|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project 906 - ARMS Phase II | | | | | |  | | | OMB No. 0535-0218 Approval Expires 9/30/2008 | | | | | | | |
| SURVEY_LOGO_1:USDA_logo_bw.gif | | | **AGRICULTURAL RESOURCE MANAGEMENT SURVEY** | | | | | | | | | | SURVEY_LOGO_2:ERS Logo.bmp | | **NATIONAL**  **AGRICULTURAL**  **STATISTICS**  **SERVICE** | |
| **RICE PRODUCTION PRACTICES AND COSTS REPORT** | | | | | | | | | |
|  | | | **for 2006** | | | | | | | | | U.S. Department of Agriculture,  Rm 5030, South Building  1400 Independence Ave., S.W.  Washington, DC 20250-2000  Phone: 1-800-727-9540  Fax: 202-690-2090  Email: nass@nass.usda.gov | | | | |
|  | | | | | | | | | | | | | | | | |
| **VERSION**  **2** | | **ID**  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_** | | | | | **TRACT**  **01** | **SUBTRACT**  **\_\_\_ \_\_\_** | | **T-TYPE**  **0** | **TABLE**  **000** | | | **LINE**  **00** | | **SURVEY_LOGO_4:ERS Logo.bmp** |
|  | | | | | | | | | | | | | | | | |
| **CONTACT RECORD** | | | | | | | | | | | | | | | | |
| DATE | | TIME | | | NOTES | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  |  | | |  |  | | | | | | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **INTRODUCTION:**  [*Introduce yourself, and ask for the operator. Rephrase in your own words*.]  We are collecting information on practices and costs to produce 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. Response to this survey is confidential and voluntary.  We encourage you to refer to your farm records during the interview. | | | |
|  | | | **H H M M** |
|  | | **BEGINNING TIME**  [*MILITARY*] | 0004 |
| **\_\_ \_\_ \_\_ \_\_** |
|  | | | **SCREENING BOX** |
|  | | | 0006 |
|  | **[*ENUMERATOR NOTE: If screening box is code 1,***  ***complete the screening Supplement.***  ***If Screening box is not coded, begin with Section A.*]** | | |

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [*Name, address and partners verified and updated if necessary*] | | | | | | | | |
| **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | |
| PARTNER NAME | | | | PARTNER NAME | | | | |
| ADDRESS | | | | ADDRESS | | | | |
| CITY | STATE | ZIP | PHONE NUMBER | | CITY | STATE | ZIP | PHONE NUMBER |
| **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | |
| PARTNER NAME | | | | PARTNER NAME | | | | |
| ADDRESS | | | | ADDRESS | | | | |
| CITY | STATE | ZIP | PHONE NUMBER | | CITY | STATE | ZIP | PHONE NUMBER |

|  |  |  |
| --- | --- | --- |
| **A** | **RICE FIELD SELECTION** | **A** |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **How many acres of rice did this operation plant for the 2006 crop year?** | | | | | | | | | **TOTAL PLANTED ACRES** |
| ► [*If no acres planted, review Screening Survey Information Form.*  *Make notes, then go to item 4 on back page***.**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 0050  **.\_\_\_** |
|  | | | | | | | | | |
| a. Of the total (*item 1*) acres, how many were planted with the intention of harvesting-- | | | | | | | | |  |
|  | | | | **TOTAL ACRES** | |  | | | **NUMBER OF FIELDS** |
| (i) Long grain?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 0051 | **.\_\_\_** | **+** | | | 0056 |
| (ii) Medium grain?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 0052 | **.\_\_\_** | **+** | | | 0057 |
| (iii) Short grain?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 0053 | **.\_\_\_** | **+** | | | 0058 |
| b. Of the total (*item 1*) acres, how many were planted with *NO* intention of harvesting-- | | | | | | | | | |
|  |  | | | **TOTAL ACRES** | |  | | | **NUMBER OF FIELDS** |
| (i) Other? (*Specify*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | | . . . . . . . . . | | 0059 | **.\_\_\_** | **+** | | | 0060 |
|  | | | [*Item 1a + 1b Must Equal Item 1*] | | | |  | | |
| 2. **I will follow a simple procedure to make a random selection from the rice fields**  **planted for the 2006 crop.** | | | | | | | | | |
|  | | | | | | | | | |
|  | | | | | | | | | **TOTAL NUMBER OF FIELDS PLANTED** |
| Then the TOTAL number of rice fields planted on this operation is [*items 1a + 1b*]---. . . . . . . . . | | | | | | | | **=** | 0020 |
|  | | | | | | | | | *[If only 1 field, enter 1 and go to item 4.]* |
|  | | | | | | | | | |
| 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,*  a*nd list only the 18 fields closest to the operator’s permanent residence.*  *► If respondent is unable to identify or describe the fields, use the Field Selection Grid Supplement.]* | | | | | | | | | |

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

|  |  |  |
| --- | --- | --- |
|  | | |
|  | | |
| **APPLY “RANDOM NUMBER’ LABEL HERE** |  | |
|  | | |
|  | | |
| 4. **[ENUMERATOR ACTION:]** | | **SELECTED FIELD**  **NUMBER** |
| *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 1 field, enter 1*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 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.]* | | |
|  | | |

|  |  |  |
| --- | --- | --- |
| **B** | **FIELD CHARACTERISTICS---**SELECTED FIELD | **B** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | |
|  | | | | | | | **ACRES** | |
| 1. **How many acres of rice did this operation plant in this field for the 2006 crop?**. . . . . . . . . . . . . . . | | | | | | | 1301 | **.\_\_\_** |
|  | | | | | | | **CODE** | |
| a. Are the acres in this field **CERTIFIED ORGANIC**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | | 1311 | |
|  | | | | | | | **CODE** | |
| 2. **Are 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? | | | | |  | 1302 | |
|  |  | | | | |  |  | |
|  | | | | | | | **DOLLARS & CENTS PER ACRE** | |
| 3.[*If field is CASH RENTED (item 2 = 2, 3 or 5), ask*--, *else go to item 4.*]  **What was the cash rent paid per acre for this 2006 rice field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | 1303  **.\_\_ \_\_** | |
| [*If item 2 = 2, ask items 3a, 3b, and 3c---else go to item 4*.] | | | | | | |  | |
| a. How many total crop acres were cash rented from the landlord/owner of this rice field (*i.e., the number of acres in the FSA farm that includes this rice field*)?. . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | **ACRES** | |
|  | | | | | | | 1309 | **.\_\_\_** |
|  | | | | | | | **TOTAL DOLLARS** | |
| b. What was the total amount of the Direct Payment under the 2006 Farm Commodity Program you received (*or will receive*) for all the crop acres you cash rented from the landlord/owner of this rice field (*i.e., total Direct Payment for the FSA farm that includes this rice field*)?. . . . . . . | | | | | | | 1310 | |
|  | | | | | | | **CODE** | |
| c. When you signed the cash lease for this rice field, did you expect a  Counter-cyclical Payment would be declared in 2006?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | | 1312 | |
|  | | | | | | | **PERCENT** | |
| 4. [*If field is SHARE RENTED (item 2 = 4 or 5), ask*--]  **What was the landlord’s share of the crop from this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | 1304 | |
|  | | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | | **TOTAL DOLLARS** | |
| 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  and contractor for the 2006 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  *(****Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services,  custom operations, and irrigation.* ***Exclude*** *real estate tax expenses, drying, and   lime costs paid by the landowner*.) | | 1305 | **.\_\_\_ \_\_\_** | |  | | 1306 | |
|  | |  | | | | | **YEAR** | |
| 6. **What year did you** (*the operator listed on the label*) **start operating this field?**. . . . . . . . . . . . . . . . . . . . | | | | | | | 1307  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** | |
|  | | | | | | |  | |
|  | | | | | | | **MM DD YY** | |
| 7. **On what date was this field planted?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | 1308  **\_\_ \_\_ \_\_ \_\_ \_\_ \_\_** | |

|  |  |
| --- | --- |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | **CODE** |
| 8. **What type of rice was planted in this field?**. . . . . . . . . . . . . . . . . . . . | 1 Long  2 Medium  3 Short | . . . . . . . . . . . . . . | 1324 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | |  |
|  | **UNITS** | | **UNIT CODES**  **for Seeding Rate**  1=Pounds/Acre  2=CWT/Acre  4=Bushels/Acre  25=Seeds/Acre | |
| 9. **What was the seeding rate per acre the first time  this field was planted?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1313 | **.\_\_\_** | 1314 | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
| 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) | . . . . . . . | **CODE** |
| 1315 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | **CODE** | | | |
| 11. **Was the the rice seed planted in this field--**. . . . . . . . . | 1 Purchased?  2 Homegrown or traded?  3 Both? | . . . . . . . . . . . . . . . . . . | 1316 | | | |
| *[If item 11 = 2 or 3, ask*--] | | | **DOLLARS & CENTS**  **PER POUND** | | | |
| a. What was the cost per pound for cleaning and treating this seed?. . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1321 | | **.\_\_\_ \_\_\_** | |
| [*If item 11 = 3, ask*--] | | | | **PERCENT** | | |
| b. How much of the rice seed planted in this field was grown (*or received in trade*) by  this operation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1317 | | |
|  | | | | **ACRES** | | |
| 12. **How many acres in this field had to be replanted to rice?**  (*Number of acres times the number of times replanted*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1318 | | **.\_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | | **UNIT CODES** |
| [*If any seed purchased* (*item 11 = 1 or 3*) *ask,---* *else go to item 20.*] | **DOLLARS & CENTS**  **PER UNIT** | | 1 = POUNDS  2 = CWT  3 = TONS  4 = BUSHEL  22 = ACRE  23 = 50 LB BAGS |
| 13. **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 technology fee*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1319 | **.\_\_\_ \_\_\_** | 1320 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  | | **CODE** |
| 20. **Was a hybrid rice seed planted in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1326 |
|  | | |  |  |
| 21. **Was a herbicide resistant rice seed** (*such as Clearfield*) **planted in this field?**. . . . . . . . . . . . | | | **YES = 1** | 1327 |

