



**Conservation Effects
Assessment Project (CEAP)
2011**



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

U.S. Department of Agriculture,
Rm 5030, South Building
1400 Independence Ave., S.W.
Washington, DC 20250-2000
Phone: 1-800-727-9540
Fax: 202-690-2090
Email: nass@nass.usda.gov

**DRAFT
07/19/2011**



VERSION 1	CEAP ID -----	TRACT 01	SUBTRACT 01	T-TYPE 0	TABLE 000	LINE 00
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CONTACT RECORD		
DATE	TIME	NOTES

INTRODUCTION

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

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 Title 7, Section 2204 of the U.S. Code. Under Title 7 Section 2276 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes. Response to this survey is voluntary.

0001	1
	H H M M
BEGINNING TIME [MILITARY]	0004

OFFICE USE	0008	0012
	OFFICE USE: LSF CHANGE	
	0009	

[Name and address verified and updated if necessary.]

SCREENING

[The following Screening questions should be collected ONLY if a signal is not available for use by the iPad device.]

[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 2011?**

YES NO

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

[With the respondent, draw off the entire area that can be identified as the selected field]

- 2 **During 2011, was the entire field enrolled in 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?**

CODE

YES – [Enter 1] NO – [Enter 3]

3. **In 2011, was any of the field planted or cropped; idle cropland; summer fallow; pasture in rotation with crops; or hayland in rotation with crops?**

CODE

YES – [Enter 1] NO – [Enter 3]

If Question 2 = YES or Question 3 = NO, end interview, point ineligible.

If Question 2 = NO and Question 3 = YES, continue, complete interview.

SCREENING COMPLETED – BEGIN HERE

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 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**. *[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.

A

FIELD CHARACTERISTICS---SELECTED FIELD

A

1. In 2011, how many acres in the conservation area of interest containing the sample point were --

	ACRES
a. planted or cropped (including hay acres in rotation with 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, summer fallow, pasture in rotation with crops (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

	ACRES
2. So the TOTAL acres in the conservation area (1a + 1b + 1c + 1d + 1e + 1f) are =	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 2011, 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
<input type="checkbox"/> YES [Enter 1.]	0732
<input type="checkbox"/> NO [Enter 3.]	

	2011	2010	2009
4. Were the acres in this field (reported in 1a or 1c) --	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?

	2010	2009
5. Did you make the day-to-day farming/ranching decisions for this field in [year]? YES=1	0010	0011

	CODE
6. Are the day-to-day decisions for this operation made by one individual, partners, or a hired manager?	0921
<input type="checkbox"/> Individual -[Enter 1]	
<input type="checkbox"/> Partners -[Enter number of partners (2-5), involved in the day-to-day decisions, including the operator.]	
<input type="checkbox"/> A hired manager -[Enter 8]	

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

YES [Enter 1 and continue with Item 1a.]

DON'T KNOW - [Enter 2 and go to Item 2.]

NO - [Enter 3 and go to Item 2.]

CODE

0701

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

a. Does the written plan for the selected field 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 2011, 2010, or 2009 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 and go to Item 3.]

CODE

0707

a. If YES, for what program?

**YES=1
(Mark all that apply)**

Conservation Security Program

0772

WRP.....

0708

EQIP.....

0709

State Programs.....

0710

Other (specify) _____

0711

Don't

0712

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 (specify: _____)	0719	0725	0731

Completion Code for Conservation Plan	
1 – Incomplete/Refusal	0700

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	
1	Pounds
2	Cwt (hundredweight)
3	Tons
4	Bushels
5	Other (specify) _____
23	50-lb bag
25	Kernels/Seeds
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
23	50-lb bag

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 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 2011 crop year. What was the:		2011	2011	2011
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? <i>[Include previous planted crops.]</i>	Acres	1007 _____	1039 _____	1071 _____
4. Date planted? (mmdyy)	Date	1008 _____	1040 _____	1072 _____
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? (mmdyy)	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?	#/Days	1026	1058	1090
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
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?	#/Days	1028	1060	1092
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
17. Was this crop irrigated? If YES enter 1 and continue. If NO , enter 3 and go to page 8, 2010 crops.	YES=1	1029	1061	1093

2011 EDIT CROPPING TABLE	1004
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Let's continue with the 2010 crop year. What was the:		2010	2010	2010
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? <i>[Include previous planted crops.]</i>	Acres	1103 _____	1135 _____	1167 _____
4. Date planted? <i>(mmdyy)</i>	Date	1104 _____	1136 _____	1168 _____
6. Row Width <i>(for row crops)</i> ?	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? <i>(mmdyy)</i>	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?	#/Days	1122	1154	1186
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
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?	#/Days	1124	1156	1188
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
17. Was this crop irrigated? If YES enter 1 and continue. If NO , enter 3 and go to page 9, 2009 crops.	YES=1	1029	1061	1093

Let's finish up with the 2009 crop year. What was the:		2009	2009	2009
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? <i>[Include previous planted crops.]</i>	Acres	1199	1231	1263
4. Date planted? <i>(mmdyy)</i>	Date	1200	1232	1264
6. Row Width <i>(for row crops)</i> ?	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? <i>(mmdyy)</i>	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?	#/Days	1218	1250	1282
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
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?	#/Days	1220	1252	1284
b. Was supplemental feed supplied to livestock?	YES=1	****	****	****
17. Was this crop irrigated? If YES enter 1 and continue. If NO , enter 3 and go to page10, Item 2.	YES=1	1029	1061	1093

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

YES – [Enter 1 and continue.]

