**RICE PRODUCTION PRACTICES AND COSTS REPORT FOR 2013**

<table>
<thead>
<tr>
<th>VERSION</th>
<th>ID</th>
<th>TRACT</th>
<th>SUBTRACT</th>
<th>C-TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>___ ___ ___ ___ ___ ___ ___ ___ ___</td>
<td>01</td>
<td>___</td>
<td>115</td>
</tr>
</tbody>
</table>

**CONTACT RECORD**

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INTRODUCTION:**

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

We are collecting information on practices and costs to produce rice and need your help to make the information as accurate as possible. Authority for collection of information on the Rice 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**. You may skip any question(s) you prefer not to answer.

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

**BEGINNING TIME**

0004

**SCREENING BOX**

0006

**POID**

<table>
<thead>
<tr>
<th>POID</th>
<th>POID</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PARTNER NAME</th>
<th>PARTNER NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS</td>
<td>ADDRESS</td>
</tr>
<tr>
<td>CITY</td>
<td>STATE</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**POID**

<table>
<thead>
<tr>
<th>POID</th>
<th>POID</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PARTNER NAME</th>
<th>PARTNER NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDRESS</td>
<td>ADDRESS</td>
</tr>
<tr>
<td>CITY</td>
<td>STATE</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 65 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.
1. **How many acres of rice did this operation plant for the 2013 crop year?** *(If no acres planted, review Screening Survey Information Form, make notes, then go to item 4 on back page).*

   ![Total Planted Acres](image)

   a. Of the total (item 1) acres, how many were planted with the intention of harvesting—

   ![Total Acres Table](image)

<table>
<thead>
<tr>
<th>Number of Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long grain?</td>
</tr>
<tr>
<td>Medium grain?</td>
</tr>
<tr>
<td>Short grain?</td>
</tr>
</tbody>
</table>

   I will follow a simple procedure to make a random selection from the rice fields planted for the 2013 crop.

2. **What is the TOTAL number of rice fields that were planted on this operation?** *(If only one field enter “1” and go to item 5).*

   ![Total Number of Fields Planted](image)

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.)*

<table>
<thead>
<tr>
<th>Field Name, Number or Description</th>
<th>Field Name, Number or Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>
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 rice questions will be about this selected rice field.
   
   [Be sure the operator can identify the selected field.]
1. How many acres of rice did this operation plant in this field for the 2013 crop?  

   a. Are the acres in this field CERTIFIED ORGANIC?  
      [If YES, skip 1b and ask item 2.]  
      YES = 1  

   b. Was this field transitioning into organic rice production in 2013?  
      YES = 1  

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?  

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 2013 rice field?  
   DOLLARS & CENTS PER ACRE  

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  

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 2013 crop on the selected field?  
   (Include the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, drying and irrigation. Exclude real estate tax expenses and lime costs paid by the landowner.)  
   DOLLARS & CENTS OR TOTAL DOLLARS  

6. What was the total cost for all inputs provided by any contractor for the 2013 crop on the selected field?  
   (Include the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, drying and irrigation.)  
   DOLLARS & CENTS OR TOTAL DOLLARS  

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

8. On what date was this field planted?  
   UNITS PER ACRE  
   a. What was your yield goal at planting for this field?  
      (Include any ratoon crop.)  
      1=POUNDS  
      2=CWT  
      3-TONS  
      4-BUSHELS  
      5-BARRELS  
      __ __ __ __ __
9. What type of rice was planted in this field?  
   1 Long?  
   2 Medium?  
   3 Short?  

10. What was the source of the rice seed?  
   1 Purchased?  
   2 Homegrown or traded?  
   3 Both?  

   [If item 10 = 2 or 3, ask--]
   a. What was the cost per pound for cleaning and treating this seed?  
   [If item 10 = 2 or 3, ask--]
   b. How much of the rice seed planted in this field was grown (or received in trade)  
      by this operation?  

11. [If any seed purchased (item 10 = 1 or 3), ask--]
    What was the total cost per unit (including both your and the landlord’s share)  
    of purchased seed for this field?  
    (Include cost of seed treatment.)

12. What was the seeding rate per acre the first time this  
    field was planted?  
    a. What method of seeding did you use on  
       this field?  
       1 Water seeded (airplane)?  
       2 Drilled (dry)?  
       3 Airplane (dry)?  
       4 Other, Broadcast (dry)?
13. How many acres in this field had to be replanted to rice?
   (Acres replanted = Number of acres x Number of times replanted.) .................................................................

14. Was a hybrid rice seed planted in this field? .......................................................... YES = 1

15. Was a herbicide resistant rice seed (such as Clearfield) planted in this field? .......... YES = 1

16. If a genetically modified, herbicide-tolerant (such as glufosinate-tolerant) rice seed becomes available, how likely would you be to plant it in this field under the following conditions?
   [Assume total cost of seed includes technology fee.]
   a. seed cost does not increase. .................................................................
   b. 10 percent seed cost increase. .................................................................
   c. 20 percent seed cost increase. .................................................................
   d. 30 percent seed cost increase. .................................................................

17. If a genetically modified insect-resistant (such as Bt) rice seed becomes available, how likely would you be to plant it in this field under the following conditions?
   [Assume total cost of seed includes technology fee.]
   a. seed cost does not increase. .................................................................
   b. 10 percent seed cost increase. .................................................................
   c. 20 percent seed cost increase. .................................................................
   d. 30 percent seed cost increase. .................................................................

18. If a genetically modified, nutritionally-enhanced, such as golden rice with beta-carotene (pro vitamin A), rice seed becomes commercially available, how likely would you be to plant it in this field if seed costs and rice yields were the same as conventional rice? .................................................................

