AGRICULTURAL RESOURCE MANAGEMENT STUDY
CORN PRODUCTION
PRACTICES and COSTS REPORT
for 2001

Version ID: TRACT SUBTRACT T-TYPE TABLE LINE
02 __ __ __ __ __ __ __ __ __ __ __ __
01 ______
00 000 00

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. Response to this survey is confidential and voluntary.

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

BEGINNING TIME
[00:00:04] P4

SCREENING BOX
[00:00:06] P6

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

Completion Code 3 = ZERO TARGET
0008 P8

(Name, address and partners verified and updated if necessary.)

POID __ __ __ __ __ __ __ __ __ __ __ __

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

POID __ __ __ __ __ __ __ __ __ __ __ __

PARTNER NAME
ADDRESS
CITY STATE ZIP PHONE NUMBER
CITY STATE ZIP PHONE NUMBER
1. How many acres of corn did this operation plant for the 2001 crop year?
   - If no acres planted, review Screening Survey Information Form.
   Make notes, then go to item 4 on back page.

   TOTAL PLANTED ACRES
   0019  A0100

2. How many of the total [item 1] corn acres were--
   a. owned by this operation? 0044  A02a0
   b. rented for CASH? 0045  A02b0
   c. SHARE rented? 0046  A02c0
   d. used RENT-FREE? 0047  A02d0

   [Total must equal item 1.]

3. I will follow a simple procedure to make a random selection from the corn fields planted for the 2001 crop.

   What is the TOTAL number of corn fields that were planted on this operation?
   TOTAL NUMBER OF FIELDS PLANTED
   0020  A0300
   [If only 1 field, enter 1 and go to item 5.]

4. 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 3 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
   1
   2
   3
   4
   5
   6
   7
   8
   9
   10
   11
   12
   13
   14
   15
   16
   17
   18
5. **ENUMERATOR ACTION:**
   Circle the pair of numbers on the above label associated with the last numbered field in item 4.
   Select the field according to the number you circled on the label, and record the selected number.
   If only 1 field, enter 1.

   SELECTED FIELD
   NUMBER
   0021
   A0500

6. 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.]
1. How many acres of corn did this operation plant in this field for the 2001 crop?

2. Were the acres in this field—

   1. owned by this operation?
   2. rented for CASH?
   3. SHARE rented?
   4. used RENT-FREE?

3. [If field is CASH RENTED, ask--]
   What was the cash rent paid per acre for this 2001 corn crop?

4. [If field is SHARE RENTED, ask--]
   What was the landlord’s share of the crop from this field?

5. What year did you start operating this field?

   a. Do you EXPECT to be operating this field for the next 5 years (through the 2006 crop year)?

6. On what date was this field planted?

7. What was the average corn row width?

8. What was the seeding rate per acre the first time this field was seeded?

9. How many acres in this field had to be reseeded to corn?
   (Number of acres times the number of times reseeded)

10. What was the predominant brand of seed planted on this field?
    [Show Brand/Company codes from Respondent Booklet.]

11. What was the total cost per unit (including both your and the landlord’s and contractor’s share) of purchased seed for this field?
    (Include cost of seed treatment and any seed technology fee.)
**B FIELD CHARACTERISTICS---SELECTED FIELD**

<table>
<thead>
<tr>
<th>SEED TYPE - CORN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Genetically-modified <strong>herbicide resistant</strong> seed variety (e.g. LibertyLink; Roundup Ready)</td>
</tr>
<tr>
<td>2 Non-genetically-modified <strong>herbicide resistant</strong> seed variety (e.g. IMI-corn)</td>
</tr>
<tr>
<td>3 Genetically-modified <strong>Bt</strong> variety for insect resistance (e.g. YieldGard, NatureGard, Knockout)</td>
</tr>
<tr>
<td>4 Stacked gene variety (e.g. both genetically-modified insect and herbicide resistance, YieldGard + LibertyLink, YieldGard + Roundup Ready)</td>
</tr>
<tr>
<td>6 None of the above</td>
</tr>
</tbody>
</table>

12. **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.]

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1049</td>
</tr>
<tr>
<td>1050</td>
</tr>
</tbody>
</table>

13. **[If 12a = 3 or 4 ask--]**
   
   **Was the Bt trait in this variety--**

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1051</td>
</tr>
</tbody>
</table>

14. **[If 12a = 1, 2, or 6 ask--]**
   
   **Which of the following reasons influenced you the most in deciding not to plant Bt corn in 2001 on this field--**

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1052</td>
</tr>
</tbody>
</table>

15. **[If item 12a is NOT equal 6, ask--]**
   
   **Resistant seed varieties offer several benefits.**

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

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1053</td>
</tr>
</tbody>
</table>

16. **What percentage of the field was used as refuge for the corn borer in order to comply with Bt corn insect resistant management guidelines?**

<table>
<thead>
<tr>
<th>PERCENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>1054</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1055</td>
</tr>
</tbody>
</table>

   a. **[If item 17 is code 1, ask--]**
   
   Was a specialized corn type planted in the field? (e.g. Waxy, High Amylose, High-Oil, High-Lysine, Low Phytate, White Dent, Hard Endosperm/food grade, Nutritionally Dense, Organic) ... **YES=1**

   (1) **[If item 17a = YES, ask--]**
   
   Was the type of specialty corn planted on this field high-oil corn? ... ... **YES=1**
18. Has harvest of this field been completed?  