NO – [Enter 3 and go to Item 3.]

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
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 2009, 2010, or 2011 crop years?

YES – [Enter 1 and continue.]

NO – [Enter 3 and go to Item 4.]

CODE

1343

a. Let's record your cover crop history.

		2009	2010	2011
1) When was the Cover Crop planted ?	MDDYY	****	****	****
2) What species was planted?	1 Wheat 2 Rye 3 Other small grain/winter annual 4 Legume (clover, cowpeas,	****	****	****
3) When was the Cover Crop terminated ?	MDDYY	****	****	****
4) How was the Cover Crop terminated?	1 Mowed 2 Burned 3 Hayed 4 Plowed or disked in 5 Herbicide 6 Roller/Crimper 7 Harvested for grain	****	****	****

4. Is the field adjacent to a water body, including a stream, intermittent stream, wetland, or drainage channel? YES=1

1327

5. Does this field have subsurface (tile) drainage? YES=1

1341

6. Does this field have surface drainage structures? YES=1

1342

7. In 2011, did this field have any of the following conservation practices? [May or may not be included in the conservation plan.]

<input type="checkbox"/> a. Terraces?	YES=1	1328	<input type="checkbox"/> f. Grassed waterways?	YES=1	1330
(1) Were these terraces— 1=primarily grassed? 2=primarily cropped?	CODE	1329	<input type="checkbox"/> g. Vegetative buffers (in-field)?	YES=1	1332
<input type="checkbox"/> b. Stream side forest buffer?.	YES=1	1333	<input type="checkbox"/> h. Hedgerow plantings?	YES=1	1335
(1) Width of buffer—	FT		<input type="checkbox"/> i. Windbreak or herbaceous wind barrier?	YES=1	1336
(2) Species 1 evergreen 2 deciduous 3 mixed	CODE		<input type="checkbox"/> j. Contour buffers (in-field)?	YES=1	1339
<input type="checkbox"/> c. Stream side herbaceous buffer?	YES=1	1334	<input type="checkbox"/> k. Critical area planting?	YES=1	1340
(1) Width of buffer —	FT		<input type="checkbox"/> l. Grade stabilization structure?	YES=1	****
(2) Is the buffer maintained, for example, by fertilizing, mowing, or repairing any gullies?	YES=1		<input type="checkbox"/> m. Drainage water management?	YES=1	****
(3) Buffer designed to capture	YES=1		<input type="checkbox"/> n. Contour farming?	YES=1	****
a. sediment	YES=1		<input type="checkbox"/> o. Strip cropping?	YES=1	2450
b. nutrients	YES=1		<input type="checkbox"/> p. Other (specify) _____	YES=1	
c. pesticide residue	YES=1				
<input type="checkbox"/> d. Field borders?.	YES=1	1337			
(1) Width of buffer —	FT				
(2) Is the buffer maintained, for example, by fertilizing, mowing, or repairing any gullies?	YES=1				
(3) Buffer designed to capture	YES=1				
a. sediment	YES=1				
b. nutrients	YES=1				
c. pesticide residue	YES=1				
<input type="checkbox"/> e. Filter strips?.	YES=1	1338			
(1) Width of buffer —	FT				
(2) Is the buffer maintained, for example, by fertilizing, mowing, or repairing any gullies?	YES=1				
(3) Buffer designed to capture	YES=1				
a. sediment	YES=1				
b. nutrients	YES=1				
c. pesticide residue	YES=1				

8. 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 =2 NOT APPLICABLE = 3

9. Do you manage the vegetative cover for wildlife purposes?

YES =1 NO =2 NOT APPLICABLE = 3

1. Were commercial FERTILIZERS applied to this field for:

a. the 2011 crop? [If YES, enter 1 and continue. If NO, enter 3 and go to 1c.]

YES = 1
NO = 3

Code	Edit Table
0221	0234
0222	

b. 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.)

YES = 1
NO = 3

c. the 2010 crop? [If YES, enter 1 and continue. If NO, enter 3 and go to 1e.]

YES = 1
NO = 3

Code	Edit Table
0235	0233
0236	

d. Did you use any product to slow the breakdown of nitrogen on this field in 2010? (For example a nitrification inhibitor a urease inhibitor, or slow release polymer.)

YES = 1
NO = 3

e. the 2009 crop? [If YES, enter 1 and continue. If NO, enter 3 and go to question 2.]

YES = 1
NO = 3

Code	Edit Table
0237	0232
0238	

f. Did you use any product to slow the breakdown of nitrogen on this field in 2009? (For example a nitrification inhibitor a urease inhibitor, or slow release polymer.)

