|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project 906 - ARMS Phase II | | | | | |  | | | OMB No. 0535-0218 Approval Expires 9/30/2008 | | | | | | | |
| SURVEY_LOGO_3:USDA_logo_bw.gif | | | **AGRICULTURAL RESOURCE MANAGEMENT SURVEY** | | | | | | | | | | SURVEY_LOGO_2:ERS Logo.bmp | | **NATIONAL**  **AGRICULTURAL**  **STATISTICS**  **SERVICE** | |
| **COTTON PRODUCTION PRACTICES AND COSTS REPORT** | | | | | | | | | |
|  | | | **DRAFT - for 2014** | | | | | | | | | 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**  **01** | | **T-TYPE**  **0** | **TABLE**  **000** | | | **LINE**  **00** | | **SURVEY_LOGO_4:ERS Logo.bmp** |
|  | | | | | | | | | | | | | | | | |
| **CONTACT RECORD** | | | | | | | | | | | | | | | | |
| DATE | | TIME | | | NOTES | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  | |  | | |  | | | | | | | | | | | |
|  |  | | |  |  | | | | | | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| |  | | --- | | We are collecting information on costs and returns and need your help to make the information as accurate as possible.  Authority for collection of information on the Costs and Returns Report is Title 7, Section 2204 of the U.S. Code. Under Title 7 of the  U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes.  Response is **voluntary**. You may skip any question(s) you prefer not to answer.  According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0218. The time required to complete this information collection is estimated to average 65 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. | | | | |
|  | | **H H M M** |  |
| DRAFT | **BEGINNING TIME**  [*MILITARY*] | 0004 |  |
| **\_\_ \_\_ \_\_ \_\_** |  |
|  |  |  | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
|  |  |  | |
|  |  |  | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. Please verify name and mailing address of this operation.  Make corrections (including the correct operation name) on the label and continue. | | | | [Check if name and address are verified.] | |
| 2. Please answer the following question(s) for the total acres you (name on label ) operate. | | | | | |
| a.Have or will you grow any crops or cut hay in2014?. . . . . . . . . | **Yes** [Go to Item 3] | | **No** [Continue] | | |
| b. During2014, did this operation sell any agricultural products or receive government agricultural payments?. . . . . . . . . . . . . . | **Yes** [Go to Item 3] | | **No** [Continue] | | |
| c.Have or will you own or raise any livestock or poultry? . . . . . . . | **Yes** [Go to Item 3] | | **No** [Go to conclusion] | | |
|  |  | |  | | |
| 3.Are the day-to-day decisions for this (name on label) operation made by one individual,  a hired manager, or partners? [Check one] | | | | **OFFICE USE** |  |
|  | | | | **REPORTING UNIT** |  |
| One individual - [Enter 1, Go to item 5] | |  | | 0921 |  |
| A hired manager - [Enter 8, Go to item 5] | |  | |  |  |
| Partners - [Continue] | |  | |  |  |
|  | | | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SCREENING** | | | | | | | | | | | | |
| 4. How many individuals are involved in the day-to-day decisions of this operation?. . . . . . . | | | | | | | | **NUMBER** | | |  | |
|  | | | | | | | |  | | |  | |
|  | | | | | | | | | | | | |
| [Enter the number of partners, including the partner named on the label.  Identify the other persons in this partnership below, then continue.]  Partners jointly operate land and share in decision making. Do not include landlords and tenants as partners. | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
| **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | | | | | |
| *PARTNER 1: NAME* | | | | *PARTNER 2: NAME* | | | | | | | | |
| *ADDRESS* | | | | *ADDRESS* | | | | | | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE NUMBER* | | *CITY* | *STATE* | | *ZIP* | | *PHONE NUMBER* | | |
| **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID** \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | | | | | |
| *PARTNER 3: NAME* | | | | *PARTNER 4: NAME* | | | | | | | | |
| *ADDRESS* | | | | *ADDRESS* | | | | | | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE NUMBER* | | *CITY* | *STATE* | *ZIP* | | | *PHONE NUMBER* | | |
|  | | | | | | | | | | | | |
|  | | | | | | | | | | | | |
|  | | | | | | | | | **ACRES** | | | |
| 5. **How many acres of cropland did you operate in 2014?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 0049 | | | **.\_\_\_\_** |
|  | | | | | | | | |  | | | |
| a. How many acres of cotton did this operation **[Operation 1]** plant in 2014?. . . . . . . . . . . . . . . . . . . . | | | | | | | | | 0056 | | | **.\_\_\_\_** |
|  | | | | | | | | | | | | |
| 6. **Do you** [*target name*] **make any day-to-day decisions for any other farm or ranch?** | | | | | | | | |  | | | |
| [If Opdom 99, check ‘No’ and follow skip instructions.] | | | | | | | | |  | | | |
| **NO -** [*Enter code 1 and then begin the interview with Section A, page 7.*] | | | | | | | | | **NUMBER** | | | |
| **YES** - a. **How many total operating arrangements** (*including the sampled operation*)  **do you** (*target operator*) **make day-to-day decisions for?**. . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 0923 | | | |
| b. [*List or verify names associated with each additional operation on the next page.]* | | | | | | | | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OPERATION 2: ►** | | | | **PARTNERS: POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *OPERATION NAME (IF ANY)* | | | |  | | | |
| *OPERATION NAME* | | | | *PARTNER 1: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *PARTNER 2: NAME* | | | | *PARTNER 3: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |  |
| *PARTNER 4: NAME* | | | |
| *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |
| --- | --- |
|  | |
| a. Are the day-to-day decisions for this farming/ranching operation **[Operation 2]** made by--- | |
| an individual operator? [Enter 1 and Continue] | **OPERATING**  **ARRANGEMENT** |
| a hired manager? [Enter 8 and Continue] | 0932 |
| Partners? [List/verify partners in Partner Boxes above] |  |
|  | **ACRES** |
| b. How many acres of cropland did you operate in 2014 **[Operation 2]**? . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0033 |
| **.\_\_\_\_** |
|  | |
| c. How many acres of cotton did you plant in 2014 **[Operation 2]**? . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0034 |
| **.\_\_\_\_** |
|  |  |
|  | |
| [Refer to Page 2, Item 6a. Does operator make day-to-day decisions for more than 2 operations?] | |
| **YES -** [Continue] **NO -** [Go to Operation Selection, Item 7, Page 6] | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OPERATION 3: ►** | | | | **PARTNERS: POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *OPERATION NAME (IF ANY)* | | | |  | | | |
| *OPERATION NAME* | | | | *PARTNER 1: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *PARTNER 2: NAME* | | | | *PARTNER 3: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |  |
| *PARTNER 4: NAME* | | | |
| *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |
| --- | --- |
| a. Are the day-to-day decisions for this farming/ranching operation **[Operation 3]** made by--- | |
| an individual operator? [Enter 1 and Continue] | **OPERATING**  **ARRANGEMENT** |
| a hired manager? [Enter 8 and Continue] | 0933 |
| Partners? [List/verify partners in Partner Boxes above] |  |
|  | **ACRES** |
| b. How many acres of cropland did you operate in 2014 **[Operation 3]**? . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0035 |
| **.\_\_\_\_** |
|  | |
| c. How many acres of cotton did you plant in 2014 **[Operation 3]?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0036 |
| **.\_\_\_\_** |
|  |  |
|  | |
| [Refer to Page 2, Item 6a. Does operator make day-to-day decisions for more than 3 operations?] | |
| **YES -** [Continue] **NO -** [Go to Operation Selection, Item 7, Page 6] | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OPERATION 4: ►** | | | | **PARTNERS: POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *OPERATION NAME (IF ANY)* | | | |  | | | |
| *OPERATION NAME* | | | | *PARTNER 1: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a. Are the day-to-day decisions for this farming/ranching operation **[Operation 4]** made by--- | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| an individual operator?  [Enter 1 and Continue] | | *PARTNER 2: NAME* | | | |
| a hired manager?  [Enter 8 and Continue] | 0934 | *ADDRESS* | | | |
| Partners? [List/verify partners  in Partner Boxes above] | | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. How many acres of cropland did you operate in 2014   **[Operation 4]**? . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
|  | 0037 | **.\_\_\_\_** | *PARTNER 3: NAME* | | | |
| 1. How many acres of cotton did you plant in 2014   **[Operation 4]?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | *ADDRESS* | | | |
|  | 0038 | **.\_\_\_\_** | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |
| --- |
| [Refer to Page 2, Item 6a. Does operator make day-to-day decisions for more than 4 operations?] |
| **YES -** [Continue] **NO -** [Go to Operation Selection, Item 7, Page 6] |
|  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OPERATION 5: ►** | | | | **PARTNERS: POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| *OPERATION NAME (IF ANY)* | | | |  | | | |
| *OPERATION NAME* | | | | *PARTNER 1: NAME* | | | |
| *ADDRESS* | | | | *ADDRESS* | | | |
| *CITY* | *STATE* | *ZIP* | *PHONE* | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a. Are the day-to-day decisions for this farming/ranching operation **[Operation 5]** made by--- | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
| an individual operator?  [Enter 1 and Continue] | | *PARTNER 2: NAME* | | | |
| a hired manager?  [Enter 8 and Continue] | 0935 | *ADDRESS* | | | |
| Partners? [List/verify partners  in Partner Boxes above] | | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. How many acres of cropland did you operate in 2014   **[Operation 5]**? . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **POID**\_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ | | | |
|  | 0039 | **.\_\_\_\_** | *PARTNER 3: NAME* | | | |
| 1. How many acres of cotton did you plant in 2014   **[Operation 5]?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | *ADDRESS* | | | |
|  | 0040 | **.\_\_\_\_** | *CITY* | *STATE* | *ZIP* | *PHONE* |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **OPERATION SELECTION** | |  | |  | |
| 7. **[ENUMERATOR Action: Were Cotton Acres reported on any of the operations?]** | | | | | |
| **YES** - [*Continue*] | **NO** - [*This concludes the interview. Make notes, then go to item 4 on back page*.] | | | | |
|  | | | | | |
| **Enter the total number of operations reporting cotton acres**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | 0057 |
|  | | | [If only one operation, Enter 1 and go to Section A.] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | |
|  | **‘Apply Random Operation Label’** |  |  | |
|  |  | |
|  |  | |
|  | |  |  | |
| 8. **[ENUMERATOR ACTION:]** | |  |  | |
| Circle the pair of numbers on the above label associated with the number of operations with cotton (item 7). Select the operation according to the number you circled on the label, and record the selected number. | | | | 0058 |