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

<table>
<thead>
<tr>
<th>How many acres in the corn field were (will be)</th>
<th>ACRES</th>
<th>1059</th>
<th>1060</th>
<th>1061</th>
<th>1062</th>
<th>1063</th>
<th>1064</th>
<th>1065</th>
<th>1066</th>
<th>1067</th>
<th>1070</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. harvested for grain?</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<tr>
<td>b. harvested for silage or green chop?</td>
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<tr>
<td>c. harvested for seed for planting?</td>
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<td></td>
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<tr>
<td>d. abandoned?</td>
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<td></td>
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<td></td>
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</tr>
<tr>
<td>e. used for some other purpose?</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT CODES</th>
<th>1=POUNDS</th>
<th>2=CWT</th>
<th>3=TONS</th>
<th>4=BUSHELS</th>
</tr>
</thead>
</table>

20. Next I need to know what crops were previously PLANTED on this field, including cover crops.

<table>
<thead>
<tr>
<th>What crop was PLANTED on this field in--</th>
<th>CROP NAME</th>
<th>CROP CODE</th>
<th>YES = 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. FALL of 2000?</td>
<td></td>
<td>1073</td>
<td>1074</td>
</tr>
<tr>
<td>b. SPRING/SUMMER of 2000?</td>
<td></td>
<td>1076</td>
<td>1077</td>
</tr>
<tr>
<td>c. FALL of 1999?</td>
<td></td>
<td>1079</td>
<td>1080</td>
</tr>
<tr>
<td>d. SPRING/SUMMER of 1999?</td>
<td></td>
<td>1082</td>
<td>1083</td>
</tr>
<tr>
<td>e. FALL of 1998?</td>
<td></td>
<td>1085</td>
<td>1086</td>
</tr>
<tr>
<td>f. SPRING/SUMMER of 1998?</td>
<td></td>
<td>1088</td>
<td>1089</td>
</tr>
</tbody>
</table>

1/ Soil and previous crop residue left undisturbed from harvest to planting.
21. In 2001, did your land-use practices for this field include--

<table>
<thead>
<tr>
<th>CODE</th>
<th>YEAR</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1091</td>
<td>1092</td>
<td>YES = 1 terraces?</td>
</tr>
<tr>
<td>1095</td>
<td>1096</td>
<td>YES = 1 temporary or permanent levees?</td>
</tr>
<tr>
<td>1099</td>
<td>1100</td>
<td>YES = 1 grassed waterways?</td>
</tr>
<tr>
<td>1103</td>
<td>1104</td>
<td>YES = 1 filter strips or riparian buffers on or adjoining the field?</td>
</tr>
<tr>
<td>1107</td>
<td></td>
<td>YES = 1 contour farming?</td>
</tr>
<tr>
<td>1108</td>
<td></td>
<td>YES = 1 strip cropping?</td>
</tr>
<tr>
<td>1109</td>
<td></td>
<td>YES = 1 underground outlets such as tile drainage?</td>
</tr>
<tr>
<td>1110</td>
<td></td>
<td>YES = 1 other drainage channels or diversions?</td>
</tr>
</tbody>
</table>

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

23. Have you been notified by NRCS that this field contains a wetland? YES = 1

24. In 2001, did you receive technical assistance for planning, installing, maintaining, or using conservation practices or systems on this field? YES = 1

25. In 2001, did you (or will you) receive cost-sharing or incentive payments for conservation practices on this field? YES = 1
26. During 2001, did any written plan of the following types cover this field and, if so, in what year was the plan implemented? (A "written plan" is a plan prepared in accordance with Federal, State or district standards.)

<table>
<thead>
<tr>
<th>CODE</th>
<th>YEAR IMPLEMENTED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1115</td>
<td>1116</td>
</tr>
<tr>
<td>1117</td>
<td>1118</td>
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<tr>
<td>1119</td>
<td>1120</td>
</tr>
<tr>
<td>1121</td>
<td>1122</td>
</tr>
<tr>
<td>1123</td>
<td>1124</td>
</tr>
</tbody>
</table>

   a. Soil conservation plan specifying practices to reduce soil erosion? YES=1
      YES 1115 1116
   b. Nutrient management plan specifying practices for applying commercial fertilizer? YES=1
      YES 1117 1118
   c. Nutrient management plan specifying practices for land application of manure? YES=1
      YES 1119 1120
   d. Pest management plan specifying pesticide use and/or other practices for controlling weeds, insects, or plant diseases? YES=1
      YES 1121 1122
   e. Irrigation water management plan specifying practices for applying or conserving irrigation water? YES=1
      YES 1123 1124

27. Was the corn crop on this field covered by Crop Insurance in 2001?

- YES - [Enter code 1 and continue.] YES=1
- NO - [Go to Section C.]

If item 27 = YES, which coverages did you obtain?
[Enter code for all that apply.]

   a. Basic catastrophic insurance (Federal CAT) bought for a flat fee and protects against crop loss greater than 50% of average yield, at 55% of the price. YES=1
   b. Buy-up on Basic Federal CAT for higher levels of yield and price protection (such as 65% of yield and 100% price). YES=1
   c. Revenue Insurance include Income Protection (IP), Crop Revenue Coverage (CRC), and Revenue Assurance (RA). YES=1
   d. Other Federal Crop insurance (Group Risk Plan, Adjusted Gross Revenue, Group Risk Income Protection, etc.) YES=1
   e. Other Private Crop insurance (Hail, wind, freeze, etc.) YES=1
1. Were commercial FERTILIZERS applied to this field for the 2001 corn crop? YES=1

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

2. How many commercial fertilizer applications were made to this field for the 2001 crop (include applications made by airplanes and commercial applicators)?

3. Now I need to record information for each application.

<table>
<thead>
<tr>
<th>MATERIALS USED</th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>CUSTOM APPLIED</td>
<td>FERTILIZER</td>
<td>FERTILIZER</td>
<td>PHOSPHATE</td>
<td>POTASH</td>
<td>APPLIED</td>
<td>ACRES</td>
<td>NO.</td>
<td>NO.</td>
<td>NO.</td>
<td>NO.</td>
<td>NO.</td>
<td>NO.</td>
<td>NO.</td>
</tr>
<tr>
<td>1</td>
<td>N</td>
<td>P</td>
<td>K</td>
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<td>0215</td>
<td>0216</td>
<td>0217</td>
</tr>
</tbody>
</table>

[Show Common Fertilizers in Respondent Booklet.]

[Enter material code.]

[Enter percentage analysis or actual pounds of plant nutrients applied per acre.]
4. Not including the cost of fertilizer materials, how much was spent for CUSTOM APPLICATION of fertilizers on this field for the 2001 corn crop?
   (Include landlord and contractor costs.
   Exclude custom application of lime, gypsum & purchased manure.)
   [If material and application costs can't be separated, exclude them here and record the total in item 5.] ........................................