|  |  |
| --- | --- |
|  | **CODES** |
| 22. **If a genetically modified herbicide-resistant** (*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.*] | 1 = Very likely to plant  2 = Somewhat likely to plant  3 = Uncertain  4 = Somewhat unlikely to plant  5 = Very unlikely to plant |
| a. seed cost does not increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1401 |
| b. 10 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1402 |
| c. 20 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1403 |
| d. 30 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1404 |

|  |  |
| --- | --- |
|  | **CODES** |
| 23. **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.*] | 1 = Very likely to plant  2 = Somewhat likely to plant  3 = Uncertain  4 = Somewhat unlikely to plant  5 = Very unlikely to plant |
| a. seed cost does not increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1405 |
| b. 10 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1406 |
| c. 20 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1407 |
| d. 30 percent seed cost increase. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1408 |

|  |  |
| --- | --- |
|  | **CODES** |

|  |  |
| --- | --- |
|  | 1 = Very likely to plant  2 = Somewhat likely to plant  3 = Uncertain  4 = Somewhat unlikely to plant  5 = Very unlikely to plant |
| 24. **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?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |
| 1409 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 25. **Has harvest of this field been completed?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1328 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 26. **Now I need information about the acres harvested** (*or to be harvested*) **and the yields from this field**. | | | | | | |
| **How many acres in this rice field were** (*will be*)-- | **ACRES** | | | **1**  **What yield per acre did you get**  (*do you expect*  *to get*)  **for—**  **UNITS PER ACRE** | | **2**  **UNIT CODES**  1= POUNDS  2= CWT  3= TONS  4= BUSHELS  5= BARRELS  **UNIT CODES** |
| a. harvested for grain, first crop?. . . . . . . . . . . . . . . . . . . . . . . . . . | 1329 | .\_\_\_ | | 1330 | **.\_\_\_** | 1331 |
| b. harvested for grain, ratoon crop?. . . . . . . . . . . . . . . . . . . . . . . . | 1332 | | .\_\_\_ | 1333 | .\_\_\_ | 1334 |
| c. harvested for seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1335 | | **.\_\_\_** | 1336 | **.\_\_\_** | 1337 |
| d. abandoned?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1338 | | **.\_\_\_** |  | |  |
| e. used for some other purpose?. . . . . . . . . . . . . . . . . . . . . . . . . . | 1339 | | **.\_\_\_** |  | |  |

|  | | | |
| --- | --- | --- | --- |
| **CROP CODE LIST for item 27**  PREVIOUSLY **PLANTED CROP was---** | | | |
| 1 Alfalfa hay | 196 Tobacco, flue cured | 16 Peanuts | 26 Soybeans |
| 11 Hay, all other | 193 Tobacco, burley | 17 Dry Peas | 28 Sugarbeets |
| 190 Barley | 281 Cotton, Upland | 20 Potatoes | 30 Sunflowers |
| 3 Dry Beans | 282 Cotton, Pima | 21 Rice | 142 Vegetables |
| 85 Canola | 302 CRP | 22 Rye | 163 Wheat, durum |
| 310 Clover | 311 Grasses other than clover | 98 Safflower | 164 Wheat, other spring |
| 6 Corn for grain | 94 Mustard Seed | 25 Sorghum for grain | 165 Wheat, winter |
| 5 Corn for silage | 15 Oats | 24 Sorghum for silage | 318 **No crop planted** during this period |
|  | 31 Sweet Potatoes |  |  |

|  |  |  |
| --- | --- | --- |
| 27. **Next, I need to know what crops were previously PLANTED on the majority of this field, including cover crops.** | | |
| **What crop was PLANTED on this field in---** | | |
|  | **CROP NAME** | **CROP CODE** |
| a. **FALL of 2005**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1352 |
| b. **SPRING/SUMMER of 2005**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1353 |
| c. **FALL of 2004**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1354 |
| d. **SPRING/SUMMER of 2004**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1355 |
| e. **FALL of 2003**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1356 |
| f. **SPRING/SUMMER of 2003**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1357 |
|  | | |

|  |  |  |
| --- | --- | --- |
| 28. **In 2006, did your land-use practices for this field include---** | | **CODE** |
| a. terraces?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1358 |
| b. temporary or permanent levees?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1359 |
| c. grassed waterways?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1360 |
| d. filter strips or riparian buffers on or adjoining the field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1361 |
| e. contour farming?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1362 |
| f. strip cropping?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1363 |
| g. underground outlets such as tile drainage?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1364 |
| h. other drainage channels or diversions?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1365 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 29. **Has the Natural Resource Conservation Service** (NRCS) **classified any**  **part of this field as “Highly Erodible”?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1366 |
|  |  |  |
| 30. **Have you been notified by NRCS that this field contains a wetland?**. . . . . . . . . . . . . . . . . . | **YES = 1** | 1367 |
|  |  |  |
| 31. **In 2006, did you receive technical assistance for planning, installing**,  **maintaining, or using conservation practices or systems on this field?**  (***Include*** *grassed waterways and filter strips or riparian buffers, or drainage area, on or adjoining this field.*  ***Include*** *assistance from any source whether paid for or free*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** |  |
| 1368 |
|  |  |  |
| 32. **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 2006 or payments that are anticipated for future years*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** |
| 1369 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | |  |  |
| [*If item 32 is YES, ask*---, *else go to item 32b.*] | | |  |  |
| a. Have (*or will*) you receive cost sharing or incentive payments for--- | | |  | **CODE** |
| (i) Environmental Quality Incentives Program (EQIP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1370 |
| (ii) Conservation Security Program (CSP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1371 |
| (iii) Conservation Reserve Program (CRP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1395 |
| (iv) Other programs? | (*Specify:*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | . . . . . . . . . . . . . . . . . . | **YES = 1** | 1396 |
|  | | |  |  |
| b. Was this field included in an application that was rejected for an existing conservation program and if so, was it rejected from--- | | | | **CODE** |
| (i) Environmental Quality Incentives Program (EQIP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1397 |
| (ii) Conservation Security Program (CSP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1398 |
| (iii) Conservation Reserve Program (CRP)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1399 |
| (iv) Other programs? | (*Specify:*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | . . . . . . . . . . . . . . . . . . | **YES = 1** | 1400 |

|  |  |  |  |
| --- | --- | --- | --- |
| 33. **During 2006, 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.)* | | **CODE** | **YEAR IMPLEMENTED** |
| a. Conservation plan specifying practices to reduce soil erosion?. . . . . . . . . . . . | **YES = 1** | 1372 | 1373  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
| b. Comprehensive nutrient management plan specifying practices for  applying both fertilizer and manure?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1374 | 1375  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
| c. Nutrient management plan specifying practices for land application  of manure only?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1376 | 1377  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
| d. Pest management plan specifying pesticide use and/or other  practices controlling weeds, insects, or plant disease?. . . . . . . . . . . . . . . . . . | **YES = 1** | 1378 | 1379  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
| e. Irrigation water management plan specifying practices for applying  or conserving irrigation water?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1380 | 1381  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | |  |
| [*If items 33a, b, c, d, or e = YES, ask---*] | | | **CODE** |
| 34. **During 2006, did you pay any technical service provider or consultant to  develop or write any of these plans for which you or the landowner were reimbursed by the Natural Resource Conservation Service?**. . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1382 |
| a. [*If YES, ask---*] | **DOLLARS & CENTS**  **PER ACRE** | **OR** | **TOTAL DOLLARS** |
| What was the reimbursement amount for developing these  plans for this field? (***Include*** *landlord’s/contractor’s share.*  *(****Exclude*** *cost of construction or materials*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1383  **.\_\_\_ \_\_\_** |  | 1384 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 35. **Was the rice in this field covered by Federal Crop Insurance in 2006?** | | | | | | | | | **CODE** |
| **YES** – [*Enter code 1 and continue.*] | **NO** – [*Go to item 36.*]. . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 1385 |
|  | | | | | | | | | |
| a. Which coverage did you obtain?. . . . . . . | 1. Basic catastrophic insurance (*Federal CAT)* 2. Buy-up above basic federal CAT level 3. Revenue insurance 4. Organic plan insurance 5. Other Federal Crop insurance | | |  | | | | | **CODE** |
| . . . . . . . | | | | | 1386 |
|  | | | |  | | | | | **YEAR** |
| b. In what year did you (*the operator listed on the label*) first enroll this field in the Federal crop  insurance program?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 1387  \_\_\_ \_\_\_ \_\_\_ \_\_\_ |
|  | |  | | | |  | | | **POUNDS**  **PER ACRE** |
| c. What is the 2006 Approved APH (*Actual production history*) yield for this field?. . . . . . . . . . . . . . . . . . | | | | | | | | | 1388 |
|  | | **DOLLARS & CENTS**  **PER ACRE** | | | | | **OR** | | **TOTAL DOLLARS** |
| d. What was the premium paid for Federal crop insurance  for this field in 2006?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1390 | **.\_\_\_ \_\_\_** | | | | |  | 1391 | |
|  | | | | |  | | | | **CODE** |
| e. Did you (*or do you expect to*) collect an indemnity payment on this field?. . . . . . . . . . . . . . | | | | | **YES = 1** | | | | 1392 |

