NATIONAL AGRICULTURAL STATISTICS SERVICE

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Conservation Effects Assessment Project (CEAP) 2005

Form Approved
O.M.B Number 0535-0245
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Project Code 912

NRCS Natural Resources Conservation Service

Farm Service Agency

VERSION	CEAP ID	TRACT	SUBTRACT	T-TYPE	TABLE	LINE
1	_ _ _ _ _ _ _ _ _ _	01	01	0	000	00

CONTACT RECORD		
DATE	TIME	NOTES

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

The National Agricultural Statistic Service is collecting information on land management and conservation practices that will be used by the Natural Resources Conservation Service (NRCS, formerly SCS) and the Farm Service Agency (FSA, formerly ASCS) to assess the environmental benefits associated with implementation and installation of conservation practices. The assessment will be used to report progress annually on the Farm Bill implementation to Congress and the general public. We need your help to make the information as accurate as possible. Authority for collection of information on the Conservation Effects Assessment Project Report is Title 7, Section 2204 of the U.S. Code. Response to this survey is confidential and voluntary.

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

0001
1

H H M M

BEGINNING TIME
[MILITARY]

0004 _ _ _ _ _ _ _ _

OFFICE USE

Matched ARMS	ARMS II ID
0008	0012 _ _ _ _ _ _ _ _ _ _

OFFICE USE: LSF CHANGE

0009 _

☐ [*Name and address verified and updated if necessary.]*

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

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

☐ YES ☐ NO

[If YES, continue. If NO, conclude the interview and ask for the respondent's assistance in locating the correct operator.]

SCREENING

2. **Did you make the day-to-day farming/ranching decisions for this field in [*year*]--** . . . . . **YES=1**

2004	2003
0010	0011

3. **Are the day-to-day decisions for this (name on label) operation made by one individual, partners, or a hired manager?**

- ☐ Individual -*[Enter **1**]*
- ☐ Partners -*[Enter **number of partners (2-5)**, involved in the day-to-day decisions, including the operator.]*
- ☐ A hired manager -*[Enter **8**]*

CODE 0921

[If code is 1 or 8, go to Item 5, otherwise continue.]

4. **Please identify the other person(s) in this partnership:**

OFFICE USE				**OFFICE USE**			
POID ___ ___ ___ ___ ___ ___ ___ ___ ___				**POID** ___ ___ ___ ___ ___ ___ ___ ___ ___			
PARTNER NAME				*PARTNER NAME*			
ADDRESS				*ADDRESS*			
CITY	*STATE*	*ZIP*	*PHONE NUMBER*	*CITY*	*STATE*	*ZIP*	*PHONE NUMBER*
OFFICE USE				**OFFICE USE**			
POID ___ ___ ___ ___ ___ ___ ___ ___ ___				**POID** ___ ___ ___ ___ ___ ___ ___ ___ ___			
PARTNER NAME				*PARTNER NAME*			
ADDRESS				*ADDRESS*			
CITY	*STATE*	*ZIP*	*PHONE NUMBER*	*CITY*	*STATE*	*ZIP*	*PHONE NUMBER*

5. **During 2005, was the entire field enrolled in the Conservation Reserve Program (CRP General Sign-up Only)?**

- ☐ **YES – [*Enter 1 and continue with Item 5a.]***
- ☐ **NO – [*Enter 3 and go to Section A.*]** . . . . . .

CODE 0014

a. What is the CRP sign up number for this field?
[*Show respondent general CRP sign up numbers from Respondent Booklet.*]. . . . . **NUMBER** 0015

b. What is the CRP contract number?
[*Enter contract number and go to Conclusion.*]. . . . . **NUMBER** 0016

A FIELD CHARACTERISTICS---SELECTED FIELD A

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

For purposes of this survey, the actual field where the NRI 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**. [*With the respondent, draw off the entire area that can be identified as the selected 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 be captured during the survey also. [*With the respondent, draw off any conservation practices that are adjacent to or adjoin the selected field. Include the selected field.*] For CEAP purposes, this area is referred to as the **conservation area of interest.**

During this interview, the questions will be about this SELECTED FIELD and/or the surrounding areas in conservation practices. We will call this the CONSERVATION AREA OF INTEREST.

1. **In 2005, how many acres in the conservation area containing the sample point were --**

			ACRES
a.	planted or cropped (*including hay acres harvested*) (*selected field*)?	+	0017 ____
b.	in field borders, grassed waterways, buffers, and other uses associated with conservation practices but not cropped?	+	0018 ____
c.	idle cropland, summer fallow, or rotational pasture (*selected field*)?	+	0019 ____
d.	fruit, citrus, nursery, or floriculture crops?	+	0020 ____
e.	permanent pasture?	+	0021 ____
f.	non-ag (*such as dwellings, buildings, structures, roads, and woodland and wasteland not in a conservation practice*)?	+	0022 ____

2. **So the TOTAL acres in the conservation area (1a + 1b + 1c + 1d + 1e + 1f) are** = ACRES 0023 ____

[**ENUMERATOR NOTE:** ***If any acres are reported in 1a (cropped) or 1c (idle cropland, summer fallow, or rotational pasture) continue, else, go to Conclusion.]***

3. **During 2005, was any portion of the 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 0732

☐ **YES** [*Enter 1.*]

☐ **NO** [*Enter 3.*]

4. **Were the acres in this field** (reported in 1a or 1c) --

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?

2005	2004	2003
0504	0503	0502

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 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
- Nutrient Management Plan or Comprehensive Nutrient Management Plan
- Other written plan

	CODE
☐ **YES** [*Enter 1 and continue with Item 1a.*]	
☐ **DON'T KNOW –** [*Enter 2 and go to Item 2.*]	0701
☐ **NO –** [*Enter 3 and go to Item 2.*]	

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

a. **Does the written plan include any of the following?**

		CODE
(1) Practices to reduce soil erosion?	**YES=1**	0702
(2) Nutrient management plan practices?	**YES=1**	0703
(3) Pest management plan practices?	**YES=1**	0704
(4) Irrigation water management plan practices?	**YES=1**	0705
(5) Wildlife habitat enhancement practices?	**YES=1**	0706
(6) Manure management and handling practices?	**YES=1**	0771

2. **Did you receive cost share or incentive payments in 2005, 2004, or 2003 for any conservation practices implemented on this field or conservation area?**
[*Be sure to include payments for establishing grassed waterways and filter strips or riparian buffers on or adjoining the field.*]

	CODE
☐ **YES –** [*Enter 1 and continue.*]	0707
☐ **NO –** [*Enter 3 and go to Item 3.*]	

a. If YES, for what program?

	YES=1 (Mark all that apply)
Conservation Security Program (CSP)	0772
CRP	0708
WRP	0709
EQIP	0710
State Programs	0711
Other (specify) _____	0712
Don't Know	0713

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

- **a Conservation Plan for this field/conservation area?** [*Ask **only** if there is a written conservation plan for the field, Item 1 = 1, YES.]*

  ☐ YES – *[Check box and go to 3a below.]*

  ☐ NO – *[Check box and continue.]*

- **conservation practices currently in place on this field/conservation area?**

  ☐ YES – *[Check box and continue.]*

  ☐ NO – *[Check box and 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	**YES=1** *[Mark all that apply.]*	**Were you charged for the service?** **YES=1**	**Which of these was your PRIMARY source of assistance?** *[Select ONLY 1.]* **YES=1**
NRCS (formerly SCS).	0714	0720	0726
Conservation District.	0715	0721	0727
Technical Service Providers (Private Sector).	0716	0722	0728
University Extension.	0717	0723	0729
State Agencies.	0718	0724	0730
Other (Identify:_____)	0719	0725	0731

Completion Code for Conservation Plan	
1 – Incomplete/Refusal	0700

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

CODE REFERENCE FOR SECTION C, TILLAGE TABLE

Section C, Item 1, Line 2

Intended Use
1 Dual (grain/grazing)
2 Grain
3 Grazing Only
4 Cover Crop
5 Other (specify)_____
6 Hay
7 Human Consumption
8 Silage/Haylage
9 Seed Only
10 Nurse Crop

Section C, Item 1, Line 5a

Unit Codes for Seeding Rate or Yield
1 Pounds
2 Cwt (hundredweight)
3 Tons
4 Bushels
5 Other (specify)_____
23 50-lb bag
25 Kernels
38 Seeds per foot
41 Plants/transplants

Section C, Item 1, Line 7a & 10a

Unit Codes for Yield
1 Pounds
2 Cwt (hundredweight)
3 Tons
4 Bushels
5 Other (specify)_____
6 Barrels

Section C, Item 1, Line 14

Livestock
1 Cattle
2 Sheep
3 Goats
4 Horses
5 Other (specify)_____

Section C, Item 1, Line 19. . . . . .

