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| **2019 AGRICULTURAL RESOURCE MANAGEMENT SURVEY** | | | | | | | | | |
|  | | | | | | OMB No. 0535-0218  Approval Expires: 07/31/2018  Project Code: 906  SMetaKey: 2604  Phase II | | | |
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| **SURVEY_LOGO_1:USDA_logo_bw.gif** | | **new_nass_logo_bw** | **NATIONAL**  **AGRICULTURAL**  **STATISTICS**  **SERVICE** |
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|  |  |  |  |  |  | | National Agricultural Statistics Service  U.S Department of Agriculture  NOC Division  9700 Page Avenue, Suite 400  St. Louis, MO 63132-1547  Phone: 1-888-424-7828  Fax: 1-855-415-3687  E-mail: nass@nass.usda.gov | | |

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| **COTTON PRODUCTION PRACTICES AND COSTS REPORT FOR** **2019** |

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| **VERSION**  **11** | **ID**  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_** | **TRACT**  **01** | **SUBTRACT**  **\_\_\_ \_\_\_** | **C-TYPE**  **106** |  |
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| **CONTACT RECORD** | | |
| DATE | TIME | NOTES |
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| **INTRODUCTION:**  [*Introduce yourself, and ask for the operator. Rephrase in your own words*.]  The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: https://www.nass.usda.gov/confidentiality. 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 45 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.  We encourage you to refer to your farm records during the interview. | | | | | |
|  | **H H M M** |  | | **SCREENING BOX** |  |
| **BEGINNING TIME**  [*MILITARY*] | 0004 |  |  | 0006 |  |
| **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |  |  |

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

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

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|  | **TOTAL PLANTED ACRES** | |
| 1. **How many acres of cotton did this operation plant for the 2019 crop year?** . . . . . . . . . . . . . . | 0050 | **.\_\_\_\_** |
| [*If no acres were planted, review Screening Survey Information Form, make notes, then go to item 4 on back page*.] | | |
| [*If skip row cotton was planted, exclude the acreage in the skips.*] | | |

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| 2. **I will follow a simple procedure to make a random selection from the** **cotton fields planted for the** **2019 crop.** |  |
| **What is the TOTAL number of** **cotton fields that were planted on this operation?**  [*If only one field, enter “1” and go to item 5.*] . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **TOTAL NUMBER OF FIELDS PLANTED** |
|  | 0020 |

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| 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.*] | |

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| **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 |

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|  | **‘Apply Random Operation Label’** |  |  |
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|  | |  | **SELECTED FIELD NUMBER** |
| 4. [**ENUMERATOR ACTION:** *Circle the pair of numbers on the above label associated with the last numbered field in item 3. Select the field according to the number you circled on the label, and record the selected number. If only one field, enter 1.*] | | | 0021 |

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| 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.*] | | |
|  | | |
| 6. **For the randomly selected field above, please provide the Farm Service Agency (FSA):** | | |
| a. Farm Number. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | |  |
| b. Tract Number. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | |  |
| c. Field Number. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | |  |
|  | **OFFICE USE**  **OY Field Substituted** |  |
|  | 0022 |  |

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

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|  | | **ACRES** | |
| 1. **How many acres of cotton did this operation plant in this field for the 2019 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** | |
| 1300 | |
| [*If YES, skip 1b and ask item 2*] | | | |

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| b. Was this field transitioning into organic cotton production in 2019?. . . . . . . . . . . . . . . . . . | **YES=1** | 1399 |

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|  | | | **CODE** |
| 2. **Were the acres in this field --** | 1 owned by this operation?  2 rented for CASH with the payment being a fixed cash amount?  3 rented for CASH with the payment being a flexible cash amount?  4 rented for a SHARE of the crop?  5 rented for some combination of CASH and SHARE of the crop?  6 used RENT FREE? | . . . . | 1302 |
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| [*If field is CASH RENTED (item 2 = 2, 3 or 5), ask item 3,* *else go to item 4.*] | | | | | | **DOLLARS & CENTS PER ACRE** |
| 3. **What was the cash rent paid per acre for this 2019 COTTON field?** . . . . . . . . . . . . . . . . . . . . . . . | | | | | | 1303  **.\_\_ \_\_** |
| [If field is SHARE RENTED (item 2 = 4 or 5), ask--] | | | | | | **PERCENT** |
| 4. **What was the landlord’s share of the crop from this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | 1304 |
| [*If field is RENTED* (*item 2 = 2, 3, 4,or 5*), ask--] |  | | |  | |  |
| 5. **What was the total cost for all inputs provided by any landlord  for the** **2019 crop on the selected field?** *(****Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation.* ***Exclude*** *real estate tax expenses and lime costs paid by the landowner*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | | **TOTAL DOLLARS** |
| 1305 | **.\_\_ \_\_** |  | | | 1306 |
| 6. **What was the total cost for all inputs provided by any contractor  for the** **2019 crop on the selected field?** *(****Include*** *the costs for all inputs, such as seed, fertilizer, chemicals, technical services, custom operations, and irrigation.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | | **TOTAL DOLLARS** |
| 1309 | **.\_\_ \_\_** |  | | | 1310 |
|  |  | | | |  | **YEAR** |
| 7. **What year did you** (*the operator listed on the label*) **start operating this field?** . . . . . . . . . . . . . . . . . . | | | | | | 1312  **\_\_\_ \_\_\_ \_\_\_ \_\_\_** |
|  | | | | | | **MM DD YY** |
| 8. **On what date was this field planted?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | 1308  \_\_ \_\_ \_\_ \_\_ \_\_ \_\_ |

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|  | | | **POUNDS PER ACRE** |
| a. What was your yield goal for cotton lint at planting for this field? (***Exclude*** pounds of seed cotton.) | | | 3316 |
|  | | | **CODE** |
| 9. **What type of cotton was planted on this field?. . . .** | 1. Upland 2. Pima-extra long stable or ELS | . . . . . . . . . . . | 3317 |

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| 10. **What was the source and cost of---** (***Include*** operator, landlord, and contractor costs*.* ***Include*** cost of seed treatment and technology fee.***Exclude*** any Bt seed payment received for participating in the Pink Bollworm program.) | **DOLLARS & CENTS**  **PER UNIT** | | **UNIT CODE**  1=POUNDS  22=ACRE  23=APPROX 50 LB. BAG  40 =250,000 SEED BAG | **PERCENT of**  **SEED**  **PLANTED** | |
| a. GMO/GE purchased seed?. . . . . . . . . . . . . . . . . . . . . . | 1214 | **.\_\_\_ \_\_\_** | 1215 | 1216 | |
| b. Non-GMO/GE purchased seed?. . . . . . . . . . . . . . . . . . . | 1217 | **.\_\_\_ \_\_\_** | 1218 | 1219 | |
| c. Homegrown seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 1318 | |
|  | | | | **100%** | |
| [*If homegrown, ask---*] | | | | **CENTS PER POUND** | |
| (i) What was the cost for cleaning and treating this seed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 3321 | **.\_\_\_** |