19. Has harvest of this field been completed? .......................................................... YES = 1
20. 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 this rice field were (or will be)---</th>
<th>ACRES</th>
<th>UNITS PER ACRE</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. harvested for grain, first crop?..................</td>
<td>1346</td>
<td>1347 ___ 1348</td>
<td></td>
</tr>
<tr>
<td>b. harvested for grain, ratoon crop?................</td>
<td>1332</td>
<td>1333 ___ 1334</td>
<td></td>
</tr>
<tr>
<td>c. harvested for commercial seed contract?..........</td>
<td>1431</td>
<td>1432 ___ 1433</td>
<td></td>
</tr>
<tr>
<td>d. abandoned?........................................</td>
<td>1351</td>
<td>___</td>
<td></td>
</tr>
<tr>
<td>e. used for some other purpose?......................</td>
<td>1439</td>
<td>___</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>SEASON AND YEAR</th>
<th>CROP NAME</th>
<th>CROP CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. FALL of 2012?</td>
<td></td>
<td>1343</td>
</tr>
<tr>
<td>b. SPRING/SUMMER of 2012?</td>
<td></td>
<td>1369</td>
</tr>
<tr>
<td>c. FALL of 2011?</td>
<td></td>
<td>1372</td>
</tr>
<tr>
<td>d. SPRING/SUMMER of 2011?</td>
<td></td>
<td>1375</td>
</tr>
<tr>
<td>e. FALL of 2010?</td>
<td></td>
<td>1378</td>
</tr>
<tr>
<td>f. SPRING/SUMMER of 2010?</td>
<td></td>
<td>1381</td>
</tr>
<tr>
<td>g. FALL of 2009?</td>
<td></td>
<td>1366</td>
</tr>
<tr>
<td>h. SPRING/SUMMER of 2009?</td>
<td></td>
<td>1340</td>
</tr>
</tbody>
</table>

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 2012, ask—]
   What was the seed cost per acre for the cover crop? 

   1468
22. In 2013, did your land-use practices for this field include any of the following---

<table>
<thead>
<tr>
<th>LAND-USE PRACTICE</th>
<th>Was this practice used?</th>
<th>What year was this practice first used?</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Terraces</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Grade stabilization structures</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Grassed waterways</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Structures for water control basins</td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Filter strips</td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. Field borders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>g. Riparian buffers (i.e., grass buffers)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>h. Contour farming and strip cropping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>i. Conservation tillage/no-till</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Was (or will there be) an incentive or cost share received from:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Environmental Quality Incentives Program (EQIP)?</td>
</tr>
<tr>
<td>2 Conservation Security or Conservation Stewardship Programs (CSP)?</td>
</tr>
<tr>
<td>3 Conservation Reserve Program (CRP)?</td>
</tr>
<tr>
<td>4 Any other Federal, State, Local or non-government source?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OFFICE USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1440</td>
</tr>
</tbody>
</table>
23. Has the Natural Resource Conservation Service (NRCS) classified any part of this field as “Highly Erodible”? (Cropland identified as highly erodible is subject to highly erodible land conservation (HELC) requirements. Producers who receive farm program payments are required to have (and apply) a written soil conservation plan.) (A “written plan” is a plan prepared in accordance with Federal, State, or district standards.)

<table>
<thead>
<tr>
<th>CODE</th>
<th>YES = 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1404</td>
<td></td>
</tr>
</tbody>
</table>

24. Have you been notified by NRCS that this field contains a wetland?

<table>
<thead>
<tr>
<th>CODE</th>
<th>YES = 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1405</td>
<td></td>
</tr>
</tbody>
</table>

25. During 2013, did any written plan of the following types cover this field— (Include HELC plans and other written plans prepared in compliance with Federal, State, or local regulation.)

<table>
<thead>
<tr>
<th>WRITTEN PLAN TYPE</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES = 1</td>
<td>YEAR</td>
<td>CODE</td>
</tr>
<tr>
<td>a. Conservation plan specifying practices to reduce soil erosion?</td>
<td>1408</td>
<td>1409</td>
<td>1461</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b. Comprehensive nutrient management plan specifying practices for applying both fertilizer and manure?</td>
<td>1410</td>
<td>1411</td>
<td>1462</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c. Nutrient management plan specifying practices for land application of manure only?</td>
<td>1412</td>
<td>1413</td>
<td>1463</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d. Pest management plan to implement Integrated Pest Management (IPM) practices to control weeds, insects, and/or plant diseases?</td>
<td>1414</td>
<td>1415</td>
<td>1464</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e. Irrigation water management plan specifying practices for applying or conserving irrigation water?</td>
<td>1416</td>
<td>1417</td>
<td>1465</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
26. 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 2013 or payments that are anticipated for future years.]

[If item 26 is YES, ask item 26a; else go to item 26b.]

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

b. During the past 4 years, was this field included in an application that was rejected or has not yet been approved or funded under the--

   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

27. In applying for and participating in the conservation program you listed in item 26a or 26b, please indicate the approximate time you spent on the following activities:

a. Learning about the program in general, on your own or at meetings?

b. Planning or designing specific practices for your farm (on your own or in meetings with USDA staff, contractors, or others)?

c. Collecting information (e.g. field characteristics, maps, soil test results) that was needed to fill out program application forms?

d. Filling out the program application forms?

e. If your offer was accepted, understanding and signing the contract? [Enter zero if offer was not accepted.]

f. If your offer was accepted, documenting compliance after the practices were installed or adopted? [Enter zero if offer was not accepted.]
28. If you did not apply for conservation program funding for this field in the past four years, what were your reasons?