   DOLLARS & CENTS
   PER ACRE OR TOTAL DOLLARS
   1133 .____ 1134

5. What was the TOTAL MATERIALS cost for all fertilizer, soil conditioners, micronutrients, etc. applied to this field for the 2001 corn crop?
   (Include landlord and contractor costs.
   Exclude lime, gypsum and purchased manure.
   If custom applied, include the cost of materials ONLY, unless materials and application costs cannot be separated.
   Include materials applied to this field before planting and during 2000 fallow period.) ........................................

   DOLLARS & CENTS
   PER ACRE OR TOTAL DOLLARS
   1135 .____ 1136

6. Was most of the commercial nitrogen fertilizer applied to this field purchased under contract or otherwise pre-purchased at a pre-determined price set prior to January 1, 2001? ........................................ YES = 1

   [If item 6 = YES, go to item 8; else continue.]

Most commercial nitrogen prices increased rapidly in the latter part of 2000 and 2001. In response to these higher nitrogen fertilizer prices, did you alter the amount or management of commercial nitrogen fertilizer on the field compared to what you would have done otherwise in 2001?

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

7. In response to the higher nitrogen fertilizer prices, did you--
   a. reduce the application rate of commercial nitrogen fertilizer on this field compared to what would have otherwise been applied in 2001? .......................... YES = 1
      [If item 7a = YES, ask–]
      (1) By what percent did you reduce the amount of commercial nitrogen fertilizer for 2001?

      PERCENT
      1139

   b. increase the use of manure or other organic sources of nitrogen on this field in 2001? ........................................ YES = 1
   c. change the type of nitrogen fertilizer products used on this field in 2001?
      (e.g., less anhydrous ammonia and more urea) ............................... YES = 1
   d. manage nitrogen fertilizer on this field more carefully in 2001 than you would have otherwise? .......................... YES = 1
      [If item 7d = YES, ask–]
      Were any of the following practices used on this field in 2001 that would not have been used otherwise--

      (1) soil/tissue testing? .......................... YES = 1
      (2) split applications of nitrogen fertilizer? ........................................ YES = 1
      (3) variable rate fertilizer applications? .......................... YES = 1
      (4) incorporation of broadcast/surface applied nitrogen fertilizer? .................. YES = 1
8. What was your yield goal (or expected yield) for this field?  

9. Was a soil test for phosphorus performed on this corn field in 2000 or 2001 for the 2001 crop?  
   a. [If phosphorus test done, ask--]  
      How many pounds of phosphorus (per acre) were recommended (by the phosphorus test)?  

10. Was a soil test for nitrogen performed on this corn field in 2000 or 2001 for the 2001 crop?  
    a. [If nitrogen test done, ask--]  
       How many pounds of nitrogen (per acre) were recommended (by the nitrogen test)?  

11. Was a plant tissue test performed on this field in 2000 or 2001 for the 2001 corn crop?  

12. [If soil or plant tissue test done, ask--; else go to item 13.]  
   How much was spent for these soil and plant tissue tests on this field?  
   [Include landlord and contractor costs.]  

(1) [Note: If tests were done at no cost, explain:__________________________]

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

14. Was the amount of nitrogen you decided to apply to this field based on--  
    [Enter code for all that apply:]
   a. Results of a soil or plant tissue test?  
   b. Crop consultant recommendation?  
   c. Fertilizer dealer recommendation?  
   d. Extension Service recommendation?  
   e. Cost of nitrogen and/or expected commodity price?  
   f. Routine practice (operator’s own determination based on past experience, yield goal, etc.)?  

15. Did you use any product to slow the breakdown of nitrogen on this field?  
    (For example a nitrification inhibitor such as N-Serve or a urease inhibitor such as Agrotain)
16. Was lime ever applied to this field? ................................................................. YES = 1
   a. [If no lime applied, go to item 17–else continue.]
      On average, how many years are there between applications of lime to this field? .... 
   b. How many tons of lime were applied per acre
      the last time it was applied to this field? ........................................................ 
   c. [If rented, 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)? ................................. 

17. Was sulfur applied to this field for the 2001 crop? ......................................... YES = 1
   a. [If sulfur applied, ask–]
      How many pounds of sulfur were applied per acre? ............................................ 

18. Was gypsum applied to this field for the 2001 crop? .......................... YES = 1
   19. Was manure applied to this field for the 2001 corn crop?
      (Exclude commercially prepared manure.)
      ☐ YES - [Enter code 1 and continue.] .........................................................
      ☐ NO - [Go to Section D.]
   a. How many acres was manure applied to? .................................................... 
   b. What was the total amount of manure applied to this field? 
      1 - TONS 2 - GALLONS ............................................................... 1 - TONS 2 - GALLONS 
      CODE 1172 CODE 1176 TOTAL UNITS 1173 TOTAL UNITS 1177 OR OR
      UNITS PER ACRE 1174 UNITS PER ACRE 1178 MILES 1175 MILES 1179
   c. What is the hauling distance between the manure storage and the manured field? .
   d. What was the capacity of the manure spreader used to apply manure to this field?
      1 - TONS 2 - GALLONS ............................................................... 1 - TONS 2 - GALLONS 
      CODE 1176 CODE 1178 TOTAL UNITS 1177 TOTAL UNITS 1178
   e. What percent of the total manure was applied--
      (1) in the fall before planting? ......................................................................+
      (2) in the spring before planting? ..................................................................+
      (3) after planting? ......................................................................................+
19. Continued--

**f. Was the manure--**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dry Broadcast without incorporation?</td>
</tr>
<tr>
<td>2</td>
<td>Dry Broadcast with incorporation?</td>
</tr>
<tr>
<td>3</td>
<td>Liquid Broadcast without incorporation?</td>
</tr>
<tr>
<td>4</td>
<td>Liquid Broadcast with incorporation?</td>
</tr>
<tr>
<td>5</td>
<td>Injected/knifed in?</td>
</tr>
</tbody>
</table>

20. **Were the manure APPLICATION RATES to this field influenced by State or local restrictions?**

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

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

1. Nitrogen requirement of the crop?  
   YES = 1

2. Phosphorus requirement of the crop?  
   YES = 1
Including both custom applications and applications made by this operation, let's list all the chemicals used on this field for the 2001 corn crop.