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|  | **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 |
| 11. **What was the seeding rate per acre the first time  this field was planted?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1313 | **.\_\_\_** | 3314 |

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| a. What method of seeding did you use on this field?. . | | 1 Drilled?  2 Planted in Conventional Rows?  3 Broadcast on this field? | | . . . . . . . . . . | | | | **CODE** |
|  | |  | |  | | | | 1316 |
| **[If drilled or planted (item 11 = 1 or 2), ask---]** | | | |  | | | | **INCHES** |
| b. What was the average cotton row width?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 1322 |
|  | | | | | | | | **CODE** |
| 12. **Did this field have skip-row cotton?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | **YES = 1** | | | 1323 |
| **[If no skip-row, go to item 13]** | | | | | |  | | |
|  |  | | **ROWS**  **OF COTTON** | | | | **BY** | **ROWS**  **OF SKIP** |
| a. What was the common skip pattern?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1324 | | | |  | 1325 |
|  | | | | | | | | **INCHES** |
| b. What was the average width of the skip?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 1326 |

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|  | | **ACRES** | |
| 13. **How many acres in this field had to be replanted to cotton?**  (Acres replanted = Number of acres X the number of times replanted*.*). . . . . . . . . . . . . . . . . . . . . . . . . | | | 1315  **.\_\_\_\_** |
|  | | | **CODE** |
| 14. Was a hybrid cotton seed planted in this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 1327 |

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|  | | **2019**  **Yes = 1** | **2014**  **Yes = 1**  **N/A no cotton in field = 4** |
| 15. **Did you plant GMO/GE seeds for the 2019** **or 2014 crop years?** . . . . . . . . . . . . | | 2300 | 2301 |
| **[If item 15 = 1 for either year, continue. Otherwise, go to item 17.]** | |  |  |
|  | | | |
| 16. **Did the cotton planted on this field have any of the following GMO/GE traits in** **2019 or** **2014?** **[*Leave the second column blank if*** field ***was not planted with cotton in*** ***2014*.]--** | | **2019**  **YES = 1** | **2014**  **YES = 1** |
| a. Lepidopteran Resistance (Single Mode of Action). . . . . . . . . . . . . . . . . . . . . . . . | | 2302 | 2303 |
| b. Lepidopteran Resistance (Pyramided Modes of Action). . . . . . . . . . . . . . . . . . . | | 2304 | 2305 |
| c. Glyphosate Tolerance. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2306 | 2307 |
| d. 2, 4-D Tolerance. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2308 | 2309 |
| e. Dicamba Tolerance. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2310 | 2311 |
| f. Glufosinate Tolerance. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2312 | 2313 |
| g. Other HT Trait. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2314 | 2315 |
|  | | |
|  | | |
|  | | **2019**  **YES = 1** | **2014**  **YES = 1**  **N/A No cotton in field = 4** |
| 17. **Was a non-GMO/GE seed planted in--** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2316 | 2317 |
| **[If item 17 = 1 for either year, then continue. Otherwise, go to item 18]** | |  |  |

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|  | **2019**  **YES = 1** | **2014**  **YES = 1**  **N/A No cotton in field = 4** |
| a. **Was this non-GMO/GE seed herbicide tolerant in--** . . . . . . . . . . . . . . . . . . . . | 2318 | 2319 |
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| 18. **For the 2019 cotton crop, did you purchase pre-treated seed or have**  **the seed treated after purchase with --** | | **CODE** |
| a. a fungicide (e.g., Trilex, Allegiance, or other seed treatments):. . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2320 |
| b. a nematicide (e.g., Acceleron, Avicta, or Aeris seed treatment)?. . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2321 |
| c. an insecticide (e.g., Poncho, Gaucho, Cruiser, Amparo seed treatment)?. . . . . . . . . . . . . | **YES = 1** | 2322 |
| **[If item 18c = 1 continue, otherwise go to item 20]** |  |  |

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| 19. **Did you use an “air delivery and/or vacuum planter (pneumatic)” for the seed purchased with an insecticide seed treatment?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2323 |
| **[If item 19 = 1, ask--]** |  |  |
| a. Did you use talc and/or graphite seed flow lubricant? | **YES = 1** | 2324 |

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| **SEED TREATMENT PRODUCTS CODE LIST for item 20 – SEED TREATMENT** | | | | | |
| 100 Acceleron  101 Acceleron I  102 Acceleron FI  103 Acceleron N | 104 Apron  105 Cruiser  106 Cruiser Dynasty  107 Avicta | 108 Avicta Complete  109 Aeris  110 Aeris + Trilex Advanced  111 Gaucho | 112 Gaucho Grande  113 Genero  999 Other  3 Seed was not treated | | |
|  | | | |  | **CODE** |
| 20. **Enter the appropriate product code from above** (*enter 3 if a seed treatment was not applied*).. . . | | | | | 2325 |
| 21. **Did you use a GMO/GE insect resistant seed variety?** . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | 2326 |

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| **[If item 21 = 1 continue, otherwise go to item 23]** |
| a. Did you choose the resistant seed variety used on this field primarily to-- |
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| --- | --- | --- | --- |
|  | 1 Increase yields through improved pest (weed or insect) control?  2 Decrease pesticide input costs?  3 Save management time or labor or improve ease of management?  4 For some other reason(s)? [Specify \_\_\_\_\_\_\_\_\_\_\_\_\_] |  | **CODE** |
| . . . . . . . . . . . . . . . . . . . . . . | 2327 |
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|  | | **PERCENT** |
| 22. **What percent of the field was used as refuge in order to comply with Bt cotton** **insect resistant management guidelines?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2328 |
|  |  | **CODE** |
| 23. **Has harvest of this field been completed?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1328 |

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| 24. **Please report the following** **information about the acres harvested** (*or to be harvested*) **and the yields from this field**. |

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|  | **ACRES** | |
| a. How many ACRES in the cotton field were (or will be) harvested for lint?. . . . . . . . . . . . . . . . . . . | 2346 | **.\_\_\_\_** |
|  | **POUNDS PER ACRE** | |
| (i) How many pounds of lint PER ACRE were harvested (do you expect to get if not harvested)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2347 | |
|  | **ACRES** | |
| b. How many ACRES in the cotton field were (will be) abandoned?. . . . . . . . . . . . . . . . . . . . . . . . . | 1351 | **.\_\_\_\_** |

