USDA

AGRICULTURAL RESOURCE MANAGEMENT SURVEY

CORN PRODUCTION PRACTICES AND COSTS REPORT

for 2010

NATIONAL AGRICULTURAL STATISTICS SERVICE

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

ERS ECONOMIC RESEARCH SERVICE

CONTACT RECORD		
DATE	TIME	NOTES

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

We are collecting information on practices and costs to produce corn and need your help to make the information as accurate as possible. Authority for collection of information on the Corn Production Practices and Costs Report is Title 7, Section 2204 of the U.S. Code. This information will be used for economic analysis and to compile and publish estimates for your region and the United States. Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes. Response is **voluntary**.

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

BEGINNING TIME [*MILITARY*]

H H M M

0004 __ __ __ __

SCREENING BOX

0006

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

POID __ __ __ __ __ __ __ __ __ __	**POID** __ __ __ __ __ __ __ __ __ __
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
POID __ __ __ __ __ __ __ __ __ __	**POID** __ __ __ __ __ __ __ __ __ __
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

A CORN FIELD SELECTION A

TOTAL PLANTED ACRES

1. **How many acres of corn did this operation plant for the 2010 crop year?** . . . . . 0050 .___

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

2. **I will follow a simple procedure to make a random selection from the corn fields planted for the 2010 crop.**

TOTAL NUMBER OF FIELDS PLANTED

What is the TOTAL number of corn fields that were planted on this operation? 0020
[*If only one field, enter "1" and go to item 5.*]. . . . . .

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

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

FIELD NAME, NUMBER OR DESCRIPTION	FIELD NAME, NUMBER OR DESCRIPTION
1	10
2	11
3	12
4	13
5	14
6	15
7	16
8	17
9	18

APPLY "RANDOM NUMBER" LABEL HERE

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

SELECTED FIELD NUMBER

0021

5. **The field selected is** _____ (*field name/number/description*)**.**

During this interview, the corn questions will be about this selected corn field.
[*Be sure the operator can identify the selected field.*]

6. **FOR WISCONSIN ONLY: Was the selected field in an Atrazine Prohibition Area?**

☐ **YES** – [*Enter code 1*] ☐ **DON'T KNOW** – [*Enter code 2*] ☐ **NO** – [*Enter code 3*]. . . . . .

CODE

0039

OFFICE USE
OY Field Substituted

0022

B FIELD CHARACTERISTICS---SELECTED FIELD B

1. **How many acres of corn did this operation plant in this field for the 2010 crop?** . . . . . ACRES 1301 .__

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

[*If YES, skip 1b and ask item 2*.]

b. Was this field transitioning into organic corn production in 2010? . . . . . **YES = 1** CODE 1399

2. **Were the acres in this field---**

1 owned by this operation?
2 rented for CASH with the payment being a fixed cash amount?
3 rented for CASH with the payment being a flexible cash amount?
4 rented for a SHARE of the crop?
5 rented for some combination of CASH and SHARE of the crop?
6 used RENT FREE?

. . . . CODE 1302

3. [*If field is CASH RENTED* (item 2 = 2, 3, or 5)*, ask item 3*; *else go to item 4.*]
What was the cash rent paid per acre for this 2010 corn field? . . . . . DOLLARS & CENTS PER ACRE 1303 .__ __

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

5. [*If field is RENTED* (item 2 = 2, 3, 4, or 5)*, ask*---]
What was the total cost for all inputs provided by any landlord for the 2010 crop on the selected field? (***Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation.* ***Exclude*** *real estate tax expenses and lime costs paid by the landowner.*) . . . . . DOLLARS & CENTS PER ACRE 1305 .__ __ OR TOTAL DOLLARS 1306

6. **What was the total cost for all inputs provided by any contractor for the 2010 crop on the selected field?** (***Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation.*) . . . . . DOLLARS & CENTS PER ACRE 1309 .__ __ OR TOTAL DOLLARS 1310

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

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

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

1 GRAIN
2 SILAGE
4 SEED
25 OTHER

. . . . . **CODE** 1327

a. [*If item 9 = 1, ask*---]

What was the intended purpose for the grain---

1 FOOD
2 ETHANOL
3 FEED
4 OTHER [*Specify*: _____]
5 UNKNOWN (Delivered to elevator)

. 1316

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

11. **What was the seeding/planting rate per acre the first time this field was planted?** . . . . .

UNIT CODES for Seeding Rate
1=Pounds/Acre
2=CWT/Acre
4=Bushels/Acre
25=Kernels-Seeds/Acre
38=Kernels-Seeds/Foot

UNITS	
1313 .____	1314

12. **How many acres in this field had to be replanted to corn?**
(*Acres replanted = Number of acres x Number of times replanted*) . . . . . **ACRES** 1315 .___

13. **What was the total cost per unit** (*including operator, landlord, and contractor costs*) **of purchased seed for this field?** (***Include*** *cost of seed treatment and any seed technology fee*.) . . . . .

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

DOLLARS & CENTS PER UNIT	
1319 .___ ___	1320

SEED TYPE - CORN

1 Genetically-modified **herbicide resistant** seed variety (*e.g. LIBERTYLINK; ROUNDUP READY CORN*)

2 Non-genetically-modified **herbicide resistant** seed variety (*e.g. IMI-CORN*)

3 Genetically-modified **Bt** variety for insect resistance to control the European Corn Borer (**Bt-ECB**) (*e.g. YIELDGARD, YIELDGARD CORN BORER, HERCULEX I, NATUREGARD, KNOCKOUT*)

4 Genetically-modified **Bt** variety for insect resistance to control the corn rootworm (**Bt-CRW**) (*e.g. YIELDGARD ROOTWORM, HERCULEX RW*)

5 **Stacked** gene (trait) variety with both genetically-modified **Bt-ECB** and **Bt-CRW** (*e.g. YIELDGARD PLUS, HERCULEX XTRA*)

6 **Stacked** gene variety with **two** genetically-modified herbicide resistant traits (*e.g. LIBERTYLINK + ROUNDUP READY*)

7 **Stacked** gene variety with both genetically-modified **Bt-ECB and herbicide resistant** (*e.g. YIELDGARD + ROUNDUP READY, YIELDGARD CORN BORER WITH ROUNDUP READY CORN 2, HERCULEX I + LIBERTYLINK*),

8 **Stacked** gene variety with both genetically-modified **Bt-CRW and herbicide resistan**t (*e.g. YIELDGARD ROOTWORM WITH ROUNDUP READY CORN 2, HERCULEX CW + ROUNDUP READY CORN*)

9 **Triple stacked** gene variety with genetically-modified Bt-ECB and Bt-CRW plus herbicide resistant traits(*e.g. YIELDGARD PLUS WITH ROUNDUP READY CORN 2, HERCULEX XTRA + LIBERTYLINK)*

10 *New* **stacked** gene varieties that, in addition to the ECB and the rootworm, can control the corn earworm (*e.g. YIELDGARD VT TRIPLE WITH ROUNDUP READY 2, GENUITY VT TRIPLE PRO*)

11 *New* multiple (more than three) trait **stacked** variety with several Bt traits and two herbicide resistant traits—glyphosate (Roundup) and glufosinate (Liberty) (*e.g.GENUITY SMARTSTAX)*

12 None of the above

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

CODE

a. in 2010 1321

b. in 2009 [*Leave blank if corn was not on this field in 2009*.] 1322

15. [*If item 14a = 1,2 or 12, ask*---]
Which of the following reasons influenced you the most in deciding not to plant Bt corn on this field in 2010---

1 Did not expect to have enough corn borers and/or corn rootworms to justify the cost of Bt corn.
2 Concerned about finding a market for Bt corn.
3 This field was used as refuge in 2010.
4 Concerned about the environmental impact of Bt corn.
5 Not aware of Bt Seed.
6 Other [*Specify* _____]

. . . . . **CODE** 1324

16. [*If item 14a does NOT equal 12, ask*---]
Did you choose the resistant seed variety used on this field primarily to---

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

. . . . . **CODE** 1325

PERCENT

17. **What percentage of the field was used as refuge for insect pests in order to comply with Bt corn insect resistance management guidelines?** 1326

18. **Did you purchase seed treated with---**

		CODE
a. a fungicide (e.g., Trilex, Allegiance, or other seed treatments)?	**YES = 1**	1317
b. an insecticide (e.g., Poncho, Gaucho or Cruiser seed treatment)?	**YES = 1**	1323
c. a nematicide (e.g., Acceleron or Avicta seed treatment)?	**YES = 1**	1318

19. **Was the corn in the field produced under a production contract?**
(***Exclude*** *corn sold under a marketing contract*.) . . . . . **YES = 1** 1329

20. **Has harvest of this field been completed?** . . . . . **YES = 1** 1328

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

How many acres in this corn field were (*or will be*)---	**ACRES**	1 **What yield per acre did you** (*or do you expect to*) **get for corn---** **UNITS PER ACRE**	2 **UNIT CODE** 1 POUNDS 2 CWT 3 TONS 4 BUSHELS **CODE**
a. harvested for grain?	1346 .___	1347 .___	1348
b. harvested for silage or green chop?	1349 .___	1350 .___	TONS
c. harvested for commercial seed contract?	1431 .___	1432 .___	1433
d. abandoned?	1351 .___		
e. used for some other purpose?	1439 .___		

22. **Were the stalks/stover harvested from this field?** CODE

☐ **YES** - [*Enter code 1 and go to item 23*] **NO** - [*Ask 22a, then go to item 24*]. 1354

a. [*If the stalks/stover were not harvested, ask*---]

What was the primary reason for not harvesting the corn stalks/stover?. . . . . .