Were any herbicides, insecticides, fungicides or other chemicals used on the corn field for the 2001 crop? [Probe for applications made in the fall of 2000 (and those made earlier if this field was fallow).]

[T-TYPE TABLE]

Include defoliants, fungicides, herbicides, insecticides and pesticides.

 Exclude fertilizers reported earlier and seed treatments.

<table>
<thead>
<tr>
<th>LINE</th>
<th>PRODUCT CODE</th>
<th>What products were applied to this field? [Show product codes from Respondent Booklet.]</th>
<th>Was this product bought in liquid or dry form? [Enter L or D.]</th>
<th>Was this part of a tank mix? [If tank mix, enter line number of first product in mix.]</th>
<th>When was this applied?</th>
<th>How much was applied per acre per application?</th>
<th>OR</th>
<th>What was the total amount applied per application in this field?</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>0305</td>
<td>0306</td>
<td>0307</td>
<td>0308</td>
<td>0309</td>
<td>0310</td>
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<td>02</td>
<td>0305</td>
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<td>0310</td>
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<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>LINE</th>
<th>Pesticide Type (Herbicide, Insecticide, Fungicide, etc.)</th>
<th>EPA No. or Tradename and Formulation</th>
<th>Form Purchased (Liquid or Dry)</th>
<th>Where Purchased [Ask only if EPA No. cannot be reported.]</th>
</tr>
</thead>
</table>

[Include defoliants, fungicides, herbicides, insecticides and pesticides.]

[Exclude fertilizers reported earlier and seed treatments.]
### APPLICATION CODES for column 9

1. Broadcast, ground without incorporation
2. Broadcast, ground with incorporation
3. Broadcast, by air (Aerial application)
4. In Seed furrow
5. In Irrigation water
6. Chisel/injected or knifed in
7. Banded/sidedressed in or over row
8. Foliar or directed spray
9. Spot treatments

[If column 9 = 9, then columns 6 & 10 must be blank.]

<table>
<thead>
<tr>
<th>LINE</th>
<th>9 How was this product applied?</th>
<th>10 How many acres in this field were treated with this product?</th>
<th>11 What was the number of times applied?</th>
<th>12 What was the PRIMARY target pest for this application? [Show Target Pest codes from Respondent Booklet.]</th>
<th>13 Prior to this application, was this years pest problem--</th>
<th>14 Were these applications made by--</th>
<th>OPTIONAL ITEM 4 What was the cost per unit of the product?</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>0311</td>
<td>0312</td>
<td>0313</td>
<td>0314</td>
<td>0315</td>
<td>0316</td>
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<td>0316</td>
<td>0317</td>
</tr>
</tbody>
</table>
3. Were any chemicals or pesticides applied by custom applicators?

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

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

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

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

(Include operator, landlord and contractor cost.)

<table>
<thead>
<tr>
<th>DOLLAR &amp; CENTS PER ACRE</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0320</td>
<td>0321</td>
</tr>
</tbody>
</table>

NOTE 1: For custom applications, If respondent cannot report cost of chemical product separately from application costs, report both in item 4.

NOTE 2: If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Pesticide Table, item D1.

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

(Include operator, landlord and contractor cost, herbicides, insecticides, fungicides, surfactants, chemicals used to kill cover/nurse crop, wetting agents, growth regulators, and materials applied before planting and during 2000 fallow period.

Exclude seed treatments.

<table>
<thead>
<tr>
<th>DOLLAR &amp; CENTS PER ACRE</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0322</td>
<td>0323</td>
</tr>
</tbody>
</table>
PEST MANAGEMENT PRACTICES—SELECTED FIELD

Now I have some questions about your pest management decisions and practices used on this field for the 2001 corn crop. By pests, we mean WEEDS, INSECTS and DISEASES.

1. Was this field scouted for pests using a systematic method? 

   Yes = 1

2. [If item 1 = YES, ask--; else go to item 7.]

   Let’s begin with questions about scouting this field for pests.

   1. [If YES, ask--]
      Who did the majority of the scouting for [column 1]--
      1 Operator, Partner or Family member?
      2 an Employee?
      3 Farm supply or Chemical dealer?
      4 Independent Crop consultant or Commercial scout?

      Code

   a. weeds? 
      Yes = 1
      Code

   b. insects--

      (1) Corn Borer?
      (2) Corn Rootworm?
      (3) Other Insects?

   c. diseases?

3. [If scouted by consultant or commercial scout, ask--]

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

   DOLLARS & CENTS
   PER ACRE OR TOTAL DOLLARS
   1199 . . . 1200

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

   b. What percent of this cost was for insect scouting?

4. [If scouted by operator, partner, family member, employee, ask--]

   How many hours did [operator, partner, family member, employee] spend scouting this field for pests?

   HOURS
   1202

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

   Yes = 1

6. Did you use scouting data and compare it to university or extension guidelines for infestation thresholds to determine when to take measures to control pests?

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

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

8. After planting, did you apply herbicides to this corn field BEFORE weeds emerged? .......................................................... YES = 1

[If item 8 = YES, ask--]

a. Did you select and apply herbicides BEFORE weeds emerged on this corn field based primarily on--

1 routine expectations of what weeds are usually present each spring?
OR
2 systematic weed scouting from the previous year?

9. Did you apply herbicides to this corn field AFTER weeds emerged? .......................................................... YES = 1

[If item 9 = YES, ask--]

a. Did you select and apply herbicides AFTER weeds emerged on the corn field based primarily on--

1 routine treatments or expectations of what weeds are usually present?
OR
2 systematic crop scouting about weeds or weed size?

10. [Enumerator Action: Were INSECTICIDES used (pesticide product codes 1000-2000), in Section D, item 1 column 2?]

☐ YES - [Continue.] ☐ NO - [Go to item 12.]