YES = 1
NO = 3

2. Was commercial phosphorus fertilizer or manure containing phosphorus applied prior to 2009 in order to supply phosphate nutrients for the duration or part of the remainder of the rotation (phosphorus nutrient banking)?

- YES - [Enter 1 and continue.]
- NO - [Enter 3 and go to Item 3.]

CODE

MMYY

_ _ _ _

a. When were the phosphorus nutrients applied?

Units for fertilizer	Units for manure
1 lbs/acre P ₂ O ₅	1 Pounds
	2 Tons
	3 Gallons
	4 Acre-Inch manure/acre

CODE

b. What rate was applied?

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

CODE

--

CODE

--

- YES – [Enter 1 and continue.]
- NO – [Enter 3 and go to Item 4.]

a. How often is the soil test performed?

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

b. Please provide the following information for the last soil test performed on this field. If available, take information from the soil sample test report.

1 Year of Test	2 Crop	3 Crop Code	4 Soil Test Nitrogen		5 Soil Test Phosphorus		6 Soil Test Potassium		7 Soil pH
			Test Value	Unit 1 lbs/acre 2 ppm	Test Value	Unit 1 lbs/acre 2 ppm	Test Value	Unit 1 lbs/acre 2 ppm	

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

Pre-plant or pre-sidedress nitrate-nitrogen test

YES =1

Deep soil profile nitrate-nitrogen test (greater than one foot deep)

YES =1

Leaf petiole or leaf tissue tests

YES =1

Post-harvest stalk test

YES =1

Chlorophyll analysis (for example, leaf color charts, chlorophyll meters, optical sensors, or remote aerial sensing)

YES =1

5. During crop years 2011, 2010, or 2009--

2011 2010 2009

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.)?

YES=1

1299	1310	1321
------	------	------

[If YES, continue; if NO go to Item 6a.]

a. Was the map based on random sampling? . . .

YES=1

1301	1312	1323
------	------	------

b. Was the map based on grid sampling? . . .

YES=1

--	--	--

c. Was the map based on a machine that measured electrical conductivity of the soi? . . .

YES=1

--	--	--

6a. Was fertilizer applied in 2011? [If **YES** continue. If **NO** go to Item 6b.]

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						T-TYPE 2	TABLE 100
INCLUDE		EXCLUDE							
<input type="checkbox"/> Custom applied fertilizers		<input type="checkbox"/> Micronutrients							
<input type="checkbox"/> Sulfur		<input type="checkbox"/> Commercially prepared manure							
		<input type="checkbox"/> Unprocessed manure							
		<input type="checkbox"/> Lime and gypsum						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 actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analyses in this column and quantity of plant nutrients applied per acre in Column 5. [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
				Nitrogen N	Phosphorus P ₂ O ₅	Potassium K ₂ O	Sulfur S		
01	11		0204	0205	0206	0207	0239	0208	0209
02	11		0204	0205	0206	0207	0239	0208	0209
03	11		0204	0205	0206	0207	0239	0208	0209
04	11		0204	0205	0206	0207	0239	0208	0209
05	11		0204	0205	0206	0207	0239	0208	0209
06	11		0204	0205	0206	0207	0239	0208	0209
07	11		0204	0205	0206	0207	0239	0208	0209
08	11		0204	0205	0206	0207	0239	0208	0209
09	11		0204	0205	0206	0207	0239	0208	0209
10	11		0204	0205	0206	0207	0239	0208	0209
11	11		0204	0205	0206	0207	0239	0208	0209
12	11		0204	0205	0206	0207	0239	0208	0209
13	11		0204	0205	0206	0207	0239	0208	0209
14	11		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 on the soil surface
8	Foliar or directed spray

LINE	7	8	9	10	NOTES
	When was this applied? MMDDYY	How was this applied? [Enter code from box above.]	How many acres were treated in this application? ACRES	Was variable rate technology (VRT) used? [Include "on-the-go" sensing.] YES=1	
01	0210	0211	0212 _____	0215	
02	0210 _____	0211	0212 _____	0215	
03	0210	0211	0212 _____	0215	
04	0210	0211	0212 _____	0215	
05	0210 _____	0211	0212 _____	0215	
06	0210	0211	0212 _____	0215	
07	0210	0211	0212 _____	0215	
08	0210 _____	0211	0212 _____	0215	
09	0210	0211	0212 _____	0215	
10	0210	0211	0212 _____	0215	
11	0210 _____	0211	0212 _____	0215	
12	0210	0211	0212 _____	0215	
13	0210	0211	0212 _____	0215	
14	0210 _____	0211	0212 _____	0215	

6b. Was fertilizer applied in 2010? [If **YES** continue. If **NO** go to Item 6c.]

Now I need to record information for each fertilizer application for the 2010 crop.

[Probe for applications made in the fall of 2009 (and those made earlier if this field was fallow) for the 2010 crop year.]