<table>
<thead>
<tr>
<th>Reason</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. I was not aware of USDA or other conservation programs.</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1358</td>
</tr>
<tr>
<td>b. I am not aware of environmental problems (on this field).</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1359</td>
</tr>
<tr>
<td>c. Payments are not high enough</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1360</td>
</tr>
<tr>
<td>d. Government standards make practices more expensive than they need</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1361</td>
</tr>
<tr>
<td>e. My offer would not have been accepted because the problems in</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1362</td>
</tr>
<tr>
<td>this field are not national or state priorities.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f. The application process is too complicated and time consuming.</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1363</td>
</tr>
<tr>
<td>g. Documenting compliance would be too complicated and time</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1364</td>
</tr>
<tr>
<td>consuming.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

29. Was the rice in this field covered by Federal Crop Insurance in 2013?

- □ YES – [Enter code 1 and continue.]
- □ NO – [Go to item 31.]

<table>
<thead>
<tr>
<th>Coverage</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Federal CAT (basic</td>
<td></td>
</tr>
<tr>
<td>catastrophic insurance</td>
<td></td>
</tr>
<tr>
<td>2. Buy-up above federal</td>
<td></td>
</tr>
<tr>
<td>CAT yield and/or price</td>
<td></td>
</tr>
<tr>
<td>level</td>
<td></td>
</tr>
<tr>
<td>3. Revenue insurance</td>
<td></td>
</tr>
<tr>
<td>4. Organic plan insurance</td>
<td></td>
</tr>
<tr>
<td>5. Other Federal Crop</td>
<td></td>
</tr>
<tr>
<td>insurance</td>
<td></td>
</tr>
</tbody>
</table>

b. [If item a = 2, ask--]

What was your yield level of your buy-up coverage for this field?  

What was your price level of your buy-up coverage for this field?  

c. [If item a = 3, ask--]

What was the level of revenue coverage you obtained for this field?  

30. If you were to plant rice in this field again, would you choose a higher, lower, or equal level of coverage under the same Federal crop insurance plan type as you bought this time?

<table>
<thead>
<tr>
<th>Choice</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Higher</td>
<td></td>
</tr>
<tr>
<td>2 - Lower</td>
<td></td>
</tr>
<tr>
<td>3 - Equal</td>
<td></td>
</tr>
</tbody>
</table>
31. **Was the rice in this field covered by private crop insurance in 2013** (hail, wind, freeze, etc.)?

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

![Code box]

**DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS**

<table>
<thead>
<tr>
<th>Code</th>
<th>DOLLARS &amp; CENTS PER ACRE</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1395</td>
<td></td>
<td>1396</td>
</tr>
</tbody>
</table>

a. **What was the premium paid for private crop insurance for this field in 2013?** *(Exclude any sign-up fee).*

![Code box]

**YEAR**

<table>
<thead>
<tr>
<th>Code</th>
<th>YEAR</th>
</tr>
</thead>
<tbody>
<tr>
<td>1397</td>
<td>___ ___ ___ ___</td>
</tr>
</tbody>
</table>

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

![Code box]

c. **Did you (or will you) collect an indemnity payment for this field from private crop insurance during 2013?**

![Code box]
1. Were commercial nutrients or fertilizers applied to this field for the 2013 rice crop? 

   If COMMERCIAL nutrient or fertilizer applied, continue; else go to item 6.

2. How many commercial nutrient or fertilizer applications were made to this field for the 2013 crop? (Include applications made by airplanes and custom applicators.)

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

   **CHECKLIST**

   - **INCLUDE**
     - Custom applied nutrients and fertilizers
     - Nutrients or fertilizers applied in the fall of 2012 and those applied earlier if this field was fallow in 2012.
     - Commercially prepared manure or compost
   - **EXCLUDE**
     - Micronutrients
     - Unprocessed manure
     - Nutrients or fertilizers applied to previous crops in this field
     - Lime and Gypsum/landplaster

   **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

<table>
<thead>
<tr>
<th>LINE</th>
<th>MATERIALS USED</th>
<th>What quantity was applied per acre?</th>
<th>How was this applied?</th>
<th>How many acres were treated in this application?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N</td>
<td>P2O5</td>
<td>K2O</td>
<td>S</td>
</tr>
<tr>
<td>01</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>02</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>03</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>04</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>05</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>06</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>07</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
<tr>
<td>08</td>
<td>31</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
</tbody>
</table>
4. Were any nutrients or fertilizers applied by custom applicators?
   ☐ YES - [Continue]  ☐ NO - [Go to item 5]

   a. Are you able to report the cost of nutrient or fertilizer materials and custom application separately?
      ☐ YES - [Continue]  ☐ NO - [Go to item 5]

   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.].

5. 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 and micronutrients. [If custom applied and the cost of material 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 2012. Exclude lime, gypsum, purchased manure and purchased compost.).

6. Was gypsum applied to this field for the 2013 rice crop?  YES = 1

7. Was a soil or plant tissue test performed on this rice field in 2012 or 2013 for the 2013 crop?
   ☐ YES [Continue.]  ☐ NO [Go to item 12.]

8. Was a soil test for phosphorus performed on this rice field in 2012 or 2013 for the 2013 crop?  YES = 1
   a. [If phosphorus test done, ask--]
      How many pounds of phosphorus (per acre) were recommended (by the phosphorus test)?

9. Was a soil test for nitrogen performed on this rice field in 2012 or 2013 for the 2013 crop?  YES = 1
   a. [If nitrogen test done, ask--]
      How many pounds of nitrogen (per acre) were recommended (by the nitrogen test)?