SCHEDULING CODES
1 Condition of crop (observation)
2 Soil moisture by feel
3 Use of soil moisture sensing devices (such as moisture blocks or tensiometers)
4 Use of plant moisture sensing devices (such as pressure (chamber) bomb or infrared (IR) thermometer
5 Use of irrigation scheduling service (including commercial and government)
6 Reports on daily crop-weather evapo-transpiration (ET) use (Internet, newspapers, radio, TV, fax, or email)
7 Water delivered by irrigation organization in turn (no choice by water user)
8 Personal calendar schedule
9 Computer simulation models (not from a commercial service)
10 When neighbors begin to irrigate
11 Other (specify)_____

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 double cropping, multiple cropping, replanting of same crop and if stripped cropped, all crops in the stripped crop scheme. [*Use a separate column for each use of the field in each year.*])

Let's begin with the 2005 crop year. What was the:		**2005**	**2005**	**2005**
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 page 6]***	**Code**	1006	1038	1070
3. Acres planted? *[Include previous planted crops.]*	**Acres**	1007 .___	1039 .___	1071 .___
4. Date planted? (mmddyy)	**Date**	1008 _ _ _ _ _ _	1040 _ _ _ _ _ _	1072 _ _ _ _ _ _
5. Seeding Rate/Acre?	**Number**	1009 .___	1041 .___	1073 .___
a. Unit: ***[See page 6]***	**Code**	1010	1042	1074
6. Row Width (*for row crops*)?	**Inches**	1011 .___	1043 .___	1075 .___
7. **Expected** yield/acre at planting (yield goal)?	**Number**	1012 .___	1044 .___	1076 .___
a. Unit: ***[See page 6]***	**Code**	1013	1045	1077
8. Type of tillage used? 1 = no till, strip till (direct seed) 2 = ridge till **(Select from list.)** 3 = mulch till 4 = conventional till	**Code**	1014	1046	1078
9. Acres harvested?	**Acres**	1015 .___	1047 .___	1079 .___
a. Date harvested? (mmddyy)	**Date**	1016 _ _ _ _ _ _	1048 _ _ _ _ _ _	1080 _ _ _ _ _ _
10. **Actual** yield at harvest/acre?	**Number**	1017 .___	1049 .___	1081 .___
a. Unit: ***[See page 6]***	**Code**	1018	1050	1082
11. Acres abandoned?	**Acres**	1019 .___	1051 .___	1083 .___
12. Was straw or stubble harvested? If **YES** enter 1, and continue. If **NO**, enter 3, and go to 13.	**YES=1**	1020	1052	1084
a. How many acres were harvested for straw or stubble?	**Acres**	1021 .___	1053 .___	1085 .___
b. What was the remaining stubble height after harvest?	**Inches**	1022 .___	1054 .___	1086 .___
13. Was the field grazed? If **YES** enter 1 and continue. If **NO**, enter 3 and go to 17.	**YES=1**	1023	1055	1087
14. What type of livestock grazed the field (primarily)? ***[See page 6]***	**Code**	1024	1056	1088
15. 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?	**#/Head**	1026	1058	1090
16. 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?	**# of Days**	1028	1060	1092
17. Was this crop irrigated? If **YES** enter 1 and continue. If **NO**, enter 3 and go to page 8, 2004 crops.	**YES=1**	1029	1061	1093
18. What was the total amount of water applied?* If unknown, ask 18a and 18b.	**Number**	1030	1062	1094
Unit: **1=Inches per acre** **2=Total acre feet** (for the field)	**Code**	1031	1063	1095
a. What was the **total** number of **hours** the irrigation system was used to apply water during the growing season?	**Total Hours**	1032	1064	1096
b. How many gallons per minute were applied, on average?	**Number**	1033	1065	1097
19. What method was used to schedule timing and quantity of irrigation? ***[See page 6]***	**Code**	1034	1066	1098
20. Did a preplant irrigation occur?	**YES=1**	1035	1067	1099
21. What was the total number of times this entire field was irrigated during the growing season?	**Number**	1036	1068	1100
			2005 EDIT CROPPING TABLE	1004

* Include preplant irrigation. Exclude irrigation for climate control (frost or cooling) and salinity management.

Let's continue with the 2004 crop year. What was the:		**2004**	**2004**	**2004**
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 page 6]***	**Code**	1102	1134	1166
3. Acres planted? *[Include previous planted crops.]*	**Acres**	1103 .___	1135 .___	1167 .___
4. Date planted? (mmddyy)	**Date**	1104 _ _ _ _ _ _	1136 _ _ _ _ _ _	1168 _ _ _ _ _ _
5. Seeding Rate/Acre?	**Number**	1105 .___	1137 .___	1169 .___
a. Unit: ***[See page 6]***	**Code**	1106	1138	1170
6. Row Width (*for row crops*)?	**Inches**	1107 .___	1139 .___	1171 .___
7. **Expected** yield/acre at planting (yield goal)?	**Number**	1108 .___	1140 .___	1172 .___
a. Unit: ***[See page 6]***	**Code**	1109	1141	1173
8. Type of tillage used? 1 = no till, strip till (direct seed) 2 = ridge till **(Select from list.)** 3 = mulch till 4 = conventional till	**Code**	1110	1142	1174
9. Acres harvested?	**Acres**	1111 .___	1143 .___	1175 .___
a. Date harvested? (mmddyy)	**Date**	1112 _ _ _ _ _ _	1144 _ _ _ _ _ _	1176 _ _ _ _ _ _
10. **Actual** yield at harvest/acre?	**Number**	1113 .___	1145 .___	1177 .___
a. Unit: ***[See page 6]***	**Code**	1114	1146	1178
11. Acres abandoned?	**Acres**	1115 .___	1147 .___	1179 .___
12. Was straw or stubble harvested? If **YES** enter 1, and continue. If **NO**, enter 3, and go to 13.	**YES=1**	1116	1148	1180
a. How many acres were harvested for straw or stubble?	**Acres**	1117 .___	1149 .___	1181 .___
b. What was the remaining stubble height after harvest?	**Inches**	1118 .___	1150 .___	1182 .___
13. Was the field grazed? If **YES** enter 1 and continue. If **NO**, enter 3 and go to 17.	**YES=1**	1119	1151	1183
14. What type of livestock grazed the field (primarily)? ***[See page 6]***	**Code**	1120	1152	1184
15. 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?	**#/Head**	1122	1154	1186
16. 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?	**# of Days**	1124	1156	1188
17. Was this crop irrigated? If **YES** enter 1 and continue. If **NO**, enter 3 and go to page 9, 2003 crops.	**YES=1**	1125	1157	1189
18. What was the total amount of water applied?* If unknown, ask 18a and 18b.	**Number**	1126	1158	1190
Unit: **1=Inches per acre** **2=Total acre feet** (for the field)	**Code**	1127	1159	1191
a. What was the **total** number of **hours** the irrigation system was used to apply water during the growing season?	**Total Hours**	1128	1160	1192
b. How many gallons per minute were applied, on average?	**Number**	1129	1161	1193
19. What method was used to schedule timing and quantity of irrigation? ***[See page 6]***	**Code**	1130	1162	1194
20. Did a preplant irrigation occur?	**YES=1**	1131	1163	1195
21. What was the total number of times this entire field was irrigated during the growing season?	**Number**	1132	1164	1196

2004 EDIT CROPPING TABLE	1003

* Include preplant irrigation. Exclude irrigation for climate control (frost or cooling) and salinity management.

Let's finish up with the 2003 crop year. What was the:	**2003**	**2003**	**2003**	**2003**
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 page 6]***	**Code**	1198	1230	1262
3. Acres planted? *[Include previous planted crops.]*	**Acres**	1199 .___	1231 .___	1263 .___
4. Date planted? (mmddyy)	**Date**	1200 _ _ _ _ _ _	1232 _ _ _ _ _ _	1264 _ _ _ _ _ _
5. Seeding Rate/Acre?	**Number**	1201 .___	1233 .___	1265 .___
a. Unit: ***[See page 6]***	**Code**	1202	1234	1266
6. Row Width (*for row crops*)?	**Inches**	1203 .___	1235 .___	1267 .___
7. **Expected** yield/acre at planting (yield goal)?	**Number**	1204 .___	1236 .___	1268 .___
a. Unit: ***[See page 6]***	**Code**	1205	1237	1269
8. Type of tillage used? 1 = no till, strip till (direct seed) 2 = ridge till **(Select from list**.) 3 = mulch till 4 = conventional till	**Code**	1206	1238	1270
9. Acres harvested?	**Acres**	1207 .___	1239 .___	1271 .___
a. Date harvested? (mmddyy)	**Date**	1208 _ _ _ _ _ _	1240 _ _ _ _ _ _	1272 _ _ _ _ _ _
10. **Actual** yield at harvest/acre?	**Number**	1209 .___	1241 .___	1273 .___
a. Unit: ***[See page 6]***	**Code**	1210	1242	1274
11. Acres abandoned?	**Acres**	1211 .___	1243 .___	1275 .___
12. Was straw or stubble harvested? If **YES** enter 1, and continue. If **NO**, enter 3, and go to 13.	**YES=1**	1212	1244	1276
a. How many acres were harvested for straw or stubble?	**Acres**	1213 .___	1245 .___	1277 .___
b. What was the remaining stubble height after harvest?	**Inches**	1214 .___	1246 .___	1278 .___
13. Was the field grazed? If **YES** enter 1 and continue. If **NO**, enter 3 and go to 17.	**YES=1**	1215	1247	1279
14. What type of livestock grazed the field (primarily)? ***[See page 6]***	**Code**	1216	1248	1280
15. 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?	**#/Head**	1218	1250	1282
16. 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?	**# of Days**	1220	1252	1284
17. Was this crop irrigated? If **YES** enter 1 and continue. If **NO**, go to Item 2.	**YES=1**	1221	1253	1285
18. What was the total amount of water applied?* If unknown, ask 18a and 18b.	**Number**	1222	1254	1286
Unit: **1=Inches per acre** **2=Total acre feet** (for the field)	**Code**	1223	1255	1287
a. What was the **total** number of **hours** the irrigation system was used to apply water during the growing season?	**Total Hours**	1224	1256	1288
b. How many gallons per minute were applied, on average?	**Number**	1225	1257	1289
19. What method was used to schedule timing and quantity of irrigation? ***[See page 6]***	**Code**	1226	1258	1290
20. Did a preplant irrigation occur?	**YES=1**	1227	1259	1291
21. What was the total number of times this entire field was irrigated during the growing season?	**Number**	1228	1260	1292