|  |  |  |
| --- | --- | --- |
| 36. **Was the rice in this field covered by private crop insurance in 2006?** (*Hail, wind, freeze, etc.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1393 |
| a. Did you (*or do you expect to*) collect an indemnity payment on this field for  private crop insurance?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1394 |

|  |  |  |
| --- | --- | --- |
| **C** | **FERTILIZER and NUTRIENT APPLICATIONS---**SELECTED FIELD | **C** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **CODE** | **EDIT TABLE** |
| 1. **Were commercial FERTILIZERS applied to this field for the 2006  rice crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0202 | 0201 |
| 2. [*If COMMERCIAL fertilizer applied, continue, else go to item 7.*] | | | **NUMBER** |
| 3. **How many commercial fertilizer applications were made to this field  for the 2006 crop?**  (***Include*** *applications made by airplanes and custom applicators*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0203 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 4. **Now I need to record information for each application** | | | | | | |
| **CHECKLIST** | | | |  | | |
| **√** | **INCLUDE** | **√** | **EXCLUDE** |  | | |
| Custom applied fertilizers | | Micronutrients | |  | **T-TYPE** | **TABLE** |
| Fertilizers applied in the fall of  2005 and those applied earlier  if this field was fallow in 2005. | | Unprocessed manure  Fertilizer applied to previous  crops in this field | |  | **2** | **001** |
| Commercially prepared manure | | Lime and Gypsum/landplaster | | **Line**  **99** | **Office Use**  **Lines in Table** | 0213 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | | | |
|  | | | | | **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/Sidedressed in or over row  8 Foliar or directed spray | | | |
|  | | | | | | | | | | | | |
| **L**  **I**  **N**  **E** | **2**  **MATERIALS USED**  [*Enter percentage analysis or*  *actual pounds of plant nutrients applied per acre*.]  [*Show Common Fertilizers in Respondent Booklet*.] | | | | | **3**  **What**  **quantity**  **was**  **applied**  **per**  **acre?**  [*Leave this column blank*  *if actual nutrients*  *were*  *reported.*] | **4**  [Enter  material  code.]  1 Pounds  12 Gallons  19 Pounds  of actual  nutrients | **5**  **When was**  **this applied?**  1 In the fall  before seeding  2 In the spring  before seeding  3 At seeding  4 After seeding | | **6**  **How was**  **this**  **applied?**  [*Refer to*  *code*  *list above.*] | **7**  **How many**  **acres were**  **treated**  **In this**  **application?**  **ACRES** | |
|
|
|
|
| **N**  Nitrogen | **P2O5**  Phosphate | **K2O**  Potash | **S**  Sulfur | |
| **01** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **02** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **03** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **04** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **05** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **06** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **07** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |
| **08** | 0205 | 0206 | 0207 | 0214 | | 0208 | 0209 | 0210 | | 0211 | 0212 | **.\_\_\_** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | |  | |  |
|  | **T – TYPE**  **0** | **TABLE**  **000** | | **LINE**  **00** | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 5. **Were any fertilizers applied by custom applicators?** | | | | | | |
| **YES** - [*Continue*.] | **NO** - [*Go to item 6*.] | | | | | |
| a. Are you able to report the cost of fertilizer materials and custom application separately? | | | | | | **OFFICE USE** |
| **YES** - [*Continue*.] | **NO** - [*Go to item 6*.] | | | | | 0215 |
|  | | | | | | |
| b. Excluding the cost of the fertilizer materials, how much was spent for custom application of fertilizers on this field?  **(*Include*** *landlord and contractor costs***.**  ***Exclude*** *custom application of lime, gypsum, purchased manure & purchased compost*.)  [*If material and application costs can’t be separated,* ***exclude*** *them here and record the total in item 6.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** | |
| 0219 | **.\_\_\_ \_\_\_** | . . . . . | 0220 | |
|  | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** |
| 6. **What was the TOTAL COST of all fertilizer products applied to**  **this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  (***Include*** *landlord and contractor costs***. *Include*** *costs for sulfur**and micronutrients***.**  [*If custom applied,* ***include*** *the cost of materials ONLY,*  *unless materials and application costs cannot be separated.*  ***Include*** *materials applied to this field if it was fallow in 2005*.*]*  ***Exclude*** *lime, gypsum, purchased manure & purchased compost*.) |  | 0221 | **.\_\_\_ \_\_\_** | 0222 |
|  | | | | |

|  |  |  |
| --- | --- | --- |
|  |  | **CODE** |
| 7. **Was gypsum applied to this field for the 2006 rice crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0218 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | **UNIT CODES** |
|  | | **UNITS PER ACRE** | | |  | 1=POUNDS  2=CWT  3=TONS  4=BUSHELS  5=BARRELS |
| 8. **What was your yield** **goal at planting for this field?** (***Include*** *any ratoon crop.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0216 | **.\_\_\_\_** | |  | 0217 |
|  | | | | | |  |
| 9. **Was a soil or plant tissue test performed on this rice field in 2005**  **or 2006 for the 2006 crop?** | | | | | |  |
| **YES** [*Continue*.] | **NO** [*Go to item 14*.] | | | | |  |
|  | | | | | | **CODE** |
| 10. **Was a soil test for phosphorus performed on this rice field in 2005**  **or 2006 for the 2006 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 0225 |
| a. [*If phosphorus test done, ask*---] | | | | | | **POUNDS**  **PER ACRE** |
| How many pounds of phosphorus (*per acre*) were recommended  (*by the phosphorus test*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | 0226 |
|  | | | | | | **CODE** |
| 11. **Was a soil test for nitrogen performed on this rice field in 2005**  **or 2006 for the 2006 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 0227 |
| a. [*If nitrogen test done, ask---*] | | | | | | **POUNDS**  **PER ACRE** |
| How many pounds of nitrogen (*per acre*) were recommended  (*by the nitrogen test*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | 0228 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 12. **Was a plant tissue test for nutrient deficiency performed on this field in 2005**  **or 2006 for the 2006 rice crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0229 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | |  | | |  |  |
|  | | **DOLLARS & CENTS PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| 13. **How much was spent for these soil and plant tissue tests**  **on this field?** *[****Include*** *landlord and contractor costs.]*. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0230 | **.\_\_\_ \_\_\_** | | 0231 |
|  | | | | | | |
| a. If tests were done at no cost explain--- | 1 Soil/plant tissue test provided free of charge  by dealer, crop consultant, or extension service.  2 Soil/plant tissue test costs were included in the total fertilizer costs reported in item 6.  3 Some other reason. | | |  | | **CODE** |
|  | . . . . . . . . | | 0232 |
|  |  | | |
|  | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| 14. [***Enumerator Action: Refer to the Fertilizer Table, column 2.***  *If nitrogen (N) was applied, complete items* *15 and* *16.*  *If NO nitrogen applied, go to item* *17.*] | | | |
|  | | | |
| 15.**Was the amount of nitrogen you decided to apply to this field based on---**  [*Enter code “1” for all that apply.*] | | | |
|  | | | **CODE** |
| a. Results of a soil or plant tissue test?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0233 |
| b. Crop consultant recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0234 |
| c. Fertilizer dealer recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0235 |
| d. Extension Service recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0236 |
| e. Cost of nitrogen and/or expected commodity price?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0237 |
| f. Contractor recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0238 |
| g. Routine practice (operator’s own determination based on past  experience, yield goal, etc.)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0239 |
|  | | | **CODE** |
| 16. **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*). . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0241 |
|  | | | **CODE** |
| 17. **Is lime ever applied to this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0242 |
| a. [*If no lime applied, go to item 18---else continue*.] | | | **YEARS** |
| On average, how many years are there between applications of **lime** to this field?. . . . . . . . . . . . . . | | | 0243 |
|  | | | **TONS PER ACRE** |
| b. How many tons of **lime** were applied per acre the last time it was applied to  this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0244  .\_\_\_ |
|  | | | **CODE** |
| c. Was lime applied to this field in 2005 or 2006 for the 2006 crop?. . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0240 |
| d. [*If rented,* (*item B2 =2, 3, 4, or 5*) *ask---*] | | | **PERCENT** |
| Considering the last time it was applied, what percent of the total cost of lime and  its application was paid by the landlord(s)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0245 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 18. **Was unprocessed manure or other organic material** (*excluding compos*t) **applied to  this field for the 2006 rice crop?** (***Exclude*** *commercially prepared manure*.) | | | | | | | | | | | | | | | | | | **CODE** | |
| **YES** - [*Enter code 1 and continue.*] | | | **NO** - [*Go to item 20*.]. . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | 0246 | |
|  | | | | | | | | | | | | | | | | | | **ACRES** | |
| a. How many acres was manure applied to?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | | | | 0247  **.\_\_\_** | |
|  | | | | | | | | | | | | | | | | | |  | |
| b. What was the amount of manure applied  to this field?. . . . . . . . . . . . . . . . . . . . . . . . | | 1 TONS  2 GALLONS  3 BUSHELS | | |  | **CODE** | | | **AND** | | **UNITS PER ACRE** | | | | | | **OR** | **TOTAL UNITS** | |
|  | |  | | | …... | 0248 | | |  | | 0249 | **.\_\_\_ \_\_\_** | | | | |  | 0250  **.\_\_\_** | |
|  | | | | | | | | | | | | | | | | | | **MILES** | |
| c. What is the distance between the manure storage/production location and  this manured field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | | | | 0251  **.\_\_\_** | |
|  | | | | 1 TONS  2 GALLONS  3 BUSHELS | | | | . . . | | **CODE** | | | **AND** | | | **TOTAL UNITS** | | | |
| d. What was the capacity of the manure  spreader used to apply manure to this field?. . . . . . . | | | |  | | | |  | | 0252 | | |  | | | 0253 | | | **.\_\_\_ \_\_\_** |
| e. What was the percent of manure applied--- | | | | | | | | | | | | | | | | | | **PERCENT** | |
| (i) in the fall before planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | | | **+** | 0254 | |
| (ii) in the spring before planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | | | **+** | 0255 | |
| (iii) after planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | | | | | | | **+** | 0256 | |
|  | | | | | | | | | | | | | | | | | | **100%** | |
|  | 1 Lagoon liquid?  2 Slurry liquid?  3 Semi – dry or dry? | | | | | |  | | | | | | | | | | | **CODE** | |
| f. Was the manure--- |  | | | | | | . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | | 0257 | |
|  | | | | | | | | | | | | | | | | | | | |
|  | 1 Broadcast or sprayed *without* incorporation?  2 Broadcast or sprayed *with* incorporation?  3 Injected/knifed in?  4 Sprayed using irrigation systems? | | | | | | | | | | | | |  | | | | **CODE** | |
| g. Was the manure--- |  | | | | | | | | | | | | | . . . . . . . . . . . | | | | 0258 | |
|  | | | | | | | | | | | | | | | | | | | |
|  | 1 Beef cattle?  2 Dairy cattle?  3 Hogs?  4 Sheep?  5 Poultry?  6 Equine?  7 Biosolids (municipal sludge, food waste, etc.)?  8 Other (Specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_? | | | | | | | | | | | | | |  | | | **CODE** | |
| h. Was the major source of the  manure from--- |  | | | | | | | | | | | | | | . . . . . . . . . . | | | 0259 | |
|  |  | | | | | | | | | | | | | |  | | |  | |
|  | | | | | | | | | | | | | | | | | | | |
|  | 1 Produced on this operation?  2 Purchased (including any payment for   transportation or application)?  3 Obtained at no cost off this operation?  4 Obtained with compensation? | | | | | | | | | | | | | |  | | |  | |
| i. Was the manure--- |  | | | | | | | | | | | | | | . . . . . . . . | | | **CODE** | |
|  |  | | | | | | | | | | | | | |  | | | 0260 | |