10. Was a plant tissue test or leaf analysis for nutrient deficiency performed on this field for the 2013 crop?  YES = 1

11. How much was spent for these soil and plant tissue tests on this field? (Include operator, landlord, and contractor costs.).
   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 5.
      3 Some other reason
[ENUMERATOR ACTION: Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied, complete item 12. If NO nitrogen applied, go to item 13.]

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

   a. Results of a soil or plant tissue test? .......................................................... YES = 1

   b. Crop consultant recommendation? ................................................................. YES = 1

   c. Fertilizer dealer recommendation? ................................................................. YES = 1

   d. Extension Service recommendation? ............................................................... YES = 1

   e. Cost of nitrogen and/or expected commodity price? ........................................ YES = 1

   f. Contractor recommendation? ........................................................................... YES = 1

   g. Routine practice (operator's own determination based on past experience, yield goal, etc.)? ................................................................. YES = 1

13. Is lime ever applied to this field? ................................................................. YES = 1

   [If no lime applied, go to item 14; else continue.]

   a. 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. Was lime applied to this field in 2012 or 2013 for the 2013 crop? ........................ YES = 1

   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)? ..........................................................

14. Was non-commercial manure (from own farm, from a neighbor's farm, etc.) or other organic material (excluding compost) applied to this field for the 2013 rice crop? (Exclude commercially prepared manure.)

   □ YES - [Enter code 1 and continue] □ NO - [Go to item 16]. .................................

   a. How many acres in this field was manure applied to? ........................................

   b. What was the amount of manure applied to this field? .................................

       1 Tons
       2 Gallons
       3 Bushels

       □ YES - [Enter code 1 and continue] □ NO - [Go to item 16]. .................................
c. What is the distance between the manure storage/production location and this field?

\[ \text{MILES} \]

\[ 0251 \__ \__ \]

\[ \text{1 Tons} \]
\[ \text{2 Gallons} \]
\[ \text{3 Bushels} \]

\[ \text{CODE} \]
\[ \text{TOTAL UNITS} \]

\[ 0252 \__ \__ \]

\[ \text{AND} \]

\[ 0253 \__ \__ \]

d. What was the capacity of the manure spreader (or other vehicle) used to haul manure to this field?

\[ \text{TONS} \]

\[ 0254 \__ \__ \]

\[ \text{GALLONS} \]

\[ 0255 \__ \__ \]

\[ \text{BUSHELS} \]

\[ 0256 \__ \__ \]

\[ \text{100%} \]

\[ \text{CODE} \]

\[ 0257 \__ \__ \]

e. Of the total manure applied to this field for the 2013 crop, what was the percent of manure applied—

\[ (i) \] in the fall before planting?

\[ \text{PERCENT} \]

\[ 0258 \__ \__ \]

\[ (ii) \] in the spring before planting?

\[ \text{PERCENT} \]

\[ 0259 \__ \__ \]

\[ (iii) \] after planting?

\[ \text{PERCENT} \]

\[ 0260 \__ \__ \]

\[ \text{f. Was the manure—} \]

\[ 1 \text{ Lagoon liquid?} \]
\[ 2 \text{ Slurry liquid?} \]
\[ 3 \text{ Semi-dry or dry?} \]

\[ \text{CODE} \]

\[ 0261 \__ \__ \]

g. Was the manure—

\[ 1 \text{ Broadcast or sprayed without incorporation?} \]
\[ 2 \text{ Broadcast or sprayed with incorporation?} \]
\[ 3 \text{ Injected/knifed in?} \]
\[ 4 \text{ Sprayed using irrigation systems?} \]

\[ \text{CODE} \]

\[ 0262 \__ \__ \]

\[ \text{h. Was the major source of the manure from—} \]

\[ 1 \text{ Beef cattle?} \]
\[ 2 \text{ Dairy cattle?} \]
\[ 3 \text{ Hogs?} \]
\[ 4 \text{ Sheep?} \]
\[ 5 \text{ Poultry?} \]
\[ 6 \text{ Equine?} \]
\[ 7 \text{ Biosolids (municipal sludge)?} \]
\[ 8 \text{ Food waste?} \]
\[ 9 \text{ Other? [Specify: ____________]} \]

\[ \text{CODE} \]

\[ 0263 \__ \__ \]

\[ \text{i. Was the manure—} \]

\[ 1 \text{ Produced on this operation?} \]
\[ 2 \text{ Purchased?} \]
\[ 3 \text{ Obtained at no cost off this operation?} \]
\[ 4 \text{ Obtained with compensation? (Operator received payment for accepting the manure.)} \]

\[ \text{DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS} \]

\[ 0264 \__ \__ \]

\[ 0265 \__ \__ \]

\[ \text{CODE} \]

\[ 0266 \__ \__ \]

\[ \text{ii) Did you hire someone to custom apply the manure?} \]

\[ \text{YES} = 1 \]

\[ \text{(a) [If YES, ask---]} \]

\[ \text{DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS} \]

\[ 0267 \__ \__ \]

\[ 0268 \__ \__ \]

\[ \text{CODE} \]

\[ 0269 \__ \__ \]

\[ \text{j. Of the manure applied to this field, was any tested for nutrient content prior to application?} \]

\[ \text{YES} = 1 \]

\[ \text{CODE} \]

\[ 0270 \__ \__ \]
k. Was the application rate of commercial nitrogen fertilizer on this field reduced due to manure application? YES = 1
   (i) [If YES, ask--]
      By what percent did you reduce the commercial nitrogen fertilizer application rate on this field? YES = 1

