLE 001 | 0599 |
|-------------------------------------|---------------------|------|

| LINE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|-----------|-----------|--|---|---|--------------------------------|--------------------------------|-----------------------------|-------------------------|
| | Crop Year | Primary crop for which nutrients were intended | Crop Code [Enter crop code from Respondent Booklet.] | What quantity of manure was applied per acre? | Unit <i>(column 4 only)</i> | Where was the manure produced? | How was the manure handled? | Was a manure test done? |
| | YY | | CODE | | CODE | CODE | CODE | CODE |
| 01 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 02 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 03 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 04 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 05 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 06 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 07 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 08 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 09 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |
| 10 | 42 __ | | | 44 _____ | 45 | 46 | 47 | 48 |

- 1 On this operation
- 2 Purchased
- 3 Obtained at no cost off this operation
- 4 Obtained with compensation
- 5 Commercially prepared manure

- 1 Solid
- 2 Liquid
- 3 Slurry

- 1 Yes
- 2 DK
- 3 No

CODES FOR UNIT COLUMN 10

- 31 lbs/ton
- 121 lbs/1000gals
- 19 lbs of actual nutrients/acre
- 15 lbs/acre-inch
- 29 % by weight

CODES FOR MANURE SOURCE COLUMN 11

- 1 Beef cattle
- 2 Dairy cattle
- 3 Hogs
- 4 Sheep/Goats
- 5 Broiler
- 6 Layer
- 7 Poultry Breeder
- 8 Turkey
- 9 Poultry (other)
- 10 Equine
- 11 Biosolids
- 12 Other (Specify) _____
- 13 Don't Know

CODES FOR APPLICATION COLUMN 15

- 1 Dry broadcast, without incorporation
- 2 Dry broadcast, with incorporation
- 3 Liquid broadcast, without incorporation
- 4 Liquid broadcast, with incorporation
- 5 Chiseled/injected or knifed in
- 6 Furrow or basin irrigated
- 7 Sprinkler irrigated

| LINE | 9 Results from manure analysis test OR actual amount of nutrients applied [Leave this column blank if column 8 = 2 or 3] | | | 10 Unit (column 9 only) [Enter code from box above.] | 11 Major source of manure [Enter code from box above.] | 12 Was manure composted before application? 1 Yes 2 DK 3 No CODE | 13 Composting Method? [Leave this column blank if column 12 = 2 or 3] 1 Windrow 2 Static pile 3 In-Vessel 4 Other | 14 When was this applied? MMDDYY | 15 How was this applied? [Enter code from box above.] | 16 How many acres were treated in this application? ACRES |
|------|--|---|-------------------------------|---|--|---|---|--|---|---|
| | Nitrogen N | Phosphorus P ₂ O ₅ | Potassium K ₂ O | | | | | | | |
| 01 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 02 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 03 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 04 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 05 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 06 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 07 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 08 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 09 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |
| 10 | 49 _ _ _ . | 50 _ _ _ . | 51 _ _ _ . | 52 | 53 | 54 | 55 | 56 _ _ _ _ _ | 57 | 58 _ . |

| EDIT MANURE TABLE | | |
|-------------------|------|------|
| 2013 | 2012 | 2011 |
| 0454 | 0453 | 0452 |

3. **Were the manure application rates to this field influenced by State or local restrictions, by your conservation plan, nutrient management plan (NMP) or your comprehensive nutrient management plan (CNMP)?** [If Yes, enter 1 and continue. If No, enter 3, then go to Item 4.]

0419

a. What nutrient requirement basis was used to determine these manure applications?

| | |
|---|------------|
| 1 | Nitrogen |
| 2 | Phosphorus |

CODE
0420

b. What was the soil test phosphorus level in the field before the manure application occurred? . . .

| Soil Test P | UNIT CODES |
|-------------|------------------------------------|
| 0459 | 1 mg/kg P 2 ppm P 3 lbs/acre |

CODE
0460

4. **Was the use of commercial fertilizers adjusted on this field in years when manure was applied?** [If Yes, enter 1 and continue. If No, enter 3, then go to Item 5.]

0421

a. Was commercial nitrogen reduced? Yes = 1

0422

b. Was commercial phosphorus reduced? Yes = 1

0423

5. **How often do you plan to apply manure to this field in future years?**

| | |
|---|--------------------------------|
| 1 | No plans to apply manure again |
| 2 | At least once per month |
| 3 | 4 times a year |
| 4 | Twice a year |
| 5 | Once a year |
| 6 | Once every 2 years |
| 7 | Once every 3 or more years |

CODE
0424

ENUMERATOR NOTE: [If any of the manure applied on this field was produced on this operation, that is, if a "1" was reported in Section E, Item 2, column 6; continue. If not, go to Item 8.]

6. **Was any manure applied to the selected field produced on this operation?**

CODE
0425

Yes – [Enter 1 and continue.]
 No – [Enter 3, then go to Item 8.]