1 No market/use for corn stalks/stover
2 Harvesting was not profitable
3 The corn stalks/stover were left as organic material for the soil
4 The stalks/stover were left for livestock grazing
5 Other [*Specify* _____]

CODE 1398

23. **How many acres of corn stalks/stover were harvested from this corn field?** . . . . . ACRES 1355 .___

a. How many **tons** of corn **stalks/stover** were harvested from these corn acres (*item 24*)? . . . . . TOTAL TONS 1356

_____.__ (Tons per Acre) X _____ (Acres) = _____ (Total Tons) **OR** _____ (Bales) X _____ (Lbs per Bale) ÷ 2000 (Lbs per Ton) = _____ (Total Tons)

24. **Did any livestock graze this corn field after harvest of the 2010 corn crop?**

☐ **YES** - [*Enter code 1 and continue*] ☐ **NO** - [*Go to item 26*]. . . . . **CODE** 1400

25. **What type of livestock grazed this corn field after harvest of the 2010 corn crop?** . . . . . 1 Cattle 2 Sheep 3 Other [*Specify* _____] . . . . . **CODE** 1361

a. About how many **head** of livestock (*item 25*) grazed this corn field?. . . . . **HEAD** 1362

b. How many **days** did this livestock graze on this corn field?. . . . . **DAYS** 1363

CROP CODE LIST for item 26 – PREVIOUSLY PLANTED CROPS

190	Barley	3	Dry Beans	21	Rice	193	Tobacco, burley
85	Canola	17	Dry Peas	22	Rye	196	Tobacco, flue cured
310	Clover	311	Grasses other than clover	98	Safflower	42	Vegetables
6	Corn for grain	1	Hay, alfalfa	25	Sorghum for grain	163	Wheat, durum
5	Corn for silage	11	Hay, all other	24	Sorghum for silage	164	Wheat, other spring
282	Cotton, Pima	94	Mustard Seed	26	Soybeans	165	Wheat, winter
281	Cotton, Upland	15	Oats	28	Sugarbeets		
302	CRP	16	Peanuts	30	Sunflowers	318	**No crop planted** during this period
		20	Potatoes	31	Sweet Potatoes		

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

1 **What crops were PLANTED on this field in---** SEASON AND YEAR	CROP NAME	CROP CODE	2 **Was this a cover crop?** YES = 1	3 **How did you manage this crop?** 1 Plowed-in 2 Chisled-in 3 Chemical-killed 4 Rolled 5 Grazed 6 Harvested 7 Disked	4 **Was this field irrigated?** YES = 1	5 **Was this field no-tilled?** 1/ YES = 1
a. **FALL of 2009?**.		1343	1470	1471	1344	1345
b. **SPRING/SUMMER of 2009?**. . . .		1369	1472	1473	1370	1371
c. **FALL of 2008?**.		1372	1474	1475	1373	1374
d. **SPRING/SUMMER of 2008?**. . . .		1375	1476	1477	1376	1377
e. **FALL of 2007?**.		1378	1478	1479	1379	1380
f. **SPRING/SUMMER of 2007?**. . . .		1381	1480	1481	1382	1383
g. **FALL of 2006?**.		1366	1482	1483	1367	1368
h. **SPRING/SUMMER of 2006?**. . . .		1340	1484	1485	1341	1342

1/ *Soil and previous crop residue left undisturbed from harvest to planting.*

	DOLLARS & CENTS PER ACRE
i. [*If a cover crop was planted in Spring/Summer/Fall 2009, ask*---] What was the seed cost per acre for the cover crop?.	1468 .___ ___

27. **In 2010, did your land-use practices for this field include any of the following---**

1 **LAND-USE PRACTICE**	2 **Was this practice used?** **YES = 1**	3 **What year was this practice first used?** **YEAR**	4 **Was** (*or will there be*) **an incentive or cost-share received from:** 1 Environmental Quality Incentives Program (EQIP)? 2 Conservation Security or Conservation Stewardship Programs (CSP)? 3 Conservation Reserve Program (CRP)? 4 Any other Federal, State, Local or non-government source? **CODE**
a. **Structures for soil erosion control?**.	1421		
(i) Terraces.	1420	1441 ___ ___ ___ ___	1451
(ii) Grade stabilization structures.	1422	1442 ___ ___ ___ ___	1452
b. **Structures for storm water runoff control/handling?**.	1423		
(i) Grassed waterways.	1438	1443 ___ ___ ___ ___	1453
(ii) Structures for water control basins.	1424	1444 ___ ___ ___ ___	1454
c. **Filter strips or other conservation buffers?**.	1425		
(i) Filter strips.	1426	1445 ___ ___ ___ ___	1455
(ii) Field borders.	1427	1446 ___ ___ ___ ___	1456
(iii) Riparian buffers (*i.e., grass buffers*).	1428	1447 ___ ___ ___ ___	1457
d. **Other Practices?**.	1435		
(i) Contour farming and strip cropping.	1434	1448 ___ ___ ___ ___	1458
(ii) Conservation tillage / no-till.	1437	1449 ___ ___ ___ ___	1459
(iii) Other Practices [*Specify* _____] . . .	1436	1450 ___ ___ ___ ___	1460

OFFICE USE

1440

CODE

28. **Has the Natural Resource Conservation Service** (NRCS) **classified any part of this field as "Highly Erodible"?** . . . . . **YES = 1** | 1404 |

29. **Have you been notified by NRCS that this field contains a wetland?** . . . . . **YES = 1** | 1405 |

30. **In 2010, did you receive technical assistance for planning, installing, maintaining, or using conservation practices or systems on this field?**
(***Include*** *grassed waterways and filter strips or riparian buffers, or drainage area, on or adjoining this field.* ***Include*** *assistance from any source whether paid for or free.*) . . . . . **YES = 1** | 1406 |

31. **Is this field included in an existing conservation program contract for which you or the landlord have received** (*or expect to receive*) **cost sharing payments, stewardship payments, or incentive payments?** [*Be sure to consider grassed waterways and filter strips or riparian buffers, or drainage area, on or adjoining this field. Also, be sure to consider payments that are part of this contract but were made before 2010 or payments that are anticipated for future years.*] . . . . . **YES = 1** | 1407 |

[*If item 31 is YES, ask item 31a*; *else go to item 31b.*]

a. Have you received (*or will you receive*) cost sharing or incentive payments from---

b. Was this field included in a conservation program application that was rejected from---

1	Environmental Quality Incentives Program (EQIP)
2	Conservation Security or Conservation Stewardship Programs (CSP)
3	Conservation Reserve Program (CRP)
4	Other Federal, State, Local or non-government source

a. . . . . | 1418 |

b. . . . . | 1419 |

32. **During 2010, did any written plan of the following types cover this field---**
(*A "written plan" is a plan prepared in accordance with Federal, State, or district standards.*)

1 **WRITTEN PLAN TYPE**	2 **Was this type of written plan used?** **YES = 1**	3 **What year was this plan implemented?** **YEAR**	4 **For any practice that is part of this plan, was** (*or will there be*) **an incentive or cost-share payment received from:** 1 Environmental Quality Incentives Program (EQIP)? 2 Conservation Security or Conservation Stewardshio Programs (CSP)? 3 Conservation Reserve Program (CRP)? 4 Any other Federal, State, Local or non-government source? **CODE**
a. Conservation plan specifying practices to reduce soil erosion?.	1408	1409 — — — —	1461
b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure?.	1410	1411 — — — —	1462
c. Nutrient management plan specifying practices for land application of manure only?.	1412	1413 — — — —	1463
d. Pest management plan to implement Integrated Pest Management (IPM) practices to control weeds, insects, and/or plant diseases?.	1414	1415 — — — —	1464
e. Irrigation water management plan specifying practices for applying or conserving irrigation water?.	1416	1417 — — — —	1465

33. [*If item 32a, b, c, d, or e is YES, ask*---]

Have you ever paid any technical service provider or consultant to develop or write any of these plans for which you or the landowner were reimbursed by the Natural Resource Conservation Service? . . . . . **YES = 1**

CODE 1352

a. [*If YES, ask*---]
What was the reimbursement amount for developing these plans for this field? (***Include*** *landlord's/contractor's share.* ***Exclude*** *cost of construction or materials*.) . . . . . .