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

15. Were the manure APPLICATION RATES to this field influenced by Federal, State, or local restrictions? YES = 1
   a. [If item 14 is YES, ask--]
      What basis was used to determine these manure application rate restrictions--
      (i) Nitrogen requirement of the crop? YES = 1
      (ii) Phosphorus requirement of the crop? YES = 1

16. Was compost applied to this field for the 2013 rice crop?
   □ YES - [Enter code 1 and continue] □ NO - [Go to item 17].

   a. How many acres in this field was the compost applied?.

   b. What was the amount of compost applied to this field?.
      1 Tons
      2 Cubic Yards

   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: ____________________ ]

   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.)
(i) \[\text{If item 16d = 2, ask}\]  
What was the total cost of the purchased compost applied to this field? \textit{(Include operator, landlord, and contractor costs and any payment made for transportation costs.)} \hspace{1cm} \begin{array}{|c|c|}
\hline
\text{DOLLARS & CENTS} & \text{OR} & \text{TOTAL DOLLARS} \\
\text{PER ACRE} & \text{PER ACRE} & \text{TOTAL DOLLARS} \\
0273 & \hspace{1cm} \_\_\_ \_ & 0274 \\
\hline
\end{array} \]  

(ii) Did you hire someone to custom apply the compost? \hspace{1cm} \text{YES = 1} 
(a) \text{[If YES, ask--]} 
What was the total cost paid to have compost custom applied to this field? \textit{(Include operator, landlord, and contractor costs.)} \textit{[Do not report custom application cost if it was included with the compost cost.]}. \hspace{1cm} \begin{array}{|c|c|}
\hline
\text{DOLLARS & CENTS} & \text{PER ACRE} \\
\text{PER ACRE} & \text{PER ACRE} \\
0276 & \hspace{1cm} \_\_\_ \_ \\
\hline
\end{array} \]  

(iii) \text{[If item 16d = 1, ask--]} 
What is the distance between the compost storage/production location and this field? \hspace{1cm} \begin{array}{|c|}
\hline
\text{MILES} \\
0291 & \hspace{1cm} \_ \_ \_ \_ \\
\hline
\end{array} \]  

17. \text{Compared to the last time you planted rice, did you make any of the following changes to your cropping practices with the intent of reducing commercial fertilizer use?} 

\begin{itemize}
  \item a. Change the type of commercial fertilizer products applied on this field \textit{[e.g. less anhydrous ammonia and more urea]}? \hspace{1cm} \text{YES=1}  
  \item b. Manage fertilizer use more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on this field? \hspace{1cm} \text{YES=1}  
  \item c. Change your crop rotation \textit{[e.g. plant rice on this field rather than usual crop rotation]}? \hspace{1cm} \text{YES=1}  
  \item d. Reduce the application of commercial nitrogen fertilizer? \hspace{1cm} \text{YES=1}  
  \begin{itemize}
    \item [If YES, ask--] 
    By what percent did you reduce the amount of commercial nitrogen fertilizer applied for 2013? \hspace{1cm} \begin{array}{|c|}
    \hline
    \text{PERCENT} \\
    1225 & \hspace{1cm} \_ \_ \_ \_ \\
    \hline
    \end{array} \]  
  \end{itemize}
\end{itemize}
Now I have some questions about all the biocontrols or pesticides used on this field for the 2013 rice 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 rice field for the 2013 crop? 

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

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

Include defoliants, fungicides, herbicides, insecticides, and other pesticides.  
Exclude nutrients or fertilizers reported earlier and seed treatments. 
Include biological and botanical pesticides.

<table>
<thead>
<tr>
<th>LINE</th>
<th>CHEMICAL PRODUCT NAME</th>
<th>2</th>
<th>What products were applied to this field?</th>
<th>3</th>
<th>Was this product bought in liquid or dry form?</th>
<th>4</th>
<th>Was this part of a tank mix?</th>
<th>5</th>
<th>When was this applied?</th>
<th>6</th>
<th>How much was applied per acre per application?</th>
<th>7</th>
<th>What was the total amount applied per application in this field?</th>
<th>8</th>
<th>How much was applied per acre per application?</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td></td>
<td></td>
<td>[Show product codes from Respondent Booklet.]</td>
<td></td>
<td>[Enter L or D]</td>
<td></td>
<td></td>
<td></td>
<td>BEFORE planting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AT planting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>AFTER Planting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>06</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>07</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>08</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>09</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. [For biocontrols or pesticides not listed in Respondent Booklet, specify—]
### APPLICATIONS CODES for column 9

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Broadcast, ground without incorporation</td>
</tr>
<tr>
<td>2</td>
<td>Broadcast, ground with incorporation</td>
</tr>
<tr>
<td>3</td>
<td>Broadcast, by aircraft</td>
</tr>
<tr>
<td>4</td>
<td>In seed furrow</td>
</tr>
<tr>
<td>5</td>
<td>In irrigation water</td>
</tr>
<tr>
<td>6</td>
<td>Chisel/Injected or knifed in</td>
</tr>
<tr>
<td>7</td>
<td>Banded in or over row</td>
</tr>
<tr>
<td>8</td>
<td>Foliar or directed spray</td>
</tr>
<tr>
<td>9</td>
<td>Spot treatments</td>
</tr>
</tbody>
</table>