7. **For each form of manure applied to this field, what type of storage and/or treatment system is used for the bulk of that manure?**

| | Solid | Slurry | Liquid |
|---|------------------------------|--|--|
| 1 | stacking slab (open storage) | 7 concrete or steel tank, basin or pit | 10 single stage lagoon or holding pond |
| 2 | covered slab | 8 earthen storage facility | 11 two stage lagoon system with the second stage being either a lagoon or a holding pond |
| 3 | manure pack | 9 other (Specify) | 12 run off storage pond used only for collection of open-lot run off |
| 4 | barn, shed or house | | 13 other (Specify) |
| 5 | other (Specify) | | |
| 6 | none | | |
| | Code | Code | Code |
| | 0468 | 0469 | 0470 |

CODE
0461

8. **Was an amendment added to manure prior to application, or to the field, in order to enhance nutrient efficiency or reduce environmental impacts?** [For example, aluminum or iron compounds, strong acids, nitrapyrin, or NBPT]. Yes = 1



1. Were any products applied to this field in 2013, 2012, or 2011 to control weeds, insects, or diseases? [Include herbicides, insecticides, fungicides, biocontrol agents, and other conventional or organic products].

| | 2013 | 2012 | 2011 |
|---------|------|------|------|
| Yes = 1 | 0315 | 0345 | 0346 |
| No = 3 | | | |

ENUMERATOR ACTION: [If pesticides applied in any year, continue. Complete table only for year(s) specified, else go to Section G.]

| | | | |
|-------------------|------|------|------|
| Edit Table | 0344 | 0343 | 0342 |
|-------------------|------|------|------|

CODE

- | | | |
|---|---------|------|
| 2. Did you use a pesticide product for the purpose of improving plant health as opposed to controlling a pest? | Yes = 1 | 0347 |
| 3. Did you alter any of your pesticide applications specifically to protect honey bees and/or native pollinators? (For example, utilize an IPM program that specifically protects pollinators, only apply insecticides outside of the bloom period, only apply insecticides at night, etc.) . . . | Yes = 1 | 0348 |
| 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 | 0318 |
| 5. Did you select and plant crop seeds that had been commercially treated with fungicides or insecticides? | Yes = 1 | 0349 |
| 6. Did you select and plant crop cultivars with genetically engineered tolerances to specific herbicides such as glyphosate or glufosinate? | Yes = 1 | 0350 |

ENUMERATOR ACTION: Were any pest control products applied in 2013? [If Yes, continue. If No, go to Item 8b.]

7. Other than cost and product effectiveness, did you consider any other factors in determining which pest control product to use in 2013?

CODE

- Yes – [Enter 1 and continue.] No – [Enter 3, then go to Item 8a.]

| |
|------|
| 0351 |
|------|

a. Which of the following factors did you consider --

| Source | (Select all that apply) Yes = 1 |
|---|------------------------------------|
| Potential health risk to applicator or farm worker? | 0352 |
| Risk to populations of beneficial organisms (earthworms, bees, ladybugs, etc.)? | 0353 |
| Risk to natural resources (drinking water, wildlife, fish, etc.)? | 0354 |
| Pest resistance management? | 0355 |
| Crop safety? | 0356 |
| Other? (specify) _____ | 0357 |



ENUMERATOR NOTE: Were pest control products applied in 2013? [If Yes, continue. If No, go to Item 8b.]

8a. Including both custom applications and applications made by this operation, list all the pest control products used on this field for the 2013 crop(s).

[Probe for applications made in the fall of 2012 (and those made earlier if this field was fallow) for the 2013 crop year.]

| | | | | |
|---|--|------------------------------|--------------|------|
| <p>Include herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.</p> <p>Include biological and botanical pest control products.</p> | <p>Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).</p> | Office Use Lines in Table | TABLE 100 | 0399 |
|---|--|------------------------------|--------------|------|

| PRODUCT NAME | LINE | 1 Crop Year | 2 Primary crop for which control agent was intended | 3 Crop Code <small>[Enter crop code from Respondent Booklet.]</small> | 4 What products were applied to this field? <small>[Enter Product Code from Respondent Booklet.]</small> | 5 Was this product bought in liquid or dry form? <small>[Enter L or D.]</small> | 6 Was this part of a tank mix? <small>[If tank mix, enter line number of first product in mix.]</small> |
|--------------|------|----------------|--|---|--|---|---|
| | 01 | 60 13 | | | 61 | | 63 |
| | 02 | 60 13 | | | 61 | | 63 |
| | 03 | 60 13 | | | 61 | | 63 |
| | 04 | 60 13 | | | 61 | | 63 |
| | 05 | 60 13 | | | 61 | | 63 |
| | 06 | 60 13 | | | 61 | | 63 |
| | 07 | 60 13 | | | 61 | | 63 |
| | 08 | 60 13 | | | 61 | | 63 |
| | 09 | 60 13 | | | 61 | | 63 |
| | 10 | 60 13 | | | 61 | | 63 |
| | 11 | 60 13 | | | 61 | | 63 |
| | 12 | 60 13 | | | 61 | | 63 |
| | 13 | 60 13 | | | 61 | | 63 |
| | 14 | 60 13 | | | 61 | | 63 |
| | 15 | 60 13 | | | 61 | | 63 |

[For pest control products not listed in Respondent Booklet, specify --]

| Line | Pest Control Product Type <small>(Herbicide, Insecticide, Fungicide, etc.)</small> | EPA No. or Tradename and Formulation | Form Purchased <small>(Liquid or Dry)</small> | Where Purchased <small>[Ask only if EPA No. cannot be reported.]</small> |
|-------|---|--------------------------------------|--|---|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