|  |
| --- |
|  |

|  |
| --- |
| 9. **The operation selected is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**(i.e. Operation 1, Operation 2,etc.)  **During this interview, the questions will be about this selected operation.**  *The selected number identifies the counting order of operations with cotton and not necessarily the Operation number.* |

|  |  |  |
| --- | --- | --- |
| **A** | **COTTON FIELD SELECTION** | **A** |

|  |  |
| --- | --- |
| 1. **How many acres of cotton did this operation plant for the 2014 crop year?** | **TOTAL PLANTED ACRES** |
| ► [*If skip –row cotton was planted, exclude acreage in the skips.*]**.**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0050  **.\_\_\_\_** |
|  | |
| 2. **I will follow a simple procedure to make a random selection from the cotton fields**  **planted for the 2014 crop.** | |
|  | **TOTAL NUMBER OF FIELDS PLANTED** |
| What is the TOTAL number of cotton fields that were planted on this  operation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 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 cotton questions will be about this selected cotton field.**  *[Be sure the operator can identify the selected field.]* | | | |
|  | | **OFFICE USE**  **OY Field Substituted** | |
|  | | 0022 | |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
|  | | **ACRES** | |
| 1. **How many acres of cotton did this operation plant in this field for the 2014 crop?** [*If skip-row cotton was planted, exclude acreage in the skips.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1301 | **.\_\_\_** |
| a. Are the acres in this field **CERTIFIED ORGANIC**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES=1** | **CODE** | |
| 1311 |  |
| [*If YES, ask – else go to item 1b*] | | | |