11. Did you select and apply insecticides to this corn field based primarily on--

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

OTHER PEST MANAGEMENT PRACTICES
By pests, we mean WEEDS, INSECTS and DISEASES

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

13. Did you apply or release any beneficial organisms to control pests in this field? YES = 1

14. Did you use water management practices, such as controlled drainage or irrigation scheduling, to control pests in this field? [Exclude chemigation.] .......................................................... YES = 1

15. Did you chose planting locations to avoid cross infestation of insects or disease? .......................................................... YES = 1

16. Did you use tilling, chopping, mowing, burning of field edges, lanes, ditches, roadways or fence lines to control pests in this field? .......................................................... YES = 1

17. Did you clean equipment and implements after completing field work to reduce the spread of pests from this field? .......................................................... YES = 1
18. Did you cultivate this field for weed control during the growing season? YES = 1
   a. [If item 18 = YES, ask—]
      How many times did you cultivate this field for weed control during the growing season?
   
19. Did you consider pest resistance when selecting which seed variety to plant in this field? YES = 1

20. Did you have the seed used in this field treated for insect or disease control after you purchased the seed? YES = 1

21. Did you adjust planting or harvesting dates to control pests? YES = 1

22. Did you use soil analysis to detect the presence of soilborne pests or pathogens in this field? YES = 1

23. Did you alternate pesticides (use pesticides with different mechanisms of action) to keep pests from becoming resistant to pesticides in this field? YES = 1

24. Did you adjust row spacing or plant density to control pests in this field? YES = 1

25. Did you remove or plow down crop residues to control pests? YES = 1

26. Did you rotate crops on this field during the past 3 years to control pests? YES = 1

27. Did you use biological pest controls on this field? YES = 1
   a. [If item 27 = YES, ask—]
      What were the TOTAL materials and application costs for all biological pest controls for this field?
      [Include landlord’s and contractor’s share.] NO VALUES

28. Did you use topically applied biological pesticides such as Bt, insect growth regulators, neem or other natural products to control pests? YES = 1

29. Did you grow a trap crop to help control pests? YES = 1

30. Did you use weather monitoring to predict the need for pesticide application? YES = 1

31. Did you maintain ground covers, mulches or physical barriers to reduce pest problems? YES = 1

32. Did you use field mapping of previous weed problems to assist you in making weed management decisions? YES = 1
33. Did you do any other type(s) of pest management to control pests in this field? YES = 1
   a. [If item 33 = YES, ask--]
      
      What did you do? [List other activities.]
      
      __________________________________________________________
      __________________________________________________________
      __________________________________________________________

34. If untreated, how much yield loss (e.g. bushels per acre) do you think that CORN BORERS would most likely cause on this field? . . . .

35. If untreated, how much yield loss (e.g. bushels per acre) do you think that CORN ROOTWORMS would most likely cause on this field? . . .

36. If a corn rootworm Bt seed becomes available, how likely would you be to plant it on this field? . . . .

CODE 1244

OFFICE USE 0340

PEST MANAGEMENT INFORMATION

37. [Show Pest Management Information Sources code List from Respondent Booklet.]

What was your primary outside source of information on pest management practices and products for the 2001 corn crop?

PEST MANAGEMENT INFORMATION SOURCES CODE LIST [Choose one.]

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

CODE 1243

[Choose one source and enter code.]

PEST MANAGEMENT TRAINING

38. Have you (the operator) attended any training session on pest identification and management since October 1, 2000 other than pesticide applicator training? . . . YES = 1

CODE 1244

OFFICE USE 0340
1. Now I need to list all tractors and self-propelled harvesters used to produce corn on this selected field.

<table>
<thead>
<tr>
<th>MAKE and MODEL</th>
<th>YEAR</th>
<th>CODE</th>
<th>[If TRACTOR, ask--]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Is this vehicle a --</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2 2-wheel drive tractor?</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>3 2-wheel drive tractor with front wheel assist?</td>
</tr>
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<td></td>
<td></td>
<td>4 4-wheel drive tractor?</td>
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<tr>
<td></td>
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<td></td>
<td>5 crawler or other tracked-tractor?</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>6 other tractor?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7 self-propelled harvester?</td>
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<td></td>
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<td></td>
<td>5 What is its PTO horsepower?</td>
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<td></td>
<td></td>
<td>6 Is it-- diesel?</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>gasoline?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>LP gas</td>
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<td></td>
<td></td>
<td>other?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>[Example: 2000]</td>
</tr>
</tbody>
</table>

Include
- Tractors owned, rented, leased or borrowed
- Self propelled harvesters & combines owned, rented, leased or borrowed

Exclude
- Tractors & self propelled harvesters provided by custom operators
- Harvesters & combines that are not self propelled
Including custom operations, I need to list field work performed by machines on this field for the 2001 corn crop. Please...

- Begin with the first field operation after harvest of previous crop,
  (If fallow during 2000, list operations starting with fall 1999.)
- 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.

## 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
  - Planting and chemical operations for cover/nurse crop
- Exclude:
  - Lime & Gypsum applications

### 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? [Go to Column 11.]

### [If CUSTOM (column 5 = code 6), skip columns 6-10.]

<table>
<thead>
<tr>
<th>S. No.</th>
<th>CODE</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0351</td>
<td>0352</td>
<td>0353</td>
</tr>
<tr>
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<td>0521</td>
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<td>0523</td>
</tr>
</tbody>
</table>

1. For backhoes, disk border maker, ditch closer, ditcher, levee-plow disk, quarter drain machine and rear mounted blade and hauling operations, enter total HOURS, and leave column 10 blank.
3. I need some additional information about the labor used on this field. Please list all workers, paid and unpaid, that worked on this field to produce the 2001 corn crop. **Include** workers who worked on the field during the Fall of 2000 and earlier if field was left fallow during 2000. **Exclude** contract and custom workers.