APPLICATION CODES FOR COLUMN 11

| | |
|---|--|
| 4 Seed furrow | 31 Broadcast, aerial |
| 5 Chemigation (in irrigation water) | 32 Broadcast, aerial, foliar |
| 6 Chisel/injected or knifed in | 71 Banded/side-dressed |
| 8 Direct spray, foliar | 73 Banded/side-dressed, foliar |
| 10 Seed treatment by producer prior to planting | 76 T-Banded (combo of banded and injected) |
| 11 Broadcast, ground, not incorporated | |
| 13 Broadcast, ground, foliar | |
| 21 Broadcast, ground, incorporated | |

| LINE | 7 | 8 | OR | 9 | 10 | 11 | 12 | 13 |
|------|------------------------------------|---|----|--|---|---|--|---|
| | When was it applied? MMDDYY | How much was applied per acre per application | | What was the total amount applied per application in this field? | [Enter unit code.] (col. 8 or 9 only) 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams 40 Kilograms 41 Liters | How was this product applied? [Enter code from above.] | Was this product applied to the entire field, to only a portion of the field, or as a spot treatment? 1 Entire field 2 Part of field 3 Spot treatment CODE | How many acres in this field were treated with this product? ACRES |
| 01 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 02 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 03 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 04 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 05 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 06 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 07 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 08 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 09 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 10 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 11 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 12 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 13 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 14 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 15 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |

ENUMERATOR NOTE: Were pest control products applied in 2012? [If **Yes**, continue. If **No**, go to Item 8c.]

8b. Including both custom applications and applications made by this operation, list all the pest control products used on this field for the 2012 crop(s).

[Probe for applications made in the fall of 2011 (and those made earlier if this field was fallow) for the 2012 crop year.]

| | | | | |
|---|--|------------------------------|--------------|------|
| <p>Include herbicides, insecticides, fungicides, defoliant, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.</p> <p>Include biological and botanical control products.</p> | <p>Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).</p> | Office Use Lines in Table | TABLE 200 | 0399 |
|---|--|------------------------------|--------------|------|

| PRODUCT NAME | LINE | 1 Crop Year | 2 Primary crop for which control agent was intended | 3 Crop Code <small>[Enter crop code from Respondent Booklet.]</small> | 4 What products were applied to this field? <small>[Enter Product Code from Respondent Booklet.]</small> | 5 Was this product bought in liquid or dry form? <small>[Enter L or D.]</small> | 6 Was this part of a tank mix? <small>[If tank mix, enter line number of first product in mix.]</small> |
|--------------|------|----------------|--|---|--|---|---|
| | 01 | 60 12 | | | 61 | | 63 |
| | 02 | 60 12 | | | 61 | | 63 |
| | 03 | 60 12 | | | 61 | | 63 |
| | 04 | 60 12 | | | 61 | | 63 |
| | 05 | 60 12 | | | 61 | | 63 |
| | 06 | 60 12 | | | 61 | | 63 |
| | 07 | 60 12 | | | 61 | | 63 |
| | 08 | 60 12 | | | 61 | | 63 |
| | 09 | 60 12 | | | 61 | | 63 |
| | 10 | 60 12 | | | 61 | | 63 |
| | 11 | 60 12 | | | 61 | | 63 |
| | 12 | 60 12 | | | 61 | | 63 |
| | 13 | 60 12 | | | 61 | | 63 |
| | 14 | 60 12 | | | 61 | | 63 |
| | 15 | 60 12 | | | 61 | | 63 |

[For pest control products not listed in Respondent Booklet, specify --]

| Line | Pest Control Product Type <small>(Herbicide, Insecticide, Fungicide, etc.)</small> | EPA No. or Tradename and Formulation | Form Purchased <small>(Liquid or Dry)</small> | Where Purchased <small>[Ask only if EPA No. cannot be reported.]</small> |
|-------|---|--------------------------------------|--|---|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

APPLICATION CODES FOR COLUMN 11

| | |
|---|--|
| 4 Seed furrow | 31 Broadcast, aerial |
| 5 Chemigation (in irrigation water) | 32 Broadcast, aerial, foliar |
| 6 Chisel/injected or knifed in | 71 Banded/side-dressed |
| 8 Direct spray, foliar | 73 Banded/side-dressed, foliar |
| 10 Seed treatment by producer prior to planting | 76 T-Banded (combo of banded and injected) |
| 11 Broadcast, ground, not incorporated | |
| 13 Broadcast, ground, foliar | |
| 21 Broadcast, ground, incorporated | |

| LINE | 7 | 8 | OR | 9 | 10 | 11 | 12 | 13 |
|------|------------------------------------|--|----|--|---|---|--|---|
| | When was it applied? MMDDYY | How much was applied per acre per application? | | What was the total amount applied per application in this field? | [Enter unit code.] (col. 8 or 9 only) 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams 40 Kilograms 41 Liters | How was this product applied? [Enter code from above.] | Was this product applied to the entire field, to only a portion of the field, or as a spot treatment? 1 Entire field 2 Part of field 3 Spot treatment CODE | How many acres in this field were treated with this product? ACRES |
| 01 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 02 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 03 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 04 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 05 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 06 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 07 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 08 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 09 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 10 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 11 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 12 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 13 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 14 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 15 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |

ENUMERATOR NOTE: Were pest control products applied in 2011? [If Yes, continue. If No, go to Section G.]

8c. Including both custom applications and applications made by this operation, list all the pest control products used on this field for the 2011 crop(s).