DOLLARS & CENTS PER ACRE 1353 .___ ___ OR TOTAL DOLLARS 1384

34. **Was the corn in this field covered by Federal Crop Insurance in 2010?**

☐ **YES** – [*Enter code 1 and continue*] ☐ **NO** – [*Go to item* 35]. . . . . .

CODE 1385

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

1 Basic catastrophic insurance (*Federal CAT*)
2 Buy-up above basic federal CAT level
3 Revenue insurance
4 Organic plan insurance
5 Other Federal Crop insurance

. . . . . .

CODE 1386

(i) [*If item a = 3, ask*---]
What was the level of revenue coverage you obtained for this field?. . . . . .

PERCENT 1389

b. In what year did you (*the operator listed on the label*) first enroll this field in the Federal crop insurance program?. . . . . .

YEAR 1387 ___ ___ ___ ___

c. What is the 2010 Approved APH (*actual production history*) yield for this field?. . . . . .

BUSHELS PER ACRE 1388

d. What was the premium paid for Federal crop insurance for this field in 2010? (***Exclude*** *any sign-up fee.*). . . . . .

DOLLARS & CENTS PER ACRE 1390 .___ ___ OR TOTAL DOLLARS 1391

e. Did you (*or will you*) collect an indemnity payment for this field from federal crop insurance during 2010?. . . . . **YES = 1**

CODE 1392

35. **Was the corn in this field covered by private crop insurance in 2010** (*hail, wind, freeze, etc.*)**?**

☐ **YES** – [*Enter code 1 and continue*] ☐ **NO** – [*Go to* ***Section C***]. . . . . .

CODE 1393

a. What was the premium paid for private crop insurance for this field in 2010? (***Exclude*** *any sign-up fee.*). . . . . .

DOLLARS & CENTS PER ACRE 1395 .___ ___ OR TOTAL DOLLARS 1396

b. In what year did you (*the operator listed on this label*) first purchase private crop insurance for this field?. . . . . .

YEAR 1397 ___ ___ ___ ___

c. Did you (*or will you*) collect an indemnity payment for this field from private crop insurance during 2010?. . . . . **YES = 1**

CODE 1394

C NUTRIENT or FERTILIZER APPLICATIONS---SELECTED FIELD C

	CODE	EDIT TABLE
1. **Were commercial nutrients or fertilizers applied to this field for the 2010 corn crop?** . . . . . YES = 1	0202	0201

2. [*If COMMERCIAL nutrient or fertilizer applied, continue; else go to item 7.*]

	NUMBER
3. **How many commercial nutrient or fertilizer applications were made to this field for the 2010 crop?** (***Include*** *applications made by airplanes and custom applicators*)	0203

4. **Now I need to record information for each application.**

CHECKLIST

✓ INCLUDE	✓ EXCLUDE
☐ Custom applied nutrients or fertilizers	☐ Micronutrients
☐ Nutrients or fertilizers applied in the fall of 2009 and those applied earlier if this field was fallow in 2009	☐ Unprocessed manure
☐ Commercially prepared manure or compost	☐ Nutrients or fertilizers applied to previous crops in this field
	☐ Lime and gypsum/landplaster

	T-TYPE 2	TABLE 001
LINE 99	OFFICE USE LINES IN TABLE	0213

NITROGEN CODES for COLUMN 2

1 anhydrous ammonia
2 nitrogen solution (UAN)
3 urea
4 ammonium nitrate
5 sodium nitrate
6 ammonia sulfate
7 potassium nitrate, magnesium nitrate, and calcium nitrate
8 other nitrogen fertilizer material [*specify:* _____]

APPLICATION CODES for COLUMN 6

1 Broadcast, ground without incorporation
2 Broadcast, ground with incorporation
3 Broadcast, by aircraft
4 In seed furrow
5 In irrigation water
6 Chisel/Injected or knifed in
7 Banded in or over row
8 Foliar or directed spray

LINE	2 MATERIALS USED [*Enter percentage analysis or actual pounds of plant nutrients applied per acre*.] [*Show Common Nutrients or Fertilizers in Respondent Booklet*.] [Refer to nitrogen code list above for type of nitrogen used.]					3 What quantity was applied per acre? [*Leave this column blank if actual nutrients were reported.*]	4 [Enter material code.] 1 Pounds 12 Gallons 19 Pounds of actual nutrients	5 When was this applied? 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding	6 How was this applied? [*Refer to code list above.*]	7 How many acres were treated in this application? ACRES
	N Nitrogen	**P_2O_5** Phosphate	**K_2O** Potash	**S** Sulfur	Type of **N** used					
01	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
02	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
03	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
04	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
05	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
06	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
07	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___
08	0205	0206	0207	0214	0290	0208	0209	0210	0211	0212 .___

T-TYPE 0	TABLE 000	LINE 00

5. **Were any nutrients or fertilizers applied by custom applicators?**

☐ **YES** - [*Continue*] ☐ **NO** - [*Go to item 6*]

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

☐ **YES** - [*Continue*] ☐ **NO** - [*Go to item 6*]

OFFICE USE

0215

b. Excluding the cost of the nutrient or fertilizer materials, how much was spent for custom application of nutrients or fertilizers on this field? (***Include*** *operator, landlord, and contractor costs*. ***Include*** *costs for sulfur and micronutrients.* ***Exclude*** *custom application of lime, gypsum, purchased manure and purchased compost*.) [*If material and application costs can't be separated,* ***exclude*** *them here and record the total in item 6.*]. . . . . .

DOLLARS & CENTS PER ACRE

0219 .___ ___

OR

TOTAL DOLLARS

0220

6. **What was the TOTAL COST of all nutrient or fertilizer products applied to this field?** (***Include*** *operator, landlord, and contractor costs as well as the costs for sulfur, micronutrients, and nitrogen inhibitors*. [*If custom applied and the cost of materials can be separated from application costs,* ***include*** *the cost of materials ONLY; otherwise, include both the material and application costs.*] ***Include*** *materials applied to this field if it was fallow in 2009*. ***Exclude*** *lime, gypsum, purchased manure, and purchased compost*.). . . . . .

DOLLARS & CENTS PER ACRE

0221 .___ ___

OR

TOTAL DOLLARS

0222

CODE

7. **Was gypsum applied to this field for the 2010 corn crop?**. . . . . **YES = 1**

0218

UNIT CODES

1 POUNDS
2 CWT
3 TONS
4 BUSHELS
5 BARRELS

UNITS PER ACRE

8. **What was your yield goal at planting for this field?**. . . . . 0216 .___

0217

9. **Was a soil or plant tissue test performed on this corn field in 2009 or 2010 for the 2010 crop?**

☐ **YES** [*Continue*] ☐ **NO** [*Go to item 14*]

CODE

10. **Was a soil test for phosphorus performed on this corn field in 2009 or 2010 for the 2010 crop?**. . . . . **YES = 1**

0225

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

POUNDS PER ACRE

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

0226

CODE

11. **Was a soil test for nitrogen performed on this corn field in 2009 or 2010 for the 2010 crop?**. . . . . **YES = 1**

0227

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

POUNDS PER ACRE

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

0228

CODE

12. **Was a plant tissue test or leaf analysis for nutrient deficiency performed on this field for the 2010 crop?**. . . . . **YES = 1**

0229

13. **How much was spent for these soil and plant tissue tests on this field?** (***Include*** *operator, landlord, and contractor costs*.) . . . . . | **DOLLARS & CENTS PER ACRE** 0230 .___ ___ | **OR** | **TOTAL DOLLARS** 0231