		CHECKLIST						T-TYPE 2	TABLE 200
INCLUDE		EXCLUDE							
<input type="checkbox"/> Custom applied fertilizers		<input type="checkbox"/> Micronutrients							
<input type="checkbox"/> Sulfur		<input type="checkbox"/> Commercially prepared manure							
		<input type="checkbox"/> Unprocessed manure							
		<input type="checkbox"/> Lime and gypsum						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 actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analyses in this column and quantity of plant nutrients applied per acre in Column 5. [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
				Nitrogen N	Phosphorus P ₂ O ₅	Potassium K ₂ O	Sulfur S		
01	10		0204	0205	0206	0207	0239	0208	0209
02	10		0204	0205	0206	0207	0239	0208	0209
03	10		0204	0205	0206	0207	0239	0208	0209
04	10		0204	0205	0206	0207	0239	0208	0209
05	10		0204	0205	0206	0207	0239	0208	0209
06	10		0204	0205	0206	0207	0239	0208	0209
07	10		0204	0205	0206	0207	0239	0208	0209
08	10		0204	0205	0206	0207	0239	0208	0209
09	10		0204	0205	0206	0207	0239	0208	0209
10	10		0204	0205	0206	0207	0239	0208	0209
11	10		0204	0205	0206	0207	0239	0208	0209
12	10		0204	0205	0206	0207	0239	0208	0209
13	10		0204	0205	0206	0207	0239	0208	0209
14	10		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 on the soil surface
8	Foliar or directed spray

LINE	7	8	9	10	NOTES
	When was this applied? MMDYY	How was this applied? [Enter code from box above.]	How many acres were treated in this application? ACRES	Was variable rate technology (VRT) used? [Include "on-the-go" sensing.] YES=1	
01	0210	0211	0212	0215	
02	0210	0211	0212	0215	
03	0210	0211	0212	0215	
04	0210	0211	0212	0215	
05	0210	0211	0212	0215	
06	0210	0211	0212	0215	
07	0210	0211	0212	0215	
08	0210	0211	0212	0215	
09	0210	0211	0212	0215	
10	0210	0211	0212	0215	
11	0210	0211	0212	0215	
12	0210	0211	0212	0215	
13	0210	0211	0212	0215	
14	0210	0211	0212	0215	

6c. Was fertilizer applied in 2009? [If **YES** continue. If **NO** go to Section E.]

Now I need to record information for each fertilizer application for the 2009 crop.

[Probe for applications made in the fall of 2008 (and those made earlier if this field was fallow) for the 2009 crop year.]

		CHECKLIST						T-TYPE 2	TABLE 300
INCLUDE		EXCLUDE							
<input type="checkbox"/> Custom applied fertilizers		<input type="checkbox"/> Micronutrients							
<input type="checkbox"/> Sulfur		<input type="checkbox"/> Commercially prepared manure							
		<input type="checkbox"/> Unprocessed manure							
		<input type="checkbox"/> Lime and gypsum						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 actual pounds of plant nutrients applied per acre. If only fertilizer analysis is known, enter percent analyses in this column and quantity of plant nutrients applied per acre in Column 5. [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
				Nitrogen N	Phosphorus P ₂ O ₅	Potassium K ₂ O	Sulfur S		
01	09		0204	0205	0206	0207	0239	0208	0209
02	09		0204	0205	0206	0207	0239	0208	0209
03	09		0204	0205	0206	0207	0239	0208	0209
04	09		0204	0205	0206	0207	0239	0208	0209
05	09		0204	0205	0206	0207	0239	0208	0209
06	09		0204	0205	0206	0207	0239	0208	0209
07	09		0204	0205	0206	0207	0239	0208	0209
08	09		0204	0205	0206	0207	0239	0208	0209
09	09		0204	0205	0206	0207	0239	0208	0209
10	09		0204	0205	0206	0207	0239	0208	0209
11	09		0204	0205	0206	0207	0239	0208	0209
12	09		0204	0205	0206	0207	0239	0208	0209
13	09		0204	0205	0206	0207	0239	0208	0209
14	09		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 on the soil surface
- 8 Foliar or directed spray

LINE	7	8	9	10	NOTES
	When was this applied? MMDYY	How was this applied? [Enter code from box above.]	How many acres were treated in this application? ACRES	Was variable rate technology (VRT) used? YES=1 [Include "on-the-go" sensing.]	
01	0210	0211	0212	0215	
02	0210	0211	0212	0215	
03	0210	0211	0212	0215	
04	0210	0211	0212	0215	
05	0210	0211	0212	0215	
06	0210	0211	0212	0215	
07	0210	0211	0212	0215	
08	0210	0211	0212	0215	
09	0210	0211	0212	0215	
10	0210	0211	0212	0215	
11	0210	0211	0212	0215	
12	0210	0211	0212	0215	
13	0210	0211	0212	0215	
14	0210	0211	0212	0215	

E

MANURE APPLICATIONS---SELECTED FIELD

E

1. Was manure applied to this field for the 2011, 2010, or 2009 crop year?
 Manure applications include effluents from waste lagoons, waste holding ponds,
 and waste runoff storage ponds. (Include commercially prepared manure.)