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

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| 25. **Please report what crops were previously PLANTED on the majority of this field, including cover crops.** |

|  |  |  |  |  |  |  |  |  |
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| 1 | | | | 2 | 3 | 4 | 5 | |
| **What crops were PLANTED on this field in---** | | | | **Was this**  **a cover crop?** | **How did you manage this crop?** | **Was this**  **field**  **irrigated?** | **Was this**  **field**  **no-tilled or strip-tilled?**  **1/** | |
|  | |  |  |  | 1 Plowed-in |  | |  |
|  | |  |  |  | 2 Chiseled-in |  | |  |
|  | |  |  |  | 3 Chemical-killed |  | |  |
|  | |  |  |  | 4 Rolled |  | |  |
|  | |  |  |  | 5 Grazed |  | |  |
|  | |  |  |  | 6 Harvested |  | |  |
|  | |  |  |  | 7 Disked |  | |  |
| **SEASON AND YEAR** | | **CROP NAME** | **CROP**  **CODE** | **YES = 1** | **CODE** | **YES = 1** | | **YES = 1** |
| a. FALL of 2014?. . . . . . . . . . . . . . . . . | |  | 1343 | 1470 | 1471 | 2344 | | 1345 |
| b. SPRING/SUMMER of 2014?. . . . . . | |  | 1369 | 1472 | 1473 | 2370 | | 1371 |
| c. FALL of 2013?. . . . . . . . . . . . . . . . . | |  | 1372 | 1474 | 1475 | 2373 | | 1374 |
| d. SPRING/SUMMER of 2013?. . . . . . | |  | 1375 | 1476 | 1477 | 2376 | | 1377 |
| e. FALL of 2012?. . . . . . . . . . . . . . . . . | |  | 1378 | 1478 | 1479 | 2379 | | 1380 |
| f. SPRING/SUMMER of 2012?. . . . . . | |  | 1381 | 1480 | 1481 | 2382 | | 1383 |
| g. FALL of 2011?. . . . . . . . . . . . . . . . . | |  | 1366 | 1482 | 1483 | 2367 | | 1368 |
| h. SPRING/SUMMER of 2011?. . . . . . | |  | 1340 | 1484 | 1485 | 2341 | | 1342 |
| 1/ | *No-till means leaving oil and previous crop residue undisturbed from harvest to planting. Strip-till means tilling a narrow strip over the row, leaving soil and previous crop residue between the rows undisturbed.* | | | | | | | |

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| **[*If a cover crop was planted in Spring/Summer/Fall 2014, ask—*]** | **DOLLARS & CENTS**  **PER ACRE** | |
| i. What was the seed cost per acre for the cover crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1468 | .\_\_ \_\_ |
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| 26. **Which of the following conservation practices or plans are used on this field?** | | | | | | | | |
| 1 | | 2 | 3 | 4 | | | | 5 | | |
|  | |  |  | Have you ever received at any time-- | | | |  | | |
| CONSERVATION PRACTICES or PLANS | | Was this practice or plan used in 2019 | For 2011-2019, how many years was this practice or plan used? | Technical or planning assistance? | | Financial assistance? | | Does this practice or plan help satisfy? | | |
| 1  2  3  4  5  6 | USDA  Private technical service provider funded by USDA  Soil Conservation District or State Agency  Other Source  Self-funded (hired provider)  No technical assistance needed | 1  2  3  4 | Environmental Quality Incentives Program (EQIP)?  Conservation Reserve Program (CRP)?  Conservation Stewardship Programs (CSP)?  Other Federal, State, local program | 1  2  3 | A federal regulatory requirement?  A state or local regulatory requirement?  USDA conservation compliance provisions? | |
|  | | **YES = 1** | **NUMBER** | **CODE** | | **CODE** | | **CODE** | | |
| a. Conservation tillage [*include no-till/direct seeding, mulch till, and ridge till*]. . . . . . . . . . . . . . | | 706 | 716 | 726 | | 736 | | 746 | | |
| b. Cover crops [*include grasses, legumes, forbs, or other herbaceous plants for seasonal cover and conservation*]. . . . . . | | 707 | 717 | 727 | | 737 | | 747 | | |
| c. Structural practices to conserve soil? [*include grass waterways, terraces, grade stabilization, contour buffer strips, etc*.]. . . . . . . | | 708 | 718 | 728 | | 738 | | 748 | | |
| d. Nitrogen application practices? [*include splitting nitrogen applications 50% after crop emergence, applying nutrients 30 days prior to planting precision application of nutrients, or using controlled release fertilizer*]. . . . . . . . . . . . . . | | 709 | 719 | 729 | | 739 | | 749 | | |
| e. Conservation plan specifying practices to reduce soil erosion?. . . . | | 702 | 712 | 722 | | 732 | | 742 | | |
| f. Nutrient management plan specifying practices for fertilizer/manure application?. . . . . . . . . . . | | 703 | 713 | 723 | | 733 | | 743 | | |
| g. Pest management plan to implement Integrated Pest Management (IPM) to control weeds, insects, or disease?. . . . . . . . . . . . . | | 704 | 714 | 724 | | 734 | | 744 | | |
| h. Irrigation water management plan specifying irrigation practices?. . . . . . . . . . . . | | 705 | 715 | 725 | | 735 | | 745 | | |

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| 27. **Is this field included in an existing conservation program contract through any of the following programs for which you or the landlord have received** (*or expect to receive*) **cost sharing payments, stewardship payments, or incentive payments?** | | | | | | | | | |
|  | | | | | | | | | |
|  | 1 | | 2 | | 3 | 4 | | |
| PROGRAM | 1/ | | How many practices or practice enhancements are included in the contract? | | Does the contract include livestock related practices? | During the past 4 years, was this field included in an application that was rejected or has not yet been funded? | | |
|  | **YES = 1** | | **NUMBER** | | **YES = 1** | **YES = 1** | | |
| a. Environmental Quality Incentive Program (EQIP) | 2236 | | 2237 | | 2238 | 2239 | | |
| b. Conservation Security or Conservation Stewardship Programs (CSP) | 2240 | | 2241 | | 2242 | 2243 | | |
| c. Conservation Reserve Program (CRP) | 2244 | | 2245 | | 2246 | 2247 | | |
| d. Other Federal, State, Local or non-government source | 2248 | | 2249 | | 2250 | 2251 | | |
| 1/ [*Include conservation program contracts that provide assistance for grass waterways, filter strips, riparian buffers, or*  *similar practices on or adjoining this field*.] | | | | | | | | |
| **[In item 27 if you answered yes = 1 in column 1 or column 4 for any program continue, else go to item 30.]** | | | | | | | | |
| 28. **In applying for the Conservation Program you listed in item 27, did you:** | | | | | | | | |
|  | |  | |  | | |  | |
|  | |  | | How much time was spent on your behalf? [*Include the number of hours spent with you plus the number of hours spent on your behalf*.] | | | What was the cost of the consultation? | |
|  | | **YES = 1** | | **HOURS** | | | **DOLLARS & CENTS** | |
| a. Hire a consultant to help prepare the application?. . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2252 | | 2253 | | | 2254 | **.\_\_\_ \_\_\_** |
| b. Receive assistance free of charge? *[Include assistance received from USDA, and extension agent, an environmental organization, or a farm organization.*]. . . . . . . . . . . . . . . . . . . . . . . . . . | | 2255 | | 2256 | | |  |  |
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| 29. **In applying for and participating in the conservation program you listed in item 27, please indicate the approximate time you spent on the following activities:** | **HOURS** |
| a. Learning about the program in general, on your own or at meetings?. . . . . . . . . . . . . . . . . . . . . . . . . | 1352 |
| b. Planning or designing specific practices for your farm (on your own or in meetings with USDA staff, contractors, or others)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1353 |
| c. Collecting information (e.g., field characteristics, maps, soil test results) that was needed to fill out program application forms?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1354 |
| d. Filling out the program application forms?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1355 |
| e. If your offer was accepted, understanding and signing the contract?  [*Enter zero if offer was not accepted*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1356 |
| f. If your offer was accepted, documenting compliance after the practices were installed or adopted? [*Enter zero if offer was not accepted*.] | 1357 |