**[ENUMERATOR INSTRUCTIONS:]** You may list individuals or groups of workers. If workers are grouped, indicate type and number.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>LIST WORKERS</td>
<td>[Enter number of workers.]</td>
<td>[If PAID, ask--]</td>
<td>[If PAID or UNPAID, ask--]</td>
<td>Other than the hours just reported operating machines, what were the total hours (worker) worked on activities for this field? (Include time spent loading materials into equipment, scouting, irrigating, burning, drying, repairing machinery, manual weeding, thinning, rock picking, and management activities.)</td>
<td></td>
</tr>
<tr>
<td>NUMBER</td>
<td>CODE</td>
<td>CODE</td>
<td>DOLLARS &amp; CENTS PER HOUR</td>
<td>TOTAL HOURS</td>
<td></td>
</tr>
<tr>
<td>☐ You (the operator)</td>
<td></td>
<td></td>
<td>0754</td>
<td></td>
<td></td>
</tr>
<tr>
<td>☐ Partners</td>
<td>0755</td>
<td></td>
<td></td>
<td>0759</td>
<td></td>
</tr>
<tr>
<td>☐ Spouse</td>
<td>0761 0762 0763</td>
<td>0764</td>
<td>0769</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>0765 0766 0767 0768</td>
<td></td>
<td>0770 0771 0772 0773</td>
<td>0779</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0775 0776 0777 0778</td>
<td></td>
<td></td>
<td>0780 0781 0782 0783</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0785 0786 0787 0788</td>
<td></td>
<td></td>
<td>0790 0791 0792 0793</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0795 0796 0797 0798</td>
<td></td>
<td></td>
<td>0800 0801 0802 0803</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0805 0806 0807 0808</td>
<td></td>
<td></td>
<td>0810 0811 0812 0813</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0815 0816 0817 0818</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

a. Was any contract labor used on this field? .................................................. YES = 1
(1) [If item 3a = YES, ask--]

What was the average cost per acre for this contract labor? (Include landlord and contractor costs.) ..................................................
4. If UNPAID labor was reported, ask—

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

5. Now I need some information on how much was spent for custom and technical services used on this field for the 2001 corn crop.

   1
   CUSTOM or TECHNICAL SERVICE

Which of these services were done for the 2001 corn crop on this field?

   [Check ✓ box for each service performed; refer to item F2 if necessary.]

   a. custom land preparation, shaping and/or leveling?
   
   b. custom cultivating?
   
   c. custom planting and/or reseeding?
   
   d. custom harvesting?
   
   e. custom hauling to storage or point of first sale?

   (___ • ___ ÷ __________ = ___ • ___)

   Dollars & Cents per unit × Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.

   f. If custom harvesting and custom hauling cannot be separated ask—

   Custom harvesting and custom hauling from this field?

   g. other custom and/or technical services? (specify)

   (Include fees for developing yield maps and remotely sensed images, and other consultant services not previously reported. Exclude custom fertilizer and chemical applications and custom drying.)

   2
   Including landlord’s and contractor’s cost, how much was spent for [column 1] on this field for the 2001 corn crop?

   DOLLARS & CENTS PER ACRE

   a. 
   
   b. 
   
   c. 
   
   d. 
   
   e. 
   
   f. 
   
   g. 

   6. Was there (will there be) a yield monitor on the equipment used to harvest this corn field?

   a. If item 6 = YES, ask—

   Was (will there be) a yield map produced from this harvest using information from the yield monitor?

   (1) If item 6a = YES, ask—

   Was a custom service/consultant hired for this activity?

   7. Regardless of when done, have the different soil properties or soil types of this field been mapped (by grid or otherwise)?

   [Mapped is intended to mean that a GPS unit was used to geo-reference the location of different soil properties.]

   a. If item 7 = YES, ask—

   Was a map produced based on soil tests?

   b. Was a map produced based on a machine that measured electrical conductivity of the soil (e.g. Veris machine)?
8. **Was this field remotely sensed (by airplane or satellite) and an image produced either before or during the 2001 growing season?**
   
<table>
<thead>
<tr>
<th>YES = 1</th>
</tr>
</thead>
</table>

   **a. [If item 8 = YES, ask-]**
   
   **Was a custom service/consultant hired for this activity?**
   
   | YES = 1 |

9. **Was variable rate technology (VRT) used for--**

   | YES = 1 |

   **a. fertilization or liming?**
   
   **(1) [If item 9a = YES, ask-]**
   
   **Was a custom service/consultant hired for this activity?**
   
   | YES = 1 |

   **b. seeding?**
   
   **(1) [If item 9b = YES, ask-]**
   
   **Was a custom service/consultant hired for this activity?**
   
   | YES = 1 |

   **c. pesticide applications?**
   
   **(1) [If item 9c = YES, ask-]**
   
   **Was a custom service/consultant hired for this activity?**
   
   | YES = 1 |

10. **Was a guidance or parallel swathing system (connected to GPS) used with any machine operation on this field (e.g. light bar)?**

    | YES = 1 |
1. How many acres in this field were irrigated for the 2001 corn crop?
   [If none, go to Section H.] ..................................................
   \[ \text{ACRES} \] \[ \text{1268} \] . _____

2. Now, I have some questions about irrigation systems and water used on
   this field for the 2001 corn crop.

   \[ \text{UNIT} \] \[ \text{SYSTEM 1} \] \[ \text{SYSTEM 2} \]

   \[ \text{a. What type(s) of irrigation system(s) were used to} \]
   \[ \text{irrigate this field?} \]
   \[ \text{[Show System Type Codes in the Respondent Booklet. Enter System Type} \]
   \[ \text{Code for up to two systems covering the most field acres.]} \]
   \[ \text{SYSTEM TYPE} \] \[ \text{CODE} \] \[ \text{1269} \] \[ \text{1283} \]

   \[ \text{b. What was the total quantity of water applied} \]
   \[ \text{to this field during the entire growing season?} \]
   \[ \text{[Include ALL water used from both on-farm and off-farm sources.]} \]
   \[ \text{INCHES PER ACRE OR TOTAL ACRE-FEET} \]
   \[ \text{1270} \] \[ \text{1284} \]
   \[ \text{1271} \] \[ \text{1285} \]

   \[ \text{[If operator cannot provide item 2b, ask (1) & (2)--]} \]
   \[ \text{(1) What is the total number of hours this system was} \]
   \[ \text{used to apply water to this field during the corn growing} \]
   \[ \text{season?} \] ..................................................
   \[ \text{TOTAL HOURS} \] \[ \text{1272} \] \[ \text{1286} \]

   \[ \text{(2) How many gallons per minute were applied?} \] ............
   \[ \text{GALLONS PER MINUTE} \] \[ \text{1273} \] \[ \text{1287} \]