T-TYPE	TABLE	LINE
0	000	00

[Probe for applications made in the fall of 2008, 2009 and 2010 (and those made earlier if this field was fallow) for the 2009, 2010, and 2011 crop years respectively.]

YES - [Enter 1 and continue.]

NO - [Enter 3 and go to Section F.]

CODE

0418

T-TYPE

TABLE

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	4 What quantity of manure was applied per acre? <i>(column 4 only)</i>	5 Unit	6 Where was the manure produced?	7 How was the manure handled?	8 Was a manure test done?
			CODE			CODE	CODE	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

- 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 DON'T KNOW
- 3 NO

CODES FOR MANURE SOURCE COLUMN 11	CODES FOR APPLICATION COLUMN 15
1 Beef cattle 2 Dairy cattle 3 Hogs 4 Sheep 5 Poultry 6 Equine 7 Biosolids 8 Other (specify) _____ 9 Don't Know	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 ₂ O ₅ ,K ₂ O] applied.			10 Unit <i>(column 9 only)</i>	11 Major source of manure <i>[Enter code from box above.]</i>	12 Was manure composted before application? 1 YES 2 DON'T KNOW 3 NO	13 Composting Method 1 Windrow 2 Static Pile 3 In-Vessel 4 Other	14 When was this applied? MMDDYY	15 How was this applied? <i>[Enter code from box above.]</i>	16 How many acres were treated in this application? ACRES
	Nitrogen N	Phosphorus P ₂ O ₅	Potassium K ₂ O	31 lbs/ton 121 lbs/1000gals 19 actual nutrients Xx lbs/acre-inch						
01	0405	0406		0456	0413	0415		0410	0411	0412
02	0405	0406		0456	0413	0415		0410	0411	0412
03	0405	0406		0456	0413	0415		0410	0411	0412
04	0405	0406		0456	0413	0415		0410	0411	0412
05	0405	0406		0456	0413	0415		0410	0411	0412
06	0405	0406		0456	0413	0415		0410	0411	0412
07	0405	0406		0456	0413	0415		0410	0411	0412
08	0405	0406		0456	0413	0415		0410	0411	0412
09	0405	0406		0456	0413	0415		0410	0411	0412
10	0405	0406		0456	0413	0415		0410	0411	0412

T-TYPE	TABLE	LINE	EDIT MANURE TABLE		
0	000	00	2011	2010	2009
			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)?

TYPE 0	TABLE 000	LINE 00
		0419

...
[If YES, enter 1 and continue; if NO, enter 3 and go to Item 4.]

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

1 Nitrogen	CODE 0420
2 Phosphorus	

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

P ₂ O ₅ TEST VALUE	UNIT CODES	CODE
	1 mg/kg P 2 ppm P 3 lbs/ac	

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 and go to Item 5.]

a. Was commercial nitrogen reduced?

0421
YES = 1 0422

b. Was commercial phosphorus reduced?

0422
YES = 1

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 and/or treatment 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. 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	CODE
---------	------

1. Were any herbicides, insecticides, fungicides or other chemicals applied to this field for the 2011, 2010, or 2009 crops?

For each year enter:.....

YES = 1
NO = 3

	2011	2010	2009
	0315	0345	0346

[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

2. Did you use a pesticide product for the purpose of improving plant health as opposed to controlling a pest?

YES = 1

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

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

5. Did you select and plant crop seeds that had been commercially treated with fungicides or insecticides?.....

YES = 1

6. Did you select and plant crop cultivars with genetically engineered tolerances to specific herbicides such as glyphosate or glufosinate?.....

YES = 1

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

SECONDARY CODE

7. Other than cost and product effectiveness, identify the 2 most important factors that determined which pesticide to use in 2011

12a. Were chemicals applied in 2011? [If **YES** continue. If **NO** go to Item 12b.]

Including both custom applications and applications made by this operation, let's list all the chemicals 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.]

<i>Include herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.</i>	<i>Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).</i>		T-TYPE	TABLE
			3	100
<i>Include biological and botanical pesticides.</i>		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 <small>[Enter crop code from Respondent Booklet.]</small>	4 What products were applied to this field? <small>[Show product codes 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	11		0304	0305		0306
	02	11		0304	0305		0306
	03	11		0304	0305		0306
	04	11		0304	0305		0306
	05	11		0304	0305		0306
	06	11		0304	0305		0306
	07	11		0304	0305		0306
	08	11		0304	0305		0306
	09	11		0304	0305		0306
	10	11		0304	0305		0306
	11	11		0304	0305		0306
	12	11		0304	0305		0306
	13	11		0304	0305		0306
	14	11		0304	0305		0306
	15	11		0304	0305		0306

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

Line	Pesticide 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	71 Banded/side-dressed
5 Chemigation (in irrigation water)	73 Banded/side-dressed, foliar
6 Chisel/injected or knifed in	76 T-Banded (Combo of banded and injected)
8 Direct spray, foliar	
10 Seed Treatment by producer prior to planting	SPOT TREATMENTS:
11 Broadcast, ground, not incorporated	91 Spot Treatment
13 Broadcast, ground, foliar	93 Spot treatment foliar
21 Broadcast, ground, incorporated	
31 Broadcast, aerial	
32 Broadcast, aerial, foliar	

LINE	7	8	OR	9	10	xx	11	12
	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.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	How was this Product Applied? [Enter code from above.]	Was the 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	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

12b. Were chemicals applied in 2010? [If **YES** continue. If **NO** go to Item 12c.]

Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2010 crop(s).

[Probe for applications made in the fall of 2009 (and those made earlier if this field was fallow) for the 2010 crop year.]

<i>Include herbicides, insecticides, fungicides, defoliant, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.</i>	<i>Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).</i>	T-TYPE	TABLE
		3	200
<i>Include biological and botanical pesticides.</i>		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 <small>[Enter crop code from Respondent Booklet.]</small>	4 What products were applied to this field? <small>[Show product codes 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	10		0304	0305		0306
	02	10		0304	0305		0306
	03	10		0304	0305		0306
	04	10		0304	0305		0306
	05	10		0304	0305		0306
	06	10		0304	0305		0306
	07	10		0304	0305		0306
	08	10		0304	0305		0306
	09	10		0304	0305		0306
	10	10		0304	0305		0306
	11	10		0304	0305		0306
	12	10		0304	0305		0306
	13	10		0304	0305		0306
	14	10		0304	0305		0306
	15	10		0304	0305		0306

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

Line	Pesticide 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	71 Banded/side-dressed
5 Chemigation (in irrigation water)	73 Banded/side-dressed, foliar
6 Chisel/injected or knifed in	76 T-Banded (Combo of banded and injected)
8 Direct spray, foliar	
10 Seed Treatment by producer prior to planting	SPOT TREATMENTS:
11 Broadcast, ground, not incorporated	91 Spot Treatment
13 Broadcast, ground, foliar	93 Spot treatment foliar
21 Broadcast, ground, incorporated	
31 Broadcast, aerial	
32 Broadcast, aerial, foliar	

LINE	7 When was it applied? MMDDYY	8 OR 9		10 [Enter unit code.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	xx Was the 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	11 How was this Product Applied? [Enter code from above.]	12 How many acres in this field were treated with this product? ACRES
		8 How much was applied per acre per application?	9 What was the total amount applied per application in this field?				
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

12c. Were chemicals applied in 2009? [If **YES** continue. If **NO** go to Section G.]

Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2009 crop(s).

[Probe for applications made in the fall of 2008 (and those made earlier if this field was fallow) for the 2009 crop year.]

Include herbicides, insecticides, fungicides, defoliants, growth regulators, microbial agents, miticides, nematocides, rodenticides, soil fumigants, and seed treatments.	Exclude fertilizers, adjuvants (e.g. wetting agents, stickers, spreaders, etc.).	T-TYPE	TABLE
		3	300
Include biological and botanical pesticides.		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 <small>[Enter crop code from Respondent Booklet.]</small>	4 What products were applied to this field? <small>[Show product codes 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	09		0304	0305		0306
	02	09		0304	0305		0306
	03	09		0304	0305		0306
	04	09		0304	0305		0306
	05	09		0304	0305		0306
	06	09		0304	0305		0306
	07	09		0304	0305		0306
	08	09		0304	0305		0306
	09	09		0304	0305		0306
	10	09		0304	0305		0306
	11	09		0304	0305		0306
	12	09		0304	0305		0306
	13	09		0304	0305		0306
	14	09		0304	0305		0306
	15	09		0304	0305		0306

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

Line	Pesticide 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	71 Banded/side-dressed
5 Chemigation (in irrigation water)	73 Banded/side-dressed, foliar
6 Chisel/injected or knifed in	76 T-Banded (Combo of banded and injected)
8 Direct spray, foliar	
10 Seed Treatment by producer prior to planting	SPOT TREATMENTS:
11 Broadcast, ground, not incorporated	91 Spot Treatment
13 Broadcast, ground, foliar	93 Spot treatment foliar
21 Broadcast, ground, incorporated	
31 Broadcast, aerial	
32 Broadcast, aerial, foliar	

LINE	7 When was it applied? MMDDYY	8 OR 9		10 [Enter unit code.] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams	xx Was the 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	11 How was this Product Applied? [Enter code from above.]	12 How many acres in this field were treated with this product? ACRES
		How much was applied per acre per application?	What was the total amount applied per application in this field?				
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

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 2011 crop year. By pests, we mean INSECTS, WEEDS, and PLANT DISEASES.

1. During 2011, 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 3.]	CODE
	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.]	

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		2 [If 1=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	3 [If 1=YES, ASK--] Based on the scouting report and compared to published information on threshold levels, rate the pest pressure as 1 Low 2 Medium 3 High
	YES = 1	CODE	
a. weeds?	1705	1709	
b. insects or mites?	1706	1710	
c. diseases?	1707	1711	
d. other? (specify) _____	1708	1712	

5 Was scouting for pests done in the field after a pesticide application to evaluate degree of control?

YES = 1

--

6. Were 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 thresholds to determine when to take measures to manage pests in this field?