|  |  |  |
| --- | --- | --- |
|  |  | **YEAR** |
| (i) What year was cotton from this field first certified?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1322 |
| **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
|  |  | **CODE** |
| b. Was this field transitioning into organic cotton production in 2014?. . . . . . . . . . . . . . . . . . . . . | **YES=1** | 1351 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | **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 2014 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 cotton field (*i.e., the number of acres in the FSA farm that includes this cotton field*)?. . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | **ACRES** | |
|  | | | | | | | | | 1309 | **.\_\_\_** |
|  | | | | | | | | |  | |
| b. What was the total amount of the Direct Payment under the 2014 Farm Commodity Program you received (*or will receive*) for all the crop acres you cash rented from the landlord/owner of this cotton field (*i.e., total Direct Payment for the FSA farm that includes this cotton field*)?. . . .  [*Note: Under cash rent arrangements, the tenent should receive all payments.*] | | | | | | | | | **TOTAL DOLLARS** | |
|  | | | | | | | | | 1310 | |
|  | | | | | | | | | **CODE** | |
| c. When you signed the cash lease for this cotton field, did you expect a  Counter-cyclical Payment would be declared in 2014?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **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  or contractor for the 2014 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  *(****Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services,  custom operations, and irrigation.* ***Exclude*** *real estate tax expenses and   lime costs paid by the landowner*.) | | | 1305 | **.\_\_\_ \_\_\_** | |  | | | 1306 | |
|  | | |  | | | | | | **CODE** | |
| 6. **What type of cotton was planted on this field?**. . . . . . . . . . . . . . . | | 1. Upland 2. Pima – extra long stable or ELS | | | | | . . . . | | 1320 | |
|  | | |  | | | |  | | **YEAR** | |
| 7. **What year did you** (*the operator listed on the label*) **start operating this field?**. . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 1307  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** | |
|  | | | | | | | | | **MM DD YY** | |
| 8. **On what date was this field planted?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 1308  **\_\_ \_\_ \_\_ \_\_ \_\_ \_\_** | |

|  |  |  |
| --- | --- | --- |
|  | |  |
|  | **UNITS** | **UNIT CODES**  **for Seeding Rate**  1 = POUNDS/ACRE  23 = 50 LB BAGS/ACRE  25 = SEEDS/ACRE  38 = SEEDS/FOOT  40 = 250,000 SEED BAGS/ACRE  42 = BOLL BOX |
| 9. **What was the seeding rate the first time  this field was planted?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1313  **.\_\_\_** | 1314 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | |  |
| a. Was the cotton seed----. . . . . . . . . . . . . . . . . . . | | 1 Drilled?  2 Planted in Conventional Rows?  3 Broadcast on this field? | | . . . . . . . . . . . . . . . . . . | | | | **CODE** |
|  | |  | |  | | | | 1315 |
| [If drilled or planted (item 9a = 1 or 2), ask---] | | | |  | | | | **INCHES** |
| b. What was the average cotton row width?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 1323 |
|  | | | | | | | | **CODE** |
| 10. **Did this field have skip-row cotton?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | | | 1321 |
|  | | | | | | [*If no skip-row, go to item 11*.] | | |
|  |  | | **ROWS**  **OF COTTON** | | | | **BY** | **ROWS**  **OF SKIP** |
| a. What was the common skip pattern?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1316 | | | |  | 1317 |
|  | | | | | | | | **INCHES** |
| b. What was the average width of the skip?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 1319 |

|  |  |  |
| --- | --- | --- |
|  | **ACRES** | |
| 11. **How many acres in this field had to be replanted to cotton?**  (*Number of acres times the number of times replanted*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1318  **.\_\_\_\_** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 12. **What was the source and cost of---** (***Include*** *cost of seed treatment and technology fee.* ***Exclude*** *any Bt seed payment received for participating in th Pink Bollworm program.*) | **DOLLARS & CENTS**  **PER UNIT** | | **UNIT CODE**  1=POUNDS  22=ACRE  23=APPROX 50 LB. BAG  40 =250,000 SEED BAG  42= BOLL BOX | **PERCENT of**  **SEED**  **PLANTED** | |
| a. Genetically-modified purchased seed?. . . . . . . . . . . . . . . . | 1344 | **.\_\_\_ \_\_\_** | 1345 | 1346 | |
| b. Non-genetically-modified purchased seed?. . . . . . . . . . . . | 1347 | **.\_\_\_ \_\_\_** | 1348 | 1349 | |
| c. Homegrown seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1340 | |
|  | | | | **100%** | |
| [*If homegrown, ask---*] | | | | **CENTS PER POUND** | |
| (i) What was the cost for cleaning and treating this seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1350 | **.\_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **SEED TYPE - COTTON** |  | |
|  | 1. Genetically-modified herbicide resistant seed variety 2. Genetically-modified Bt variety forinsect resistance 3. *Stacked* gene variety  (*both genetically- modified insect and herbicide resistance*) 4. Variety planted not described above. |  | |
| 13. **Which type of cotton seed was used on the majority of this field---** [*Show Seed Type Code List from Respondent Booklet and choose one code.*] | | | |
|  | | | **CODE** |
| a. in 2014?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1341 |
|  | | | |
| b. in 2013? [*Leave blank if cotton was not on this field in 2013*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1342 |