2003 EDIT CROPPING TABLE	1002

* Include preplant irrigation. Exclude irrigation for climate control (frost or cooling) and salinity management.

2. [If Item C 1 line 8=4, conventional till, ask-] **which of the reasons listed best explain why conservation tillage practices were not used?** (*Mark up to 3 that apply each year.*). . . . . .

1	Lack of equipment
2	Lack of information on how to manage crop production using conservation tillage
3	Problems with soil (cold/wet)
4	Problems with insect control
5	Problems with weed control
6	Problems with disease control
7	Other (*specify*)_____

	2005	2004	2003
. . . .	1293	1304	1315
	1294	1305	1316
	1295	1306	1317

3. **During crop years 2005, 2004, or 2003--**

		2005	2004	2003
a. **Was variable rate technology (VRT) used for seeding on this field?**	YES=1	1296	1307	1318
b. **Was there (will there be) a yield monitor on the equipment used to harvest this field?**.	YES=1	1297	1308	1319

[*If YES, continue; if NO go to Item c.*]

(1) Was there (will there be) a yield map produced from this harvest using information from the yield monitor?.	YES=1	1298	1309	1320
c. **Was a GPS (Global Positioning System) device used to geo-reference and/or produce a map of the soil properties of this field (such as soil nitrate levels, pH, etc.)?**.	YES=1	1299	1310	1321

[*If Item c=YES, continue; if NO, go to Item 4.*]

(1) Was a map (or will a map be) produced based on soil tests from this field?.	YES=1	1300	1311	1322
(2) Was a map (will a map be) produced based on a machine that measured electrical conductivity of the soil (e.g., Veris machine)?.	YES=1	1301	1312	1323
4. **Did you practice contour farming on this field?**.	YES=1	1302	1313	1324
5. **Did you practice strip cropping on this field?**.	YES=1	1303	1314	1325

6. **Is there currently gully erosion on this field?**. . . . . YES=1 1326

7. **Is the field adjacent to a water body, intermittent stream or wetland?**. . . . . YES=1 1327

8. **In 2005, did this field have any of the following conservation practices? If YES, then record total acres in practice.** [*May or may not be included in the conservation plan.*]

	ACRES		ACRES
☐ a.Terraces?.	1328 .___	☐ f. Stream side herbaceous buffer?	1334 .___
(1) Were these terraces— 1=primarily grassland? 2=primarily cropped? **CODE**	1329	☐ g. Windbreak or herbaceous wind barrier?.	1335 .___
		☐ h. Contour buffers (in-field)?.	1336 .___
	ACRES		
☐ b.Grassed waterways?.	1330 .___	☐ i. Field borders?.	1337 .___
☐ c. Vegetative buffers (in-field)?.	1331 .___	☐ j. Filter strips?.	1338 .___
☐ d.Hedgerow plantings?.	1332 .___	☐ k. Critical area planting?.	1339 .___
☐ e.Stream side forest buffer?.	1333 .___	☐ l. Grade stabilization structure?.	1340 .___

9. **Does this field have subsurface (tile) drainage?** . . . . . **YES=1** | 1341 |

10. **Does this field have surface drainage structures?** . . . . . **YES=1** | 1342 |

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

☐ **YES –** ***[Enter 1 and continue.]***

☐ **NO –** ***[Enter 3 and go to Item 12.]*** . . . . . | **CODE** 1343 |

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, 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**
1st year of rotation		1344	1351	1358
2nd year of rotation		1345	1352	1359
3rd year of rotation		1346	1353	1360
4th year of rotation		1347	1354	1361
5th year of rotation		1348	1355	1362
6th year of rotation		1349	1356	1363
7th year of rotation		1350	1357	1364
8th year of rotation		2039	2434	2442
9th year of rotation		2040	2435	2443
10th year of rotation		2041	2436	2444
11th year of rotation		2042	2437	2445
12th year of rotation		2043	2438	2446
13th year of rotation		2044	2439	2447
14th year of rotation		2045	2440	2448
15th year of rotation		2046	2441	2449

b. **Was the crop rotation done for:**
[*Mark all that* apply.]

Insect Control?	**YES=1**	1365
Weed Control?	**YES=1**	1366
Disease Control?	**YES=1**	1367
Nutrient Enrichment?	**YES=1**	1368
Erosion Control?	**YES=1**	1369
Market Risk Management?	**YES=1**	1370
Soil Quality?	**YES=1**	1371
Livestock Feeding/Grazing?	**YES=1**	1372
Wildlife Habitat Enhancement?	**YES=1**	1373
Other (specify)?_____	**YES=1**	1403

12. **Was a soil test performed on this field to determine crop nutrient application needs?**

CODE

☐ **YES** [*Enter 1 and continue.*] 1374

☐ **NO** [*Enter 3 and go to Section D.*]

YEAR

13. **What year was the last soil test performed on this field?** 1375 ____

14. **Please provide the following information for the last soil test performed on this field.**

1 **Crop**	**2** **Crop Code**	**3** **Recommended nitrogen rate** lbs./acre	**4** **Recommended phosphorus rate** lbs./acre	**5** **Recommended potash rate** lbs./acre	**6** **Recommended lime rate** lbs./acre (ton=2000 lbs.)
	1376	1380	1384	1388	1392
	1377	1381	1385	1389	1393
	1378	1382	1386	1390	1394
	1379	1383	1387	1391	1395

D COMMERCIAL FERTILIZER APPLICATIONS---SELECTED FIELD D

1. **Were commercial FERTILIZERS, including sulfur, applied to this field for:**

		Code	Edit Table
a. **the 2005 crop?**	**YES = 1 NO = 3**	0221	0234
b. **Did you use any product to slow the breakdown of nitrogen on this field in 2005?** (For example a nitrification inhibitor such as N-Serve or a unrease inhibitor such as Agrotain.)	**YES = 1 NO = 3**	0222	

		Code	Edit Table
c. **the 2004 crop?**	**YES = 1 NO = 3**	0235	0233
d. **Did you use any product to slow the breakdown of nitrogen on this field in 2004?** (For example a nitrification inhibitor such as N-Serve or a unrease inhibitor such as Agrotain.)	**YES = 1 NO = 3**	0236	

		Code	Edit Table
e. **the 2003 crop?**	**YES = 1 NO = 3**	0237	0232
f. **Did you use any product to slow the breakdown of nitrogen on this field in 2003?** (For example a nitrification inhibitor such as N-Serve or a unrease inhibitor such as Agrotain.)	**YES = 1 NO = 3**	0238	

[**ENUMERATOR ACTION:** *If COMMERCIAL fertilizer applied in any year, continue with the year specific table, else go to Section E.*]

☐ Was fertilizer applied in 2005? [*If **YES** continue. If **NO** go to item 2b.*]

2a. **Now I need to record information for each fertilizer application for the 2005 crop.**
[Probe for applications made in the fall of 2004 (and those made earlier if this field was fallow) for the 2005 crop year.]