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  | **CODE** |
| j. Was any manure applied to this field tested for nutrient content prior to application?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0261 |
|  |  |  |
| k. Was the application rate of commercial nitrogen fertilizer on this field reduced due to manure application?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0262 |
| [*If YES, ask*---] |  | **PERCENT** |
| (i)By what percent did you reduce the commercial nitrogen fertilizer application  rate on this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0263 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 19. **Were the manure APPLICATION RATES to this field influenced by Federal,**  **State, or local restrictions?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0264 |
| a. [*If item 19 is YES, ask---*]  What basis was used to determine these manure application rate restrictions-- | | |
| (i) Nitrogen requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0265 |
| (ii) Phosphorus requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0266 |

|  |  |  |
| --- | --- | --- |
| 20. **Was compost applied to this field for the 2006** **rice crop?** | | **CODE** |
| **YES** - [*Enter code 1 and continue*.] | **NO** - [*Go to* ***Section D***.]. . . . . . . . . . . . . . . . . . . . . . . . . . | 0267 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | **ACRES** |
| a. How many acres in this field was the compost applied to?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | 0268  **.\_\_\_** |
|  | | | | | | | | | |  |
|  | |  |  | **CODE** | **AND** | **UNITS PER ACRE** | | **OR** | | **TOTAL UNITS** |
| b. What was the amount of compost  applied to this field?. . . . . . . . . . . . . . . | | 1 Tons  2 Cubic Yards |  | 0269 | 0270 | **.\_\_\_ \_\_\_** | 0271 |
| **.\_\_\_** |
|  | |  | | | |  | | |  | |
| c. Was the compost--. . . . . . . . . . | 1 Produced on this operation?  2 Purchased (including any payment for  transportation or application?  3 Obtained at no cost off this operation?  4 Obtained with compensation? | | | | | . . . . . . . . . . . . . . . . | | | **CODE** | |
| 0272 | |

|  |
| --- |
| **NOTES** |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

|  |  |  |
| --- | --- | --- |
| **D** | **PESTICIDE APPLICATIONS---**SELECTED FIELD | **D** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| **Now I have some questions about all the pesticides used on this field**  **for the 2006 rice crop including both custom applications**  **and applications made by this operation.** | | | |
|  | | **CODE** | **EDIT TABLE** |
| 1. **Were any herbicides, insecticides, fungicides or other chemicals**  **used on this rice field for the 2006 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0302 | 0301 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [*Probe for applications made in the fall of 2005 (and those made earlier if this field was fallow*).]  [If *no pesticides applied, go to* ***Section E***.] | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | |  | | **T - TYPE** | | | | | **TABLE** | |
| **Include** defoliants, fungicides, herbicides,  insecticides, and pesticides | | | | | | **Exclude** fertilizers reported earlier and  seed treatments. | | | | | | | |  | | **3** | | | | | **001** | |
| **Include** biological and botanical pesticides. | | | | | |  | | | | | | | | **LINE**  **99** | | **OFFICE USE**  **LINE IN TABLE** | | | | | 0319 | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| **CHEMICAL**  **PRODUCT**  **NAME** | | |  | **2** | | | | **3** | **4** | **5** | | | **6 OR 7** | | | | | | | | | **8** |
| **L**  **I**  **N**  **E** | **What products**  **were applied**  **to this field?**  [*Show product*  *codes from*  *Respondent*  *Booklet.*] | | | | **Was this**  **product**  **bought in**  **liquid or dry form?**  [*Enter L*  *or D*] | **Was this part**  **of a tank mix?**  [*If tank mix,*  *enter line*  *number of*  *first product*  *in mix*.] | **When was**  **this applied?**  1 *BEFORE* planting  3 *AT*  planting  4 *AFTER* planting | | | **How much**  **was applied**  **per acre**  **per**  **application?** | | | | | **What was**  **the total**  **amount**  **applied per**  **application**  **in this field?** | | | | [*Enter*  *unit code.*]  1 Pounds  12 Gallons  13 Quarts  14 Pints  15 Liquid Oz.  28 Dry Oz.  30 Grams |
|  | | | **01** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **02** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **03** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **04** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **05** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **06** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **07** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **08** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **09** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **10** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **11** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **12** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **13** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
|  | | | **14** | 0305 | | | |  | 0306 | 0307 | | | 0308 | | **.\_\_\_ \_\_\_** | | | 0309 | | **.\_\_\_ \_\_\_** | | 0310 |
| 2. [*For pesticides not listed in Respondent Booklet, specify*---] | | | | | | | | | | | | | | | | | | | | | | |
| **LINE** |  | **Pesticide Type**  (Herbicide, Insecticide  Fungicide, etc.) | | |  | | **EPA No. or Trade name**  **And Formulation** | | | |  | **Form Purchased**  (Liquid or Dry) | | | | |  | | **Where Purchased**  [ASK only if EPA No.  cannot be reported.] | | | |
|  |  | | |  | | | |  | | | | |  | | | |
|  |  | | |  | | | |  | | | | |  | | | |
|  |  | | |  | | | |  | | | | |  | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
| **APPLICATIONS CODES for column 9** | | | | | | |  | | | [**ENUMERATOR NOTE**:  Use these columns only if  TOTAL COST  (item 4 on next page)  cannot be provided.] | | | | |  |
| 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  9 Spot treatments | | |  | | |  |
|  | | |  |
|  | | |  |
|  | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | |
|  | **9** | **10** | | | **11** | **12** | | **OPTIONAL ITEM 4** | | | | | | | |
|  |  |  | | |  |  | | **What was the cost per unit of the product?** | | | | | | | |
|  |  |  | | |  |  | |  | | | | **UNIT CODE** | | | |
| **L**  **I**  **N**  **E** | **How**  **was**  **this**  **product**  **applied?**  [*Enter code*  *from above*.] | **How many**  **acres in this**  **field were**  **treated with**  **this product?**  **ACRES** | | | **How many**  **times was it**  **applied?**  **NUMBER** | **Were these**  **applications**  **made by—**  1 Operator, Partner or family member?  2 Custom applicator?  3 Employee/Other? | | **DOLLARS**  **and**  **CENTS**  **PER UNIT** | | | | 1 Pounds  12 Gallons  13 Quarts  14 Pints | 15 Liquid Ounces  28 Dry Ounces  30 Grams | | |
| **01** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **02** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **03** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **04** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **05** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **06** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **07** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **08** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **09** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **10** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **11** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **12** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **13** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
| **14** | 0311 | 0312 | **.\_\_\_** | | 0313 | 0316 | | 0317 | | **.\_\_\_ \_\_\_** | | 0318 | | | |
|  |  |  |  | |  |  | |  | |  | |  | | | |
|  | | | | | | | | | **T-TYPE**  **0** | | **TABLE**  **000** | | | **LINE**  **00** | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | |
| 3. **Were any chemicals or pesticides applied by custom applicators?** | | | | | | | | | |
| **YES** – [*Continue.*] | | **NO** - [*Go to item 4*.] | | | | | | | |
|  | | | | | | | | | **OFFICE USE** |
| a. Are you able to report the cost of chemical product and custom application  separately? | | | | | | | | | 0324 |
| **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 and landlord cost.)*. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **DOLLAR & CENTS**  **PER ACRE** | | | | | **OR** | **TOTAL DOLLARS** |
| 0331 | | | **.\_\_\_ \_\_\_** | |  | 0332 |
|  | | | **DOLLAR & CENTS**  **PER ACRE** | | | | | **OR** | **TOTAL DOLLARS** |
| 4. **What was the TOTAL COST of all chemical products applied to**  **this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  **Include** *operator and landlord cost, defoliants, herbicides, insecticides, fungicides,*  *surfactants, wetting agents, growth regulators, and materials applied before planting*  *and during 2005 fallow period.* **Exclude** *seed treatments* | | | |  | 0334 | **.\_\_\_ \_\_\_** | |  | 0335 |
|  | | | | | |
|  |  | | | | | |  | | |
|  | **NOTE 1**: *If respondent cannot report TOTAL COST, itemize cost for each product in*  *optional columns in Pesticide Table.* | | | | | |  | | |
|  | **NOTE 2**: *For custom applications: If respondent cannot report cost of chemical*  *product separately from application costs, report both in item 4*. | | | | | |  | | |