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| 30. **Did you apply for conservation funding** (through any Federal, State, or local program) **for this field in the last four years?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2357 |
| [**If item 30 = 1, go to item 32.**] |  |  |
| 31. **If you did not apply for conservation program funding for this field in the past four years, what were your reasons?** |  |  |
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|  | **Strongly**  **Agree** | **Agree** | **Neutral** | **Disagree** | **Strongly**  **Disagree** | **CODE** |
| a. I was not aware of USDA or other conservation programs. | 1 | 2 | 3 | 4 | 5 | 2358 |
| b. I am not aware of environmental problems (on this field). | 1 | 2 | 3 | 4 | 5 | 2359 |
| c. Payments are not high enough. | 1 | 2 | 3 | 4 | 5 | 2360 |
| d. Government standards make practices more expensive than they need to be to get the job done. | 1 | 2 | 3 | 4 | 5 | 2361 |
| e. My offer would not have been accepted because my farm is not eligible or my fields would not have ranked high enough. | 1 | 2 | 3 | 4 | 5 | 2362 |
| f. The application process is too complicated and time consuming. | 1 | 2 | 3 | 4 | 5 | 2363 |
| g. Documenting compliance would be too complicated and time consuming. | 1 | 2 | 3 | 4 | 5 | 2364 |
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| 32. **Has the Natural Resource Conservation Service** (NRCS) **classified any part of this field as “Highly Erodible”?** (Cropland identified as highly erodible is subject to highly erodible land conservation (HELC) requirements. Producers who receive farm program payments are required to have (and apply) a written soil conservation plan.) (A “written plan” is a plan prepared in accordance with Federal, State, or district standards.). . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** |
| 1404 |
|  |  |  |
| 33. **Have you been notified by NRCS that this field contains a wetland?**. . . . . . . . . . . . . . . . | **YES = 1** | 1405 |
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| 34. **What is the slope of this field?** . . | 1  2  3  4  5 | Nearly level (0 - 2%)  Even, moderate grade (3 – 9%)  Variable, moderate grade  Even, steep grade (over 10%)  Variable, steep grade | . . . . . . . . . . . . . . . . . . . . . . . | **CODE** |
| 2400 |
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| 35. **What is the primary soil type of this field?** . . . . . . . . . . . . . . . . . . . | 1  2  3  4 | Loam  Clay  Sandy  Mixed | . . . . . . . . . . . . . . . . . . . . . . . | **CODE** |
| 2401 |
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|  |  | **CODE** |
| 36. **Did the land use practices for this field include subsurface drainage?** | **YES = 1** | 2402 |
| [**If YES, ask--**] |  | **YEAR** |
| a. What year was the subsurface drainage installed?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2403 |

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|  | | | | |
|  | **CUBIC FEET PER SECOND** | **OR** | **INCHES OF WATER REMOVED PER DAY** |

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| b. What is the capacity of your system?. . . . . . . . . . . . . . . . . . . . . . . . . . | 2404 | |  | 2405 |
|  |  | |  |  |
| c. Does this system include a mechanism for controlled drainage (e.g. stop logs, risers, or float mechanisms?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 2406 |

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| 37. **Which of the following resource concerns do you have on this field?** |

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|  | CODE  YES = 1 | Have you received technical assistance from any of the following sources to evaluate this resource concern? (Report up to 3 sources that you received assistance from.) | | |
| RESOURCE CONCERNS | 1. USDA – NRCS 2. Cooperative Extension Service 3. Other USDA staff, including Forest Service 4. Other (e.g. Soil and Water Conservation District, state agency) | | |
|  | Source 1 | Source 2 | Source 3 |
| a. Water-driven erosion. . . . . . . . . . . . . . . . . . | 2407 | 2417 | 2427 | 2437 |
| b. Wind-driven erosion. . . . . . . . . . . . . . . . . . | 2408 | 2418 | 2428 | 2438 |
| c. Soil compaction. . . . . . . . . . . . . . . . . . . . . . | 2409 | 2419 | 2429 | 2439 |
| d. Poor drainage. . . . . . . . . . . . . . . . . . . . . . . | 2410 | 2420 | 2430 | 2440 |
| e. Low organic matter. . . . . . . . . . . . . . . . . . . | 2411 | 2421 | 2431 | 2441 |
| f. Water quality. . . . . . . . . . . . . . . . . . . . . . . . | 2412 | 2422 | 2432 | 2442 |
| g. Other concerns. . . . . . . . . . . . . . . . . . . . . . | 2413 | 2423 | 2433 | 2443 |
| h. No significant concerns. . . . . . . . . . . . . . . . . | 2414 | 2424 | 2434 | 2444 |

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| 38. **Was the cotton in this field covered by Federal Crop Insurance in 2019?** | **CODE** |
| YES – [*Enter code 1 and continue.*]  NO – [*Enter code 3 and go to Section C.*]. . . . . . . . . . . | 1385 |

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| a. Which coverage did you obtain?. . . . . | 1  2  3  4  5  6  7  8  9 | Federal CAT (basic catastrophic insurance)  Stacked Income Protection Plan (STAX) only  Yield protection  Yield plus STAX  Yield plus SCO (supplemental coverage option)  Revenue protection  Revenue plus STAX  Revenue plus SCO  Other Federal Crop insurance | . . . . . . . | **CODE** |
| 3386 |
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| **[If item 38a = 3, ask--]** | **PERCENT** |
| b. What was your yield level of your basic buy-up coverage for this field?. . . . . . . . . . . . . . . . . . . . . . | 1387 |
| c. What was your price level of your buy-up coverage for this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . | 1388 |
| **[If item 38a = 6, 7, or 8, ask--]** | **PERCENT** |
| d. What was the level of basic revenue coverage you obtained for this field?. . . . . . . . . . . . . . . . . . . . | 1389 |