   \[ \text{c. What percent of the water used to irrigate this field through this} \]
   \[ \text{system came from surface water sources?} \] .................
   \[ \text{PERCENT} \] \[ \text{1274} \] \[ \text{1288} \]

   \[ \text{d. What was the number of times this field was irrigated} \]
   \[ \text{during the corn growing season using this system?} \]
   \[ \text{[Include any pre-plant irrigation.]} \] ..................................
   \[ \text{NUMBER OF IRRIGATIONS} \] \[ \text{1275} \] \[ \text{1289} \]

   \[ \text{e. Was the pump type--} \]
   \[ \text{[Enter code for most common pump type.]} \]
   \[ \text{(If more than one pump in the system,} \]
   \[ \text{enter type for pump closest to water source.]} \]
   \[ \text{1 TURBINE?} \] \[ \text{1276} \]
   \[ \text{2 SUBMERSIBLE?} \] \[ \text{1290} \]
   \[ \text{3 CENTRIFUGAL?} \] \[ \text{296} \]
   \[ \text{4 BOOSTER?} \] \[ \text{5 SIPHON?} \]
   \[ \text{99 NO PUMP-?} \]
   \[ \text{[If code 99,} \]
   \[ \text{go to item j.]} \]
   \[ \text{CODE} \] \[ \text{1276} \] \[ \text{1290} \]

   \[ \text{f. What was the average pumping rate?} \] ....................
   \[ \text{GALLONS PER MINUTE} \] \[ \text{1277} \] \[ \text{1291} \]

   \[ \text{g. [If item 2a = code 1-9 (PRESSURE SYSTEM), ask--]} \]
   \[ \text{What was the system operating pressure?} \] ...............}
   \[ \text{POUNDS PER SQUARE INCH} \] \[ \text{1278} \] \[ \text{1292} \]

   \[ \text{h. What was the motor type?} \]
   \[ \text{[1 DIESEL} \]
   \[ \text{2 GASOLINE} \]
   \[ \text{3 LP GAS} \]
   \[ \text{4 NATURAL GAS} \]
   \[ \text{5 ELECTRICITY} \]
   \[ \text{6 SOLAR POWER} \]
   \[ \text{CODE} \] \[ \text{1279} \] \[ \text{1293} \]

   \[ \text{i. What was the average motor size?} \] .......................
   \[ \text{HORSE-POWER} \] \[ \text{1280} \] \[ \text{1294} \]

   \[ \text{j. [If NO PUMP was used, ask-- (item e = code 99);} \]
   \[ \text{What was the average flow rate?} \] .......................
   \[ \text{GALLONS PER MINUTE} \] \[ \text{1281} \] \[ \text{1295} \]

   \[ \text{k. How many other acres on this operation were} \]
   \[ \text{irrigated using this field's irrigation system during} \]
   \[ \text{the 2001 growing season?} \] [Exclude this field.]
   \[ \text{ACRES} \] \[ \text{1282} \] . _____
3. **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 4.]

   a. What percent of the water used on this field was purchased?  
      
      b. What was the total cost for the water purchased for this field during the 2001 growing season?  
         *(Include landlord and contractor costs and ditch maintenance costs.)*

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

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

5. **[If POLY PIPE system was used (line a of item 2 = 14), ask-]**

   What was the total amount spent for poly pipe used on this field during the 2001 growing season?  

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

   a. What was the average diameter of gated pipe used to irrigate this field?  
      
   b. What was the total length of gated pipe used?  
      
7. **Were wells used to supply irrigation water for this field?**

   - □ **YES** - [Enter code 1 and continue.]
   - □ **NO** - [Go to item 8.]

   a. How many wells were used to irrigate this field?  
      
   b. What was the average diameter of the outer well casing?  
      
   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.)*
      
   d. **[If same well(s) used to irrigate other fields, ask-]**

      How many other acres on this operation were irrigated using the same well(s) during the 2001 growing season?
8. Other than pipe that is part of the system, was any additional mainline or lateral pipe used to carry water from the source to this field?
   *(Include underground pipe.)*

   ☐ YES - [Continue.]  ☐ NO - [Go to item 9.]

   a. What was the most common type of additional pipe used?  
      
      | PIPE TYPE CODES | CODE |
      |-----------------|------|
      | 1 ALUMINUM - (NON-HI-PRESSURE) | 1310 |
      | 2 ALUMINUM - (HI-PRESSURE)      |      |
      | 3 STEEL                       |      |
      | 4 PLASTIC                     |      |
      | 5 OTHER (SPECIFY:_____________)|      |

   b. What was the average diameter *(in inches)* of the most common type of this additional pipe used?  
      
      | INCHES | CODE |
      |--------|------|
      | 1311   |      |

   c. How many feet of this additional pipe were used to bring water to this field?  
      
      | FEET | CODE |
      |------|------|
      | 1312 |      |

9. Is the run off from this field--  
   
<table>
<thead>
<tr>
<th>RUN-OFF CODES</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 retained at the end of the field?</td>
<td>1313</td>
</tr>
<tr>
<td>2 re-used to irrigate on the farm?</td>
<td></td>
</tr>
<tr>
<td>3 collected in evaporation ponds on the farm?</td>
<td></td>
</tr>
<tr>
<td>4 drained from the farm?</td>
<td></td>
</tr>
<tr>
<td>5 there is no run off.</td>
<td></td>
</tr>
</tbody>
</table>
1. What was (do you expect to be) the moisture content of the corn from this field at harvest? .................................

PERCENT 1314

Now I have some questions about drying corn from this field.

2. Was most of this OPERATION’S (share of) corn from this field--
   (Exclude landlord’s and contractor’s share.)
   1 DRIED USING OPERATION’S FACILITIES
   2 DRIED USING LANDLORD’S or CONTRACTOR’S FACILITIES
   3 CUSTOM DRIED (Include drying on another operation.)
   4 NOT DRIED

   CODE 1315

CENTS PER BUSHEL OR

TOTAL DOLLARS 1317

a. [If CUSTOM DRIED, item 2 = code 3, ask--]
   How much did this operation pay for custom drying? ..............