|  |  |  |  |
| --- | --- | --- | --- |
| 14.[*If item 13a = 1, 2, or 3, ask-*--]  **Resistant seed varieties offer several benefits.** | | | |
| Did you choose the resistant seed variety used on this field primarily to-**--** | | | |
|  | 1 Increase yields through improved pest (weed or insect) control?  2 Decrease herbicide input costs?  3 Decrease machinery costs?  4 Improve ability to use or ease of using reduced tillage or no-till system?  5 improve ability to use or ease of rotating crops?  6 Save management time or labor or improve ease of management?  7 Adopt more environmentally friendly practices?  8 For some other reason(s)? [Specify \_\_\_\_\_\_\_\_\_\_\_\_\_] |  | **CODE** |
| . . . . . . . . . . . . . . . . . . . . . . . . . . | 1343 |
|  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | **PERCENT** |
| 15. **What percent of the field was used as refuge in order to comply with Bt cotton** **insect resistant management guidelines?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | 1361 |
| 16. [*If Bt or herbicide resistant cotton seed is used, item 13a = 1, 2, or 3, ask*---] | | |  |  |  |
| **What was the technology fee paid?**. . . . . . . . . . . . . . . . . . . . . . . . . . . | 1. Per Acre 2. Per Bag 3. Per Boll Box |  | **CODE** |  | **DOLLARS** |
| 1362 | 1363 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 17. [*If 13a = 1 or 4, ask---*] | 1 Did not expect to have enough Bt target pests to   justify the cost of Bt cotton.  2 Concerned about finding a market for Bt cotton.  3 This field was used as refuge in 2014.  4 Concerned about the environmental impact of Bt cotton.  5 None of the above. |  |  | |
| **In 2014, which of the following reasons influenced you the most in deciding not to plant  Bt cotton on this field---** | . . . . . . . . . | **CODE** | |
| 1364 | |
|  | | | **ACRES** | |
| 18. **How many acres of cotton in this field were planted to fill  a commercial seed contract?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1365 | **.\_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| 19. **Has the harvest of this field been completed?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1328 | **.\_\_\_** |

|  |
| --- |
| 20. **Now I need information about the acres harvested** (*or to be harvested*) **and the yields from this field**. |

|  |  |  |
| --- | --- | --- |
|  | | |
|  | **ACRES** | |
| a. How many ACRES in the cotton field were (will be) harvested for lint?. . . . . . . . . . . . . . . . . . . . . . . . | 1335 | **.\_\_\_\_** |
|  |  | |
|  | **POUNDS PER ACRE** | |
| (i) How many pounds of lint PER ACRE were harvested (do you expect to get if not harvested)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1389 | |
|  |  | |
|  | **ACRES** | |
| b. How many ACRES in the cotton field were (will be) abandoned?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1338 | **.\_\_\_\_** |

|  | | | |
| --- | --- | --- | --- |
| **CROP CODE LIST for item *21***  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 |  |  |

|  |  |  |
| --- | --- | --- |
| 21. **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 2013**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1352 |
| b. **SPRING/SUMMER of 2013**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1353 |
| c. **FALL of 2012**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1354 |
| d. **SPRING/SUMMER of 2012**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1355 |
| e. **FALL of 2011**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1356 |
| f. **SPRING/SUMMER of 2011**?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | 1357 |
|  | | |

|  |  |
| --- | --- |
| 22. **In 2014 did your land–use practices for this field include--** | **CODE** |
| a. **Structures for soil erosion control?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .**YES = 1** | 1421 |
| [if YES, ask –Enter Code “1” for all that apply.] | |
| (i) terraces. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1358 |
| (ii) grade stabilization structures. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1359 |
| (iii) critical planting acres. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1422 |
| b. **Structures for storm water runoff control/handling?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  **YES = 1** | 1423 |
| [if YES, ask –Enter Code “1” for all that apply.] | |
| (i) grassed water ways. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1360 |
| (ii) structures for water control . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1424 |
| c. **Filter strips or other conservation buffers?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1425 |
| [if YES, ask –Enter Code “1” for all that apply.] | |
| (i) Filter strips . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1426 |
| (ii) Field borders . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1427 |
| (iii) Riparian buffers . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1428 |

|  |  |
| --- | --- |
| d. **Drainage?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .**YES = 1** | 1429 |
| [if YES, ask –Enter Code “1” for all that apply.] | |
| (i) Subsurface field drainage. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1430 |
| (ii) Surface field drainage . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1431 |

|  |  |
| --- | --- |
| e. **Other Practices?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .**YES = 1** | 1432 |

|  |  |
| --- | --- |
| [if YES, ask –Enter Code “1” for all that apply.] | |
| (i) Agri-chemical mixing facility . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1433 |
| (ii) Contour farming and strip cropping. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1434 |
| (iii) Air quality management . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1435 |
| (iv) Other Practices [Specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | 1436 |
|  |  |
|  | **OFFICE USE** |
|  | 1440 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 23. **Has the Natural Resource Conservation Service** (NRCS) **classified any**  **part of this field as “Highly Erodible”?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1366 |
|  |  |  |
| 24. **Have you been notified by NRCS that this field contains any wetlands?**. . . . . . . . . . . . . . . . | **YES = 1** | 1367 |
|  |  |  |
| 25. **In 2014, 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 |
|  |  |  |

|  |  |  |
| --- | --- | --- |
|  |  |  |
| 26. **Is this field included in an existing conservation program contract for which you or the landlord have received** (*or expect to receive*) **cost sharing payments, stewardship payments, or incentive payments?** [*Be sure to consider grassed waterways and filter strips or riparian buffers, or drainage area, on or adjoining this field*. *Also, be sure to consider payments that are part of this contract but were made before or payments that are anticipated for future years*.]. . . . . . . . . . | **YES = 1** | **CODE** |
| 1369 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| [*If item 26 is YES, ask*---, *else go to item 26b.*] | | |  |  |
| a. Have (*or will*) you receive cost sharing or incentive payments from--- | | |  | **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 from 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 |

|  |  |  |  |
| --- | --- | --- | --- |
| 27. **During 2014, 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 27a, b, c, d, or e = YES, ask---*] | | | **CODE** |
| 28. **Have you ever paid** **any technical service provider or consultant to  develop or write any of these plans for which you or the landowner were reimbursed by the Natural Resource Conservation Service?**. . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 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 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 29. **Was the cotton in this field covered by Federal Crop Insurance in 2014?** | | | | | | | | | | **CODE** |
| **YES** – [*Enter code 1 and continue*] | **NO** – [*Go to item 30*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | 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 2014 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 2014? [**Exclude** any sign-up fee.]. . . . . . . . . . . . . . . . . . . . . | | 1390 | **.\_\_\_ \_\_\_** | | | | |  | 1391 | | |
|  | | | | |  | | | | **CODE** | | |
| e. Did you (*or do you expect to*) collect an indemnity payment on this field?. . . . . . . . . . . . . . | | | | | **YES = 1** | | | | 1392 | | |