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

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|  | | **CODE** | **EDIT TABLE** |
| 1. **Were commercial nutrients or fertilizers applied to this field for the 2019 cotton crop?** (*Include those from operators, landlords, and contractors*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0202 | 0200 |
| [*If COMMERCIAL nutrient or fertilizer applied, continue; else go to item 6.*] | | | **NUMBER** |
| 2. **How many commercial nutrient or fertilizer applications were made to this field  for the 2019 crop?**  (***Include*** *applications made by airplanes and custom applicators*.). . . . . . . . . . . . | | | 0203 |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3. **Now I need to record information for each application.** | | | | | | | | |
| **CHECKLIST** | | | |  | | | | |
|  | **INCLUDE** |  | **EXCLUDE** |  | | | | |
| Custom applied nutrients and fertilizers | | Micronutrients | |  | | | | |
| Nutrients or fertilizers applied  in the fall of 2014 and  those applied earlier if this field was fallow in 2014. | | Unprocessed manure  Nutrients or fertilizers applied to previous crops in this field | |  | |  | |  |
| Commercially prepared manure  or compost | | Lime and Gypsum/landplaster | |  | **Office Use**  **Lines in Table** | **TABLE**  **001** | 0299 |  |

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|  |  | | | | | | |  | **APPLICATION CODES for COLUMN 6** | | | | | | |  |
|  |  | | |  | | | |  | 1 Broadcast, ground without incorporation  2 Broadcast, ground with incorporation  3 Broadcast, by aircraft  4 In seed furrow | | | | 5 In irrigation water  6 Chisel/Injected or knifed in  7 Banded in or over row  8 Foliar or directed spray | | |  |
|  | | | | | | | | | | | | | | | | |
| **L**  **I**  **N**  **E** | | **2**  **MATERIALS USED**  [*Enter percentage analysis or actual*  *pounds of plant nutrients applied per acre*.]  [*Show Common Nutrients or Fertilizers*  *in Respondent Booklet*.] | | | | | **3**  **What quantity**  **was applied**  **per acre?**  [*Leave this*  *column blank*  *if actual pounds of 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** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **02** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **03** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **04** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **05** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **06** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **07** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |
| **08** | | 31 | 32 | | 33 | 34 | 36 | | | 37 | 38 | 39 | | 40 | **.\_\_\_** | |

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|  | **TABLE**  **000** | **LINE**  **00** |

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| 4. **Were any nutrients or fertilizers applied by custom applicators?**  **YES** - [*Continue*]  **NO** - [*Go to item 5*] | | | | | | | |
| a. Are you able to report the cost of nutrient or fertilizer materials and  custom application separately?  **YES** - [*Continue*]  **NO** - [*Go to item 5*] | | | | | | **OFFICE USE** | |
| 0215 | |
| b. Excluding the cost of the nutrient or fertilizer materials, how much  was spent for custom application of nutrients or fertilizers on this field?  (***Include*** *operator,**landlord, and contractor costs.* ***Include*** *costs for sulfur and micronutrients.* ***Exclude*** *custom application of**lime, gypsum, purchased manure and purchased compost*.) *[If material and application costs can’t be separated,* ***exclude*** *them here and record the total in item 5.*]. . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **TOTAL DOLLARS** | | |
| 0219 | **.\_\_\_ \_\_\_** |  | | | 0220 |  |

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| --- | --- | --- | --- | --- | --- |
| 5. **What was the TOTAL COST of all nutrient or fertilizer products**  **applied to this field?** (***Include*** *operator, landlord, and contractor costs, as well as the costs for sulfur and micronutrients*. [*If custom applied and the cost of material can be separated from application costs,* ***include*** *the cost of materials ONLY; otherwise,* ***include*** *both the material and application costs.*]***Include*** *materials applied to this field if it was fallow in 2014*. ***Exclude*** *lime, gypsum, purchased manure and purchased compost*.). . . . . . . . . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| 0221 | **.\_\_\_ \_\_\_** |  | | 0222 |

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|  | | **CODE** |
| 6. **Was gypsum applied to this field for the 2019 cotton crop?** . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0218 |

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| 7. **Was a soil or plant tissue test performed on this cotton field in 2014 or 2019 for the 2019 crop?** | | | | | |  |
| **YES** [*Continue*.] | **NO** [*Go to item 13*.] | | | | |  |
|  | | | | | | **CODE** |
| 8. **Was a soil test for phosphorus performed on this cotton field in 2014 or 2019 for the 2019 crop?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 0225 |
| [*If item 8 = 1, ask*---] | | | | | | **POUNDS**  **PER ACRE** |
| a. How many pounds of phosphorus (*per acre*) were recommended (*by the phosphorus test*)?. . . . . | | | | | | 0226 |
|  | | | | | | **CODE** |
| 9. **Was a soil test for nitrogen performed on this cotton field in 2014 or** **2019 for the 2019 crop?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 0227 |
| [*If item 9 = 1, ask---*] | | | | | | **POUNDS**  **PER ACRE** |
| a. How many pounds of nitrogen (*per acre*) were recommended (*by the nitrogen test*)?. . . . . . . . . . . | | | | | | 0228 |
|  | | | | | | **CODE** |
| 10. **Was a soil test for Soil Organic Matter performed on this COTTON field at some point in the last 10 years?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | | | 3225 |
| [*If item 10 = 1, ask---*] | | |  | | | **PERCENT** |
| a. What was the percentage of Soil Organic Matter on the field for the most recent test?. . . . . . . . . . | | | | | | 3226 |
|  | | | | | | **NUMBER** |
| b. How many times have you tested this field for Soil Organic Matter in the last ten years?. . . . . . . . | | | | | | 3227 |
| [*If item 10b is more than 1 ask---*] | | | | | | **CODE** |
| c. Based on these tests, is your Soil Organic Matter content:. . | | 1. Increasing 2. Decreasing 3. Staying roughly the same | | | . . . . | 3228 |

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| 11. **Was a plant tissue test or leaf analysis for nutrient deficiency performed on this field in 2014 or 2019 for the 2019 crop?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0229 |

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|  | | | | | |  |
|  | | **DOLLARS & CENTS PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| 12. **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 5. 3. Some other reason. | | | |  | **CODE** |
|  | …… | 0232 |
|  |  | |
| b. Did you receive a payment from the Conservation Stewardship Program for performing a stalk or leaf tissue test for Nitrogen application?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **YES = 1** | | 3231 |

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| [**ENUMERATOR ACTION*:*** *Refer to the Fertilizer Table, column 2. If nitrogen (N) was applied,*  *complete item 13. If NO nitrogen applied, go to item 14.*] |
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| 13.**Was the amount of nitrogen you decided to apply to this field based on---** | | **CODE** |
| a. Results of a soil or plant tissue test?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0233 |
| b. Crop consultant recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0234 |
| c. Fertilizer dealer recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0235 |
| d. Extension Service recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0236 |
| e. Cost of nitrogen and/or expected commodity price?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0237 |
| f. Contractor recommendation?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0238 |
| g. Routine practice (*operator’s own determination based on past*  *experience, yield goal, etc.*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0239 |