CHECKLIST	
INCLUDE	**EXCLUDE**
☐ Custom applied fertilizers	☐ Micronutrients
☐ Commercially prepared manure	☐ Unprocessed manure
☐ Sulfur	☐ Lime

	T-TYPE 2	TABLE 100
Line 99	Office use Lines in table	0220

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 percentage analysis if known, otherwise actual pounds of plant nutrients applied per acre.* *[Show Common Fertilizers in Respondent Booklet.]*				5 What quantity was applied per acre? [*Leave this column blank if actual nutrients were reported.*]	6 [*Enter material code.*] *1 Pounds 3 Tons 12 Gallons 19 Pounds of actual nutrients*
				Nitrogen N	Phosphorus P_2O_5	Potassium K_2O	Sulfur S		
01	**05**		0204	0205	0206	0207	0239	0208	0209
02	**05**		0204	0205	0206	0207	0239	0208	0209
03	**05**		0204	0205	0206	0207	0239	0208	0209
04	**05**		0204	0205	0206	0207	0239	0208	0209
05	**05**		0204	0205	0206	0207	0239	0208	0209
06	**05**		0204	0205	0206	0207	0239	0208	0209
07	**05**		0204	0205	0206	0207	0239	0208	0209
08	**05**		0204	0205	0206	0207	0239	0208	0209
09	**05**		0204	0205	0206	0207	0239	0208	0209
10	**05**		0204	0205	0206	0207	0239	0208	0209
11	**05**		0204	0205	0206	0207	0239	0208	0209
12	**05**		0204	0205	0206	0207	0239	0208	0209
13	**05**		0204	0205	0206	0207	0239	0208	0209
14	**05**		0204	0205	0206	0207	0239	0208	0209

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 in or over row
8 Foliar or directed spray

MANURE SOURCE CODES FOR COLUMN 12

1 Beef cattle
2 Dairy cattle
3 Hogs
4 Sheep
5 Poultry
6 Equine
7 Biosolids
8 Other (*specify*)_____
9 Don't Know

LINE	7 **When was this applied?** **MMDDYY**	8 **How was this applied?** [*Enter code from box above.*]	9 **How many acres were treated in this application?** **ACRES**	10 **Was variable rate technology (VRT) used?** [*Include "on-the-go" sensing.*] **YES=1**	11 **Was the fertilizer applied commercially prepared manure?** [*If YES, answer column 5 & 6]* **YES=1**	12 ***Ask ONLY if Column 11 = 1*** **What was the source of the manure?** [*Enter code from box above.*]	13 ***Ask ONLY if Column 11 = 1*** **Was bedding material included in the manure?** **1 YES** **2 DON'T KNOW** **3 NO**	14 ***Ask ONLY if Column 11 = 1*** **Was the manure composted before application?** **1 YES** **2 DON'T KNOW** **3 NO**
01	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
02	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
03	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
04	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
05	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
06	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
07	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
08	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
09	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
10	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
11	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
12	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
13	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
14	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219

☐ Was fertilizer applied in 2004? [*If **YES** continue. If **NO** go to item 2c.*]

2b. **Now I need to record information for each fertilizer application for the 2004 crop.**
[Probe for applications made in the fall of 2003 (and those made earlier if this field was fallow) for the 2004 crop year.]

CHECKLIST	
INCLUDE	**EXCLUDE**
☐ Custom applied fertilizers	☐ Micronutrients
☐ Commercially prepared manure	☐ Unprocessed manure
☐ Sulfur	☐ Lime

	T-TYPE 2	TABLE 200
Line 99	Office use Lines in table	0220

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 percentage analysis if known, otherwise actual pounds of plant nutrients applied per acre.* *[Show Common Fertilizers in Respondent Booklet.]*				5 What quantity was applied per acre? [*Leave this column blank if actual nutrients were reported.*]	6 [*Enter material code.*] *1 Pounds 3 Tons 12 Gallons 19 Pounds of actual nutrients*
				Nitrogen N	Phosphorus P_2O_5	Potassium K_2O	Sulfur S		
01	**04**		0204	0205	0206	0207	0239	0208	0209
02	**04**		0204	0205	0206	0207	0239	0208	0209
03	**04**		0204	0205	0206	0207	0239	0208	0209
04	**04**		0204	0205	0206	0207	0239	0208	0209
05	**04**		0204	0205	0206	0207	0239	0208	0209
06	**04**		0204	0205	0206	0207	0239	0208	0209
07	**04**		0204	0205	0206	0207	0239	0208	0209
08	**04**		0204	0205	0206	0207	0239	0208	0209
09	**04**		0204	0205	0206	0207	0239	0208	0209
10	**04**		0204	0205	0206	0207	0239	0208	0209
11	**04**		0204	0205	0206	0207	0239	0208	0209
12	**04**		0204	0205	0206	0207	0239	0208	0209
13	**04**		0204	0205	0206	0207	0239	0208	0209
14	**04**		0204	0205	0206	0207	0239	0208	0209

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 in or over row
8 Foliar or directed spray

MANURE SOURCE CODES FOR COLUMN 12

1 Beef cattle
2 Dairy cattle
3 Hogs
4 Sheep
5 Poultry
6 Equine
7 Biosolids
8 Other (*specify*)_____
9 Don't Know

LINE	7 **When was this applied?** **MMDDYY**	8 **How was this applied?** [*Enter code from box above.*]	9 **How many acres were treated in this application?** **ACRES**	10 **Was variable rate technology (VRT) used?** [*Include "on-the-go" sensing.*] **YES=1**	11 **Was the fertilizer applied commercially prepared manure?** [*If YES, answer column 5 & 6]* **YES=1**	12 ***Ask ONLY if Column 11 = 1*** **What was the source of the manure?** [*Enter code from box above.*]	13 ***Ask ONLY if Column 11 = 1*** **Was bedding material included in the manure?** **1 YES** **2 DON'T KNOW** **3 NO**	14 ***Ask ONLY if Column 11 = 1*** **Was the manure composted before application?** **1 YES** **2 DON'T KNOW** **3 NO**
01	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
02	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
03	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
04	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
05	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
06	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
07	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
08	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
09	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
10	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
11	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
12	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
13	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
14	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219

☐ Was fertilizer applied in 2003? [*If **YES** continue. If **NO** go to Section E.*]

2c. **Now I need to record information for each fertilizer application for the 2003 crop.**
[Probe for applications made in the fall of 2002 (and those made earlier if this field was fallow) for the 2003 crop year.]

CHECKLIST	
INCLUDE	**EXCLUDE**
☐ Custom applied fertilizers	☐ Micronutrients
☐ Commercially prepared manure	☐ Unprocessed manure
☐ Sulfur	☐ Lime

	T-TYPE 2	TABLE 300
Line 99	Office use Lines in table	0220

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 percentage analysis if known, otherwise actual pounds of plant nutrients applied per acre.* *[Show Common Fertilizers in Respondent Booklet.]*				5 What quantity was applied per acre? [*Leave this column blank if actual nutrients were reported.*]	6 [*Enter material code.*] *1 Pounds 3 Tons 12 Gallons 19 Pounds of actual nutrients*
				Nitrogen N	Phosphorus P_2O_5	Potassium K_2O	Sulfur S		
01	**03**		0204	0205	0206	0207	0239	0208	0209
02	**03**		0204	0205	0206	0207	0239	0208	0209
03	**03**		0204	0205	0206	0207	0239	0208	0209
04	**03**		0204	0205	0206	0207	0239	0208	0209
05	**03**		0204	0205	0206	0207	0239	0208	0209
06	**03**		0204	0205	0206	0207	0239	0208	0209
07	**03**		0204	0205	0206	0207	0239	0208	0209
08	**03**		0204	0205	0206	0207	0239	0208	0209
09	**03**		0204	0205	0206	0207	0239	0208	0209
10	**03**		0204	0205	0206	0207	0239	0208	0209
11	**03**		0204	0205	0206	0207	0239	0208	0209
12	**03**		0204	0205	0206	0207	0239	0208	0209
13	**03**		0204	0205	0206	0207	0239	0208	0209
14	**03**		0204	0205	0206	0207	0239	0208	0209

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 in or over row
8 Foliar or directed spray

MANURE SOURCE CODES FOR COLUMN 12

1 Beef cattle
2 Dairy cattle
3 Hogs
4 Sheep
5 Poultry
6 Equine
7 Biosolids
8 Other(*specify*)_____
9 Don't Know

LINE	7 **When was this applied?** **MMDDYY**	8 **How was this applied?** [*Enter code from box above.*]	9 **How many acres were treated in this application?** **ACRES**	10 **Was variable rate technology (VRT) used?** [*Include "on-the-go" sensing.*] **YES=1**	11 **Was the fertilizer applied commercially prepared manure?** [*If YES, answer column 5 & 6]* **YES=1**	12 ***Ask ONLY if Column 11 = 1*** **What was the source of the manure?** [*Enter code from box above.*]	13 ***Ask ONLY if Column 11 = 1*** **Was bedding material included in the manure?** **1 YES** **2 DON'T KNOW** **3 NO**	14 ***Ask ONLY if Column 11 = 1*** **Was the manure composted before application?** **1 YES** **2 DON'T KNOW** **3 NO**
01	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
02	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
03	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
04	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
05	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
06	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
07	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
08	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
09	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
10	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
11	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
12	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
13	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219
14	0210 __ __ __ __ __ __	0211	0212 .___	0215	0216	0217	0218	0219

E MANURE APPLICATIONS---SELECTED FIELD E

1. **Was manure applied to this field for the 2005, 2004, or 2003 crop year?**
Manure applications include effluents from waste lagoons, waste holding ponds, and waste runoff storage ponds. (***Exclude*** *commercially prepared manure if included in Section D.*)

T-TYPE	TABLE	LINE
0	000	00

[Probe for applications made in the fall of 2002, 2003 and 2004 (and those made earlier if this field was fallow) for the 2003, 2004, and 2005 crop years respectively.]