[Probe for applications made in the fall of 2010 (and those made earlier if this field was fallow) for the 2011 crop year.]

| | | | | |
|--|--|------------------------------|--------------|------|
| <p>Include herbicides, insecticides, fungicides, defoliant, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.</p> <p>Include biological and botanical pest control products.</p> | <p>Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).</p> | Office Use Lines in Table | TABLE 300 | 0399 |
|--|--|------------------------------|--------------|------|

| PRODUCT NAME | LINE | 1 Crop Year | 2 Primary crop for which control agent was intended | 3 Crop Code <small>[Enter crop code from Respondent Booklet.]</small> | 4 What products were applied to this field? <small>[Show Product Code from Respondent Booklet.]</small> | 5 Was this product bought in liquid or dry form? <small>[Enter L or D.]</small> | 6 Was this part of a tank mix? <small>[If tank mix, enter line number of first product in mix.]</small> |
|--------------|------|----------------|--|---|---|---|---|
| | 01 | 60 11 | | | 61 | | 63 |
| | 02 | 60 11 | | | 61 | | 63 |
| | 03 | 60 11 | | | 61 | | 63 |
| | 04 | 60 11 | | | 61 | | 63 |
| | 05 | 60 11 | | | 61 | | 63 |
| | 06 | 60 11 | | | 61 | | 63 |
| | 07 | 60 11 | | | 61 | | 63 |
| | 08 | 60 11 | | | 61 | | 63 |
| | 09 | 60 11 | | | 61 | | 63 |
| | 10 | 60 11 | | | 61 | | 63 |
| | 11 | 60 11 | | | 61 | | 63 |
| | 12 | 60 11 | | | 61 | | 63 |
| | 13 | 60 11 | | | 61 | | 63 |
| | 14 | 60 11 | | | 61 | | 63 |
| | 15 | 60 11 | | | 61 | | 63 |

[For pest control products not listed in Respondent Booklet, specify --]

| Line | Pest Control Product Type <small>(Herbicide, Insecticide, Fungicide, etc.)</small> | EPA No. or Tradename and Formulation | Form Purchased <small>(Liquid or Dry)</small> | Where Purchased <small>[Ask only if EPA No. cannot be reported.]</small> |
|-------|---|--------------------------------------|--|---|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

APPLICATION CODES FOR COLUMN 11

| | |
|---|--|
| 4 Seed furrow | 31 Broadcast, aerial |
| 5 Chemigation (in irrigation water) | 32 Broadcast, aerial, foliar |
| 6 Chisel/injected or knifed in | 71 Banded/side-dressed |
| 8 Direct spray, foliar | 73 Banded/side-dressed, foliar |
| 10 Seed treatment by producer prior to planting | 76 T-Banded (combo of banded and injected) |
| 11 Broadcast, ground, not incorporated | |
| 13 Broadcast, ground, foliar | |
| 21 Broadcast, ground, incorporated | |

| LINE | 7 | 8 | OR | 9 | 10 | 11 | 12 | 13 |
|------|------------------------------------|--|----|--|---|---|--|---|
| | When was it applied? MMDDYY | How much was applied per acre per application? | | What was the total amount applied per application in this field? | [Enter unit code.] (col. 8 or 9 only) 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams 40 Kilograms 41 Liters | How was this product applied? [Enter code from above.] | Was this product applied to the entire field, to only a portion of the field, or as a spot treatment? 1 Entire field 2 Part of field 3 Spot treatment CODE | How many acres in this field were treated with this product? ACRES |
| 01 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 02 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 03 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 04 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 05 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 06 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 07 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 08 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 09 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 10 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 11 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 12 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 13 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 14 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |
| 15 | 83 | 65 | | 73 | 74 | 76 | 84 | 77 |



Now I have some questions about the pest management decisions and practices used on this field during the 2013 crop year. By pests, we mean INSECTS, WEEDS, and PLANT DISEASES.

1. During 2013, how was this field primarily scouted for pests and/or beneficial organisms?.....

- 1 By conducting general observations while performing routine tasks. [Enter 1, then go to Item 3.]
- 2 By deliberately going to the field specifically for scouting activities. [Enter 2, then go to Item 2.]
- 3 This field was not scouted for pests. [Enter 3, then go to Item 8.]

CODE

1701

2. Was an established scouting process used in this field (systematic sampling, recording counts, use of insect traps, etc.)?..... Yes = 1

1702

3. Was scouting for pests done in this field due to:

- a. a pre-determined schedule or calendar?..... Yes = 1
- b. a pest development model based on degree days, maximum or minimum temperatures, or wetness?..... Yes = 1
- c. a pest advisory warning?..... Yes = 1

1773

1703

1704

4. Was this field scouted for:

| 1 | 2 [If column 1 = Yes, Ask--] | | 3 [If column 1 = Yes, Ask--] |
|---------------------------|---------------------------------|--|--|
| | Yes = 1 | CODE | CODE |
| | | Who did the majority of the scouting for [column 1]— 1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout | Based on the scouting report and compared to published threshold levels, rate the pest pressure as— 1 Low 2 Medium 3 High |
| a. weeds?..... | 1705 | 1709 | 1774 |
| b. insects or mites?..... | 1706 | 1710 | 1775 |
| c. diseases?..... | 1707 | 1711 | 1776 |
| d. other? (Specify) _____ | 1708 | 1712 | 1777 |

CODE

5. Was scouting for pests done in the field after a pest control application to evaluate degree of control?..... Yes = 1

1778

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

1713

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

1714



| | | CODE |
|--|---------|------|
| 8. Were field mapping data used for making weed management decisions on this field? | Yes = 1 | 1715 |
| 9. Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis for this field? | Yes = 1 | 1716 |