YES = 1

1714

8. **Were field mapping data used for making weed management decisions on this field?** YES = 1
9. **Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis for this field?** YES = 1
10. **Did you conduct any of the following activities for the crops grown in 2011 SPECIFICALLY for the purpose of managing pests or reducing the spread of pests?**
- YES = 1**
- | | |
|---|------|
| a. Remove, plow down, or burn any crop or crop residue..... | 1717 |
| b. Alter crop rotation. | 1718 |
| c. Maintain ground covers, mulches, or other physical barriers. | 1719 |
| d. Use no-till or minimum till. | 1720 |
| e. Adjust row spacing or plant density..... | 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 |
| k. Cultivate for weed control during the growing season. | 1727 |
11. **Did you choose any crop variety to be planted in this field because it had resistance to a specific pest?** YES = 1
12. **Did you choose not to plant a crop in certain areas of the field in order to avoid a specific pest infestation?** YES = 1
13. **Were planting or harvesting dates adjusted for this field to manage pests?..** YES = 1
14. **Were weather data used to assist in determining either the 'need for' or 'when to' apply a pest management practice?**..... YES = 1
15. **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
16. **Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field?** YES = 1

17. In 2011, were the herbicides applied to this field based MOSTLY on—
 [Identify the 2 most important sources].

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?
X	Information from the ipmPIPE (Pest Information Platform for Extension & Education)?
10	Other (specify) _____

PRIMARY CODE

SECONDARY CODE

18. In 2011, were the insecticides applied to this field based MOSTLY on—
 [Identify the 2 most important sources].

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?
X	Information from the ipmPIPE (Pest Information Platform for Extension & Education)?
10	Other (specify) _____

PRIMARY CODE

SECONDARY CODE

19. In 2011, were the fungicides applied to this field based MOSTLY on—
 [Identify the 2 most important sources]

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?
X	Information from the ipmPIPE (Pest Information Platform for Extension & Education)?
10	Other (specify) _____

PRIMARY CODE

SECONDARY CODE

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.

1. Now, I have some questions about the irrigation of this field for the 2011, 2010 and 2009 crops.

	2011 SYSTEM TYPE CODE	2010 SYSTEM TYPE CODE	2009 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

b. Were any major changes made to the way the field was irrigated during the period 2009-2011? YES = 1

[If an irrigation system reported in 1a is a gravity system (code 10-19) then continue, else, go to Item 5.]

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

	2011	2010	2009
	1520	1521	1522

[If YES, continue, if NO, go to Item 5.]

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

	2011	2010	2009
	1523	1524	1525

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

	2011	2010	2009
	1526	1527	1528

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

(1) Was laser leveling used? YES = 1

	2011	2010	2009
	1529	1530	1531

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

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

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

1565	1566	1567
------	------	------

Enumerator Note: *If irrigation system reported in 1a is a pressure system (codes= 1-9), continue, else go to Item 7.*

	YEAR
3. What year was your pressure system installed?..... ..	1534 _____
4. What year was your pressure system last refurbished?..... ..	1535 _____

5. 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. |

	2011	2010	2009
.....	1536	1537	1538

6. Do you manage irrigation to address salinity problems in this field?.....

YES=1	1539 _____
-------	---------------

COMPLETION CODE FOR IRRIGATION	2011	2010	2009
	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 2011, 2010 and 2009 crop years
- Begin with the first field operation for the 2011 crop (after harvesting of 2010 crop.)
 - List the operations in order by crop year, through harvest.
 - Maintain the order of tandem hook-ups.

a. **Let's start with the 2011 crops.**

CHECK LIST

Include all field work using machines for--

- | | |
|---|--|
| <input type="checkbox"/> Land Forming
<input type="checkbox"/> Tillage
<input type="checkbox"/> Preparing for Irrigation before seeding
<input type="checkbox"/> Custom Operations | <input type="checkbox"/> Planting
<input type="checkbox"/> Harvesting
<input type="checkbox"/> Hauling within field
<input type="checkbox"/> Residue Management |
|---|--|

Exclude all field work 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 |
|---|---|

1 Crop Year	2 Sequence Number	Crop Name	3 What crop was associated with this operation?	4 What operation or equipment was used on this field?	5 Machine Code <small>[Record from Respondent Booklet.]</small>	6 What was the timing of the field operation?	7 What was the depth of tillage for tillage/planting operations?
YEAR	NUMBER		CODE		CODE	MMDYY	INCHES
2011	3005		3006		3007	3008	3009
2011	3015		3016		3017	3018	3019
2011	3025		3026		3027	3028	3029
2011	3035		3036		3037	3038	3039
2011	3045		3046		3047	3048	3049
2011	3055		3056		3057	3058	3059
2011	3065		3066		3067	3068	3069
2011	3075		3076		3077	3078	3079
2011	3085		3086		3087	3088	3089
2011	3095		3096		3097	3098	3099
2011	3105		3106		3107	3108	3109
2011	3115		3116		3117	3118	3119
2011	3125		3126		3127	3128	3129
2011	3135		3136		3137	3138	3139
2011	3145		3146		3147	3148	3149
2011	3155		3156		3157	3158	3159
2011	3165		3166		3167	3168	3169
2011	3175		3176		3177	3178	3179

2011 EDIT FIELD OPERATIONS TABLE

3004

b. Now let's continue with 2010 crop year.