CODE

☐ **YES –** [*Enter 1 and continue.*]
☐ **NO –** [*Enter 3 and go to Section F.*] 0418

	T-TYPE	TABLE
	4	001
LINE 99	OFFICE USE LINES IN TABLE	0417

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

LINE	1 Crop Year	2 Primary crop for which nutrients were intended	3 Crop Code CODE	4 What quantity of manure was applied per acre?	5 Unit (column 4 only) 1 Pounds 3 Tons 12 Gallons	6 Where was the manure produced? 1 On this operation 2 Purchased 3 Obtained at no cost off this operation 4 Obtained with compensation CODE	7 How was the manure handled? 1 Solid 2 Liquid 3 Slurry CODE	8 Was a manure test done? 1 YES 2 DON'T KNOW 3 NO CODE
01	0403 __ __		0404	0408	0409	0407	0416	0455
02	0403 __ __		0404	0408	0409	0407	0416	0455
03	0403 __ __		0404	0408	0409	0407	0416	0455
04	0403 __ __		0404	0408	0409	0407	0416	0455
05	0403 __ __		0404	0408	0409	0407	0416	0455
06	0403 __ __		0404	0408	0409	0407	0416	0455
07	0403 __ __		0404	0408	0409	0407	0416	0455
08	0403 __ __		0404	0408	0409	0407	0416	0455
09	0403 __ __		0404	0408	0409	0407	0416	0455
10	0403 __ __		0404	0408	0409	0407	0416	0455

`

CODES FOR MANURE SOURCE COLUMN 11
1 Beef cattle 2 Dairy cattle 3 Hogs 4 Sheep 5 Poultry 6 Equine 7 Biosolids 8 Other (*specify*)_____ 9 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 [N, P_2O_5] applied.		10 Unit (*column 9 only*)	11 Major source of manure [*Enter code from box above.*]	12 Was bedding material included in the manure? 1 YES 2 DON'T KNOW 3 NO	13 Was manure composted before application? 1 YES 2 DON'T KNOW 3 NO	14 When was this applied?	15 How was this applied? [*Enter code from box above.*]	16 How many acres were treated in this application?
	Nitrogen **N**	Phosphorus **P_2O_5**	31 lbs/ton 121 lbs/1000gals 19 actual nutrients				**MMDDYY**		**ACRES**
01	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
02	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
03	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
04	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
05	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
06	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
07	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
08	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
09	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____
10	0405	0406	0456	0413	0414	0415	0410 __ __ __ __ __ __	0411	0412 .____

T-TYPE	TABLE	LINE	EDIT MANURE TABLE		
			2005	2004	2003
0	000	00	0454	0453	0452

TYPE 0	TABLE 000	LINE 00

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)?** 0419
[*If YES, enter 1 and continue; If NO, go to Item 4.]* **YES = 1**

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

1 Nitrogen
2 Phosphorus

. . . . . **CODE** 0420

4. **Was the use of commercial fertilizers reduced on this field in years when manure was applied?** . . . . . **YES = 1** 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 year
3 Once every 2 years
4 Once every 3 years
5 Once every 4 years
6 Once every 5 or more years

. . . . . **CODE** 0424

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

☐ **YES –** [*Enter 1 and continue.*]
☐ **NO –** [*Enter 3 and go to Section F.*] . . . . . **CODE** 0425

7. **What type of manure storage system is used for the bulk of manure that is produced on this operation?** . . . . . .

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** 0426

8. **What is the frequency of applications of manure produced on the operation?**

(use codes from box at right)				
	Spring	**Summer**	**Fall**	**Winter**
Solid	0427	0428	0429	0430
Slurry	0431	0432	0433	0434
Liquid	0435	0436	0437	0438

. . . . . **FREQUENCY**

1 daily
2 weekly
3 monthly
4 quarterly
5 twice annually
6 annually
7 every 3 years
8 biweekly
9 every 2 years
10 every other day

F PESTICIDE APPLICATIONS---SELECTED FIELD F

1. **Were any herbicides, insecticides, fungicides or other chemicals applied to this field for the 2005, 2004, or 2003 crops?** For each year enter:. . . . .

	2005	2004	2003
YES = 1 NO = 3	0315	0345	0346
Edit Table	0344	0343	0342

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

2. **Were weather data used to assist in determining the 'need for', or 'timing of' when to make pesticide applications?**. . . . . **YES = 1** 0316

3. **Were any biological pesticides such as Bt (Bacillus thuringiensis), insect growth regulators, neem, or other natural/biologically based products sprayed or applied to manage pests?** *[Exclude use of Bt corn or cotton seed.]*. . . . . **YES = 1** 0317

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. **In 2005, were the pesticides applied to this field based MOSTLY on—** [*Enter one code.*]. . . . . **CODE** 0319

PESTICIDE APPLICATION DECISION CODE LIST

1 Preventive schedule – Routine treatments?
2 Scouting data compared to published threshold guidelines?
3 Scouting data and your established thresholds?
4 Field mapping or GPS data on pests?
5 Recommendations from a chemical dealer?
6 Recommendations from an independent crop consultant?
7 Recommendations from University extension?
8 Recommendations from a neighbor?
10 Other (*specify)*___________________________

a. **Other than cost and product effectiveness, identify the 2 most important factors that determined which pesticide to use in 2005**. . . . .

PESTICIDE RISK DECISION CODE LIST

(SELECT TWO)

1 Potential health risk to humans
2 Risk to populations of beneficial organisms (earthworms, bees, ladybugs, etc.)
3 Risk to natural resources (wildlife, fish, etc.)
4 Pest resistance management
5 Crop safety
7 Other (*specify)*___________________________

PRIMARY CODE 0320

SECONDARY CODE 0321

☐ Were chemicals applied in 2005? [*If **YES** continue. If **NO** go to item 8b.*]

8a. **Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2005 crop(s).**

[*Probe for appications made in the fall of 2004 (and those made earlier if this field was fallow) for the 2005 crop year.]*

***Include** herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematicides, rodenticides, soil fumigants, and seed treatments.*

***Include** biological and botanical pesticides.*

***Exclude** fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).*

	T-TYPE	TABLE
	3	100
Line 99	Office use Lines in table	0314

CHEMICAL PRODUCT NAME	LINE	1 Crop Year	2 Primary crop for which pesticides were intended	3 Crop Code [*Enter crop code from Respondent Booklet.*]	4 What products were applied to this field? [*Show product codes from Respondent Booklet.*]	5 Was this product bought in liquid or dry form? [*Enter L or D.*]	6 Was this part of a tank mix? [*If tank mix, enter line number of first product in mix.*]
	01	**05**		0304	0305		0306
	02	**05**		0304	0305		0306
	03	**05**		0304	0305		0306
	04	**05**		0304	0305		0306
	05	**05**		0304	0305		0306
	06	**05**		0304	0305		0306
	07	**05**		0304	0305		0306
	08	**05**		0304	0305		0306
	09	**05**		0304	0305		0306
	10	**05**		0304	0305		0306
	11	**05**		0304	0305		0306
	12	**05**		0304	0305		0306
	13	**05**		0304	0305		0306
	14	**05**		0304	0305		0306
	15	**05**		0304	0305		0306

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

Line	Pesticide Type (*Herbicide, Insecticide, Fungicide, etc.)*	EPA No. or Tradename and Formulation	Form Purchased (Liquid or Dry)	Where Purchased [*Ask only if EPA No. cannot be reported.*]
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

APPLICATION CODES FOR COLUMN 11	
4 Seed Furrow 5 Chemigation (in irrigation water) 6 Chisel/Injected or knifed in 8 Direct spray, foliar 10 Seed Treatment by producer prior to planting 11 Broadcast, ground, not incorporated 12 Broadcast, ground, w/hood, not incorporated 13 Broadcast, ground, foliar 21 Broadcast, ground, incorporated 22 Broadcast, ground, w/hood, incorporated 31 Broadcast, aerial 32 Broadcast, aerial, folliar	71 Banded/Side-dressed 72 Banded/Side-dressed, w/hood 73 Banded/Side-dressed, foliar 76 T-Banded (Combo of banded and injected) SPOT TREATMENTS: [***If Column 11 = 91, 92, or 93 (spot treatment), then Columns 8 and 12 must be blank.***] 91 Spot treatment 92 Spot treatment, w/hood 93 Spot treatment, foliar

LINE	7 When was it applied? MMDDYY	8 OR 9 How much was applied per acre per application?	8 OR 9 What was the total amount applied per application in this field?	10 [*Enter unit code.*] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	11 How was this Product Applied? [*Enter code from above.*]	12 How many acres in this field were treated with this product? ACRES
01	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
02	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
03	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
04	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
05	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
06	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
07	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
08	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
09	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
10	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
11	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
12	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
13	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
14	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
15	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____

☐ Were chemicals applied in 2004? [*If **YES** continue. If **NO** go to item 8c.*]