|  |  |  |
| --- | --- | --- |
|  | | |
| 30. **Was the cotton in this field covered by private crop insurance in 2014?** (*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 2014  cotton crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0202 | 0201 |
| 2. [*If COMMERCIAL fertilizer applied, continue, else go to item 5.*] | | | **NUMBER** |
| 3. **How many commercial fertilizer applications were made to this field  for the 2014 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 2013 and those applied earlier if this field was fallow in 2013 | | Unprocessed manure  Fertilizer applied to previous  crops in this field | |  | **2** | **001** |
| Commercially prepared manure  or compost | | 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***. *Include*** *costs for sulfur and micronutrients.*  ***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** | |  | **TOTAL DOLLARS** | | |
| 0219 | **.\_\_\_ \_\_\_** | **OR** | 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 2013*  ***Exclude*** *lime, gypsum, purchased manure and purchased compost*.) |  | 0221 | **.\_\_\_ \_\_\_** | 0222 |
|  | | | | |

|  |  |  |
| --- | --- | --- |
|  |  | **CODE** |
| 7. **Was gypsum applied to this field for the 2014 cotton crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0218 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | |  | |
|  | | | **POUNDS**  **PER ACRE** | |
| 8. **What was your yield** **goal at planting for this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0217 |  |
|  | | |  | |
| 9. **Was a soil or plant tissue test performed on this cotton field in 2013**  **or 2014 for the 2014 crop?** | | |  | |
| **YES** [*Continue*.] | **NO** [*Go to item 14*.] | |  | |
|  | | | **CODE** | |
| 10. **Was a soil test for phosphorus performed on this cotton field in 2013**  **or 2014 for the 2014 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 cotton field in 2013**  **or 2014 for the 2014 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0227 | |
| a. [*If nitrogen test done, ask---*] | | | **POUNDS**  **PER ACRE** | |
| How many pounds of nitrogen (*per acre*) were recommended  (*by the nitrogen test*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0228 | |

|  |  |
| --- | --- |
|  | **CODE** |
| 12. **Was a plant tissue test or leaf analysis for nutrient deficiency performed on this field**  **in 2013 or 2014 for the 2014 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,* *16 and* *17.*  *If NO nitrogen applied, go to item* *18.*] | | |
|  | | |
| 15.**Was the amount of nitrogen you decided to apply to this field based on---**  [*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 |
|  | | **PERCENT** |
| 16. **What share of the commercial nitrogen fertilizer applied to this field was purchased under contract or otherwise pre-purchased at a pre-determined price set prior to January 1, 2014?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0279 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | **CODE** |
| 17. **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** |
| 18. **Is lime ever applied to this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 0242 |
| a. [*If no lime applied, go to item 19, 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 2013 or 2014 for the 2014 crop?. . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0240 |
| d. [*If rented,* (*Section B, item 2 =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 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 19. **Was unprocessed manure or other organic material** (*excluding compos*t) **applied to this field for the 2014 cotton crop?** (***Exclude*** *commercially prepared manure*.) | | | | | | | | | **CODE** | |
| **YES** - [*Enter code 1 and continue*] | | **NO** - [*Go to item 21*]. . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | 0246 | |
|  | | | | | | | | | **ACRES** | |
| a. How many acres in this field 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 | | . . . . |  | **AND** | | |  | | | |
| d. What was the capacity of the manure  spreader used to apply manure to this field?. . . . . . . . | |  | |  | **CODE** |  | | | **TOTAL UNITS** | | | |
|  | |  | |  | 0252 |  | | | 0253 | | | **.\_\_\_ \_\_\_** |
| e. Of the total manure applied to this field for the 2014 crop, what was  the percent of manure applied--- | | | | | | | | | | | **PERCENT** | |
| (i) in the fall before planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | **+** | 0254 | |
| (ii) in the spring before planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | **+** | 0255 | |
| (iii) after planting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | | | **+** | 0256 | |
|  | | | | | | | | | | | **100%** | |
|  | 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 | |
|  |  | | | | | | |  | | |  | |
|  | | | | | | | | | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| i. Was the manure--. . . . . . . . . . . . . . . . . . . | 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?  (*Operator received payment for accepting the manure.*) | . . . . . . . . |  |
| **CODE** |
| 0260 |

|  |  |  |
| --- | --- | --- |
| as |  |  |
|  |  | **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** |
| l. Did you adjust the cotton harvest date in this field due to the application of manure?. . . . . | **YES = 1** | 0280 |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 20. **Were the manure APPLICATION RATES to this field influenced by Federal,**  **State, or local restrictions?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0264 |
| a. [*If item 20 is YES, ask---*]  What basis was used to determine these manure application rate restrictions-- | | |
| (i) Nitrogen requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0265 |
| (ii) Phosphorus requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0266 |

|  |  |  |
| --- | --- | --- |
| 21. **Was compost applied to this field for the cotton 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  **.\_\_\_** | |
|  | | | | | | | | | | |
| b. What was the amount of compost applied to this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . | 1 Tons  2 Cubic Yards |  | **CODE** |  | **UNITS PER ACRE** | | **OR** | **TOTAL UNITS** | | |
| 0269 | **AND** | 0270 | **.\_\_\_ \_\_\_** |  | 0271 | | **.\_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | **[Enter up to 3**  **source codes]** |
| c. Were the major sources of the  compost from--. . . . . . . . . . . . . . . . . . . . | 1 Beef cattle?  2 Dairy cattle?  3 Hogs?  4 Sheep?  5 Poultry?  6 Equine?  7 Biosolids (food waste)?  8 Crop? (Specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  9 Other? (Specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | . . . . . . . . | **FIRST** |
| 0281 |
| **SECOND** |
| 0282 |
| **THIRD** |
| 0283 |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | |
| d. 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?  (*Operator received payment for accepting the manure.*) | . . . . . . . . |  |
| **CODE** |
| 0272 |