10. Did you conduct any of the following activities for the crops grown in 2013 SPECIFICALLY for the purpose of managing pests or reducing the spread of pests --

| | | CODE |
|---|---------|------|
| a. Remove, plow down, or burn any crop or crop residue? | Yes = 1 | 1717 |
| b. Alter crop rotation? | Yes = 1 | 1718 |
| c. Maintain ground covers, mulches, or other physical barriers? | Yes = 1 | 1719 |
| d. Use no-till or minimum till? | Yes = 1 | 1720 |
| e. Adjust spacing or plant density? | Yes = 1 | 1721 |
| f. Release beneficial organisms (insects, nematodes, fungi) in the field? | Yes = 1 | 1722 |
| g. Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways or fence lines? .. | Yes = 1 | 1723 |
| h. Grow a trap crop? | Yes = 1 | 1724 |
| i. Clean equipment and field implements after completing field work? | Yes = 1 | 1725 |
| j. Cultivate for weed control during the growing season? | Yes = 1 | 1727 |
| k. Choose crop variety because of specific resistance to a pest? | Yes = 1 | 1728 |
| l. Choose not to plant a crop in certain areas of the field to avoid a specific pest? | Yes = 1 | 1779 |
| m. Adjust planting or harvesting dates? | Yes = 1 | 1730 |

| | | CODE |
|---|---------|------|
| 11. Were weather data used to assist in determining either the 'need for' or 'when to' apply a pest management practice? | Yes = 1 | 1731 |
| 12. Other than pesticide applicator training, have you (the operator) attended any training sessions on pest identification and management in the past 3 years? | Yes = 1 | 1746 |
| 13. Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field? | Yes = 1 | 1756 |

| Completion Code for Pest Management Data | |
|--|------|
| 1 – Incomplete/Refusal | 1700 |

H IRRIGATION---SELECTED FIELD H

ENUMERATOR NOTE: [Ask ONLY if irrigation was reported in **Section C. Cropping History and Conservation Practices, Item 13 = Yes** on pages 8, 9, or 10. If no irrigation was reported for any crop years in **Section C**, go to **Section I.**]

1. Now, I have some questions about the irrigation of this field for the [years of irrigation] crop(s).

a. What type of irrigation system(s) were used to irrigate this field?

[Show System Type Codes in **Respondent Booklet**. If more than 1 system was used, enter System Type Code for the system most-used during the irrigation season as the Primary System and the next most-used system during the irrigation season as the Secondary System. If only 1 type of system was used, report under the Primary System and then skip to Item 1b.]

| | 2013 SYSTEM TYPE | 2012 SYSTEM TYPE | 2011 SYSTEM TYPE |
|---|---------------------|---------------------|---------------------|
| (i) Primary Irrigation System. Code | 1505 | 1506 | 1507 |
| (ii) Secondary Irrigation System. Code | 1511 | 1513 | 1515 |
| (iii) What was the estimated date that primary and secondary irrigation systems were switched? (MMDDYY) | 1512 | 1514 | 1516 |

b. Were any major changes made to the way the field was irrigated during the period 2011 – 2013? (**Include** irrigation system type, source of water, and major changes to scheduling or monitoring). **Yes = 1** 1593

ENUMERATOR NOTE: [If an irrigation system reported in 1a for any year is a gravity system (code 10-19) then continue; else, go to Item 4.]

2. What gravity irrigation system source was used?

- 1 furrow
- 2 border
- 3 basin
- 4 contour levee
- 5 meadow or wild flood

| | 2013 | 2012 | 2011 |
|-----------------------|------|------|------|
| Primary System Code | 1508 | 1509 | 1510 |
| Secondary System Code | 1517 | 1518 | 1519 |

3. Did you take steps to allow for or encourage quicker water advance rates to the end of the field, such as shortening runs, furrow smoothing, higher flow rates, narrow checks, tailwater recovery systems, etc.? **Yes = 1**

| | 2013 | 2012 | 2011 |
|--|------|------|------|
| | 1520 | 1521 | 1522 |

4. Is there a limit on the maximum amount of irrigation water that may be applied to the field? **Yes = 1** 1540

[If **Yes**, continue. If **No**, go to Item 5.]

a. What was the annual limit? **Inches** Amount/Acre
1541

5. Has the irrigation water supply been tested for either nitrogen content or salinity? **Yes = 1** 1542

[If **Yes**, continue. If **No**, go to **ENUMERATOR NOTE**.]

Please provide the following information for the last test performed on this field:

| | Salinity Test Value | Unit 1 = ppm 2 = mg/L 3 = microseimens/cm | Nitrate-Nitrogen (NO ₃ -N) Test Value | Unit 1 = ppm 2 = mg/L |
|---------------------------|------------------------|--|--|-----------------------------|
| a. Surface Water. | 1543 | 1544 | 1547 | 1548 |
| b. Groundwater. | 1545 | 1546 | 1549 | 1550 |

ENUMERATOR NOTE: [If irrigation system reported in Item 1a, for any year, is a pressure system (code 1 – 9), then continue; else, go to Item 7.]



6. Did you take steps to evaluate or improve the uniformity of water application of your pressure system? Yes = 1

| | 2013 | 2012 | 2011 |
|---|------|------|------|
| 7. Is the irrigation runoff from the field primarily: [See Respondent Booklet for codes.] Code | 1536 | 1537 | 1538 |

8. Which of the following are sources of your irrigation water? (Select all that apply)

| | | |
|-------------------------------|---------|------|
| a. Well? | Yes = 1 | 1552 |
| b. Irrigation district? | Yes = 1 | 1553 |
| c. River or stream? | Yes = 1 | 1554 |
| d. Other? Specify: _____ | Yes = 1 | 1555 |

[If Item 8b = 1, continue; else go to Item 10.]