8b. **Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2004 crop(s).**

[*Probe for appications made in the fall of 2003 (and those made earlier if this field was fallow) for the 2004 crop year.)*

***Include** herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematicides, rodenticides, soil fumigants, and seed treatments.*

***Include** biological and botanical pesticides.*

***Exclude** fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).*

	T-TYPE	TABLE
	3	200
Line 99	Office use Lines in table	0314

CHEMICAL PRODUCT NAME	LINE	1 Crop Year	2 Primary crop for which pesticides were intended	3 Crop Code [*Enter crop code from Respondent Booklet.*]	4 What products were applied to this field? [*Show product codes from Respondent Booklet.*]	5 Was this product bought in liquid or dry form? [*Enter L or D.*]	6 Was this part of a tank mix? [*If tank mix, enter line number of first product in mix.*]
	01	**04**		0304	0305		0306
	02	**04**		0304	0305		0306
	03	**04**		0304	0305		0306
	04	**04**		0304	0305		0306
	05	**04**		0304	0305		0306
	06	**04**		0304	0305		0306
	07	**04**		0304	0305		0306
	08	**04**		0304	0305		0306
	09	**04**		0304	0305		0306
	10	**04**		0304	0305		0306
	11	**04**		0304	0305		0306
	12	**04**		0304	0305		0306
	13	**04**		0304	0305		0306
	14	**04**		0304	0305		0306
	15	**04**		0304	0305		0306

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

Line	Pesticide Type (*Herbicide, Insecticide, Fungicide, etc.)*	EPA No. or Tradename and Formulation	Form Purchased (Liquid or Dry)	Where Purchased [*Ask only if EPA No. cannot be reported.*]
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

APPLICATION CODES FOR COLUMN 11	
4 Seed Furrow 5 Chemigation (in irrigation water) 6 Chisel/Injected or knifed in 8 Direct spray, foliar 10 Seed Treatment by producer prior to planting 11 Broadcast, ground, not incorporated 12 Broadcast, ground, w/hood, not incorporated 13 Broadcast, ground, foliar 21 Broadcast, ground, incorporated 22 Broadcast, ground, w/hood, incorporated 31 Broadcast, aerial 32 Broadcast, aerial, folliar	71 Banded/Side-dressed 72 Banded/Side-dressed, w/hood 73 Banded/Side-dressed, foliar 76 T-Banded (Combo of banded and injected) SPOT TREATMENTS: [***If Column 11 = 91, 92, or 93 (spot treatment), then Columns 8 and 12 must be blank.***] 91 Spot treatment 92 Spot treatment, w/hood 93 Spot treatment, foliar

LINE	7 When was it applied? MMDDYY	8 OR 9 How much was applied per acre per application?	8 OR 9 What was the total amount applied per application in this field?	10 [*Enter unit code.*] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	11 How was this Product Applied? [*Enter code from above.*]	12 How many acres in this field were treated with this product? ACRES
01	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
02	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
03	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
04	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
05	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
06	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
07	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
08	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
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10	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
11	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
12	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
13	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
14	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____
15	0307 __ __ __ __ __ __	0308 .__ __	0309 .__ __	0310	0311	0312 .____

☐ Were chemicals applied in 2003? [*If **YES** continue. If **NO** go to Section G.*]

8c. **Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2003 crop(s).**

[*Probe for appications made in the fall of 2002 (and those made earlier if this field was fallow) for the 2003 crop year.]*

***Include** herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematicides, rodenticides, soil fumigants, and seed treatments.*

***Include** biological and botanical pesticides.*

***Exclude** fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).*

	T-TYPE	TABLE
	3	300
Line 99	Office use Lines in table	0314

CHEMICAL PRODUCT NAME	LINE	1 Crop Year	2 Primary crop for which pesticides were intended	3 Crop Code [*Enter crop code from Respondent Booklet.*]	4 What products were applied to this field? [*Show product codes from Respondent Booklet.*]	5 Was this product bought in liquid or dry form? [*Enter L or D.*]	6 Was this part of a tank mix? [*If tank mix, enter line number of first product in mix.*]
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	02	**03**		0304	0305		0306
	03	**03**		0304	0305		0306
	04	**03**		0304	0305		0306
	05	**03**		0304	0305		0306
	06	**03**		0304	0305		0306
	07	**03**		0304	0305		0306
	08	**03**		0304	0305		0306
	09	**03**		0304	0305		0306
	10	**03**		0304	0305		0306
	11	**03**		0304	0305		0306
	12	**03**		0304	0305		0306
	13	**03**		0304	0305		0306
	14	**03**		0304	0305		0306
	15	**03**		0304	0305		0306

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

Line	Pesticide Type (*Herbicide, Insecticide, Fungicide, etc.)*	EPA No. or Tradename and Formulation	Form Purchased (Liquid or Dry)	Where Purchased [*Ask only if EPA No. cannot be reported.*]
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

APPLICATION CODES FOR COLUMN 11	
4 Seed Furrow 5 Chemigation (in irrigation water) 6 Chisel/Injected or knifed in 8 Direct spray, foliar 10 Seed Treatment by producer prior to planting 11 Broadcast, ground, not incorporated 12 Broadcast, ground, w/hood, not incorporated 13 Broadcast, ground, foliar 21 Broadcast, ground, incorporated 22 Broadcast, ground, w/hood, incorporated 31 Broadcast, aerial 32 Broadcast, aerial, folliar	71 Banded/Side-dressed 72 Banded/Side-dressed, w/hood 73 Banded/Side-dressed, foliar 76 T-Banded (Combo of banded and injected) SPOT TREATMENTS: [***If Column 11 = 91, 92, or 93 (spot treatment), then Columns 8 and 12 must be blank.***] 91 Spot treatment 92 Spot treatment, w/hood 93 Spot treatment, foliar

LINE	7 When was it applied? MMDDYY	8 OR 9 How much was applied per acre per application?	8 OR 9 What was the total amount applied per application in this field?	10 [*Enter unit code.*] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	11 How was this Product Applied? [*Enter code from above.*]	12 How many acres in this field were treated with this product? ACRES
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02	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
03	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
04	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
05	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
06	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
07	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
08	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
09	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
10	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
11	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
12	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
13	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
14	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____
15	0307 __ __ __ __ __ __	0308 .___ ___	0309 .___ ___	0310	0311	0312 .____

G PEST MANAGEMENT PRACTICES---SELECTED FIELD G

T-Type	Table	Line
0	000	00

Now I have some questions about the pest management decisions and practices used on this field during the 2005 crop year. By pests, we mean INSECTS, WEEDS, and PLANT DISEASES.

1. **During 2005, how was this field primarily scouted for pests and/or beneficial organisms?** . . . . . .

1 By conducting general observations while performing routine tasks. [*Enter 1 and go to **Item 4**.*]

2 By deliberately going to the field specifically for scouting activities. [*Enter 2 and go to **Item 2**.*]

3 This field was not scouted for pests. [*Enter 3 and go to **Item 7**.*]

CODE 1701

2. **Was an established scouting process used** (systematic sampling, recording counts, etc.) **or were insect traps used in this field?** . . . . . **YES = 1** 1702

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

a. a pest development model? . . . . . **YES = 1** 1703

b. a pest advisory warning? . . . . . **YES = 1** 1704

4. **Was this field scouted for --**

1	YES = 1	2 [*If **YES**, ASK*--] **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 — CODE
a. weeds?	1705	1709
b. insects or mites?	1706	1710
c. diseases?	1707	1711
d. other? (specify) _____	1708	1712

5. **Were written or electronic records kept for this field to track the activity or numbers of weeds, insects, or diseases?** . . . . . **YES = 1** 1713

6. **Were scouting data compared to published information on thresholds to determine when to take measures to manage pests in this field?** . . . . . **YES = 1** 1714

7. **Were field mapping data used for making weed management decisions on this field?** . . . . . **YES = 1** 1715

8. **Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis for this field?** . . . . . **YES = 1** 1716

9. **Did you conduct any of the following activities for the crops grown in 2005 SPECIFICALLY for the purpose of managing pests or reducing the spread of pests?**

		YES = 1
a.	Plow down crop residues (using conventional tillage)	1717
b.	Rotate crops in this field during the past 3 years	1718
c.	Maintain ground covers, mulches, or other physical barriers	1719
d.	Use no-till or minimum till	1720
e.	Adjust spacing, plant density, or row directions	1721
f.	Release beneficial organisms (insects, nematodes, fungi) in the field	1722
g.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways or fence lines	1723
h.	Grow a trap crop	1724
i.	Clean equipment and field implements after completing field work	1725
j.	Remove crop residue from the field	1726
k.	Cultivate for weed control during the growing season	1727

10. **Did you choose any crop variety to be planted in this field because it had resistance to a specific pest?** . . . . . **YES = 1** 1728

11. **Were planting locations planned to avoid infestation of pests?** . . . . . **YES = 1** 1729

12. **Were planting or harvesting dates adjusted for this field to manage pests?** . . **YES = 1** 1730

13. **Were weather data used to assist in determining either the 'need for' or 'when to' apply a pest management practice?** . . . . . **YES = 1** 1731