|  |  |  |
| --- | --- | --- |
| **E** | **PEST MANAGEMENT PRACTICES---**SELECTED FIELD | **E** |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Now I have some questions about your pest management decisions and practices**  **used on this field for the 2006 rice crop.**  **By pests, we mean WEEDS, INSECTS, and DISEASES.** | | | | | **T-TYPE**  **0** | **TABLE**  **000** | **LINE**  **00** |
|  | | | | | | | |
| 1. **[Enumerator Action: Were PESTICIDE APPLICATIONS reported in Section D?]** | | | | | | | |
| **YES** - [*Continue*.] | **NO** - [*Go to item**10.*] | | | | | | |
|  | | | | | | **CODE** | |
| 2. **Was weather data used to assist in determining either the need for or timing of**  **pesticide applications?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | 0800 | |
| 3. **Were any biological pesticides such as Bt** (*Bacillus thuringiensis*)**, insect growth**  **regulators, neem or other natural/biological based products sprayed or applied to**  **manage pests in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | 0801 | |
| 4. **Were pesticides with different mechanisms of action rotated or tank mixed for the primary purpose of keeping pests from becoming resistant to pesticides?**. . . . . . . . . . . . . | | | | | **YES = 1** | 0802 | |
|  | | | | | | | |
| 5. [***Enumeration Action: Were HERBICIDES used (pesticide product codes 4000-4999*),**  ***Section D, item 1, column 2*?]** | | | | | | | |
| **YES** - [*Continue*.] | **NO** - [*Go to item 8.*] | | | | | | |
|  | | | | | | **CODE** | |
| 6. **Were herbicides applied to this rice field BEFORE weeds emerged?**  [*If item 6 = YES, ask---*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | 0803 | |
|  | | | | |  | **CODE** | |
| a. Were the herbicides applied BEFORE weeds emerged on this rice  field based primarily on--- | | 1 routine treatments of what **weeds** are usually present?  **OR**  2 weed scouting from the previous year? | . . . . . . . . . . . . | | | 0804 | |
|  | |  |  | |  |  | |
|  | | | | | | **CODE** | |
| 7. **Were herbicides applied to this rice field AFTER weeds emerged?**  [*If item 7 = YES, ask---*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | 0805 | |
| a. Were the herbicides applied AFTER  weeds emerged on this rice  field based primarily on--- | | 1 routine treatments of what **weeds** are usually present?  **OR**  2 weed scouting from the current year? |  | |  | **CODE** | |
|  | |  | . . . . . . . . . . . . | | | 0806 | |
|  | | | | | | | |
| 8. **[*Enumeration Action: Were INSECTICIDES used (pesticide product codes 1000 – 1999*),**  ***in Section D, item 1, column 2*?]** | | | | | | | |
| **YES** - [*Continue*.] | **NO** - [*Go to item 10.*] | | | | | | |
|  | | | | | | **CODE** | |
| 9. **Were the insecticides applied to this rice**  **field based primarily on---** | | 1 routine treatments of what **insects** are usually present?  **OR**  2 scouting for insect infestation? | | . . . . . . . . . . . | | 0807 | |
|  | |  | |  |  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | **CODE** |
| 10. **In 2006, how was this field primarily scouted for insects, weeds,**  **diseases, and/or beneficial organisms---** | 1 By deliberately going to the field specifically for scouting activities? [*Enter code 1 and go to item 11.*]  2 By conducting general observations while performing routine tasks? [*Enter code 2 and go to item 13*.]  3 This field was not scouted.  [*Enter code 3 and go to item 18.*] | . . . . . . . . . | 0808 |
|  |  |
|  |  |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 11. **Was an established scouting process used** (*systematic sampling, recording counts, etc*.)  **or were insect traps used in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0809 |
| 12. **Was scouting for pests done in this field due to---** |  | **CODE** |
| a. a pest advisory warning?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0810 |
| b. a pest development model?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0811 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| 1 | | 2 | 3 |
| 13. **Was this rice field scouted for--** | **YES = 1** | [*If* ***YES****, ask---]*  **Was the**  **infestation level for** [*column 1*]—  1 Worse than normal  2 Normal  3 Less than normal  **CODE** | [*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  **CODE** |
| a. weeds?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0812 | 0813 | 0814 |
| b. insects or mites?. . . . . . . . . . . . . . . . . . . . . | 0815 | 0816 | 0817 |
| c. diseases?. . . . . . . . . . . . . . . . . . . . . . . . . . | 0818 | 0819 | 0820 |
|  | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | | |  |  |
| 14.[*If item 13, column 3 = 3 or 4), ask--- else go to item 15.*]  **How much did you pay for the scouting services for this field?**  [***Include*** *landlord and contractor cost*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| 0835 | **.\_\_\_ \_\_\_** | |  | 0836 |
|  | | | | | **OFFICE USE** |
| a. [***Note:*** *If scouting performed at no cost, explain*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | | | . . . . . . | | 0333 |
|  | | | | | **CODE** |
| 15. **Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | | 0838 |
| 16. **Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in field?**. . . . . . . . . . . . . | | | **YES = 1** | | 0839 |
| 17. **Did you use field mapping of previous weed problems to assist you in making weed management decisions?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | | 0840 |