9. Which one of the following best describes how you receive your water from the irrigation district?

| | | |
|---|---------|------|
| a. I receive it when it's my turn. | Yes = 1 | 1556 |
| b. I receive it by calling one or more days ahead of when I want it. | Yes = 1 | 1557 |
| c. I receive it any time I want it. | Yes = 1 | 1558 |

10. Does the source of your water limit your selection of irrigation methods, such as a conversion to a pressurized system? Yes = 1

11. Which of the following are ways you decide when to irrigate? (Select all that apply)

| | | |
|---|---------|------|
| a. When plants appear dry or stressed? | Yes = 1 | 1560 |
| b. When indicated by the calendar or schedule of field operations? | Yes = 1 | 1561 |
| c. When water is available? | Yes = 1 | 1562 |
| d. On the surface soil appearance or feel, or general current climate observations? | Yes = 1 | 1563 |
| e. When a target "dryness" value, such as inches depleted, centibars of tension, percent remaining, etc., from soil moisture monitoring devices is reached? | Yes = 1 | 1564 |
| f. When a target water use value, such as inches of ET since last irrigation, from rootzone water budget and current weather data (CIMIS) is reached? | Yes = 1 | 1568 |
| g. When a target measured plant stress level, such as pressure bomb, canopy temperature, etc., is reached? | Yes = 1 | 1569 |
| h. Other? Specify: _____ | Yes = 1 | 1570 |

12. Which of the following are ways you decide how long or how much to run the water on each set? (Select all that apply)

| | | |
|--|---------|------|
| a. Observe when the right amount of time has passed, the furrows or border checks appear to be adequately wet, or the water has reached the end of the field? | Yes = 1 | 1574 |
| b. Run times based on past experience and schedule of required field operations? | Yes = 1 | 1575 |
| c. Sets or blocks are changed when the target number of inches or gallons, per tree or vine, are applied? (May be calculated from the run time and flow rate.) | Yes = 1 | 1576 |
| d. Other? Specify: _____ | Yes = 1 | 1577 |





13. Do you know how much water you applied to the crop(s) in this field?

Yes = 1

1578

[If Yes, continue. If No, go to Item 15.]

14. Which of the following are ways you determine how much water is applied?

(Select all that apply)

1579

1580

1582

1583

1584

1585

1586

1587

a. Irrigation district record, report, or bill? Yes = 1

b. A flow measuring device? Yes = 1

c. Measuring the flows to the field? Yes = 1

d. Measuring the flows at the water supply? Yes = 1

e. The runtime plus a known system application rate? Yes = 1

f. A pump test flow rate and runtime? Yes = 1

g. Other? Specify: _____ Yes = 1

15. Do you know how much water the crop(s) removed from the soil?

Yes = 1

[If Yes, continue. If No, go to Item 17.]

16. How did you determine how much water the crop(s) removed from the soil? (Select all that apply)

1588

1589

1590

1591

a. The current (real-time) climate-based measurements such as CIMIS? Yes = 1

b. Historic ET data through CIMIS, Cooperative Extension publications, etc.? Yes = 1

c. Tracking root zone soil moisture changes with electronic probes or other devices? Yes = 1

d. Other? Specify: _____ Yes = 1

17. In addition to replacing water used by the crop, which of the following were reasons you irrigated: (Select all that apply)

1592

1594

1595

1596

1597

1598

a. Pre-planting irrigation to refill rootzone? Yes = 1

b. Apply moisture for seed germination and emergence? Yes = 1

c. Freeze protection or crop cooling? Yes = 1

d. To apply fertilizer or other chemicals? Yes = 1

e. Ground water recharge? Yes = 1

f. Other? Specify: _____ Yes = 1

18. Were other practices used to improve water applications? Yes = 1

1533

[If Yes, please list practices. See Respondent Booklet.]

1565

1566

1567

19. Do you manage irrigation to address salinity problems in this field? Yes = 1

1539

| Completion Code for Irrigation | 2013 | 2012 | 2011 |
|--------------------------------|------|------|------|
| | 1504 | 1503 | 1502 |



FIELD OPERATIONS---SELECTED FIELD

1. Including custom operations, I need to list the operations performed by hand or machines on this field for the 2013, 2012, and 2011 crop years.

- Begin with the first field operation for the 2013 crop (after harvesting of 2012 crop.)
- List the operations in order by crop year, through harvest.
- Maintain the order of tandem hook-ups.
- Include field operations performed by hand.

a. Let's start with the 2013 crops.

| | | |
|------------------------------|------------------|------|
| Office Use Lines in Table | TABLE 100 | 0499 |
|------------------------------|------------------|------|

CHECK LIST

| | |
|--|---|
| <p>Include all field work done by hand or using machines for--</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Land Forming <input type="checkbox"/> Tillage <input type="checkbox"/> Preparing for Irrigation before seeding <input type="checkbox"/> Custom Operations </div> <div style="width: 48%;"> <input type="checkbox"/> Planting <input type="checkbox"/> Harvesting <input type="checkbox"/> Hauling within field <input type="checkbox"/> Residue Management </div> </div> | <p>Exclude all field work done by hand or using machines for--</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Lime & Gypsum applications <input type="checkbox"/> Fertilizers, Manure & Pesticides applications <input type="checkbox"/> Hauling from field edge to storage </div> </div> |
|--|---|

| LINE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|------|-----------|-----------------|--|--|--|---|---|---|--|
| | Crop Year | Sequence Number | Was this part of a tandem operation? [If Yes, record the sequence order of equipment] | What crop was associated with this operation? CROP NAME | Crop Code [Record from Respondent Booklet.] CODE | What operation or equipment was used on this field? | Machine Code [Record from Respondent Booklet.] CODE | What was the timing of the field operation? MMDDYY | What was the depth of tillage for tillage/planting operations? INCHES |
| 01 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 02 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 03 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 04 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 05 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 06 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 07 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 08 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 09 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 10 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 11 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 12 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 13 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 14 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 15 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |
| 16 | 86 13 | 87 | 98 | | | | 88 | 96 ----- | 97 _____ |

| | |
|-----------------------------------|------|
| 2013 EDIT FIELD OPERATIONS | 3004 |
|-----------------------------------|------|

b. Now let's continue with the 2012 crop year.