14. **Were water management practices** (such as irrigation scheduling, controlled drainage or treatment of retention water), **used on this field to manage pests or toxic producing fungi and bacteria (i.e. aflatoxin)?** . . . . . **YES = 1** 1732

15. **Which outside sources of information on pest management practices and products were used for 2005?** [*Check all that apply.*]

[*Show Pest Management Information Sources Code List in Respondent Booklet.*]

	YES = 1
(1) County, Cooperative or University Extension Advisor, Publications or Demonstrations	1733
(2) Farm Supply or Chemical Dealer	1734
(3) Commercial Scouting Service	1735
(4) Independent Crop Consultant or Pest Control Advisor/Custom Applicator	1736
(5) Other Growers or Producers	1737
(6) Producer Associations, Newsletters or Trade Magazines	1738
(7) Electronic Information Services (DTN, Internet, World Wide Web, etc.)	1739
(8) Employee Pest Advisor	1740
(9) Other – *(specify)*_____	1741
(10) None – *Operator used no **outside** information source.* *[If Code (10) = 1, Go to Item 17.]*	1742

[*If only one source code is listed above, copy code to Item 16 and continue.]*

16. **For the pest management information sources used, what were the 3 most influential** (from Item 15) **in determining the pest management practices used on the operation?**

FIRST	SECOND	THIRD
1743	1744	1745

17. **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

18. **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, line 17 = YES. If no irrigation was reported for any crop years in Section C, go to Section I.*

[*Items 1 and 3-8 on Version 2 only.*]

2. **Now, I have some questions about the irrigation of this field for the 2005, 2004 and 2003 crops.**

	2005 SYSTEM TYPE CODE	2004 SYSTEM TYPE CODE	2003 SYSTEM TYPE CODE
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 covering the most field acres.]	1505	1506	1507

[*If an irrigation system reported in 2a is a gravity system (code 10-19) then continue, else, go to Item 12.*]

9. **What gravity irrigation system source was used?** (1 furrow, 2 border, 3 basin, 4 contour levee, 5 meadow or wild flood) CODE

2005	2004	2003
1508	1509	1510

[*If the gravity irrigation source in Item 9 = 1 (furrow), then ask*]

	2005	2004	2003
a. What was the length of the furrow in feet?	1511 ____.	1512 ____.	1513 ____.
b. What was the furrow spacing in feet?	1514 ____.	1515 ____.	1516 ____.

10. **Do some portions of the field appear to get more irrigation water than other parts?** YES = 1

2005	2004	2003
1517	1518	1519

11. **Do you use any water management practices to reduce irrigation water use or improve efficiency?** YES = 1

2005	2004	2003
1520	1521	1522

[*If YES, then continue, else go to Item 12.*]

a. Did you apply PAM (poly-acrylamide) to your water delivery system? YES = 1

2005	2004	2003
1523	1524	1525

b. Has the slope of this field been adjusted to a specific grade, including zero slope? YES = 1

2005	2004	2003
1526	1527	1528

[*If YES, continue, if NO, go to Item 11c.*]

(1) Was laser leveling used? YES = 1

2005	2004	2003
1529	1530	1531

(2) Was the slope adjusted as part of a conservation plan? YES = 1 — 1532

c. Were other practices used to improve water use efficiency? YES = 1 — 1533

[*If YES, please list practices. See Respondent Booklet.*]

1565	1566	1567

Enumerator Note: *If irrigation system reported in 2a is a pressure system (codes= 1-9), continue, else go to Item 14.*

YEAR

12. **What year was your pressure system installed?** . . . . . 1534 ___ ___ ___ ___

13. **What year was your pressure system last refurbished?** . . . . . 1535 ___ ___ ___ ___

14. **Is the runoff from the field primarily --**

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

. . . .

2005	2004	2003
1536	1537	1538

15. **Do you manage irrigation to address salinity problems in this field?** . . . . . **YES=1** 1539

COMPLETION CODE FOR IRRIGATION	2005	2004	2003
	1504	1503	1502

FIELD OPERATIONS---SELECTED FIELD

1. Including custom operations, I need to list field work performed by machines on this field for the 2005, 2004 and 2003 crop years
   - Begin with the first field operation for the 2005 crop (after harvesting of 2004 crop.)
   - List the operations in order by crop year, through harvest.
   - Maintain the order of tandem hook-ups.

a. **Let's start with the 2005 crops.**

CHECK LIST			
Include		**Exclude** all field work using machines for--	
☐ Land Forming	☐ Planting	☐ Lime & Gypsum applications	
☐ Tillage	☐ Harvesting	☐ Fertilizers, Manure & Pesticides applications	
☐ Preparing for Irrigation before seeding	☐ Residue Management	☐ Hauling	

1 **Crop Year** **YEAR**	2 **Sequence Number** **NUMBER**	3 **What crop was associated with this operation?** **CODE**	4 **What operation or equipment was used on this field?**	5 [*Record machine code from Respondent Booklet.*] **CODE**	6 **What was the timing of the field operation?** **MMDDYY**	7 **What was the depth of tillage for tillage operations?** **INCHES**
2005	3005	3006		3007	3008 __ __ __ __ __ __	3009 .__
2005	3015	3016		3017	3018 __ __ __ __ __ __	3019 .__
2005	3025	3026		3027	3028 __ __ __ __ __ __	3029 .__
2005	3035	3036		3037	3038 __ __ __ __ __ __	3039 .__
2005	3045	3046		3047	3048 __ __ __ __ __ __	3049 .__
2005	3055	3056		3057	3058 __ __ __ __ __ __	3059 .__
2005	3065	3066		3067	3068 __ __ __ __ __ __	3069 .__
2005	3075	3076		3077	3078 __ __ __ __ __ __	3079 .__
2005	3085	3086		3087	3088 __ __ __ __ __ __	3089 .__
2005	3095	3096		3097	3098 __ __ __ __ __ __	3099 .__
2005	3105	3106		3107	3108 __ __ __ __ __ __	3109 .__
2005	3115	3116		3117	3118 __ __ __ __ __ __	3119 .__
2005	3125	3126		3127	3128 __ __ __ __ __ __	3129 .__
2005	3135	3136		3137	3138 __ __ __ __ __ __	3139 .__
2005	3145	3146		3147	3148 __ __ __ __ __ __	3149 .__
2005	3155	3156		3157	3158 __ __ __ __ __ __	3159 .__
2005	3165	3166		3167	3168 __ __ __ __ __ __	3169 .__
2005	3175	3176		3177	3178 __ __ __ __ __ __	3179 .__

2005 EDIT FIELD OPERATIONS TABLE
3004

WORKSHEET:

b. **Now let's continue with 2004 crop year.**

- Begin with the first field operation for the 2004 crop (after harvesting of 2003 crop.)

CHECK LIST			
Include		**Exclude** all field work using machines for--	
☐ Land Forming	☐ Planting	☐ Lime & Gypsum applications	
☐ Tillage	☐ Harvesting	☐ Fertilizers, Manure & Pesticides applications	
☐ Preparing for Irrigation before seeding	☐ Residue Management	☐ Hauling	

1 **Crop Year** **YEAR**	2 **Sequence Number** **NUMBER**	3 **What crop was associated with this operation?** **CODE**	4 **What operation or equipment was used on this field?**	5 [*Record machine code from Respondent Booklet.*] **CODE**	6 **What was the timing of the field operation?** **MMDDYY**	7 **What was the depth of tillage for tillage operations?** **INCHES**
2004	3305	3306		3307	3308 __ __ __ __ __ __	3309 .__
2004	3315	3316		3317	3318 __ __ __ __ __ __	3319 .__
2004	3325	3326		3327	3328 __ __ __ __ __ __	3329 .__
2004	3335	3336		3337	3338 __ __ __ __ __ __	3339 .__
2004	3345	3346		3347	3348 __ __ __ __ __ __	3349 .__
2004	3355	3356		3357	3358 __ __ __ __ __ __	3359 .__
2004	3365	3366		3367	3368 __ __ __ __ __ __	3369 .__
2004	3375	3376		3377	3378 __ __ __ __ __ __	3379 .__
2004	3385	3386		3387	3388 __ __ __ __ __ __	3389 .__
2004	3395	3396		3397	3398 __ __ __ __ __ __	3399 .__
2004	3405	3406		3407	3408 __ __ __ __ __ __	3409 .__
2004	3415	3416		3417	3418 __ __ __ __ __ __	3419 .__
2004	3425	3426		3427	3428 __ __ __ __ __ __	3429 .__
2004	3435	3436		3437	3438 __ __ __ __ __ __	3439 .__
2004	3445	3446		3447	3448 __ __ __ __ __ __	3449 .__
2004	3455	3456		3457	3458 __ __ __ __ __ __	3459 .__
2004	3465	3466		3467	3468 __ __ __ __ __ __	3469 .__
2004	3475	3476		3477	3478 __ __ __ __ __ __	3479 .__

2004 EDIT FIELD OPERATIONS TABLE
3003

WORKSHEET:

c. **Please answer the following for 2003 crop year.**

- Begin with the first field operation for the 2003 crop (after harvesting of 2002 crop.)