- Begin with the first field operation for the 2010 crop (after harvesting of 2009 crop.)

CHECK LIST

Include all field work using machines for--

- Land Forming Planting
 Tillage Harvesting
 Preparing for Irrigation before seeding Hauling within field
 Custom Operations Residue Management

Exclude all field work using machines for--

- Lime & Gypsum applications
 Fertilizers, Manure & Pesticides applications
 Hauling from field edge to storage

1 Crop Year	2 Sequence Number	Crop Name	3 What crop was associated with this operation?	4 What operation or equipment was used on this field?	5 Machine Code [Record from Respondent Booklet.]	6 What was the timing of the field operation?	7 What was the depth of tillage for tillage/planting operations?
YEAR	NUMBER		CODE		CODE	MMDDYY	INCHES
2010	3305		3306		3307	3308	3309
2010	3315		3316		3317	3318	3319
2010	3325		3326		3327	3328	3329
2010	3335		3336		3337	3338	3339
2010	3345		3346		3347	3348	3349
2010	3355		3356		3357	3358	3359
2010	3365		3366		3367	3368	3369
2010	3375		3376		3377	3378	3379
2010	3385		3386		3387	3388	3389
2010	3395		3396		3397	3398	3399
2010	3405		3406		3407	3408	3409
2010	3415		3416		3417	3418	3419
2010	3425		3426		3427	3428	3429
2010	3435		3436		3437	3438	3439
2010	3445		3446		3447	3448	3449
2010	3455		3456		3457	3458	3459
2010	3465		3466		3467	3468	3469
2010	3475		3476		3477	3478	3479

2010 EDIT FIELD OPERATIONS TABLE

3003

c. Please answer the following for 2009 crop year.

- Begin with the first field operation for the 2009 crop (after harvesting of 2003 crop.)

CHECK LIST

Include all field work 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 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 |

1 Crop Year	2 Sequence Number	Crop Name	3 What crop was associated with this operation?	4 What operation or equipment was used on this field?	5 Machine Code [Record from Respondent Booklet.]	6 What was the timing of the field operation?	7 What was the depth of tillage for tillage/planting operations?
YEAR	NUMBER		CODE		CODE	MMDDYY	INCHES
2009	3605		3606		3607	3608	3609
2009	3615		3616		3617	3618	3619
2009	3625		3626		3627	3628	3629
2009	3635		3636		3637	3638	3639
2009	3645		3646		3647	3648	3649
2009	3655		3656		3657	3658	3659
2009	3665		3666		3667	3668	3669
2009	3675		3676		3677	3678	3679
2009	3685		3686		3687	3688	3689
2009	3695		3696		3697	3698	3699
2009	3705		3706		3707	3708	3709
2009	3715		3716		3717	3718	3719
2009	3725		3726		3727	3728	3729
2009	3735		3736		3737	3738	3739
2009	3745		3746		3747	3748	3749
2009	3755		3756		3757	3758	3759
2009	3765		3766		3767	3768	3769
2009	3775		3776		3777	3778	3779

2009 EDIT FIELD OPERATIONS TABLE

3002

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.)

		ACRES
1. During the 2011 crop year, how many total acres did this operation --		
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?

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
--	---------------

L

OPERATOR AND OPERATION CHARACTERISTICS

L

1. In 2011, 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 2011, 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 2010;

What code represents the total gross value of sales for this operation in 2010?

- 99 None during 2010
- 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 2 TOBACCO 3 COTTON and COTTONSEED 4 VEGETABLES, MELONS and POTATOES 5 FRUIT TREES, NUTS and BERRIES 6 NURSERY, GREENHOUSE, FLORICULTURE and SOD 7 CUT CHRISTMAS TREES and SHORT WOODY CROPS 8 OTHER CROPS and HAY, CRP and PASTURE	9 HOGS and PIGS 10 MILK and OTHER DAIRY PRODUCTS FROM COWS 11 CATTLE and CALVES 12 SHEEP, GOATS, and THEIR PRODUCTS 13 HORSES, PONIES and MULES 14 POULTRY and EGGS 15 AQUACULTURE 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?]

b. [pesticide
data?]

c. [manure data?].

	CODE
YES = 1	0026
YES = 1	0027
YES = 1	0028

2. [Did the respondent use a Conservation Plan to complete Section B?].

	CODE
YES = 1	0029

SUPPLEMENTS USED

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

	NUMBER
FERTILIZER APPLICATIONS	0030
PESTICIDE APPLICATIONS	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	9901	1- Op/Mgr	9902	3-Face-to-Face	9903	0098	0100	0007	0002	0003
2-R		2-Sp								
3 - I		3-Acct/Bkpr								
		4-Partner								
								11		
S/E Name										