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|  | | **CODE** |
| 14. **Is lime ever applied to this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0242 |
| **[*If no lime applied, go to item 15; else continue*.]** | | **YEARS** |
| a. 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 2014 or 2019 for the 2019 crop?. . . . . . . . . . . . . . . . . . . | **YES = 1** | 0240 |
| **[*If field is rented* (Section B, item 2 = 2, 3, 4, or 5), *ask---*]** | | **PERCENT** |
| d. 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 |

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| 15. **Was non-commercial manure** (*from own farm, from a neighbor’s farm, etc.*) **or other organic material** (*excluding compos*t) **applied to this field for the 2019 cotton crop?** (***Exclude*** *commercially prepared manure*.)  **YES** - [*Enter code 1 and continue*]  **NO** - [*Go to item 17*]. . . . . . . . . . . . . . . . . . . . . . . | **CODE** | |
| 0246 | |
|  | **ACRES** | |
| a. How many acres in this field was manure applied to?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0247 | **.\_\_\_** |

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|  | 1 Tons  2 Gallons  3 Bushels |  | **CODE** |  | **UNITS PER ACRE** | | **OR** | **TOTAL UNITS** | |
| b. What was the amount of manure applied to this field?. . . . . . . . . . | . . | 0248 | **AND** | 0249 | **.\_\_\_ \_\_\_** |  | 0250 | **.\_\_\_** |
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|  | | | | | | | | | | | **MILES** | | |
| c. What is the distance between the manure storage/production location and this field?. . . . . . . . . . | | | | | | | | | | | 0251 | | **.\_\_\_** |
|  | | | | | | | | | | | | | |
| d. What was the capacity of the manure spreader  (*or other vehicle*) used to haul manure to this field?. . | | | 1 Tons  2 Gallons  3 Bushels |  | | | **CODE** | |  | | **TOTAL UNITS** | | |
| . . . . . | | | 0252 | | **AND** | | 0253 | **.\_\_\_ \_\_\_** | |
| e. Of the total manure applied to this field for the 2019  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*)?  8 Food waste?  9 Other? [*Specify:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ] | | | |  | | | | | | **CODE** | | |
| h. Was the major source  of the manure from---. . . . | . . . . . . . . . . . . . . . . . . . . | | | | | | 0259 | | |
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|  | | | | | | | | | | | | | |
| i. Was the manure---. . . . . . | 1 Produced on this operation?  2 Purchased?  3 Obtained at no cost off this operation?  4 Obtained with compensation? (*Operator*  *received payment for accepting the manure*.) | | | | | | | . . . . . . . . . . . . . . . | | |  | | |
| **CODE** | | |
| 0260 | | |
| **[*If item 15i = 2, ask*---]** | | | | | | | | | | | | | | |

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

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

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| **[*If YES, ask---*]** |

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|  | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **TOTAL DOLLARS** |
| (ii) What was the total cost paid to have manure custom applied to this field? [*Do not report custom application cost if it was included with the purchased manure cost.*]. . . . . . . . . . . . . . . . . | 0287 | **.\_\_\_ \_\_\_** |  | 0288 |

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|  |  | **CODE** |
| k. Was any manure that was applied to this field tested for nutrient content  prior to application?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0261 |
| l. 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** |
| m. Did you adjust the cotton harvest date for this field due to the  application of manure?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0280 |

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| 16. **Were the manure APPLICATION RATES to this field influenced by Federal,**  **State, or local restrictions?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | | **CODE** |
| **YES = 1** | | 0264 |
| **[*If item 16 is YES, ask---*]** | | |  |
| a. What basis was used to determine these manure application rate restrictions-- | | | **CODE** |
| (i) Nitrogen requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0265 |
| (ii) Phosphorus requirement of the crop?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0266 |

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| 17. **Was compost applied to this field for the 2019 cotton crop?**  **YES** - [*Enter code 1 and continue*]  **NO** - [*Go to item* 18]. . . . . . . . . . . . . . . . . . . . . . . . . . | **CODE** |
| 0267 |

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| a. How many acres in this field was the compost applied?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | | 0268 | | **.\_\_\_** |
|  | | | | | | | | | | |
| b. What was the amount of compost  applied to this field?. . . . . . . . . . . . . |  |  | **CODE** |  | **UNITS PER ACRE** | | **OR** | **TOTAL UNITS** | | |
| 1 Tons  2 Cubic Yards |
| . . | 0269 | **AND** | 0270 | **.\_\_\_ \_\_\_** |  | 0271 | **.\_\_\_** | |

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|  | | | **[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 (*municipal sludge*)?  8 Food waste?  9 Crop? [*Specify:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ]  10 Other? [*Specify:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ] | . . . . . . . . . . | **FIRST** |
| 0281 |
| **SECOND** |
| 0282 |
| **THIRD** |
| 0283 |

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

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| **[*If item 17d = 2, ask*---]** |

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

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

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| **[*If YES, ask---*]** | | | | | |
|  | **DOLLARS & CENTS PER ACRE** | | **OR** | **TOTAL DOLLARS** | |
| (a) What was the total cost paid to have compost custom applied to this field? (***Include*** *operator, landlord, and contractor costs.)* [*Do not report custom application cost if it was included with the compost cost*.] | 0276 | **.\_\_\_ \_\_\_** |  | 0277 | |
| **[If item 17d = 1, ask--]** | | | | **MILES** | |
| (iii) What is the distance between the compost storage/production location and this field?. . . . . . . | | | | 0291 | **.\_\_\_** |
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| 18. **Compared to the last time you planted cotton, did you make any of the following changes to your cropping practices with the intent of reducing commercial fertilizer use?** |

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|  | | | **CODE** | |
| a. Change the type of commercial fertilizer products applied on this field  [e.g. less anhydrous ammonia and more urea]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES=1** | | 1226 | |
| b. Manage fertilizer use more closely, with such practices as soil testing, split applications, variable rate applications, or soil incorporation on this field?. . . . . . . . . . . . . . . . . . . . . . . | **YES=1** | | 1228 | |
| c. Change your crop rotation [e.g. plant cotton on this field rather than usual crop rotation]? | **YES=1** | | 1227 | |
| d. Reduce the application of commercial nitrogen fertilizer?. . . . . . . . . . . . . . . . . . . . . . . . . | **YES=1** | | 1224 | |
| **[*If YES, ask--*]** | | | **PERCENT** | |
| (i) By what percent did you reduce the amount of commercial nitrogen fertilizer  applied for 2019?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 1225 | |