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

1 Soil/plant tissue test provided free of charge by dealer, crop consultant, or extension service
2 Soil/plant tissue test costs were included in the total fertilizer costs reported in item 6
3 Some other reason

. . . . . **CODE** 0232

14. [**ENUMERATOR ACTION*:*** *Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete items 15, 16 and 17. If NO nitrogen applied, go to item 18.*]

15. **Was the amount of nitrogen you decided to apply to this field based on---**

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

16. **Did you purchase any commercial nitrogen fertilizer applied to this field under contract or otherwise pre-purchase the fertilizer at a pre-determined price prior to planting?** . . . . . **YES = 1** | **CODE** 0223

a. [*If YES, ask*---]
What month prior to planting for the 2010 crop did you contract for the fertilizer used on this field? [*Enter code "1" for January, "2" for February, etc.*]. . . . . | **CODE** 0224

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

1 Nitrification inhibitors (*such as N-Serve*)
2 Urease inhibitors (*such as Agrotain*)
3 Chemical-coated fertilizers (*such as sulfur-coated urea and polymer-coated urea*)
4 Other inhibitors
5 None

. . . . . **CODE** 0241

a. [*If nitrogen inhibitors were used, continue; else go to item 18.*]

How much nitrogen inhibitor did you mix with the nitrogen applied to this field? . . . . . | **POUNDS PER ACRE** 0295 .___ | **OR** | **GALLONS PER ACRE** 0296 .___

b. What was the cost of the nitrogen inhibitors used on this field? (***Include*** *operator, landlord, and contractor costs*.) . . . . . | **DOLLARS AND CENTS PER POUND** 0297 .___ ___ | **OR** | **DOLLARS AND CENTS PER GALLON** 0298 .___ ___

18. **Is lime ever applied to this field?** . . . . . **YES = 1** — CODE: 0242

[*If no lime applied, go to item 19; else continue*.]

a. On average, how many years are there between applications of **lime** to this field? . . . . . — YEARS: 0243

b. How many tons of **lime** were applied per acre the last time it was applied to this field? . . . . . — TONS PER ACRE: 0244 .___

c. Was lime applied to this field in 2009 or 2010 for the 2010 crop? . . . . . **YES = 1** — CODE: 0240

d. [*If field is rented* (Section B, item 2 = 2, 3, 4, or 5), *ask*---]
Considering the last time it was applied, what percent of the total cost of lime and its application was paid by the landlord(s)? . . . . . — PERCENT: 0245

19. **Was non-commercial (unprocessed) manure** (*from own farm, from a neighbor's farm, etc.*) **or other organic material** (*excluding compos*t) **applied to this field for the 2010 corn crop?**
(***Exclude*** *commercially prepared manure*.)
☐ **YES** - [*Enter code 1 and continue*] ☐ **NO** - [*Go to item 21*] . . . . . — CODE: 0246

a. How many acres in this field was manure applied to? . . . . . — ACRES: 0247 .___

b. What was the amount of manure applied to this field? . . . . . (1 TONS, 2 GALLONS, 3 BUSHELS) . . . — CODE: 0248 **AND** UNITS PER ACRE: 0249 .___ ___ **OR** TOTAL UNITS: 0250 .___

c. What is the distance between the manure storage/production location and this field? . . . . . — MILES: 0251 .___

d. What was the capacity of the manure spreader (*or other vehicle*) used to haul manure to this field? . . . (1 TONS, 2 GALLONS, 3 BUSHELS) — CODE: 0252 **AND** TOTAL UNITS: 0253 .___ ___

e. Of the total manure applied to this field for the 2010 crop, what was the percent of manure applied--- — PERCENT

(i) in the fall before planting? . . . . . **+** 0254

(ii) in the spring before planting? . . . . . **+** 0255

(iii) after planting? . . . . . **+** 0256

100%

f. Was the manure--- (1 Lagoon liquid? 2 Slurry liquid? 3 Semi-dry or dry?) . . . . . — CODE: 0257

g. Was the manure--- (1 Broadcast or sprayed *without* incorporation? 2 Broadcast or sprayed *with* incorporation? 3 Injected/knifed in? 4 Sprayed using irrigation systems?) . . . . . — CODE: 0258

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

1 Beef cattle?
2 Dairy cattle?
3 Hogs?
4 Sheep?
5 Poultry?
6 Equine?
7 Biosolids (*municipal sludge*)?
8 Food waste?
9 Other? [*Specify* _____]

. . . . . CODE 0259

i. Was the manure---

1 Produced on this operation?
2 Purchased?
3 Obtained at no cost off this operation?
4 Obtained with compensation? (*Operator received payment for accepting the manure*.)

. . . . . CODE 0260

(i) [*If item i = 2, ask*---]

What was the total cost of the purchased manure applied to this field? (***Include*** *operator, landlord, and contractor costs and any payment made for transportation costs.*) . . . . . DOLLARS & CENTS PER ACRE 0284 .___ ___ OR TOTAL DOLLARS 0285

(ii) Did you hire someone to custom apply the manure? . . . . . **YES = 1** CODE 0286

(1) [*If YES, ask*---]

What was the total cost paid to have manure custom applied to this field? (***Include*** *operator, landlord, and contractor costs.*) [*Do not report custom application cost if it was included with the purchased manure cost.*]. . . . . DOLLARS & CENTS PER ACRE 0287 .___ ___ OR TOTAL DOLLARS 0288

j. Of the manure applied to this field, was any tested for nutrient content prior to application?. . . . . **YES = 1** CODE 0261

k. Was the application rate of commercial nitrogen fertilizer on this field reduced due to manure application?. . . . . **YES = 1** 0262

(i) [*If YES, ask*---]

By what percent did you reduce the commercial nitrogen fertilizer application rate on this field?. . . . . PERCENT 0263

l. Did you adjust the corn harvest date for this field due to the application of manure?. . . . . **YES = 1** CODE 0280

20. **Were the manure APPLICATION RATES to this field influenced by Federal, State, or local restrictions?**. . . . . **YES = 1** CODE 0264

a. [*If item 20 is YES, ask*---]

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

(i) Nitrogen requirement of the crop?. . . . . **YES = 1** CODE 0265

(ii) Phosphorus requirement of the crop?. . . . . **YES = 1** 0266

21. **Was compost applied to this field for the 2010 corn crop?**

☐ **YES** - [*Enter code 1 and continue*] ☐ **NO** - [*Go to **Section D***]. . . . . **CODE** 0267

a. To how many acres in this field was the compost applied?. . . . . **ACRES** 0268 .___

b. What was the amount of compost applied to this field?. . . . . 1 Tons 2 Cubic Yards . . . **CODE** 0269 **AND** **UNITS PER ACRE** 0270 .___ ___ **OR** **TOTAL UNITS** 0271 .___

c. Were the major sources of the compost from---

1 Beef cattle?
2 Dairy cattle?
3 Hogs?
4 Sheep?
5 Poultry?
6 Equine?
7 Biosolids (*municipal sludge*)?
8 Food waste?
9 Crop? [*Specify* _____]
10 Other? [*Specify* _____] . . . . . **[Enter up to 3 source codes]**

FIRST 0281
SECOND 0282
THIRD 0283

d. Was the compost---

1 Produced on this operation?
2 Purchased?
3 Obtained at no cost off this operation?
4 Obtained with compensation? (*Operator received payment for accepting the compost.*) . . . . . **CODE** 0272

(i) [*If item 21d = 2, ask*---]

What was the total cost of the purchased compost applied to this field? (***Include** operator, landlord, and contractor costs and any payment made for transportation costs.*) . . . . . **DOLLARS & CENTS PER ACRE** 0273 .___ ___ **OR** **TOTAL DOLLARS** 0274

(ii) Did you hire someone to custom apply the compost? . . . . . **YES = 1** **CODE** 0275

(1) [*If YES, ask*---]

What was the total cost paid to have compost custom applied to this field? (***Include** operator, landlord, and contractor costs.*) [*Do not report custom application cost if it was included with the compost cost.*]. . . **DOLLARS & CENTS PER ACRE** 0276 .___ ___ **OR** **TOTAL DOLLARS** 0277

(iii) [*If item 21d = 1, ask*---]

What is the distance between the compost storage/production location and this field?. . . . . **MILES** 0299 .___

D BIOCONTROL or PESTICIDE APPLICATIONS---SELECTED FIELD D

Now I have some questions about all the biocontrols or pesticides used on this field for the 2010 corn crop, including both custom applications and applications made by this operation.