CHECK LIST		
Include		**Exclude** all field work using machines for--
☐ Land Forming	☐ Planting	☐ Lime & Gypsum applications
☐ Tillage	☐ Harvesting	☐ Fertilizers, Manure & Pesticides applications
☐ Preparing for Irrigation before seeding	☐ Residue Management	☐ Hauling

1 **Crop Year** **YEAR**	2 **Sequence Number** **NUMBER**	3 **What crop was associated with this operation?** **CODE**	4 **What operation or equipment was used on this field?**	5 [*Record machine code from Respondent Booklet.*] **CODE**	6 **What was the timing of the field operation?** **MMDDYY**	7 **What was the depth of tillage for tillage operations?** **INCHES**
2003	3605	3606		3607	3608 __ __ __ __ __ __	3609 .__
2003	3615	3616		3617	3618 __ __ __ __ __ __	3619 .__
2003	3625	3626		3627	3628 __ __ __ __ __ __	3629 .__
2003	3635	3636		3637	3638 __ __ __ __ __ __	3639 .__
2003	3645	3646		3647	3648 __ __ __ __ __ __	3649 .__
2003	3655	3656		3657	3658 __ __ __ __ __ __	3659 .__
2003	3665	3666		3667	3668 __ __ __ __ __ __	3669 .__
2003	3675	3676		3677	3678 __ __ __ __ __ __	3679 .__
2003	3685	3686		3687	3688 __ __ __ __ __ __	3689 .__
2003	3695	3696		3697	3698 __ __ __ __ __ __	3699 .__
2003	3705	3706		3707	3708 __ __ __ __ __ __	3709 .__
2003	3715	3716		3717	3718 __ __ __ __ __ __	3719 .__
2003	3725	3726		3727	3728 __ __ __ __ __ __	3729 .__
2003	3735	3736		3737	3738 __ __ __ __ __ __	3739 .__
2003	3745	3746		3747	3748 __ __ __ __ __ __	3749 .__
2003	3755	3756		3757	3758 __ __ __ __ __ __	3759 .__
2003	3765	3766		3767	3768 __ __ __ __ __ __	3769 .__
2003	3775	3776		3777	3778 __ __ __ __ __ __	3779 .__

2003 EDIT FIELD OPERATIONS TABLE
3002

J WILDLIFE J

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

☐ **YES** [*Enter 1 and indicate below which practices were installed or modified to enhance habitat.*]

☐ **NO** [*Enter **3** and go to Item 4.*] . . . . . **CODE** 1601

Practices	YES=1 Mark all that apply	Practices	YES=1 Mark all that apply
Contour buffers	1602	Pasture improvement	1611
Critical area planting	1603	Stream side forest buffer	1612
Farm pond	1604	Stream side herbaceous buffer	1613
Field border	1605	Terraces	1614
Filter strip	1606	Wetland restoration	1615
Forest management	1607	Windbreak	1616
Grass, forage, legume buffers	1608	Other (specify)_____	1617
Grassed waterways	1609	Other (specify)_____	1618
Hedgerow plantings	1610	Other (specify)_____	1619

2. **For any of the conservation practices associated with the selected field, do you manage the vegetative cover for wildlife purposes such as:**

		CODE
a. Delaying mowing or cutting until after critical bird nesting period?	YES=1	1620
b. Planting multiple grass, shrub or tree varieties to improve wildlife habitat?	YES=1	1621
c. Managing the height of the cut during mowing to improve wildlife habitat?	YES=1	1622
d. Other (specify)_____	YES=1	1623

3. **Have you seen changes in wildlife numbers because of these conservation practices?**

☐ **YES** [*Enter 1 and continue.*]

☐ **NO** [*Enter **3** and go to Item 4]* . . . . . .

CODE 1624

a. **Have the species numbers increased or decreased?**

Wildlife [*Mark all that apply.*]		**Increase**	**Decrease**
☐ Coyotes.	**YES=1**	1625	1631
☐ Deer.	**YES=1**	1626	1632
☐ Ducks/geese.	**YES=1**	1627	1633
☐ Fish.	**YES=1**	1628	1634
☐ Hawks, owls.	**YES=1**	1629	1635
☐ Pheasants.	**YES=1**	1630	1636

Wildlife [*Mark all that apply.*]		**Increase**	**Decrease**
☐ Prairie Chickens.	**YES=1**	1637	1643
☐ Quail.	**YES=1**	1638	1644
☐ Rabbits.	**YES=1**	1639	1645
☐ Songbirds.	**YES=1**	1640	1646
☐ Other (*specify)*_____	**YES=1**	1641	1647
☐ Other (*specify)*_____	**YES=1**	1642	1648

4. **Do you consider the** [*wildlife below*] **on your property to be** [*column*]**?**

		Very Desirable	**Desirable**	**Neutral**	**Detrimental**	**Very Detrimental**
☐ Coyotes.	**YES=1**	1649	1660	1671	1682	1693
☐ Deer.	**YES=1**	1650	1661	1672	1683	1694
☐ Ducks/geese.	**YES=1**	1651	1662	1673	1684	1695
☐ Fish.	**YES=1**	1652	1663	1674	1685	1696
☐ Hawks, owls.	**YES=1**	1653	1664	1675	1686	1697
☐ Pheasants.	**YES=1**	1654	1665	1676	1687	1698
☐ Prairie Chickens.	**YES=1**	1655	1666	1677	1688	1699
☐ Quail.	**YES=1**	1656	1667	1678	1689	1800
☐ Rabbits.	**YES=1**	1657	1668	1679	1690	1801
☐ Songbirds.	**YES=1**	1658	1669	1680	1691	1802
☐ Other (s*pecify)*_____	**YES=1**	1659	1670	1681	1692	1803

5. **To what extent are wildlife habitat considerations included in discussions you have with NRCS or other conservationists?**

1 Almost Always
2 Frequently
3 Sometimes
4 Never

. . . . . .

CODE 1804

6. **Select the one option that best describes your attitude toward wildlife in relation to your agricultural operation:**. . . . . .

1. Seeing wildlife on my farm/ranch is important. Providing wildlife habitat affects how I manage my land and has an influence on conservation practices used.
2. Seeing wildlife on my farm/ranch is desirable but does not affect how I manage my land or conservation practices used.
3. Wildlife is not important and does not affect how I manage my land or the conservation practices used.
4. I would not be in favor of conservation practices that purposely improve wildlife habitat on my farm/ranch because it might disrupt my production.

. . . . . .

CODE 1805

Completion Code for Wildlife
1806

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 2005 crop year, how many total acres did this operation --** **ACRES**

   a. own? . . . . . + 1901 .____

   b. rent **FROM** others?
   *(**Exclude** land used on an AUM basis.)* . . . . . + 1902 .____

   c. rent **TO** others?
   *(**Include** privately owned/rented land administered by a public agency through exchange-of-use.)* . . . . . - 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?

   ☐ **YES –** [*Continue.*]

   ☐ **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 .____

4. ***Enumerator Action:*** *Copy Crops listed on page 7, Section C, Item 1 to columns 1 & 2 below and ask the following for each crop:*

   How many total acres of ___[*crop listed on page 7 in Section C, Item 1*]___ **did you plant in 2005 on your entire operation?** *(If 2005 crop was a permanent planting, record acres harvested.)*

Crop(s) in 2005 (Page 7, Section C, Item 1)	Crop Code	Total Acres Planted in 2005
	1906	1909 .____
	1907	1910 .____
	1908	1911 .____

L OPERATOR AND OPERATION CHARACTERIESTICS L

1. **In 2005, was this operation's LEGAL STATUS--**

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

CODE 1912

2. **In 2005, 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?**

YEAR 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,
- landlord's share of government payments and crops sold in 2004;

What code represents the total gross value of sales for this operation in 2004?

☐ 99	None during 2004	
☐ 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	$1,000,00 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 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---*]

		CODE
a. [**fertilizer** data?]	**YES = 1**	0026
b. [**pesticide** data?]	**YES = 1**	0027
c. [**manure** data?]	**YES = 1**	0028

		CODE
2. [*Did the respondent use a Conservation Plan to complete Section B?*]	**YES = 1**	0029

SUPPLEMENTS USED

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

	NUMBER
FERTILIZER APPLICATION	0030
PESTICIDE APPLICATION	0031
FIELD OPERATIONS	0032
MANURE APPLICATIONS	0033

ENDING TIME [*MILITARY*]

MILITARY TIME H H M M
0005 __ __ __ __

TOTAL HOURS
0006 .____

Reported by:_____ Telephone: (_____)_____

Response		Respondent		Mode		Enum	Eval.	Date MM DD YY	Optional	Optional
1-Comp 2-R 3-Inac 4-O.H.	9901	1- Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 8-O.H. 9-Other	9902	2-Telephone 3-Face-to-Face	9903	0098	0100	0007 __ __ __ __**05**	0002	0003
S/E Name										