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| **NOTES** |
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| **D** | **BIOCONTROL or PESTICIDE APPLICATIONS---**SELECTED FIELD | **D** |

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| **Now I have some questions about all the biocontrols or pesticides used on this field for the 2019**  **cotton crop, including both custom applications and applications made by this operation.** |

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|  |  | **CODE** | **EDIT TABLE** |
| 1. **Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this cotton field for the** **2019 crop?** . . . . . . . . . . . . . | **YES = 1** | 0302 | 0300 |

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| [*Probe for applications in the fall of 2014 (and those made earlier if this field was fallow)*.] | | | | | | | | | | | | | | | | | | |
| **If no biocontrols or pesticides applied, go to Section E.** | | | | | | | | | | | | | | | | | |
| **Include** defoliants, fungicides, herbicides,  insecticides, and other pesticides. | | | | **Exclude** nutrients or fertilizers reported  earlier and seed treatments. | | | |  | | | | |  | |  | | | |
| **Include** biological and botanical pesticides. | | | |  | | | |  | **OFFICE USE**  **LINES IN TABLE** | | | | **TABLE**  **001** | | 0399 | |  | |
|  | | | | | | | | | |  | | | | | | | | |
| **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 Ounces  28 Dry Ounces  30 Grams | | |
|  | **01** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **02** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **03** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **04** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **05** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **06** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **07** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **08** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **09** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **10** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **11** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **12** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **13** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
|  | **14** | 61 |  | | 63 | 64 | 65 | | | | **.\_\_\_ \_\_\_** | 73 | | **.\_\_\_ \_\_\_** | | 74 | | |
| 2. [*For biocontrols or pesticides not listed in Respondent Booklet, specify*---] | | | | | | | | | | | | | | | | | | |

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| **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.*] |
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|  | **APPLICATIONS CODES for column 9** | |  | | [**ENUMERATOR NOTE**:  Use these columns only if  TOTAL COST  (*item 4 on next page*)  cannot be provided.] |  |
|  | 1 Broadcast, ground without incorporation  2 Broadcast, ground with incorporation  3 Broadcast, by aircraft  4 In seed furrow  5 In irrigation water | 6 Chisel/injected or knifed in  7 Banded in or over row  8 Foliar or directed spray  9 Spot treatments |  | |  |
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|  | **9** | **10** | | **11** | **12** |  | **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? |  |  | | **UNIT CODE** | |
| **DOLLARS & CENTS**  **PER UNIT** | | 1 Pounds  12 Gallons  13 Quarts  14 Pints | 15 Liquid Ounces  28 Dry Ounces  30 Grams |
| **ACRES** | | **NUMBER** |  |  |
| **01** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **02** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **03** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **04** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **05** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **06** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **07** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **08** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **09** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **10** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **11** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **12** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **13** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |
| **14** | 76 | 77 | **.\_\_\_** | 79 | 80 |  | 81 | **.\_\_\_ \_\_\_** | 82 | |

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

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| **YES** – [*Continue*] | **NO** – [*Go to item 4*] | | | | | | | | **OFFICE USE** | | | |
| a. Are you able to report the cost of chemical, biocontrol, and pesticide products and custom application separately? | | | | | | | | | 0324 | | | |
| **YES** – [*Continue*] | **NO** – [*Go to item 4*] | | | | | | | | | | | |
| b. Excluding the cost of the chemical, biocontrol, and pesticide products,  how much was spent for custom application of such materials on this field? (***Include*** *operator, landlord, and contractor costs.*). . . . . . . . . . . . . . . . . . . | | | | **DOLLARS & CENTS**  **PER ACRE** | | | | **OR** | **TOTAL DOLLARS** | | | |
| 0331 | **.\_\_\_ \_\_\_** | | |  | 0332 | | | |
| 4. **What was the TOTAL COST of all chemical, biocontrol, or pesticide**  **products applied to this field?** (***Include*** *operator, landlord, and contractor costs, defoliants, herbicides, insecticides, fungicides, surfactants, wetting agents, growth regulators, and materials applied before planting and during 2014 fallow period.* ***Exclude*** *seed treatments.*). . . . . . . . . . . . . . . . . . . . . . . . . | | | | **DOLLARS & CENTS**  **PER ACRE** | | | | **OR** | **TOTAL DOLLARS** | | | |
| 0334 | **.\_\_\_ \_\_\_** | | |  | 0335 | | | |
| a. How much was spent for **herbicide** products applied to this field?  (***Include*** *operator, landlord, and contractor costs.*). . . . . . . . . . . . . . . . . . . | | | **DOLLARS & CENTS**  **PER ACRE** | | | | | **OR** | | | **TOTAL DOLLARS** |
| 3034 | | | **.\_\_\_ \_\_\_** | |  | | | 3035 |
| b. How much was spent for **insecticide** products applied to this field?  (***Include*** *operator, landlord, and contractor costs.*). . . . . . . . . . . . . . . . . . . | | | **DOLLARS & CENTS**  **PER ACRE** | | | | | **OR** | | | **TOTAL DOLLARS** |
| 3036 | | | **.\_\_\_ \_\_\_** | |  | | | 3037 |
|  | | | | | | | | | | | | |
| **NOTE 1**: *If respondent cannot report TOTAL COST, itemize cost for each product in optional columns in Biocontrol or Pesticide Table.* | | | | | | | | | | | | |
| **NOTE 2**: *If custom applied and the costs for materials can be separated from application costs, include the cost for materials only.*  *Otherwise, report both the material and application costs in item 4*. | | | | | | | | | | | | |
|  | | | | | | | | | | | |
| 5. **Was the cotton that was grown in this field in 2019 covered by**  **the boll weevil eradication program (BWEP)?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | **YES = 1** | | | 0325 | |
| [**If YES, ask--**] | | | | | | |  | | | **CODE** | |
| a. What phase has the eradication program reached  in this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1 Active eradication phase?  2 Post-eradication phase? | | | | | . . . . . . | | | 0336 | |

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| b. For 2019, what was your assessment on this field to participate in the BWEP: (***Include*** *operator, landlord and contractor charges for 2019.). . .* | **DOLLARS & CENTS**  **PER ACRE** | | **OR** | **DOLLARS & CENTS PER BALE** | |
| 0337 | **.\_\_\_ \_\_\_** |  | 0338 | **.\_\_\_ \_\_\_** |

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| c. How did the level of secondary cotton pests in 2019 compare with the level prior to participating in the BWEP? (e.g. best armyworm; budworms; plant bugs; or aphids). . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1 Increased?  2 Decreased?  3 No Change? |  | **CODE** | |
| . . . . . . | 0339 |  |

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| **ASK FOR CALIFORNIA AND TEXAS ONLY** |

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|  | | |  | | | **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 the costs on this field to participate in the PBWP?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0342 | **.\_\_\_ \_\_\_** | |  | 0343 | | **.\_\_\_ \_\_\_** |