|  |  |  |
| --- | --- | --- |
| 18. **Did you do any of the following other type(s) of pest management for the specific  purpose of managing or reducing the spread of pests in this field?**  [*Enter code “1” for all that apply*.] | | **CODE** |
| a. Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0841 |
| b. Plow down crop residues (*using conventional tillage*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0842 |
| c. Remove/burn down crop residue?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0843 |
| d. Rotate crops in this field during the past 3 years?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0844 |
| e. Maintain ground covers, mulches, or other physical barriers?. . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0845 |
| f. Choose crop variety because of specific resistance to certain pest?. . . . . . . . . . . . . . . . . . | **YES = 1** | 0846 |
| g. Use no-till or minimum till?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0847 |
| h. Plan planting locations to avoid cross infestation of pests?. . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0848 |
| i. Adjust planting or harvesting dates?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0849 |
| j. Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fences lines?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0850 |
| k. Clean equipment and field implements after completing field work to reduce the spread of pests?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0851 |
| l. Adjust row spacing, plant density or row directions?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0852 |
|  |  |  |
| 21. **Were water management practices such as irrigation scheduling, controlled**  **drainage, or treatment of retention water used on this field to manage for pests  or toxic producing fungi and bacteria** (*i.e.aflatoxin*)**?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0861 |
| 22. **Was protection of beneficial organisms a factor in your pest control decisions for this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0862 |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 23. **Did you use any non-chemical controls for blackbirds on this rice field?** . . . . . . . . . . . . . | | | **YES = 1** | | 0860 |
| a. [*If YES, ask---*] | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| What was the cost of all non-chemical blackbird control  used on this field in 2006? (*Include guns, shotgun shells, propane, etc*.). . . . . . . . . . . | 0863 | **.\_\_\_ \_\_\_** | |  | 0864 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PEST MANAGEMENT INFORMATION** | | | | | | |
| 24. [Show Pest Management Information Sources Code List from Respondent Booklet.] | | | | | | |
| **Which outside sources of information on pest management practices and products were**  **used for the 2006 rice crop?** | | | | | | |
| (*Starting with the most influential in determining the pest management practices used on this*  *operation, enter code(s) for up to 3 sources.*) | | | | | | |
| **PEST MANAGEMENT INFORMATION SOURCES CODE LIST** | | | | | | |
| 1 County, Cooperative, or University Extension Advisor,  Publications or demonstrations |  | | | | [Enter up to 3 source codes.] | |
| 2 Farm Supply or Chemical Dealer |  | | |  | | |
| 3 Commercial Scouting Service |  | | | **FIRST** | | |
| 4 Independent Crop Consultant or  Pest Control Advisor/Custom Applicator | . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0865 | | |
| 5 Other Growers or Producers |  | | |  | | |
| 6 Producer Associations, Newsletters or Trade Magazines |  | | | **SECOND** | | |
| 7 Electronic Information Services  (*DTN, Internet, World Wide Web, etc*.) |  | | | 0866 | | |
| 8 Employee Pest Advisor |  | | |  | | |
| 9 Other – (*Specify*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  | | | **THIRD** | | |
| 10 None – Operator used no **outside** information source |  | | | 0867 | | |
|  | | | | **CODE** | | |
| 25. **Other than pesticide applicator training, have you (the operator) attended any**  **training session on pest identification and management since October 1, 2005?**. . . . . . . | | | **YES = 1** | 0868 | | |
|  | | | | | | |
|  | | **Completion Code for Pest Management Data** | | | | |
|  | | 1- Incomp/R | | | | 0340 |

|  |
| --- |
| **NOTES** |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |
|  |

|  |  |  |
| --- | --- | --- |
| **F** | **FIELD OPERATIONS---**SELECTED FIELD | **F** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1. Including custom operations, I need to list field work performed**  **by machines on this field for the 2006 rice crop. Please…** | | | **CHECK LIST** | |
| 🗸 | **Include** all field work using machines for--- |
| ► Begin with the first field operation after harvest of previous crop,  (*If fallow during 2005, list operations starting with fall 2004*.) | | | 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 | |
| ► 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?   1. Paid Full-time Worker?   6 Custom Applicator?---[*Skip columns 6-11*.] |  |
|  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **2** | **3** | **4** | **5** | **[IF CUSTOM(*column 5 = code 6* ), *skip columns 6-11*]** | | | | | | | |
|  |  |  |  | **6** | **7** | **8 OR 9** | | | **10** | | 11 |
| **S**  **E**  **Q**  **U**  **E**  **N**  **C**  **E**  **No.** | **What**  **operation**  **or**  **equipment**  **was used?** | [*Record machine*  *code*  *from*  *Respondent*  *Booklet.*]  **CODE** | **Who was**  **the machine**  **operator-**  [*Enter*  *code*  *from*  *above*.]  **CODE** | **What**  **was the**  **size or**  **swath**  **of the**  [*machine*]  **used?** | [*Record size code*.]  1 Feet  2 Row  3 Moldboard   (*bottoms*)   **Hauling**  4 Pounds  5 Bushels  6 Tons  7 Barrels  **CODE** | **How**  **many**  **acres**  **were**  **covered?**  [*Exclude*  *land forming*  *and*  *hauling*  *operations*]  **ACRES** | | **How many TOTAL HOURS were spent on land forming and hauling?**  [*Example: backhoes, disk border maker, ditcher, rear mounted blade,*  *trucks, wagons, etc.*]  **HOURS** | **Which Power Source**  **was used?**  **Tractors:**  1= (<50 HP)  2= (50-99 HP)  3= (100-149 HP)  4= (150-199 HP)  5= (>=200 HP)  **Other:**  66=Animal Drawn  77=Pick up  99=Self Propelled  1/  **CODE** | | **What was the fuel type of the tractor?**  [*Record fuel type only if Power code equals 1-5*]  1=diesel  2=gasoline  3=LP gas  4=other  **CODE** |
| 0351 |  | 0352 | 0353 | 0354 | 0355 | 0356 | **.\_\_\_** | 0359 | 0357 | | 0358 |
| 0361 |  | 0362 | 0363 | 0364 | 0365 | 0366 | **.\_\_\_** | 0369 | 0367 | | 0368 |
| 0371 |  | 0372 | 0373 | 0374 | 0375 | 0376 | **.\_\_\_** | 0379 | 0377 | | 0378 |
| 0381 |  | 0382 | 0383 | 0384 | 0385 | 0386 | **.\_\_\_** | 0389 | 0387 | | 0388 |
| 0391 |  | 0392 | 0393 | 0394 | 0395 | 0396 | **.\_\_\_** | 0399 | 0397 | | 0398 |
| 0401 |  | 0402 | 0403 | 0404 | 0405 | 0406 | **.\_\_\_** | 0409 | 0407 | | 0408 |
| 0411 |  | 0412 | 0413 | 0414 | 0415 | 0416 | **.\_\_\_** | 0419 | 0417 | | 0418 |
| 0421 |  | 0422 | 0423 | 0424 | 0425 | 0426 | **.\_\_\_** | 0429 | 0427 | | 0428 |
| 0431 |  | 0432 | 0433 | 0434 | 0435 | 0436 | **.\_\_\_** | 0439 | 0437 | | 0438 |
| 0441 |  | 0442 | 0443 | 0444 | 0445 | 0446 | **.\_\_\_** | 0449 | 0447 | | 0448 |
| 0451 |  | 0452 | 0453 | 0454 | 0455 | 0456 | **.\_\_\_** | 0459 | 0457 | | 0458 |
| 0461 |  | 0462 | 0463 | 0464 | 0465 | 0466 | **.\_\_\_** | 0469 | 0467 | | 0468 |
| 0471 |  | 0472 | 0473 | 0474 | 0475 | 0476 | **.\_\_\_** | 0479 | 0477 | | 0478 |
| 0481 |  | 0482 | 0483 | 0484 | 0485 | 0486 | **.\_\_\_** | 0489 | 0487 | | 0488 |
| 0491 |  | 0492 | 0493 | 0494 | 0495 | 0496 | **.\_\_\_** | 0499 | 0497 | | 0498 |
| 0501 |  | 0502 | 0503 | 0504 | 0505 | 0506 | **.\_\_\_** | 0509 | 0507 | | 0508 |
| 0511 |  | 0512 | 0513 | 0514 | 0515 | 0516 | **.\_\_\_** | 0519 | 0517 | | 0518 |
| 0521 |  | 0522 | 0523 | 0524 | 0525 | 0526 | **.\_\_\_** | 0529 | 0527 | | 0528 |
| **1/** *If a truck was used for hauling, use power source code 99. If a truck was used to power another machine, use truck codes in Respondent Booklet.* | | | | | | | | | | **OFFICE USE** | |
| **ENUMERATOR NOTE: Please complete the checklist at top of page for this table.** | | | | | | | | | | 0032 | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |
| 2. **Now** **I need some additional information about your labor. Exclude labor that was reported for field work performed by machines.** | | | | | | | |
| Please report the paid and unpaid labor that worked on this field to produce the 2006 rice crop. | | | | | | | |
|  | **1**  **How many hours did** (*type of worker*)**spend on this field---** | | | | | | |
| **TYPE OF WORKERS** | a.  scouting for weeds,  insects  and diseases?  **HOURS** | | | b.  irrigating?  **HOURS** | | c.  other work  performed  by hand**?**  **HOURS** | |
| You (*the operator*) | 1101 |  | | 1102 |  | 1103 |  |
| Partner(s) | 1104 |  | | 1105 |  | 1106 |  |
| Unpaid workers | 1107 |  | | 1108 |  | 1109 |  |
| Paid part-time or seasonal workers (***Exclude*** *custom and contract labor*) | 1110 |  | | 1111 |  | 1112 |  |
| Paid full-time workers (***Exclude*** *custom and contract labor*) | 1113 |  | | 1114 |  | 1115 |  |
|  |  | |  | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **DOLLARS & CENTS**  **PER HOUR** | |
| 3. **What was the average hourly wage rate paid to full-time hired workers on this field?**  (***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1116 | **.\_\_\_ \_\_\_** |
|  | | **DOLLARS & CENTS**  **PER HOUR** | |
| 4. **What was the average hourly wage rate paid to part-time or seasonal hired workers**  **on this field?** (***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1117 | **.\_\_\_ \_\_\_** |
|  | | **CODE** | |
| 5. **Was any contract labor used on this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1118 | |
|  | | **DOLLARS & CENTS**  **PER ACRE** | |
| a. *If YES, ask* – What was the average cost per acre for this contract labor?  (***Include*** *landlord and contractor costs*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1119 | **.\_\_\_ \_\_\_** |
|  | | **PERCENT** | |
| 6. **What percent of the total hours worked on this field by UNPAID workers**  **was worked by children under 16 years old?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1120 | |