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

---

**OPTIONAL ITEM 4**

**What was the cost per unit of the product?**

<table>
<thead>
<tr>
<th>LINE</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>How was this product applied?</td>
<td>How many acres in this field were treated with this product?</td>
<td>How many times was it applied?</td>
<td>Were these applications made by---</td>
</tr>
<tr>
<td></td>
<td>ACRES</td>
<td>NUMBER</td>
<td></td>
<td>1  Operator, partner or family member?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2  Custom applicator?</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3  Employee/Other?</td>
</tr>
<tr>
<td>01</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>02</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>03</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>04</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>05</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>06</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>07</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>08</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>09</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>10</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>11</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>12</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>13</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
<tr>
<td>14</td>
<td>76</td>
<td>77</td>
<td>___</td>
<td>79</td>
</tr>
</tbody>
</table>

**UNIT CODE**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Pounds</td>
</tr>
<tr>
<td>15</td>
<td>Liquid Ounces</td>
</tr>
<tr>
<td>12</td>
<td>Gallons</td>
</tr>
<tr>
<td>28</td>
<td>Dry Ounces</td>
</tr>
<tr>
<td>13</td>
<td>Quarts</td>
</tr>
<tr>
<td>30</td>
<td>Grams</td>
</tr>
<tr>
<td>14</td>
<td>Pints</td>
</tr>
</tbody>
</table>

**DOLLARS & CENTS PER UNIT**

<table>
<thead>
<tr>
<th>LINE</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>01</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>02</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>03</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>04</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>05</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>06</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>07</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>08</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>09</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>10</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>11</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>12</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>13</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
<tr>
<td>14</td>
<td>81</td>
<td>___</td>
<td>___</td>
<td>82</td>
</tr>
</tbody>
</table>
3. **Were any chemicals, biocontrols, or pesticides applied by custom applicators?**
   - [ ] YES – [Continue]
   - [ ] NO – [Go to item 4]

   a. Are you able to report the cost of chemical, biocontrol, and pesticide products and custom application separately?
      - [ ] YES – [Continue]
      - [ ] NO – [Go to item 4]

   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).*
      - [ ] YES – [Continue]
      - [ ] NO – [Go to item 4]

      | DOLLARS & CENTS PER ACRE | OR TOTAL DOLLARS |
      |--------------------------|------------------|
      | 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 2012 fallow period. Exclude seed treatments).*

<table>
<thead>
<tr>
<th>DOLLARS &amp; CENTS PER ACRE</th>
<th>OR TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0334</td>
<td>0335</td>
</tr>
</tbody>
</table>

---

**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.
Now I have some questions about your pest management decisions and practices used on this field for the 2013 rice crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

**ENUMERATOR ACTION:** 
*Were PESTICIDE applications reported in Section D?*

- YES – [Continue]
- NO – [Go to item 6]

1. Was weather data used to assist in determining either the need or when to make pesticide applications?  

   - YES = 1

2. 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

3. 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

**[ENUMERATOR ACTION: Were HERBICIDE (pesticide product codes 40000-49999) applications reported in Section D, item 1, column 2?]**

- YES – [Continue]
- NO – [Go to item 6]

4. Were herbicides applied to this rice field BEFORE weeds emerged?  

   - YES = 1

5. Were herbicides applied to this rice field AFTER weeds emerged?  

   - YES = 1

6. In 2013, 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 7.]
   - 2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 9.]
   - 3 This field was not scouted. [Enter code 3 and go to item 14.]

   - YES = 1

7. Was an established scouting process (systematic sampling, recording counts, etc.) used or were insect traps used in this field?  

   - YES = 1

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

   a. a pest advisory warning?  

   - YES = 1

   b. a pest development model?  

   - YES = 1
9. Was this rice field scouted for--

<table>
<thead>
<tr>
<th>YES = 1</th>
<th>CODE</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Weeds?</td>
<td>0812</td>
<td>0813</td>
</tr>
<tr>
<td>b. Insects or mites?</td>
<td>0815</td>
<td>0816</td>
</tr>
<tr>
<td>c. Diseases?</td>
<td>0818</td>
<td>0819</td>
</tr>
</tbody>
</table>

[If column 1 = YES, ask--]

Who did the majority of the scouting for [column 1]?

1. Operator, partner or family member
2. An employee
3. Farm supply or chemical dealer
4. Independent crop consultant or commercial scout

[If scouted by crop consultant or commercial scout, ask item 10; else go to item 11.]

10. How much was charged for the scouting services for this field?

[Include operator, landlord and contractor cost.]

<table>
<thead>
<tr>
<th>DOLLARS &amp; CENTS PER ACRE</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0821</td>
<td>0822</td>
</tr>
</tbody>
</table>

OFFICE USE

<table>
<thead>
<tr>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0823</td>
</tr>
</tbody>
</table>

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

YES = 1

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

YES = 1

13. Did you use field mapping of previous weed problems to assist you in making weed management decisions?

YES = 1
14. Did you do any of the following other type(s) of pest management practices for the specific purpose of managing or reducing the spread of pests in this field?
[Enter code “1” for all that apply.]

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

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

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

  a. **If item 15 or item 16 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 previously reported. 

<table>
<thead>
<tr>
<th>DOLLARS &amp; CENTS</th>
<th>TOTAL DOLLARS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PER ACRE</td>
<td></td>
</tr>
<tr>
<td>0859</td>
<td>0860</td>
</tr>
</tbody>
</table>
17. Was a trap crop (excluding fallow) grown to help manage insects in this field? YES = 1

18. Was this field left in fallow in 2012 to help manage insects on this field? YES = 1

19. Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage pests or toxin-producing fungi and bacteria? YES = 1

20. Did you use any non-chemical controls for blackbirds on this rice field? YES = 1
   a. [If YES, ask-]
      What was the cost of all non-chemical blackbird control used on this field in 2013? include guns, shotgun shells, propane, etc.
      DOLLARS & CENTS PER ACRE OR TOTAL DOLLARS

PEST MANAGEMENT INFORMATION

21. [Show Pest Management Information Sources Code List from Respondent Booklet.]
   Which is the most important outside source of information on pest management practices and products used for the 2013 rice crop?