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

|  |
| --- |
|  |
| **Now I have some questions about all the pesticides used on this field for the 2014 cotton crop including both custom applications and applications made by this operation.** |

|  |  |  |  |
| --- | --- | --- | --- |
| 1. **Were any herbicides, insecticides, fungicides or other chemicals used on this cotton field for the 2014 crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  [**Include** biological pesticides such as Bt, insect growth regulators,  pheromones, etc.] | **YES = 1** | 0302 | 0301 |
|  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [*Probe for applications made in the fall of 2013 (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 other 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  5 *DEFOLIATION*  prior to harvest | **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**: |  |
| 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 |  | Use these columns only if  TOTAL COST  (item 4 on next page)  cannot be provided.] |  |
|  |  |
|  |  |
|  | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **9** | **10** | **11** | **13** | **OPTIONAL ITEM 4**  **What was the cost per unit of the product?** | | |
| **L**  **I**  **N**  **E** | **How**  **was**  **this**  **product**  **applied?**  [*Enter code*  *from above*.] | **How many**  **acres in this**  **field were**  **treated with**  **this product?** | **How many times was it applied?** | **Were these**  **applications**  **made by—**  1 Operator, partner or family member?  2 Custom applicator?  3 Employee/Other? |
| **DOLLARS**  **and**  **CENTS**  **PER UNIT** | **UNIT CODE** | |
|  | 1 Pounds  12 Gallons  13 Quarts  14 Pints  15 Liquid Oz.  28 Dry Oz.  30 Grams |
| **ACRES** | **NUMBER** |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 2013 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*. | | | | | |  | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | **CODE** | |
| 5. **Was the cotton that was grown in this field in 2014 covered by the boll weevil eradication program** (BWEP)**?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | | 0325 | |
| [*If YES, ask---*] | |  | | |  | |  | |
| a. What phase has the eradication program reached in this field--- | | 1. Active eradication phase? 2. Post-eradication phase? | | | | . . . | 0336 | |
|  | | |  | | | | | |
|  | | | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **DOLLARS & CENTS**  **PER BALE** | |
| b. For 2014, what was your assessment on this field to participate in the BWEP?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0337 | **.\_\_\_ \_\_\_** | |  | 0338 | **.\_\_\_ \_\_\_** |
| (***Include*** *operator and landlord charges for the 2014 cotton whether paid prior to or after ginning.*) | | | | | | | | |
|  | | |  | | |  | **CODE** | |
| c. How did the level of secondary cotton pests in 2014 compare with the level prior to participating in the BWEP? (*e.g. beet armyworm; budworms; plant bugs; or aphids*)----. . . . . . . . . . . . . . . . . . . . . . . | | | 1. Increased? 2. Decreased? 3. No Change? | | | . . . | 0339 | |
|  | | | | | | |  | |
| **ASK FOR CALIFORNIA and TEXAS ONLY** |  | | | | | | **CODE** | |
| 6. **Was the cotton in this field covered by an area-wide pink bollworm  eradication or suppression program** (PBWP)**?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | | 0341 | |
| [*If YES, ask---*] | | | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **DOLLARS & CENTS**  **PER BALE** | |
| a. For the current crop year, what was your cost on this field  to participate in the PBWP?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0342 | **.\_\_\_ \_\_\_** | |  | 0343 | **.\_\_\_ \_\_\_** |
| (***Include*** *operator and landlord per acre and/or per bale charges for this year’s cotton*  *whether paid prior to or after ginning. If you receive a credit on your PBWP assessment*  *for planting Bt cotton to control pink bollworm, report only the amount of the assessment*  *you or your landlord paid.)* | | |  | | | | | |

|  |  |  |
| --- | --- | --- |
| **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 2014 cotton 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 3000-4999*),**  ***Section D, item 1, column 2*?]** | | | | | | | |
| **YES** - [*Continue*] | **NO** - [*Go to item 8*] | | | | | | |
|  | | | | | |  | |
| 6. **Were herbicides applied to this cotton field BEFORE weeds emerged?**  [*If item 6 = YES, ask---*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | **CODE** | |
|  | | | | |  | 0803 | |
|  | | | | |  |  | |
| a. Were the herbicides applied BEFORE weeds emerged on this cotton  fieldbased primarily on--- | | 1 routine treatments of what **weeds** are usually present?  **OR**  2 weed scouting from the previous year? |  | | | **CODE** | |
|  | |  | . . . . . . . . . . . . . | | | 0804 | |
|  | | | | | | **CODE** | |
| 7. **Were herbicides applied to this cotton field AFTER weeds emerged?**  [*If item 7 = YES, ask---*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | 0805 | |
|  | | | | | | | |
| a. Were the herbicides applied AFTER  weeds emerged on this cotton  fieldbased 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 – 2999*),**  ***in Section D, item 1, column 2*?]** | | | | | | | |
| **YES** - [*Continue*] | **NO** - [*Go to item 10*] | | | | | | |
|  | | | | | |  | |
| 9. **Were the insecticides applied to this cotton**  **field based primarily on---** | | 1 routine treatments of what **insects** are usually present?  **OR**  2 scouting for insect infestation? | |  | | **CODE** | |
|  | |  | | . . . . . . . . . . . . | | 0807 | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | | **CODE** |
| 10. **In 2014, 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?** [**Exclude** *traps checked as part of either BWEP or PBWP.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **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 cotton 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 |

|  |  |  |
| --- | --- | --- |
|  | |  |
| 15. **Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** |
| 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 practices 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 fence lines?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0850 |
| k. Clean equipment and field implements after completing field work to reduce the spread of pests?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0851 |
| l. Adjust row spacing, plant density or row directions?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0852 |
| m. Have the seed used in this field treated for insect or disease control after you purchased the seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0854 |
| n. Maintain a beneficial insect or vertebrate habitat?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0855 |
| o. Maintain buffer strips or border rows to isolate organic cotton from non-organic crops or land, or did you take a buffer harvest?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0856 |
| p. Use a flamer to kill weeds?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0857 |
|  | | |

|  |  |  |
| --- | --- | --- |
| 19. **Was this field cultivated for weed control during the growing season?**. . . . . . . . . . . . . . . . . | **YES = 1** | 0863 |
| a. [*If YES, ask*---] | | **NUMBER** |
| How many times did you cultivate this field for weed control during the growing season?. . . . . . . . . | | 0864 |