|  |  |  |  |
| --- | --- | --- | --- |
| 7. **Now I need some information on how much was spent for custom services used on this**  **field for the 2006 rice crop.** | | | |
|  | | | |
| √ | 1  **CUSTOM SERVICE**  **Which of these services were done for the 2006 rice crop on this field?**  [*Check √ box for each service performed; refer to item F1 if necessary*.] | 2  **Including**  **landlord’s/contractor’s**  **cost,**  **how much was spent**  **for**  *[column 1*] **on**  **this field for the 2006**  **rice crop?**  **DOLLARS & CENTS**  **PER ACRE** | |
|  | a. custom land preparation, shaping and/or leveling?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1121 | **.\_\_\_ \_\_\_** |
|  | b. custom cultivating?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1122 | **.\_\_\_ \_\_\_** |
|  | c. custom planting and/or reseeding?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1123 | **.\_\_\_ \_\_\_** |
|  | d. custom harvesting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1124 | **.\_\_\_ \_\_\_** |
|  | e. custom hauling to storage or point of first sale?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Dollars & Cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.) | 1126 | **.\_\_\_ \_\_\_** |
|  | 1. custom harvesting and hauling from field to storage or point of first sale?. . . . . . . . . . . . . .   (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Dollars & Cents per unit x Total units hauled from field ÷ Acres harvested in field = Dollars & Cents per acre.) | 1127 | **.\_\_\_ \_\_\_** |
|  | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8. **Did you hire any technical or consultant services to make recommendations for this**  **field?** (*such as for nutrient, pest control, irrigation, or precision farming recommendations*) | | | | | | | | | |
| **YES** - [*Continue.*] | **NO** - [Go to item 10.] | | | | | | | **CODE** | |
| a. Nutrient recommendations/management service?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1129 | |
| b. Collect soil or tissue samples?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1130 | |
| c. Pest control recommendations/management service?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1131 | |
| d. Pest scouting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1132 | |
| e. Irrigation management service (*i.e. irrigation scheduling*)?. . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1133 | |
| f. Yield map or remote sensing map development/interpretation?. . . . . . . . . . . . . . . . . . . . . . | | | | | | **YES = 1** | | 1134 | |
| g. Other custom or technical service? (*Specify*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) | | . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 1135 | |
|  | | | | | | | | | |
| 9. **If YES to any of these services, what was the cost for all of these services?** | | | |  | | | | | |
| (***Include*** *landlord/contractor cost.*  ***Exclude*** *cost of soil/tissue tests or scouting cost reported earlier*.  *Do not report costs for any of these services if they were previously   reported as part of the costs of materials and/or application.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **DOLLARS & CENTS**  **PER ACRE** | | | | **OR** | **TOTAL DOLLARS** | |
| 1136 | | **.\_\_\_ \_\_\_** | |  | 1137 |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | **CODE** |
| 10. **Was there** (*will there be*) **a yield monitor on the equipment used to harvest**  **this rice field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1138 |
| [*If item 10 is YES, continue--- else go to item 11.*] | | | | |
| a. Was there (*will there be*) a yield map produced from this harvest using information from the yield monitor?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1139 | |
| b. Did you use the yield monitor information to---[*Enter code for all that apply*.] | | | | |
| (i) monitor crop moisture content to determine need for crop drying?. . . . . . . . . . . . . . . . . | | **YES = 1** | | 1140 |
| (ii) add/improve tile drainage?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1141 |
| (iii) add/improve irrigation equipment/irrigation water application?. . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1142 |
| (iv) conduct in-field experiments (*e.g., compare fertilizer applications*,  *seed varieties, herbicides, pesticides, etc*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1143 |
| (v) negotiate new crop leases?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1144 |
| (vi) document yields for crop insurance, real estate tax, or farm  program purposes?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1145 |
| (vii) accurately divide crop production among partners and/or for  landlord crop shares?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1146 |
| (viii) other uses [specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | . . . . . . . . . . . | **YES = 1** | | 1147 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | **CODE** |
| 11. **During 2005 or 2006, was a GPS** (*Global Positioning System*) **device used**  **to produce a map of the soil properties of this field?**  (*such as nitrate levels, PH, soil type, etc*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1148 |
| [*If item 11 is YES, ask—*] | | | |  |
|  | | | |  |
|  | 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*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  | | **CODE** |
| a. Was the information collected  above based on---. . . . . . . . . . . . . . | . . . . . . . . . . . . . . | | 1149 |

|  |  |  |
| --- | --- | --- |
|  |  | **CODE** |
| 12. **Did you have an airplane or satellite provide an image or photograph of this**  **field either at the start or during the 2006 growing season?**  (*Include imagery provided at no cos*t.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1151 |

|  |  |  |  |
| --- | --- | --- | --- |
| 13. **Was a variable rate applicator** (*i.e., variable rate technology or VRT; include on-the-go systems  such as GreenSeeker*) **used on this field for---** | | | |
| a. fertilization or liming?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1152 | |
|  | |  | |
| (i) *If YES, ask*---Did you use a variable rate applicator for--- [*Enter code “1” for all that apply*.] | | | |
| (1) nitrogen applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1153 |
| (2) phosphorus applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1154 |
| (3) potash applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1155 |
| (4) lime applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1156 |
| (5) manure applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1157 |
| b. seeding?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1158 |
| c. pesticide applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1159 |

|  |  |  |
| --- | --- | --- |
|  | | |
| 14. **Was a guidance or auto-steering system** (*connected to G.P.S*.) **usedwith**  **any machine operation on this field** (*e.g. light bar, assisted steering,  automatic steering, etc. –* ***exclude*** *custom operations)?*. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1150 |

|  |  |  |
| --- | --- | --- |
| **G** | **IRRIGATION** | **G** |

|  |
| --- |
| 2. **Now, I have some questions about irrigation systems and water used on this field**  **for the 2006 rice crop.** |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **↓** | | **UNIT** | **SYSTEM 1** | | **SYSTEM 2** | |
| a. What type(s) of irrigation system(s) was used to irrigate  this field?  [*Show* ***System Type Codes*** *in the Respondent Booklet. Enter* ***System***  ***Type Code*** *for up to two systems covering the most field acres*.] | | **SYSTEM**  **TYPE**  **CODE** | 1161 | | 1175 | |
| b. What was the total quantity of water applied to this field during  the entire growing season?  [***Include*** *ALL water used from both on-farm and off-farm sources*.]. . . . . . . . . . . . . | | **INCHES PER**  **ACRE**  **OR**  **TOTAL**  **ACRE-FEET** | 1162 | | 1176 | |
| 1163 | | 1177 | |
| [*If operator cannot provide item 2b, ask* (i) & (ii)---, *else go to 2c*] | |  |  | |  | |
| (i) What is the **total** number of **hours** this system was used to  apply water to this field during the rice growing  season?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **TOTAL**  **HOURS** | 1164 | | 1178 | |
| (ii) How many gallons per minute were applied?. . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1165 | | 1179 | |
| c. What percent of the water used to irrigate this field through this  system came from surface water sources?. . . . . . . . . . . . . . . . . . . . . . . | | **PERCENT** | 1166 | | 1180 | |
| d. What was the number of times this field was irrigated during the  rice growing season using this system?  [***Include*** *any pre-plant irrigation*.] | | **NUMBER OF**  **IRRIGATIONS** | 1167 | | 1181 | |
| e. Was the pump type---  [*Enter code for most common pump type.]*  *(If more than one pump in the system, enter*  *type for pump closest to water source.]* | 1. **TURBINE?** 2. **SUBMERSIBLE?** 3. **CENTRIFUGAL?** 4. **BOOSTER?** 5. **SIPHON?** 6. **NO PUMP?**   [*If code 99, go to item* j.] | **CODE** | 1168 | | 1182 | |
| f. What was the average pumping rate?. . . . . . . . . . . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1169 | | 1183 | |
| g. *[If item 2a = code 1-9 (PRESSURE SYSTEM), ask---]*  What was the system operating pressure?. . . . . . . . . . . . . . . . . . . . . . . | | **POUNDS**  **PER**  **SQUARE INCH** | 1170 | | 1184 | |
| h. What was the primary motor type used  to pump the water? | 1. **DIESEL** 2. **GASOLINE** 3. **LP GAS** 4. **NATURAL GAS** 5. **ELECTRICITY** 6. **SOLAR POWER** | **CODE** | 1171 | | 1185 | |
| i. What was the average motor size?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **HORSEPOWER** | 1172 | | 1186 | |
| j. [*If NO PUMP was used (item e = 99), ask*---]  What was the average flow rate?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1173 | | 1187 | |
| k. How many other acres on this operation were irrigated using this field’s irrigation system during the 2006 growing season? (***Exclude*** *this field*.) | | **ACRES** | 1174 | **.\_\_\_\_** | 1188 | **.\_\_\_\_** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** |
| 3. **What was the cost of the fuel or electricity used to irrigate this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1189 | **.\_\_\_ \_\_\_** |  | 1190 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4. **Was any water purchased to irrigate this field?**  (***Include*** *landlord's share and purchases from all sources*.) | | | | | **CODE** |
| **YES** - [*Enter code 1 and continue*.] | **NO** - [*Go to item 5.*]. . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1191 |
|  | | | | | **PERCENT** |
| a. What percent of the water used on this field was purchased?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | 1192 |
|  | | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** |
| b. What was the total cost for the water purchased for  this field during the 2006 growing season?  (***Include*** *landlord and contractor costs and ditch maintenance costs*.). . . . . . . . . . . . . | | 1193 | **.\_\_\_ \_\_\_** |  | 1194 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | |  | **CODE** |
| 5. **Were levees used to divide the field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1195 |
| *If YES, ask---* | | | | **NUMBER** |
| 6. **What was the total number of levee gates** (*or boxes*) **used in this field?**. . . . . . . . . . . . . . . . . . . . . . . | | | | 1196 |
|  | | | | **CODE** |
| a. Were levee gates (*or boxes*) used as part of the irrigation system to cascade water through levees from one level/contour bay to the next?. . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 1197 |
|  | | | | **CODE** |
| b. What type of levee was used to divide the field?. . . . . . . . . . . . | 1 Straight  2 Contour | . . . . . . . . . . . . . . | | 1198 |