   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

22. Did pests (weeds, insects, diseases, animals) cause any yield loss on this field in spite of your pest control efforts? YES = 1

Completion Code for Pest Management Data

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0500</td>
<td>Incomplete/Refusal</td>
</tr>
<tr>
<td>0826</td>
<td>County, Cooperative, or University Extension Advisor, Publications or Demonstrations</td>
</tr>
<tr>
<td>0827</td>
<td>Other – (Specify:______________________________)</td>
</tr>
</tbody>
</table>
1. Including custom operations, I need to list field work performed by machines on this field for the 2013 rice 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 2012, list operations starting with fall 2011];
   - 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
  - Non-Commercial Manure applications & Compost

---

<table>
<thead>
<tr>
<th>LINE</th>
<th>NO.</th>
<th>CODE</th>
<th>CODE</th>
<th>CODE</th>
<th>CODE</th>
<th>CODE</th>
<th>CODE</th>
<th>CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>No.</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
<td>8</td>
</tr>
<tr>
<td>01</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>02</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>03</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>04</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>05</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>06</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>07</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>08</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>09</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>10</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>11</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>12</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>13</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>14</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>15</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>16</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>17</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
<tr>
<td>18</td>
<td>087</td>
<td>87</td>
<td>88</td>
<td>89</td>
<td>90</td>
<td>91</td>
<td>92</td>
<td>93</td>
</tr>
</tbody>
</table>

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

---

### OFFICE USE LINES IN TABLE
0499 0400
2. **Now I need some additional information about your labor.**

   Please report the paid and unpaid labor that worked on this field to produce the 2013 rice crop.  
   *(Exclude labor that was reported for field work performed by machines.)*

<table>
<thead>
<tr>
<th>TYPE OF WORKERS</th>
<th>a. scouting for weeds, insects and diseases?</th>
<th>b. irrigating?</th>
<th>c. performing other work by hand?</th>
</tr>
</thead>
<tbody>
<tr>
<td>You (the operator)</td>
<td>1101</td>
<td>1102</td>
<td>1103</td>
</tr>
<tr>
<td>Partner(s)</td>
<td>1104</td>
<td>1105</td>
<td>1106</td>
</tr>
<tr>
<td>Unpaid workers</td>
<td>1107</td>
<td>1108</td>
<td>1109</td>
</tr>
</tbody>
</table>
| 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                             |

3. **What was the average hourly wage rate paid to part-time or seasonal hired workers?**  
   *(Exclude custom and contract workers, payroll taxes and benefits.)*

4. **What was the average hourly wage rate paid to full-time hired workers?**  
   *(Exclude custom and contract workers, payroll taxes and benefits.)*

5. **Was any contract labor used on this field?**  
   YES = 1
   a. *[If YES, ask ---]*
      
      What was the average cost per acre for this contract labor?  
      *(Include operator, landlord, and contractor costs.)*

6. **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.)*
7. Now I need some information on how much was spent (or will be spent) for custom services used on this field for the 2013 rice crop.

<table>
<thead>
<tr>
<th>CUSTOM SERVICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Which of the following services were performed for the 2013 rice crop on this field?</td>
</tr>
</tbody>
</table>

[Check box for each service performed; refer to item 1 if necessary.]

<table>
<thead>
<tr>
<th>Service Description</th>
<th>DOLLARS &amp; CENTS PER ACRE</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Custom laser leveling of land</td>
<td>1121</td>
</tr>
<tr>
<td>b. Other custom land preparation and/or shaping</td>
<td>1122</td>
</tr>
<tr>
<td>c. Custom planting and/or reseeding</td>
<td>1123</td>
</tr>
<tr>
<td>d. Custom harvesting</td>
<td>1124</td>
</tr>
<tr>
<td>e. Custom hauling to storage or point of first sale</td>
<td>1126</td>
</tr>
<tr>
<td>f. Custom harvesting and hauling from field to storage or point of first sale</td>
<td>1127</td>
</tr>
</tbody>
</table>

8. Is laser leveling ever performed on this field?

- [ ] YES – [Continue]
- [ ] NO – [Go to item 9]

a. On average, how many years are there between laser leveling operations performed on this field?

- [ ] YES – [Continue]
- [ ] NO – [Go to item 9]

\[ \text{YEARS} = 1142 \]
9. 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 11]

Which of the following services did you obtain?

a. Nutrient recommendations/management service? .......................... YES = 1
   b. Soil or tissue sample collection? ............................................. YES = 1
   c. Pest control recommendations/management service? ................. YES = 1
   d. Pest scouting? ................................................................. YES = 1
   e. Irrigation management service (i.e. irrigation scheduling)? ............ YES = 1
   f. Yield map or remote sensing map development/interpretation? ....... YES = 1
   g. Other custom or technical service? [Specify: _______________________] ....... YES = 1

10. 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

11. Was there (or will there be) a yield monitor on the equipment used to harvest this rice field? ................................................. YES = 1
   [If YES, continue; else go to item 12]

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

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

      (i) monitor crop moisture content to determine need for crop drying? ........................ YES = 1
      (ii) add/improve tile drainage? .................................................. YES = 1
      (iii) negotiate new crop leases? .................................................. YES = 1
      (iv) other uses [specify: ] .......................................................... YES = 1
12. **During 2012 or 2013, 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**