|  |  |  |
| --- | --- | --- |
| 20. **Were any beneficial organisms** (*insects, nematodes, fungi*) **applied or released in this field to manage pests?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0853 |
|  | | |

|  |  |  |
| --- | --- | --- |
| 21. **Were floral lures, attractants, repellants, pheromone traps or other**  **biological pest controls used on this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0858 |
| [*If item 20 or 21 = YES, ask*---] | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| a. **What were the TOTAL materials and application costs for all**  **biological pests controls for this field?** | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** |
| ***[Include*** *landlord’s and contractor’s share.* ***Include*** *cost for beneficial organisms (insects, nematodes, and fungi).*  ***Exclude*** *biological pesticides and BWEP traps.]*. . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0859 | **.\_\_\_\_ \_\_\_\_** |  | 0860 |

|  |  |  |
| --- | --- | --- |
|  | | |
| 22. **Was a trap crop grown to help manage insects in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0869 |
|  | | |

|  |  |  |
| --- | --- | --- |
| 23. **Were water management practices such as irrigation scheduling, controlled**  **drainage, or treatment of retention water used on this field to manage for pests or toxic producing fungi and bacteria** (*i.e.aflatoxin*)**?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** |
| 0861 |
| 24. **Was protection of beneficial organisms a factor in your pest control decisions for this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0862 |
|  |  |  |

|  |
| --- |
| **PEST MANAGEMENT INFORMATION** |
|  |
| 25. [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 2014 cotton 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 |  | |  | |
| 11 Other – (*Specify*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  | | **THIRD** | |
| 12 None – Operator used no **outside** information source |  | | 0867 | |
|  |  | |  | |
|  | | | **CODE** | |
| 26. **Other than pesticide applicator training, have you (the operator) attended any**  **training session on pest identification and management since October 1, 2013?**. . . . . . . | | **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 2014 cotton 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 2013, list operations starting with fall 2012*.) | | | Land Forming/Levee Building  Tillage  Preparing for Irrigation  Planting  Fertilizer & Pesticide applications  Harvesting  Module Building  Hauling from field to gin  **Exclude**  Lime & Gypsum\landplaster applications  Non-Commercial manure applications and 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*.] |  |
|  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **[IF CUSTOM(*column 5 = code 6* ), *skip columns 6-11*]** | | | | | | | |
| **2** | **3** | **4** | **5** | **6** | **7** | **8 OR 9** | | | **10** | | **11** |
| **S**  **E**  **Q**  **U**  **E**  **N**  **C**  **E** | **What operation or equipment was used?** | [*Record machine*  *code*  *from*  *Respondent*  *Booklet.*] | **Who was**  **the machine**  **operator-**  [*Enter*  *code*  *from*  *above*.] | **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 Bales | **How**  **many**  **acres**  **were**  **covered?**  [*Exclude*  *land forming*  *and*  *hauling*  *operations*] | | **How many TOTAL HOURS were spent on land forming and hauling?**  [*Example: backhoes, disk border maker, ditcher, rear mounted blade,*  *trucks, wagons, forklifts, etc.*] | **Which Power Source**  **was used?** **1/**  **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 | | **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 |
| **No.** |  | **CODE** | **CODE** |  | **CODE** | **ACRES** | | **HOURS** | **CODE** | | **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 2014 cotton crop. | | | | | | | | |
|  | **1**  **How many hours did** (*type of worker*)**spend on this field---** | | | | | | | |
| **TYPE OF WORKERS** | a. | | | b. | | | c. | |
| scouting for weeds,  insects  and diseases?  **HOURS** | | | irrigating?  **HOURS** | | | 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 2014 cotton crop.** | | | |
|  | | | |
| √ | 1  **CUSTOM SERVICE**  **Which of these services were done for the 2014 cotton crop on this field?**  [*Check √ box for each service performed; refer to Item 1, column 5 if necessary*.] | 2  **Including**  **landlord’s/contractor’s**  **cost,**  **how much was spent**  **for**  *[column 1*] **on**  **this field for the 2014**  **cotton crop?**  **DOLLARS & CENTS**  **PER ACRE** | |
|  | 1. custom land preparation, shaping and/or leveling?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .   (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_=\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Cost per hour X Total hours = Total dollars ÷ Total Acres in the field = Dollars & Cents per acre. | 1121 | **.\_\_\_ \_\_\_** |
|  | b. custom cultivating?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1122 | **.\_\_\_ \_\_\_** |
|  | c. custom planting and/or reseeding?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1123 | **.\_\_\_ \_\_\_** |
|  | d. custom harvesting?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1124 | **.\_\_\_ \_\_\_** |
|  | e. custom module building?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Dollars & Cents per unit x Total units built ÷ Total acres in field = Dollars & Cents per acre.) | 1125 | **.\_\_\_ \_\_\_** |
|  | f. custom hauling from field to gin?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .  (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Dollars & Cents per unit x Total units hauled from field ÷ Total acres in field = Dollars & Cents per acre.) | 1126 | **.\_\_\_ \_\_\_** |
|  | [*If custom harvesting, module building and hauling cannot be separated ask*---]]   1. custom harvesting, module building and hauling from field to gin?. . . . . . . . . . . . . . . . . . . . .   (\_\_ \_\_**.\_\_** **\_\_** X\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**÷\_\_\_\_\_\_\_\_\_\_\_\_= \_\_ \_\_.\_\_ \_\_**  Dollars & Cents per unit x Total units hauled from field ÷ Total acres in field = Dollars & Cents per acre.) | 1128 | **.\_\_\_ \_\_\_** |
|  | | | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 section G] | | | | | | | **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 (***Exclude*** *any activity for the BWEP or PBWP*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | **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 cotton 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) add/improve tile drainage?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1141 |
| (ii) add/improve irrigation equipment/irrigation water application?. . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1142 |
| (iii) conduct in-field experiments (*e.g., compare fertilizer applications*,  *seed varieties, herbicides, pesticides, etc*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1143 |
| (iv) negotiate new crop leases?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1144 |
| (v) document yields for crop insurance, real estate tax, or farm  program purposes?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1145 |
| (vi) accurately divide crop production among partners and/or for  landlord crop shares?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1146 |
| (vii) other uses [specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | . . . . . . . . . . . . | **YES = 1** | | 1147 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | | | **CODE** |
| 11. **During 2013 or 2014, 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 2014 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** |