|  |  |
| --- | --- |
| 7. [*If SIPHON TUBES were used (item 2a = 10 or 11), ask*---] | **TOTAL DOLLARS** |
| **What would be the total cost to replace all the siphon tubes used on this field?**. . . . . . . . . . . . . . | 1201 |
| 8 [*If POLY PIPE system were used (item 2a = 14*) *ask*---] | **TOTAL DOLLARS** |
| **What was the total amount spent for poly pipe used on this field during**  **the 2006 growing season?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1202 |
| 9. [*If GATED PIPE system were used (item 2a = 15 or 16)*, *ask*---] | **INCHES** |
| a. What was the average diameter of gated pipe used to irrigate this field?. . . . . . . . . . . . . . . . . . . . . . | 1203 |
|  | **FEET** |
| b. What was the total length of gated pipe used?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1204 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10. **Were wells used to supply irrigation water for this field?** | | | **CODE** | |
| **YES** - [*Enter code 1 and continue*.] | **NO** - [*Go to item 11*.]. . . . . . . . . . . . . . . . . . . . . . . | | 1205 | |
|  | | | **NUMBER** | |
| a. How many wells were used to irrigate this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1206 | |
|  | | | **INCHES** | |
| b. What was the average diameter of the outer well casing?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1207 | |
|  | | | **FEET** | |
| 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*.]. . . . . . . . . . . . . . . . . . . . . . . . | | | 1208 | |
|  | | | **CODE** | |
| d. Did this well(s) have a water meter or other flow measurement device?. . . . . . . . . . . . . . . | | **YES = 1** | 1209 | |
| e. Were other fields irrigated using water pumped from well(s) that supplied  water to the selected field? | | | **CODE** | |
| **YES** - [*Enter code 1 and continue*.] | **NO** - [*Go to item 11*.]. . . . . . . . . . . . . . . . . . . . . . . | | 1210 | |
|  | | | **ACRES** | |
| (i) Excludingthis field, how many other acres on this operation were irrigated  using the same well(s) during the 2006 growing season?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1211 | **.\_\_\_\_** |

|  |  |  |
| --- | --- | --- |
| 11. **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 12*.] | |
|  | | **INCHES** |
| a. What was the average diameter (*in inches*) of the most common type  of this additional pipe used?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1212 |
|  | | **FEET** |
| b. How many feet of this additional pipe were used to bring water to this field?. . . . . . . . . . . . . . . . . . . | | 1213 |
|  | |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **RUN-OFF CODES**  2 reused to irrigate on the farm?  3 collected in evaporation ponds on the farm?  4 drained from the farm? |  | **CODE** |
| 12. **Is the run-off from this field---**. . . . . . . . . . . . . . | . . . . . . . . . | 1214 |
|  | |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 13. **If this field was flood irrigated using a gravity system, which water-management approach was used?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **WATER MANAGEMENT CODES**  1 Permanent flooding?  2 Pinpoint flooding?  3 Delayed flooding? |  | **CODE** |
| . . . . . . . | 1215 |
|  | |  |  |

|  |  |  |
| --- | --- | --- |
| **H** | **MANAGEMENT** | **H** |

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **In response to high fuel prices during the 2006 crop year for rice, did you:** | | | |
|  | | | **CODE** |
| a. reduce the number of field operations such as tillage, cultivation, or nutrient and pesticide applications? (*i.e., compared to what you would have otherwise done on this field*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1220 |
|  | |  |  |
| b. leave the crop in the field to dry longer than you would have otherwise done on this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1221 |
|  | |  |  |
| c. reduce the amount of irrigation water (*i.e., compared to what you would  have otherwise applied on this field*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1222 |
|  | |  |  |
| d. change other production practices on this field in response to high  fuel prices? [*If yes, specify*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | . . . . . . . . . . . . . . . . | **YES = 1** | 1223 |
|  | | | |
| 2. **In response to high fertilizer prices during the 2006 crop year for rice, did you:** | | | |
|  | |  |  |
| a. reduce the application rate of commercial nitrogen fertilizer? (*i.e., compared to what you would have otherwise applied on this field*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1224 |
| [*If YES, ask*---] | |  | **PERCENT** |
| (i) by what percent did you reduce the amount of commercial nitrogen  fertilizer for 2006?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1225 |
|  | |  | **CODE** |
| b. change the type of commercial nitrogen fertilizer products applied  (*i.e., compared to what you would have otherwise applied on this field*)?  [*e.g*. *less anhydrous ammonia and more UAN*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1226 |
|  | |  |  |
| c. increase the application rate of manure or other organic fertilizers  (*i.e., compared to what you would have otherwise applied on this field*)?. . . . . . . . . . . . . . . | | **YES = 1** | 1227 |
|  | |  |  |
| d. manage fertilizer more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation (*i.e., compared to what you would have otherwise done on this field*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1228 |

|  |
| --- |
| **CONCLUSION** |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LOCATION OF SELECTED FIELD** | | | | | | | | | | | |
| 1. **I need to locate the selected field of rice on**  **this map.** | | | **COUNTY/PARISH NAME** | | | | | | | **OFFICE USE**  **COUNTY FIPS**  **CODE** | |
| **What county/parish is the rice field in?**. . . . . . . . . . | | |  | | | | | |  | 0010 | |
| **Field description**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | |  | | | | | | | | |
| **FOR STATES WITH GPS UNITS ONLY** |  | **LATITUDE** | | |  | **LONGITUDE** | | | | | |
| **Field location**. . . . . . . . . . . . . . . . . . . . . . . . . | **N** | 0054 | | **\_\_\_ \_\_\_. \_\_\_ \_\_\_. \_\_\_ \_\_\_** | **W** | 0055 | **\_\_\_ \_\_\_ \_\_\_. \_\_\_ \_\_\_. \_\_\_ \_\_\_** | | | | |
|  |  |  | | *d d m m s s* |  |  | *d d d m m s s* | | | | |
| 2. [**ENUMERATOR ACTION:** *Mark map to indicate where the selected rice field is located*.   *Be sure the “X” marked on map is in the county/parish identified above*.] | | | | | | | | | | | |
| 3. **We will need additional information to complete this study. We will contact you in February**  **or March, 2007, to collect it. I’ll call you then to set up a time that is good for you.** | | | | | | | | | | | |
|  | | | | | | | | | | **CODE** | |
| 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.nass.usda.gov/](http://www.usda.gov/nass/) **&** <http://www.ers.usda.gov/>.). . . . . . . . . . | | | | | | | | **YES** = **1** | | 0099 | |
|  | | | | | | | |  | | **HH MM** | |
| 5. **ENDING TIME** [*MILITARY*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | 0005  \_\_ \_\_ \_\_ \_\_ | |
|  | | | | | | | | | |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **RECORDS USE** | | | | |
| 6. [*Did respondent use farm/ranch records to report---*] | | | | **CODE** |
| a. [***fertilizer*** *data*?]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 0011 |
| b. [***pesticide*** *data?*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 0012 |
| c. [*majority of this* ***expense*** *data*?]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 0013 |
| **SUPPLEMENTS USED** | | | | **NUMBER** |
|  | | **FERTILIZER**  **APPLICATIONS** | | 0041 |
| 7. [*Record the total number of each type of supplement used to*  *complete this interview.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **PESTICIDE**  **APPLICATIONS** | | 0042 |
|  | | **FIELD**  **OPERATIONS** | | 0043 |
|  | | | | |
|  | | | | |
| Reported by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Telephone: (\_\_\_\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Response** | | **Respondent** | | **Mode** | | **Enum** | **Eval.** | **Date**  **MM DD YY** | **Optional** | **Optional** |
| 1-Comp  2-R  3-Inac | 9901 | 1- Op/Mgr  2-Sp  3-Acct/Bkpr  4-Partner  9-Other | 9902 | 2-Tel  3-Face-to- Face | 9903 | 0098 | 0100 | 9910  **\_\_\_ \_\_\_ \_\_\_ \_\_\_06** | 0002 | 0003 |
| S/E Name | | | | | | | | | | |