1. **Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this corn field for the 2010 crop?** [*Probe for applications made in the fall of 2009* (and those made earlier if this field was fallow).] . . . . . YES = 1

CODE	EDIT TABLE
0302	0301

If no biocontrols or pesticides applied, go to Section E.

Include defoliants, fungicides, herbicides, insecticides, and other pesticides.

Include biological and botanical pesticides.

Exclude nutrients or fertilizers reported earlier and seed treatments.

	T - TYPE 3	TABLE 001
LINE 99	OFFICE USE LINE IN TABLE	0319

CHEMICAL PRODUCT NAME	LINE	2 What products were applied to this field? [*Show product codes from Respondent Booklet.*]	3 Was this product bought in liquid or dry form? [*Enter L or D*]	4 Was this part of a tank mix? [*If tank mix, enter line number of first product in mix.*]	5 When was this applied? 1 BEFORE planting 3 AT planting 4 AFTER planting	6 OR 7 How much was applied per acre per application?	7 What was the total amount applied per application in this field?	8 [*Enter unit code.*] 1 Pounds 12 Gallons 13 Quarts 14 Pints 15 Liquid Ounces 28 Dry Ounces 30 Grams
	01	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	02	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	03	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	04	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	05	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	06	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	07	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	08	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	09	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	10	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	11	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	12	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	13	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310
	14	0305		0306	0307	0308 .___ ___	0309 .___ ___	0310

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

LINE	Pesticide Type (*Herbicide, Insecticide Fungicide, etc.*)	EPA No. or Trade name and Formulation	Form Purchased (*Liquid or Dry*)	Where Purchased [*Ask ONLY if EPA No. cannot be reported.*]

APPLICATION CODES for column 9	
1 Broadcast, ground without incorporation	6 Chisel/Injected or knifed in
2 Broadcast, ground with incorporation	7 Banded in or over row
3 Broadcast, by aircraft	8 Foliar or directed spray
4 In seed furrow	9 Spot treatments
5 In irrigation water	

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

LINE	9 **How was this product applied?** [*Enter code from above*.]	10 **How many acres in this field were treated with this product?** **ACRES**	11 **How many times was it applied?** **NUMBER**	12 **Were these applications made by---** 1 Operator, partner or family member? 2 Custom applicator? 3 Employee/Other?	**OPTIONAL ITEM 4** **What was the cost per unit of the product?** **DOLLARS & CENTS PER UNIT**	**UNIT CODE** 1 Pounds 15 Liquid Ounces 12 Gallons 28 Dry Ounces 13 Quarts 30 Grams 14 Pints
01	0311	0312 .___	0313	0316	0317 .___ ___	0318
02	0311	0312 .___	0313	0316	0317 .___ ___	0318
03	0311	0312 .___	0313	0316	0317 .___ ___	0318
04	0311	0312 .___	0313	0316	0317 .___ ___	0318
05	0311	0312 .___	0313	0316	0317 .___ ___	0318
06	0311	0312 .___	0313	0316	0317 .___ ___	0318
07	0311	0312 .___	0313	0316	0317 .___ ___	0318
08	0311	0312 .___	0313	0316	0317 .___ ___	0318
09	0311	0312 .___	0313	0316	0317 .___ ___	0318
10	0311	0312 .___	0313	0316	0317 .___ ___	0318
11	0311	0312 .___	0313	0316	0317 .___ ___	0318
12	0311	0312 .___	0313	0316	0317 .___ ___	0318
13	0311	0312 .___	0313	0316	0317 .___ ___	0318
14	0311	0312 .___	0313	0316	0317 .___ ___	0318

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

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 4*]

OFFICE USE

a. Are you able to report the cost of chemical, biocontrol, and pesticide products and custom application separately? 0324

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 4*]

	DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
b. Excluding the cost of the chemical, biocontrol, and pesticide products, how much was spent for custom application of such materials on this field? (***Include*** *operator, landlord, and contractor costs.*)	0331 .___ ___		0332

4. **What was the TOTAL COST of all chemical, biocontrol, or pesticide products applied to this field?** (**Include** *operator, landlord, and contractor costs, defoliants, herbicides, insecticides, fungicides, surfactants, wetting agents, growth regulators, and materials applied before planting and during 2009 fallow period.* **Exclude** *seed treatments.*) . . . . . 0334 .___ ___ OR 0335

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

NOTE 2: *If custom applied and the costs for materials can be separated from application costs, include the cost for materials only. Otherwise, report both the material and application costs in item 4*.

E PEST MANAGEMENT PRACTICES---SELECTED FIELD E

Now I have some questions about your pest management decisions and practices used on this field for the 2010 corn crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

T-TYPE	TABLE	LINE
0	000	00

1. [**ENUMERATOR ACTION:** *Were PESTICIDE applications reported in Section D?*]
   ☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 10*]

CODE

2. **Was weather data used to assist in determining either the need or when to make pesticide applications?** . . . . . **YES = 1** | 0800 |

3. **Were any biological pesticides such as Bt** (*Bacillus thuringiensis*)**, insect growth regulators, neem or other natural/biological based products sprayed or applied to manage pests in this field?** . . . . . **YES = 1** | 0801 |

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** | 0802 |

5. [**ENUMERATOR ACTION***: Were HERBICIDE* (pesticide product codes 3000-4999) *applications reported in Section D, item 1, column 2?*]
   ☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 8*]

6. **Were herbicides applied to this corn field BEFORE weeds emerged?** . . . . . **YES = 1** | 0803 |

   a. [*If item 6 is YES, ask*---]
   Were the herbicides applied BEFORE weeds emerged on this cornfield based primarily on---

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

   . . . . . | 0804 |

7. **Were herbicides applied to this corn field AFTER weeds emerged?** . . . . . **YES = 1** | 0805 |

   a. [*If item 7 is YES, ask*---]
   Were the herbicides applied AFTER weeds emerged on this cornfield based primarily on---

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

   . . . . . | 0806 |

8. [**ENUMERATOR ACTION***: Were INSECTICIDE* (pesticide product codes 1000 – 2999) *applications reported in Section D, item 1, column 2?*]
   ☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 10*]

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

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

   . . . . . | 0807 |

10. **In 2010, how was this field primarily scouted for insects, weeds, diseases, and/or beneficial organisms?** . . . . . .

1 By deliberately going to the field specifically for scouting activities [*Enter code 1 and go to item 11.*]
2 By conducting general observations while performing routine tasks [*Enter code 2 and go to item 13.*]
3 This field was not scouted. [*Enter code 3 and go to item 18.*]

. . . . . **CODE** 0808

11. **Was an established scouting process** (*systematic sampling, recording counts, etc*.) **used or were insect traps used in this field?** . . . . . **YES = 1** 0809

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

a. a pest advisory warning? . . . . . **YES = 1** 0810

b. a pest development model? . . . . . **YES = 1** 0811

13. **Was this corn field scouted for---**	1 **YES = 1**	2 [*If **YES**, ask---*] **What was the infestation level for** [*column 1*] **?** 1 Worse than normal 2 Normal 3 Less than normal **CODE**	3 [*If column 1 is **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?	0812	0813	0814
b. insects or mites?			
(i) corn borer?	0831	0832	0833
(ii) corn rootworm?	0834	0835	0836
(iii) other insects?	0837	0838	0839
c. diseases?	0818	0819	0820

[*If scouted by crop consultant or commercial scout, ask item 14; else go to item 15.*]

14. **How much was charged for the scouting services for this field?** (***Include*** *operator, landlord, and contractor costs*.) . . . . . **DOLLARS & CENTS PER ACRE** 0821 .___ ___ **OR** **TOTAL DOLLARS** 0822

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

OFFICE USE 0333

15. **Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases?** . . . . . **YES = 1** **CODE** 0823

	CODE
16. **Were scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in this field?** . . . . . **YES = 1**	0824
17. **Did you use field mapping of previous weed problems to assist you in making weed management decisions?** . . . . . **YES = 1**	0825

18. **Did you do any of the following other types of pest management for the specific purpose of managing or reducing the spread of pests in this field?** [*Enter code "1" for all that apply*.]