3. [If field was share rented, ask--]
   Was most of this LANDLORD’S or CONTRACTOR’S (share of) corn from
   this field-- .................................
   1 DRIED USING OPERATION’S FACILITIES
   2 DRIED USING LANDLORD’S or CONTRACTOR’S FACILITIES
   3 CUSTOM DRIED (Include drying on another operation.)
   4 NOT DRIED

   CODE 1318

CENTS PER BUSHEL OR

TOTAL DOLLARS 1320

a. [If CUSTOM DRIED, item 3 = code 3, ask--]
   How much did this landlord or contractor pay for custom drying? .

4. [ENUMERATOR INSTRUCTION: ] If ANY corn was DRIED using operator’s or landlord’s or contractor’s facilities
   (items 2 and 3 = code 1 or 2) → continue; else, go to Section I.

Now, I need a description of the facilities and methods used for drying the corn from the selected field. (Include only those facilities used to remove moisture from corn by drying or cooling.)

<table>
<thead>
<tr>
<th>1</th>
<th>BINS</th>
<th>2</th>
<th>CONTINUOUS FLOW DRYERS</th>
<th>3</th>
<th>BATCH DRYERS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CODE</td>
<td></td>
<td>CODE</td>
<td>CODE</td>
<td></td>
</tr>
</tbody>
</table>

5. What was the main type of drying facility that used heat to dry
   the corn from this field? → → → → →
   (If more than one type was used,
   report the type used to dry the most corn.)

6. What was the main type of cooling or aeration facility used to dry the corn
   from this field? → → → → → → → →
   (If more than one type was used,
   report the type used to dry the most corn.
   Exclude facilities previously reported in item 5.)

7. Of the total bushels of ALL crops dried with all of these facilities,
   what percentage were bushels of corn? .................................

PERCENT 1331
1. Did a landlord or contractor contribute any cost for the corn produced on this field in 2001? [Show Landlord/Contractor Cost items in the Respondent Booklet.]

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

### Landlord/Contractor Costs

<table>
<thead>
<tr>
<th>Which items?</th>
<th>[For each item checked in column 1, ask:] How much did your landlord and/or contractor spend for [column 1 item] for this field?</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Seed Costs</strong></td>
<td>PERCENT</td>
</tr>
<tr>
<td>a. Purchased seed</td>
<td>0863</td>
</tr>
<tr>
<td><strong>Fertilizer Costs</strong> (Exclude Lime and Gypsum.)</td>
<td></td>
</tr>
<tr>
<td>b. Fertilizer custom applications</td>
<td>0864</td>
</tr>
<tr>
<td>c. Fertilizer materials</td>
<td>0865</td>
</tr>
<tr>
<td><strong>Chemicals/Pesticides Costs</strong></td>
<td></td>
</tr>
<tr>
<td>d. Chemical/pesticides custom applications</td>
<td>0866</td>
</tr>
<tr>
<td>e. Chemical/pesticides materials</td>
<td>0867</td>
</tr>
<tr>
<td><strong>Technical Services</strong></td>
<td></td>
</tr>
<tr>
<td>f. Soil tests or plant tissue tests</td>
<td>0868</td>
</tr>
<tr>
<td>g. Scouting services</td>
<td>0869</td>
</tr>
<tr>
<td>h. Biological pest controls and their application</td>
<td>0870</td>
</tr>
<tr>
<td><strong>Custom Field Operations and Services</strong></td>
<td></td>
</tr>
<tr>
<td>i. Custom land preparation, shaping, and/or leveling</td>
<td>0871</td>
</tr>
<tr>
<td>j. Custom cultivating</td>
<td>0872</td>
</tr>
<tr>
<td>k. Custom planting and/or reseeding</td>
<td>0873</td>
</tr>
<tr>
<td>l. Custom harvesting</td>
<td>0874</td>
</tr>
<tr>
<td>m. Custom hauling</td>
<td>0875</td>
</tr>
<tr>
<td>n. Custom drying</td>
<td>0876</td>
</tr>
<tr>
<td>o. Custom harvesting and hauling</td>
<td>0877</td>
</tr>
<tr>
<td>p. Contract and other paid labor</td>
<td>0878</td>
</tr>
<tr>
<td>q. Other custom and/or technical services</td>
<td>0879</td>
</tr>
<tr>
<td><strong>Drying Costs</strong></td>
<td></td>
</tr>
<tr>
<td>r. Fuel and/or electricity for drying</td>
<td>0880</td>
</tr>
<tr>
<td>s. Repairs of the facilities used for drying</td>
<td>0881</td>
</tr>
<tr>
<td><strong>Irrigation and Water Management Costs</strong></td>
<td></td>
</tr>
<tr>
<td>t. Purchased irrigation water</td>
<td>0882</td>
</tr>
<tr>
<td>u. Fuel, lubrication and electricity for irrigation</td>
<td>0883</td>
</tr>
</tbody>
</table>
1. I need to locate the selected field of corn on this map. What county is the selected corn field in?

   Field Description

2. [ENUMERATOR ACTION:
   Mark map to indicate where the selected corn field is located.
   Be sure the “X” marked on map is in county identified above.]

3. We will need additional information to complete this study. We will contact you in February or March, 2002, to collect it. I’ll call you then to set up a time that’s good for you.

4. Would you like to receive a copy of the results of this survey in the mail? (Results will also be available on the Internet at http://www.usda.gov/nass/) YES = 1

5. [Did respondent use farm/ranch records to report?–]
   a. [fertilizer data?] YES = 1
   b. [pesticide data?] YES = 1
   c. [majority of this expense data?] YES = 1

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

   FERTILIZER APPLICATIONS
   PESTICIDE APPLICATIONS
   FIELD OPERATIONS

   OPERATOR/manaGER
   SPOUSE
   ACCOUNTANT/BOOKKEEPER
   OTHER
   OFFICE HOLD
   PARTNER

   Respondent’s name
   [if code 3, 4, or 9] ______________________________

   Phone (_______) ____________________

   ENUMERATOR NAME ______________________________

   DATE: ________ 01

   ENUMERATOR ID 0098

   EVALUATION 0100