|  |  |  |
| --- | --- | --- |
|  | **ACRES** | |
| 1. **How many acres in this field were irrigated for the 2014 cotton crop?** [*If none, go to* ***Section******H***]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1160 | **.\_\_\_** |
|  | | |

|  |
| --- |
| 2. **Now, I have some questions about irrigation systems and water used on this field**  **for the 2014 cotton 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 cotton 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  cotton growing season using this system?  [***Include*** *any pre-plant irrigation*.] | | **NUMBER OF**  **IRRIGATIONS** | 1167 | | 1181 | |
| e. Was the pump type---  *[If more than one pump in the system, enter*  *type for pump closest to water source.]* | 1. **TURBINE?** 2. **SUBMERSIBLE?** 3. **CENTRIFUGAL?** 4. **BOOSTER?** 5. **SIPHON?** 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 2e = 99), ask*---]  What was the average flow rate?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1173 | | 1187 | |
| k. How many other acres on this operation were irrigated using this field’s irrigation system during the 2014 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 2014 growing season?  (***Include*** *landlord and contractor costs and ditch maintenance costs*.). . . . . . . . . . . . | | 1193 | **.\_\_\_ \_\_\_** |  | 1194 |

|  |  |
| --- | --- |
| 5. [*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 |
| 6 [*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 2014 growing season?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1202 |

|  |  |
| --- | --- |
| 7. [*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 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 8. **Were wells used to supply irrigation water for this field?** | | | **CODE** | |
| **YES** - [*Enter code 1 and continue*] | **NO** - [*Go to item 9*]. . . . . . . . . . . . . . . . . . . . . . . . . . . | | 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 9*]. . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1210 | |
|  | | | **ACRES** | |
| (i) Excludingthis field,how many other acres on this operation were irrigated using the same well(s) during the 2014 growing season?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1211 | **.\_\_\_\_** |

|  |  |  |
| --- | --- | --- |
| 9.  **Was any additional mainline or lateral pipe used to carry water from the source to the**  **system in this field?**  (***Include*** *underground pipe.* ***Exclude*** *any system pipe within the selected field.)* | | |
| **YES** - [*Continue.*] | **NO** - [*Go to item 10*.] | |
|  | | **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**  1 retained at the end of the field?  2 reused to irrigate on the farm?  3 collected in evaporation ponds on the farm?  4 drained from the farm?  5 there is no run-off. |  | **CODE** |
| 10. **Is the run-off from this field**. . . . . . . . . . . . . . . . . | . . . . . . . . . . | 1214 |

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

|  |  |  |
| --- | --- | --- |
| 1. **In response to high fuel prices during the 2014 crop year for cotton, did you:** | | |
|  | | **CODE** |
| a. reduce the number of field operations such as tillage, cultivation, or nutrient and pesticide applications on this field (*i.e., compared to what you would have otherwise*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1220 |
|  |  |  |
|  |  |  |
| b. reduce the amount of irrigation water on this field (*i.e., compared to what you would  have otherwise applied*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1222 |
|  |  |  |
| c. change other production practices on this field? [*If yes, specify*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | **YES = 1** | 1223 |
|  | | |
| 2. **In response to high fertilizer prices during the 2014 crop year for cotton, did you:** | | |
|  |  |  |
| a. reduce the application rate of commercial nitrogen fertilizer on this field (*i.e., compared to what you would have otherwise applied*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1224 |
| [*If YES, ask*---] |  | **PERCENT** |
| (i) by what percent did you reduce the amount of commercial nitrogen  fertilizer for 2014?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1225 |
|  |  | **CODE** |
| b. change the type of commercial nitrogen fertilizer products applied  on this field (*i.e., compared to what you would have otherwise applied*)?  [*e.g*. *less anhydrous ammonia and more UAN*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1226 |
|  |  |  |
| c. increase the application rate of manure or other organic fertilizers  on this field (*i.e., compared to what you would have otherwise applied*)?. . . . . . . . . . . . . . . . | **YES = 1** | 1227 |
|  |  |  |
| d. manage fertilizer more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on this field  (*i.e., compared to what you would have otherwise done*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1228 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LOCATION OF SELECTED FIELD** | | | | | | | | | | | |
| 1. **I need to locate the selected field of cotton on**  **this map.** | | | **COUNTY/PARISH NAME** | | | | | | | **OFFICE USE**  **COUNTY FIPS**  **CODE** | |
| **What county/parish is the cotton 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 cotton 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 2015 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 free 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: (\_\_\_\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **PARTNERS STRATUM SAMPLE 182** | | | | | | | | **Duplication Adjustor** | | **Office Use for POID** | | |
| **OFFICE USE** | | 0925 | | 0926 | | 0927 | | 0928 | | 0922 | | 0789 | | |
| \_\_\_ \_\_\_ \_\_\_ | | \_\_\_ \_\_\_ \_\_\_ | | \_\_\_ \_\_\_ \_\_\_ | | \_\_\_ \_\_\_ \_\_\_ | | \_\_ \_\_ \_\_ - \_\_ \_\_ \_\_ - \_\_ \_\_ \_\_ | | |
| **Response** | | | **Respondent** | | | | **Mode** | | | **Enum** | **Eval.** | **Date** | **Optional** | |
|  | | |  | | | |  | | |  |  | **MM DD YY** |  | |
| 1-Comp  2-R  3-Inac | 9901 | | 1- Op/Mgr  2-Sp  3-Acct/Bkpr  4-Partner  9-Other | | 9902 | | 2-Tel  3-Face-to- Face | | 9903 | 0098 | 0100 | 9910  **\_\_\_ \_\_\_ \_\_\_ \_\_\_07** | 0002 | 0003 |
| S/E Name | | | | | | | | | | | | | | |