		CODE
a.	Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field? . . . . . **YES = 1**	0841
b.	Plow down crop residue (*using conventional tillage*)? . . . . . **YES = 1**	0842
c.	Remove/burn down crop residue? . . . . . **YES = 1**	0843
d.	Rotate crops in this field during the past 3 years? . . . . . **YES = 1**	0844
e.	Maintain ground covers, mulches, or other physical barriers? . . . . . **YES = 1**	0845
f.	Choose crop variety because of specific resistance to a certain pest? . . . . . **YES = 1**	0846
g.	Use no-till or minimum till? . . . . . **YES = 1**	0847
h.	Plan planting locations to avoid cross infestation of pests? . . . . . **YES = 1**	0848
i.	Adjust planting or harvesting dates? . . . . . **YES = 1**	0849
j.	Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines? . . . . . **YES = 1**	0850
k.	Clean equipment and field implements after completing field work to reduce the spread of pests? . . . . . **YES = 1**	0851
l.	Adjust row spacing, plant density or row directions? . . . . . **YES = 1**	0852
m.	Have the seed treated for insect or disease control after you purchased the seed for this field? . . . . . **YES = 1**	0854
n.	Maintain a beneficial insect or vertebrate habitat? . . . . . **YES = 1**	0855
o.	Maintain buffer strips or border rows to isolate corn from non-organic crops or land, or did you take a buffer harvest? . . . . . **YES = 1**	0856
p.	Use a flamer to kill weeds? . . . . . **YES = 1**	0857
q.	Plant earlier or later to avoid weeds? . . . . . **YES = 1**	0865

CODE

19. **Were any beneficial organisms** (*insects, nematodes, fungi*) **applied or released in this field to manage pests?** . . . . . **YES = 1** | 0853

20. **Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field?** . . . . . **YES = 1** | 0858

a. [*If item 19 or item 20 is YES, ask*---]

What were the TOTAL materials and application costs for all biological pest controls for this field? (***Include*** *operator, landlord, and contractor costs.* ***Include*** *cost for beneficial organisms (insects, nematodes, and fungi).* ***Exclude*** *biological pesticides*.) . . . . .

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
0859 .___ ___		0860

CODE

21. **Was a trap crop** (*excluding fallow*) **grown to help manage insects in this field?** . . . . . **YES = 1** | 0863

22. **Was this field left fallow in 2009 to help manage insects on this field?** . . . . . **YES = 1** | 0864

23. **Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage for pests or toxic producing fungi and bacteria?** . . . . . **YES = 1** | 0861

24. **Was protection of beneficial organisms a factor in your pest control decisions for this field?**

☐ **YES** – [*Enter code 1 and continue*] ☐ **NO** – [*Go to item 25*] . . . . . | 0862

a. Did you change timing of, reduce application rate of, or eliminate a pesticide application?. **YES = 1** | 0866

b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice?. . . . . **YES = 1** | 0867

25. **Did you cultivate this field for weed control?** . . . . . **YES = 1** | 0868

NUMBER

a. [*If yes, ask*---]

How many times?. . . . . | 0869

UNIT CODES
1 POUNDS
2 CWT
3 TONS
4 BUSHELS

	UNITS PER ACRE	
26. **If untreated** (*either with insecticides or Bt seed*), **how much yield loss** (*e.g. bushels per acre*) **do you think the CORN BORERS would most likely cause on this field?**	0870 .___	0871
27. **If untreated** (*either with insecticides or Bt seed*), **how much yield loss** (*e.g. bushels per acre*) **do you think the CORN ROOTWORMS would most likely cause on this field?**	0872 .___	0873

PEST MANAGEMENT INFORMATION

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

Which outside sources of information on pest management practices and products were used for the 2010 corn crop?

[*Starting with the most influential in determining the pest management practices used on this operation, enter codes for up to three sources.*]

PEST MANAGEMENT INFORMATION SOURCES CODE LIST

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

[Enter up to 3 source codes.]

FIRST	0826
SECOND	0827
THIRD	0828

29. **Other than pesticide applicator training, have you** (*the operator*) **attended any training session on pest identification and management since October 1, 2009?** . . . . . **YES = 1** — **CODE** 0829

30. **Has this field ever been infested with weeds resistant to glyphosate** (*e.g. Roundup*)**?**

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 33*]

a. What year was this field first infested with glyphosate-resistant weeds? . . . . . — **YEAR** 0874 ___ ___ ___ ___

31. **Which of the following changes did you make to your weed management practices in this field due to the presence of glyphosate-resistant weeds? Did you---**

		CODE
a. stop planting glyphosate-tolerant seeds?	**YES = 1**	0875
b. apply other herbicides in addition to glyphosate?	**YES = 1**	0876
c. change tillage practices?	**YES = 1**	0877

32. **How did you change your glyphosate use?** . . . . . .

1 Increased application rate
2 Decreased application rate
3 Stopped using glyphosate
4 Did not change glyphosate use

. . . . . — **CODE** 0878

33. **If you have planted glyphosate-tolerant seeds** (*e.g. Roundup-Ready soybeans*) **on any field on this operation, please enter the year you first did so.** . . . . . — **YEAR** 0879 ___ ___ ___ ___

Completion Code for Pest Management Data	
1 Incomplete/Refusal	0340

F FIELD OPERATIONS---SELECTED FIELD F

1. **Now I need to list all tractors used to produce corn on the selected field.**

CHECK LIST

Include	Exclude
☐ Tractors owned, rented, leased or borrowed	☐ Tractors provided by custom operators

1	2 **What tractors were used on this field?** 1 John Deere & Company 2 AGCO (*Challenger, Massey-Ferguson, Caterpillar*) 3 Ford New-Holland (*Case*) 4 Kubota 5 Other [*Specify:* _____] **CODE**	3 **What is the model year?** (*Example: 2004*) **YEAR**	4 **Is this vehicle a---?** 2 2-wheel drive tractor 3 2-wheel drive tractor with front wheel assist 4 4 -wheel drive tractor 5 crawler or other tracked-tractor 6 other tractor **CODE**	5 **What is its PTO Horsepower?** **PTO HORSEPOWER**	6 **Is it---?** 1 diesel 2 gasoline 3 LP gas 9 other **CODE**
1	0110	0120 ___ ___ ___ ___	0121	0122	0123
2	0111	0124 ___ ___ ___ ___	0125	0126	0127
3	0112	0128 ___ ___ ___ ___	0129	0130	0131
4	0113	0132 ___ ___ ___ ___	0133	0134	0135
5	0114	0136 ___ ___ ___ ___	0137	0138	0139
6	0115	0140 ___ ___ ___ ___	0141	0142	0143
7	0116	0144 ___ ___ ___ ___	0145	0146	0147
8	0117	0148 ___ ___ ___ ___	0149	0150	0151
9	0118	0152 ___ ___ ___ ___	0153	0154	0155
10	0119	0156 ___ ___ ___ ___	0157	0158	0159

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

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 3*]

YEAR

a. What is the model year of the self-propelled harvester(s) used to harvest corn from this field? (*Report the average year if more than one was used*.) . . . . . 0830 ___ ___ ___ ___

3. **Including custom operations, I need to list field work performed by machines on this field for the 2010 corn crop. Please…**

- ► begin with the first field operation after harvest of previous crop, including operations for a cover crop established since the previous crop harvested [*if fallow during 2009, list operations starting with fall 2008*];
- ► list the operations in order through harvest and hauling of this crop to storage or first point of sale; and
- ► maintain the order of tandem hook-ups.

CODES FOR COLUMN 5

1 You (*the Operator*)
2 Partner
3 Unpaid Worker
4 Paid Part-time or Seasonal Worker
5 Paid Full-time Worker
6 Custom Applicator

CHECK LIST

Include all field work using machines for---

- ☐ Land Forming/Levee Building
- ☐ Tillage
- ☐ Preparing for Irrigation
- ☐ Planting
- ☐ Fertilizer & Pesticide applications
- ☐ Harvesting & Hauling to storage or first point of sale