   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: ______________________]  **YES = 1**

13. **Did you have an airplane or satellite provide an image or photograph of this field either at the start or during the 2013 growing season?**

   **YES = 1**

14. **Was a variable rate applicator used on this field for---**

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

   b. seeding?  **YES = 1**

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

15. **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 2013 rice crop?
   [If none, go to Conclusion].
   ____________________________________________________________
   ACRES
   ______

2. Now, I have some questions about irrigation systems and water used on this field
   for the 2013 rice crop.

   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
      ______
      ______

   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
      ______
      ______

   c. What percent of the water used to irrigate this field through this system came from surface water sources?.
      ____________________________________________________________
      PERCENT
      ______

   d. What was the number of times this field was irrigated during the rice growing season using this system?
      (Include any pre-plant irrigation.).
      ____________________________________________________________
      NUMBER OF IRRIGATIONS
      ______

   e. Was the pump type---
      [If more than one pump in the system, enter type for pump closest to water source.]
      ____________________________________________________________
      CODE
      ______
      ______

   f. What was the average pumping rate?.
      ____________________________________________________________
      GALLONS PER MINUTE
      ______

   g. [If item 2a = code 1-9 (PRESSURE SYSTEM), ask---]
      What was the system operating pressure?
      ____________________________________________________________
      POUNDS PER SQUARE INCH
      ______

   h. What was the primary motor type used to pump the water?
      ____________________________________________________________
      CODE
      ______
      ______

   i. What was the average motor size?.
      ____________________________________________________________
      HORSEPOWER
      ______

   j. [If NO PUMP was used (item 2e = 99), ask---]
      What was the average flow rate?.
      ____________________________________________________________
      GALLONS PER MINUTE
      ______

   k. How many other acres on this operation were irrigated using this field’s irrigation system during the 2013 growing season?  
      (Exclude this field.).
      ____________________________________________________________
      ACRES
      ______

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 OR TOTAL DOLLARS
   ______
   ______
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].  
   
   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 2013 growing season? *(Include operator, landlord, and contractor costs and ditch maintenance costs for this field.)*  
      - DOLLARS & CENTS PER ACRE  
      - TOTAL DOLLARS  

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?  

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 2013 growing season? *(Include operator, landlord, and contractor costs.)*  

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

8. **Were wells used to supply irrigation water for this field?**  
   - ☐ YES – [Enter code 1 and continue]  
   - ☐ NO – [Go to item 9].  
   
   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. Did the well(s) have a water meter or other flow measurement device?  
      - YES = 1  
   
   e. Were other fields irrigated using water pumped from wells that supplied water to the selected field?  
      - ☐ YES – [Enter code 1 and continue]  
      - ☐ NO – [Go to item 9].  
   
   f. Excluding this field, how many other acres on this operation were irrigated using the same wells during the 2013 growing season?  
      - ACRES
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? ..

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

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

    - retained at the end of the field?
    - Reused to irrigate on the farm?
    - Collected in evaporation ponds on the farm?
    - Drained from the farm?
    - There is no run-off.

11. **Did you reduce the water applied to this field in 2013 due to reduced availability of water supplies?**  YES = 1

12. **If this field was flood irrigated using a gravity system, which water-management approach was used?** ..

    1. Permanent flooding?
    2. Pinpoint flooding?
    3. Delayed flooding?
    4. Intermittent, controlled, or alternate wetting and drying (AWD) irrigation?
    5. Furrow, or raised bed irrigation?
LOCATION OF SELECTED FIELD

1. I need to locate the selected field of rice on this map.

2. What county is the selected rice field in? ............

   Field description ...........................................

FOR STATES WITH GPS UNITS ONLY

Field location ..............................................

   LATITUDE...........................................

   N  d  d  m  m  s  s

   LONGITUDE...........................................

   W  d  d  m  m  s  s

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

4. We will need additional information to complete this study. We will contact you in February or March 2014 to collect it. I’ll call you then to set up a time that is good for you.

5. 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

6. ENDING TIME [MILITARY].............................................

RECORDS USE

7. [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

SUPPLEMENTS USED

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

   FERTILIZER APPLICATIONS

   0041

   PESTICIDE APPLICATIONS

   0042

   FIELD OPERATIONS

   0043

   Reported by: ________________________________

   Telephone: (______)__________________

   M  M  D  D

   13

   9910

   9911

Office Use

<table>
<thead>
<tr>
<th>Response</th>
<th>Respondent</th>
<th>Mode</th>
<th>Enum</th>
<th>Eval</th>
<th>R. Unit</th>
<th>Change</th>
<th>Optional Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 - Comp</td>
<td>9901</td>
<td>9902</td>
<td>9903</td>
<td>0098</td>
<td>0100</td>
<td>0921</td>
<td>0785</td>
</tr>
<tr>
<td>2 - R</td>
<td>9901</td>
<td>9902</td>
<td>9903</td>
<td>0098</td>
<td>0100</td>
<td>0921</td>
<td>0785</td>
</tr>
<tr>
<td>3 - Inac</td>
<td>9901</td>
<td>9902</td>
<td>9903</td>
<td>0098</td>
<td>0100</td>
<td>0921</td>
<td>0785</td>
</tr>
<tr>
<td>4 - Office Hold</td>
<td>9901</td>
<td>9902</td>
<td>9903</td>
<td>0098</td>
<td>0100</td>
<td>0921</td>
<td>0785</td>
</tr>
<tr>
<td>S/E Name</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>