- Begin with the first field operation for the 2012 crop (after harvesting of 2011 crop.)

| | | | | | | Office Use Lines in Table | TABLE 200 | 0499 | |
|---|-----------|-----------------|--|--|--|---|---|---|--|
| CHECK LIST | | | | | | | | | |
| Include all field work done by hand or using machines for-- <input type="checkbox"/> Land Forming <input type="checkbox"/> Planting <input type="checkbox"/> Tillage <input type="checkbox"/> Harvesting <input type="checkbox"/> Preparing for Irrigation before seeding <input type="checkbox"/> Hauling within field <input type="checkbox"/> Custom Operations <input type="checkbox"/> Residue Management | | | | | Exclude all field work done by hand or using machines for-- <input type="checkbox"/> Lime & Gypsum applications <input type="checkbox"/> Fertilizers, Manure & Pesticides applications <input type="checkbox"/> Hauling from field edge to storage | | | | |
| LINE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Crop Year | Sequence Number | Was this part of a tandem operation? [If Yes, record the sequence order of equipment] | What crop was associated with this operation? CROP NAME | Crop Code [Record from Respondent Booklet.] CODE | What operation or equipment was used on this field? | Machine Code [Record from Respondent Booklet.] CODE | What was the timing of the field operation? MMDDYY | What was the depth of tillage for tillage/planting operations? INCHES |
| 01 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 02 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 03 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 04 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 05 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 06 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 07 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 08 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 09 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 10 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 11 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 12 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 13 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 14 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 15 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 16 | 86 12 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 2012 EDIT FIELD OPERATIONS | | | | | | | | 3003 | |

c. Please answer the following for the 2011 crop year.

- Begin with the first field operation for the 2011 crop (after harvesting of 2010 crop.)

| | | | | | | Office Use Lines in Table | TABLE 300 | 0499 | |
|---|-----------|-----------------|--|--|--|---|---|--|--|
| CHECK LIST | | | | | | | | | |
| Include all field work done by hand or using machines for-- <input type="checkbox"/> Land Forming <input type="checkbox"/> Planting <input type="checkbox"/> Tillage <input type="checkbox"/> Harvesting <input type="checkbox"/> Preparing for Irrigation before seeding <input type="checkbox"/> Hauling within field <input type="checkbox"/> Custom Operations <input type="checkbox"/> Residue Management | | | | | Exclude all field work done by hand or using machines for-- <input type="checkbox"/> Lime & Gypsum applications <input type="checkbox"/> Fertilizers, Manure & Pesticides applications <input type="checkbox"/> Hauling from field edge to storage | | | | |
| LINE | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | Crop Year | Sequence Number | Was this part of a tandem operation? [If Yes, record the sequence order of equipment] | What crop was associated with this operation? CROP NAME | Crop Code [Record from Respondent Booklet.] CODE | What operation or equipment was used on this field? | Machine Code [Record from Respondent Booklet.] CODE | What was the timing of the field operation? MMDYY | What was the depth of tillage for tillage/planting operations? INCHES |
| 01 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 02 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 03 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 04 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 05 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 06 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 07 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 08 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 09 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 10 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 11 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 12 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 13 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 14 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 15 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 16 | 86 11 | 87 | 98 | | | | 88 | 96 _____ | 97 _____ |
| 2011 EDIT FIELD OPERATIONS | | | | | | | | 3002 | |



J

WHOLE FARM

J

TOTAL ACRES IN THIS OPERATING ARRANGEMENT

Now I'm going to ask you a few general questions about your entire operation. (Include the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land. Include land in other states.)

1. During the 2013 crop year, how many total acres did this operation:

| | | ACRES |
|--|---|---------------|
| a. own? | + | 1901 |
| b. rent FROM others? (<i>Exclude land used on an AUM basis.</i>) | + | 1902 |
| c. rent TO others? (<i>Include privately owned/rented land administered by a public agency through exchange-of-use.</i>) | - | 1903 |
| 2. Then the TOTAL acres in this operation including the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land is: [Total of 1a + 1b - 1c]? | = | 1904 |
| a. Have I accounted for the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land in this operation? | | |
| <input type="checkbox"/> Yes - [Continue] <input type="checkbox"/> No - [Make corrections, then continue.] | | |
| 3. Of the total (Item 2) acres operated, how many acres are considered cropland, including land in hay and cropland in government programs? | | 1905 |



K

OPERATOR AND OPERATION CHARACTERISTICS

K

1. In 2013, was this operation's LEGAL STATUS

| | |
|--|--------------|
| 1 Individual (<i>Sole/family Proprietorship</i>)? 2 A legal Partnership? 3 A Family-held Corporation? 4 A Non-family Corporation? 5 Other, (<i>including estates, trusts and cooperatives</i>)? <i>Describe</i> _____ | CODE 1912 |
|--|--------------|