Exclude

- ☐ Lime & Gypsum/landplaster applications

2	3	4	5	[IF CUSTOM (*column 5 = code 6*), skip columns 6-10]				
				6	7	8	9	10
SEQUENCE No.	**What operation or equipment was used?**	[*Record machine code from Respondent Booklet.*] CODE	**Who was the machine operator?** [*Enter code from above.*] CODE	**What was the size or swath of the** [*machine*] **used?**	[*Record size unit code.*] 1 Feet 2 Row 3 Moldboard (*bottoms*) **Hauling** 4 Pounds 5 Bushels 6 Tons CODE	**What was the power source?** [*Record tractor line number from item 1.*] **OR** 66 Animal Drawn 77 Pick up 99 Self-Propelled **1/**	**How many acres were covered?** [*Exclude land forming and hauling operations*] ACRES	**How many TOTAL HOURS were spent on land forming and hauling?** [*Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons forklifts, etc.*] HOURS
0351		0352	0353	0354	0355	0356	0357 .___	0359
0361		0362	0363	0364	0365	0366	0367 .___	0369
0371		0372	0373	0374	0375	0376	0377 .___	0379
0381		0382	0383	0384	0385	0386	0387 .___	0389
0391		0392	0393	0394	0395	0396	0397 .___	0399
0401		0402	0403	0404	0405	0406	0407 .___	0409
0411		0412	0413	0414	0415	0416	0417 .___	0419
0421		0422	0423	0424	0425	0426	0427 .___	0429
0431		0432	0433	0434	0435	0436	0437 .___	0439
0441		0442	0443	0444	0445	0446	0447 .___	0449
0451		0452	0453	0454	0455	0456	0457 .___	0459
0461		0462	0463	0464	0465	0466	0467 .___	0469
0471		0472	0473	0474	0475	0476	0477 .___	0479
0481		0482	0483	0484	0485	0486	0487 .___	0489
0491		0492	0493	0494	0495	0496	0497 .___	0499
0501		0502	0503	0504	0505	0506	0507 .___	0509
0511		0512	0513	0514	0515	0516	0517 .___	0519
0521		0522	0523	0524	0525	0526	0527 .___	0529

1/ *If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet.*

OFFICE USE

0032

4. **Now I need some additional information about your labor.**

Please report the paid and unpaid labor that worked on this field to produce the 2010 corn crop.

(***Exclude*** *labor that was reported for field work performed by machines.*)

	1 **How many hours did** (*type of worker*) **spend on this field---**		
TYPE OF WORKERS	a. scouting for weeds, insects and diseases? **HOURS**	b. irrigating? **HOURS**	c. performing other work by hand? **HOURS**
You (*the operator*)	1101	1102	1103
Partner(s)	1104	1105	1106
Unpaid workers	1107	1108	1109
Paid part-time or seasonal workers (***Exclude*** *custom and contract labor*)	1110	1111	1112
Paid full-time workers (***Exclude*** *custom and contract labor*)	1113	1114	1115

5. **What was the average hourly wage rate paid to part-time or seasonal hired workers?**
(***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . **DOLLARS & CENTS PER HOUR** 1119 .___ ___

6. **What was the average hourly wage rate paid to full-time hired workers?**
(***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . **DOLLARS & CENTS PER HOUR** 1118 .___ ___

7. **Was any contract labor used on this field?**. . . . . **YES = 1** **CODE** 1116

a. [*If YES, ask* ---]

What was the average cost per acre for this contract labor?
(***Include*** *operator, landlord, and contractor costs*.). . . . . **DOLLARS & CENTS PER ACRE** 1117 .___ ___

8. **What percent of the total number of unpaid hours worked on this field was performed by workers under 16 years of age?** (*Estimates of labor costs for unpaid workers are based on off-farm wage rates, which are different for workers under 16 relative to those 16 and older.*) . . . . . **PERCENT** 1120

9. **Now I need some information on how much was spent for custom services used on this field for the 2010 corn crop.**

✓	1 **CUSTOM SERVICE** **Which of the following services were performed for the 2010 corn crop on this field?** ← [*Check box for each service performed; refer to item 3 if necessary*.]	2 **Including operator, landlord, and contractor costs, how much was spent for** [*column 1*] **on this field for the 2010 corn crop?** **DOLLARS & CENTS PER ACRE**
☐	a. Custom land preparation, shaping and/or leveling __ __.__ __ x _____ =_____÷ _____ = __ __.__ __ (Cost per hour X Total hours = Total dollars ÷ Total acres in the field = Dollars & cents per acre)	1121 .___ ___
☐	b. Custom cultivating	1122 .___ ___
☐	c. Custom planting and/or reseeding	1123 .___ ___
☐	d. Custom harvesting	1124 .___ ___
☐	e. Custom hauling to storage or point of first sale __ __.__ __ x _____ ÷ _____ = __ __.__ __ (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre) . .	1126 .___ ___
☐	f. Custom harvesting and hauling from field to storage or point of first sale __ __.__ __ x _____ ÷ _____ = __ __.__ __ (Dollars & cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & cents per acre) . .	1127 .___ ___

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

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 12*]

Which of the following services did you obtain?		CODE
a. Nutrient recommendations/management service?	**YES = 1**	1129
b. Soil or tissue sample collection?	**YES = 1**	1130
c. Pest control recommendations/management service?	**YES = 1**	1131
d. Pest scouting?	**YES = 1**	1132
e. Irrigation management service (*i.e. irrigation scheduling*)?	**YES = 1**	1133
f. Yield map or remote sensing map development/interpretation?	**YES = 1**	1134
g. Other custom or technical service? [*Specify:* _____]	**YES = 1**	1135

11. **If YES to any of these services, what was the cost for all of these services?** (***Include*** *operator, landlord, and contractor costs.* ***Exclude*** *cost of soil/tissue tests or scouting cost reported earlier. Do not report costs for any of these services if they were previously reported as part of the costs of materials and/or application.*) . . . . .

DOLLARS & CENTS PER ACRE	OR	TOTAL DOLLARS
1136 .___ ___		1137

CODE

12. **Was there** (*or will there be*) **a yield monitor on the equipment used to harvest this corn field?** . . . . . **YES = 1** | 1138

[*If YES, continue; else go to item 13*]

a. Was there (*or will there be*) a yield map produced from this harvest using information from the yield monitor? . . . . . **YES = 1** | 1139

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

(i) monitor crop moisture content to determine need for crop drying? . . . . . **YES = 1** | 1140

(ii) add/improve tile drainage? . . . . . **YES = 1** | 1141

(iii) add/improve irrigation equipment / irrigation water application? . . . . . **YES = 1** | 1142

(iv) conduct in-field experiments (*e.g., compare fertilizer applications, seed varieties, herbicides, pesticides, etc.*)? . . . . . **YES = 1** | 1143

(v) negotiate new crop leases? . . . . . **YES = 1** | 1144

(vi) document yields for crop insurance, real estate tax, or farm program purposes? . . . . . **YES = 1** | 1145

(vii) accurately divide crop production among partners and/or for landlord crop shares? . . . . . **YES = 1** | 1146

(viii) other uses [*specify:* _____] . . . . . **YES = 1** | 1147

13. **During 2009 or 2010, was a GPS** (*Global Positioning System*) **device used to produce a map of the soil properties** (*such as nitrate levels, PH, soil type, etc*.) **of this field?** . . . . . **YES = 1** | 1148

a. [*If YES, ask*---]

Was the information collected above based on---

1 soil tests from this field?
2 a machine that measured electrical conductivity of the soil in this field (*e.g. Veris machine*)?
3 other? [*Specify:* _____] . . . . . | 1149

14. **Did you have an airplane or satellite provide an image or photograph of this field either at the start or during the 2010 growing season?** . . . . . **YES = 1** | 1151

15. **Was a variable rate applicator used on this field for---** | 1152

a. fertilization or lime application? . . . . . **YES = 1**

(i) [*If YES, ask*---]

Did you use a variable rate applicator for---

(1) nitrogen applications? . . . . . **YES = 1** | 1153

(2) phosphorus applications? . . . . . **YES = 1** | 1154

(3) potash applications? . . . . . **YES = 1** | 1155

(4) lime applications? . . . . . **YES = 1** | 1156

(5) manure applications? . . . . . **YES = 1** | 1157

b. seeding? . . . . . **YES = 1** | 1158

c. pesticide applications? . . . . . **YES = 1** | 1159

16. **Was a guidance or auto-steering system** (*connected to GPS*) **used with any machine operation on this field** (*e.g. light bar*)*?* . . . . . **YES = 1** | 1150

NOTES

G IRRIGATION G

1. **How many acres in this field were irrigated for the 2010 corn crop?**
[*If none, go to* ***Section H***]. . . . . ACRES 1160 .___

2. **Now, I have some questions about irrigation systems and water used on this field for the 2010 corn crop.**