2. In 2013, what was your (*the operator's*) major occupation?

| | |
|---|--------------|
| 1 Farm or ranch work 2 Hired farm manager 3 Something else 4 Retired | CODE 1913 |
|---|--------------|

3. What is the *highest* level of formal education you (*the operator*) have completed?

| | |
|--|--------------|
| 1 Less than a high school diploma 2 High school diploma or equivalency (GED) 3 Some college 4 Completed a 4 year degree (BA or BS) 5 Graduate school | CODE 1914 |
|--|--------------|

4. In what year did you (*the operator*) begin making day-to-day decisions for any farm/ranch? . . .

| |
|--------------|
| YYYY 1915 |
|--------------|

5. Now I would like to classify the total acres operated in terms of total gross value of sales.

Considering--

- all crops sold,
- all livestock, poultry (*including commercial broilers*), and products (*milk, eggs, etc.*) sold,
- all sales of crops, livestock or poultry, produced under contract,
- all sales of any miscellaneous agricultural products,
- all government payments received, and
- landlord's share of government payments and crops sold in 2012.

What code represents the total gross value of sales for this operation in 2012?

- 99 None during 2012
- 1 \$1 - \$999
- 2 \$1,000 - \$2,499
- 3 \$2,500 - \$4,999
- 4 \$5,000 - \$9,999
- 5 \$10,000 - \$24,999
- 6 \$25,000 - \$49,999
- 7 \$50,000 - \$99,999
- 8 \$100,000 - \$249,999
- 9 \$250,000 - \$499,999
- 10 \$500,000 - \$999,999
- 11 \$1,000,000 - \$2,499,999
- 12 \$2,500,000 - \$4,999,999
- 13 \$5,000,000 and over



| |
|--------------|
| CODE 1916 |
|--------------|

6. Of the farm income reported, which of these categories represents the largest portion of the gross income from the operation?

| |
|--------------|
| CODE 1917 |
|--------------|

FARM TYPE CODES

| | |
|--|--|
| 1 GRAINS, OILSEEDS and DRY BEANS | 9 HOGS and PIGS |
| 2 TOBACCO | 10 MILK and OTHER DAIRY PRODUCTS FROM COWS |
| 3 COTTON and COTTONSEED | 11 CATTLE and CALVES |
| 4 VEGETABLES, MELONS and POTATOES | 12 SHEEP, GOATS, and THEIR PRODUCTS |
| 5 FRUIT TREES, NUTS, GRAPES, CITRUS, and BERRIES | 13 HORSES, PONIES and MULES |
| 6 NURSERY, GREENHOUSE, FLORICULTURE and SOD | 14 POULTRY and EGGS |
| 7 CUT CHRISTMAS TREES and SHORT WOODY CROPS | 15 AQUACULTURE |
| 8 OTHER CROPS and HAY, CRP and PASTURE | 16 OTHER ANIMALS and OTHER ANIMAL PRODUCTS |

CONCLUDE INTERVIEW and THANK the RESPONDENT

CONCLUSION

RECORDS USE

1. Did respondent use farm/ranch records to report:

- a. **fertilizer data?**..... Yes = 1
- b. **pest control data?**..... Yes = 1
- c. **manure data?**..... Yes = 1

CODE

| |
|------|
| 0026 |
| 0027 |
| 0028 |

2. Did the respondent use a Conservation Plan to complete **Section B?**..... Yes = 1

CODE

| |
|------|
| 0029 |
|------|

SUPPLEMENTS USED

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

- FERTILIZER APPLICATIONS
- PEST CONTROL APPLICATIONS
- FIELD OPERATIONS
- MANURE APPLICATIONS
- CROP HISTORY SUPPLEMENT

NUMBER

| |
|------|
| 0030 |
| 0031 |
| 0032 |
| 0033 |
| 0034 |

MILITARY TIME
HHMM

ENDING TIME [MILITARY].....

| |
|------|
| 0005 |
|------|

TOTAL HOURS

| |
|------|
| 0006 |
|------|

| | | | | | |
|------------------|--------|-------|-----|-----|-----|
| Respondent Name: | 9911 | 9910 | MM | DD | YY |
| | Phone: | Date: | ___ | ___ | ___ |

OFFICE USE ONLY

| Response | Respondent | Mode | Enum. | Eval. | R. Unit | Change | Office Use for POID | | | | | | |
|------------------|------------|-------------|-------|----------------|---------|--------|---------------------|------|------|-------|------|------|------|
| 1-Comp | 9901 | 1-Op/Mgr | 9902 | 1-Mail | 9903 | 0098 | 0100 | 0921 | 0785 | 0789 | | | |
| 2-R | | 2-Sp | | 2-Tel | | | | | | ----- | | | |
| 3-Inac | | 3-Acct/Bkpr | | 3-Face-to-Face | | | | | | ----- | | | |
| 4-Office Hold | | 4-Partner | | 4-CATI | | | | | | ----- | | | |
| 5-R – Est | | 9-Oth | | 5-Web | | | | | | ----- | | | |
| 6-Inac – Est | | | | 6-e-mail | | | | | | ----- | | | |
| 7-Off Hold – Est | | | | 7-Fax | | | | | | ----- | | | |
| 8-Known Zero | | | | 8-CAPI | | | | | | ----- | | | |
| | | | | 19-Other | | | | | | ----- | | | |
| | | | | | | | | | | 0407 | 0408 | 9906 | 9916 |

| |
|----------|
| S/E Name |
|----------|