↓		UNIT	SYSTEM 1	SYSTEM 2
a.	What type(s) of irrigation system(s) was (*or were*) used to irrigate this field? [*Show* ***System Type Codes*** *in the Respondent Booklet. Enter* ***System Type Code*** *for up to two systems covering the most field acres*.].	**SYSTEM TYPE CODE**	1161	1175
b.	What was the total quantity of water applied to this field during the entire growing season? (***Include*** *ALL water used from both on-farm and off-farm sources*.).	**INCHES PER ACRE** OR **TOTAL ACRE-FEET**	1162 1163	1176 1177
	[*If operator cannot provide item 2b, ask (i) & (ii), else go to 2c*]			
	(i) What is the **total** number of **hours** this system was used to apply water to this field during the corn growing season?.	**TOTAL HOURS**	1164	1178
	(ii) How many gallons per minute were applied?.	**GALLONS PER MINUTE**	1165	1179
c.	What percent of the water used to irrigate this field through this system came from surface water sources?.	**PERCENT**	1166	1180
d.	What was the number of times this field was irrigated during the corn growing season using this system? (***Include*** *any pre-plant irrigation*.). .	**NUMBER OF IRRIGATIONS**	1167	1181
e.	Was the pump type--- [*If more than one pump in the system, enter type for pump closest to water source.*] 1 **TURBINE?** 2 **SUBMERSIBLE?** 3 **CENTRIFUGAL?** 4 **BOOSTER?** 5 **SIPHON?** 99 **NO PUMP?** [*If code 99, go to item j*.]	**CODE**	1168	1182
f.	What was the average pumping rate?.	**GALLONS PER MINUTE**	1169	1183
g.	[*If item 2a = code 1-9* (PRESSURE SYSTEM)*, ask*---] What was the system operating pressure?.	**POUNDS PER SQUARE INCH**	1170	1184
h.	What was the primary motor type used to pump the water? 1 **DIESEL** 2 **GASOLINE** 3 **LP GAS** 4 **NATURAL GAS** 5 **ELECTRICITY** 6 **SOLAR POWER**	**CODE**	1171	1185
i.	What was the average motor size?.	**HORSEPOWER**	1172	1186
j.	[*If NO PUMP was used* (item 2e = 99)*, ask*---] What was the average flow rate?.	**GALLONS PER MINUTE**	1173	1187
k.	How many other acres on this operation were irrigated using this field's irrigation system during the 2010 growing season? (***Exclude*** *this field*.).	**ACRES**	1174 .___	1188 .___

3. **What was the cost of the fuel or electricity used to irrigate this field?** (***Include*** *operator, landlord, and contractor costs*.). . . . . DOLLARS & CENTS PER ACRE 1189 .___ ___ OR TOTAL DOLLARS 1190

4. **Was any water purchased to irrigate this field?** (***Include*** *landlord's share and purchases from all sources*.)

☐ **YES** – [*Enter code 1 and continue*.] ☐ **NO** – [*Go to item 5.*]. . . . . CODE 1191

a. What percent of the water used on this field was purchased?. . . . . PERCENT 1192

b. What was the total cost for the water purchased for this field during the 2010 growing season? (***Include*** *operator, landlord, and contractor costs and ditch maintenance costs for this field*.). . . . . DOLLARS & CENTS PER ACRE 1193 .___ ___ OR TOTAL DOLLARS 1194

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

What would be the total cost to replace all the siphon tubes used on this field?. . . . . TOTAL DOLLARS 1201

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

What was the total amount spent for poly pipe used on this field during the 2010 growing season? (***Include*** *operator, landlord, and contractor costs*.). . . . . TOTAL DOLLARS 1202

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

a. What was the average diameter of gated pipe used to irrigate this field?. . . . . INCHES 1203

b. What was the total length of gated pipe used?. . . . . FEET 1204

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

☐ **YES** – [*Enter code 1 and continue*] ☐ **NO** – [*Go to item 9*]. . . . . CODE 1205

a. How many wells were used to irrigate this field?. . . . . NUMBER 1206

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

c. What was the average pumping depth of these wells during the irrigation season? [*Pumping depth is the depth to water at the start of the irrigation season, plus an average decline in the water level caused by pumping during the irrigation season*.]. . . . . FEET 1208

d. Did the well(s) have a water meter or other flow measurement device?. . . . . **YES = 1** CODE 1209

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

☐ **YES** – [*Enter code 1 and continue*] ☐ **NO** – [*Go to item 9*]. . . . . CODE 1210

f. Excluding this field, how many other acres on this operation were irrigated using the same well(s) during the 2010 growing season?. . . . . ACRES 1211 .___

9. **Was any additional mainline or lateral pipe used to carry water from the source to the system in this field?** (***Include*** *underground pipe.* ***Exclude*** *any system pipe within the selected field.*)

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 10*]

a. What was the average diameter (*in inches*) of the most common type of this additional pipe used?. . . . . **INCHES** 1212

b. How many feet of this additional pipe were used to bring water to this field?. . . . . **FEET** 1213

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

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

. . . . . **CODE** 1214

H MANAGEMENT H

1. **In response to higher or more volatile fuel prices during the 2010 crop year for corn, did you---**

		CODE
a.	reduce the number of field operations such as tillage, cultivation, or nutrient and pesticide applications on this field (*i.e., compared to what you would have otherwise applied*)? . . . . . **YES = 1**	1220
b.	reduce the amount of irrigation water on this field (*i.e., compared to what you would have otherwise applied*)? . . . . . **YES = 1**	1222
c.	change other production practices on this field? [*If yes, specify* _____] . . . . **YES = 1**	1223
d.	leave the crop in the field to dry longer than you would have otherwise done on this field? . **YES = 1**	1219

2. **In response to higher or more volatile fertilizer prices during the 2010 crop year for corn, did you---**

		CODE
a.	reduce the application rate of commercial nitrogen fertilizer on this field (*i.e., compared to what you would have otherwise applied*)? . . . . . **YES = 1**	1224
	(i) [*If YES, ask*---] By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 2010?	**PERCENT** 1225
b.	change the type of commercial nitrogen fertilizer products applied on this field (*i.e., compared to what you would have otherwise applied*)? [*e.g. less anhydrous ammonia and more UAN*] . . . . . **YES = 1**	**CODE** 1226
c.	increase the application rate of manure or other organic fertilizers on this field (*i.e., compared to what you would have otherwise applied*)? . . . . . **YES = 1**	1227
d.	manage fertilizer more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on this field (*i.e., compared to what you would have otherwise done*)? . . . . . **YES = 1**	1228

3. **Was this field irrigated in 2009 and in 2010?**

☐ **YES** – [*Continue*] ☐ **NO** – [*Go to item 5*]

		CODE
4.	**Did you alter production practices in 2010 due specifically to reduced availability of water supplies for irrigation on this field?** . . . . . **YES = 1**	1221
	[*If YES, continue*; *else go to item 5*]	
a.	Did you irrigate fewer corn acres on this field in 2010 due to reduced availability of water supplies? . . . . . **YES = 1**	1229
b.	Did you reduce the water applied to this field in 2010 due to reduced availability of water supplies? . . . . . **YES = 1**	1230

5.	**In response to expected high corn prices at the beginning of the 2010 growing season, did you plant corn on this field rather than planting another crop according to the field's scheduled crop rotation?** . . . . . **YES = 1**	1231
a.	[*If YES, ask*---] Which crop was scheduled to be planted on this field in 2010? [*Enter crop code from CROP CODE LIST on page 8.*]	1232
b.	Which crop are you most likely to plant on this field in the SPRING/SUMMER of 2011? [*Enter crop code from CROP CODE LIST on page 8.*]	1234

CONCLUSION

1. **We will need additional information to complete this study. We will contact you in February or March 2011 to collect it. I'll call you then to set up a time that is good for you.**

2. **To receive the complete results of this survey on the release date, go to www.nass.usda.gov/results/. Would you rather have a brief summary mailed to you at a later date?** . . . . . **YES = 1**

CODE
0099

HH MM
0005 __ __ __ __

3. **ENDING TIME** [*MILITARY*]. . . . . .

RECORDS USED

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

		CODE
a.	[***fertilizer*** *data*?]. . . . . **YES = 1**	0011
b.	[***pesticide*** *data?*]. . . . . **YES = 1**	0012
c.	[*majority of this* ***expense*** *data*?]. . . . . **YES = 1**	0013

SUPPLEMENTS USED

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

	NUMBER
FERTILIZER APPLICATIONS	0041
PESTICIDE APPLICATIONS	0042
FIELD OPERATIONS	0043

Reported by:_____ Telephone: (_____)_____

Response		Respondent		Mode		Enum	Eval.	Date	Optional	
								MM DD YY		
1-Comp 2-R 3-Inac	9901	1- Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Other	9902	2-Tel 3-Face-to-Face	9903	0098	0100	9910 __ __ __ __ **10**	0002	0003
S/E Name										