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| (***Include*** *operator, landlord, and contractor costs per acre and/or per bale charges for this year’s cotton. 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, your landlord, or your contractor paid*.) |

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

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| **Now I have some questions about your pest management decisions and practices**  **used on this field for the 2019 cotton crop. By pests, we mean WEEDS, INSECTS, and DISEASES.** | | |  | |  |  |
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|  | | | | | | |
| **ENUMERATOR ACTION:** *Were PESTICIDE applications reported in Section D?*] | | | | | | |
| **YES** – [*Continue*] | **NO** – [*Go to item 6*] | | | | | |
|  | | | | **CODE** | | |
| 1. **Was weather data used to assist in determining either the need or when to make pesticide applications?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 0800 | | |

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| 2. **Were any biological pesticides such as Bt** (*Bacillus thuringiensis*)**, insect growth regulators, neem or other natural/biological based products sprayed or applied to manage pests in this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** |  |
| 0801 |

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| 3. **Were pesticides with different mechanisms of action rotated or tank mixed for the primary purpose of keeping pests from becoming resistant to pesticides?** . . . . . . . . . . . . | **YES = 1** |  |
| 0802 |
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| [**ENUMERATOR ACTION*:*** *Were HERBICIDE* (pesticide product codes 40000-49999)  *applications reported in Section D, item 1, column 2?*] | | | |
| **YES** – [*Continue*] | **NO** – [*Go to item 6*] | | |
| 4. **Were herbicides applied to this cotton field BEFORE weeds emerged?**. . . . . . . . . . . . . . | | **YES = 1** |  |
|  | |  | 0803 |

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| 5. **Were herbicides applied to this cotton field AFTER weeds emerged?** . . . . . . . . . . . . . . . | **YES = 1** |  |
| 0805 |

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|  | | |  |
| 6. **In 2019, how was this field**  **primarily scouted for insects,**  **weeds, diseases, and/or beneficial**  **organisms?** . . . . . . . . . . . . . . . . . . . . . . . . . | 1 By deliberately going to the field specifically for scouting activities [*Enter code 1 and go to item 7.*]  2 By conducting general observations while performing routine tasks [*Enter code 2 and go to item 9*.]  3 This field was not scouted.  [*Enter code 3 and go to item 14.*] |  | **CODE** |
| . . . . | 0808 |
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| 7. **Was an established scouting process** (*systematic sampling, recording counts, etc*.) **used**  **or were insect traps used in this field?** [***Exclude*** *traps checked as part of either BWEP or PBWP.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **YES = 1** | 0809 |
| a. Did you measure the damage of budworm or bollworm infestations on this field? | | | **YES = 1** | 2450 |
| **[If item 7a = 1, ask--]** | | |  | **COUNT** |
| b. If traps were used, what was the average insect count per acre?. . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | 2451 |
|  | | |  |  |
| (i) If boll damage scores were recorded (1 to 4), what  was the average boll damage score per acre?. . . . . . . . . | 1 Damage in 1 locule  2 Damage in 2 locules  3 Damage in 3 locules  4 Damage in all locules  5 Not applicable | . . . . . . . . | | **CODE** |
| 2452 |
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| 8. **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 |
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| 1 | | 2 | 3 | | |
| 9. **Was this cotton field scouted for--** | **YES = 1** | [*If* ***YES****, ask--*-]  **What 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 | | |
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| [*If* *scouted by crop consultant or commercial scout, ask item 10;*  *else go to item 11.*] |  | | |  |  |
| *10.* **How much was charged for the scouting services for this field?**  [***Include*** *operator, landlord and contractor cost*.]. . . . . . . . . . . . . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | **TOTAL DOLLARS** |
| 0821 | **.\_\_\_ \_\_\_** | |  | 0822 |
|  | | | | | **OFFICE USE** |
| a. [*If scouting performed at no cost, explain*:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_] | | | . . . . . | | 0333 |
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| 11. **Were written or electronic records kept for this field to track the activity or numbers of weeds, insects or diseases?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** |
| 0823 |
|  |  |  |
| 12. **Were scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests in this field?** . . . . . . . . | **YES = 1** | 0824 |
|  |  |  |
| 13. **Did you use field mapping of previous weed problems to assist you in making weed management decisions?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0825 |

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| 14. **Did you do any of the following other type(s) of pest management practices for the specific  purpose of managing or reducing the spread of pests in this field?**  [*Enter code “1” for all that apply*.] | | **CODE** |
| a. Use the services of a diagnostic laboratory for pest identification or soil plant tissue pest analysis for this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0841 |
| b. Plow down crop residue (*using conventional tillage*)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0842 |
| c. Remove/burn down crop residue?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0843 |
| d. Rotate crops in this field during the past three years?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0844 |
| e. Maintain ground covers, mulches, or other physical barriers?. . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0845 |
| f. Choose crop variety because of specific resistance to a certain pest?. . . . . . . . . . . . . . . | **YES = 1** | 0846 |
| g. Use no-till or minimum till?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0847 |
| h. Plan planting locations to avoid cross infestation of pests?. . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0848 |
| i. Adjust planting or harvesting dates?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0849 |
| j. Chop, spray, mow, plow, or burn field edges, lanes, ditches, roadways, or fence lines?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0850 |
| k. Clean equipment and field implements after completing field work to reduce the spread of pests?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0851 |
| l. Adjust row spacing, plant density or row directions?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0852 |
| m. Have the seed treated for insect or disease control after you purchased the seed for this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0854 |
| n. Maintain a beneficial insect or vertebrate habitat?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0855 |
| o. Maintain buffer strips or border rows to isolate 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 |
| q. Plant earlier or later to avoid weeds? . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0865 |
| 15. **Were any beneficial organisms** (insects, nematodes, fungi) **applied**  **or released in this field to manage pests?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0853 |
| 16. **Were floral lures, attractants, repellants, pheromone traps or other biological pest** **controls used on this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0858 |

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| **[If item 15 or item 16 is YES, ask--]** | |  | | |  | |  | |
| a. **What were the TOTAL materials and application costs**  **for all biological pest controls for this field*?***  ***Include*** *operator, landlord, and contractor costs.* ***Include*** *cost for beneficial organisms (insects, nematodes, and fungi).*  ***Exclude*** *biological pesticides previously reported.. . . . . . . . . . . . . . . . . .* | | **DOLLARS & CENTS**  **PER ACRE** | | | **OR** | | **TOTAL DOLLARS** | |
| 0859 | | .\_\_\_ \_\_\_ |  | | 0860 | |

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|  | | **CODE** | |
| 17. **Was a trap crop** (*excluding fallow*) **grown to help manage insects in this field?** . . . . . . . . | **YES = 1** | 0863 | |
|  |  | | **CODE** |
| 18. **Was this field left in fallow in 2014 to help manage insects on this field?** . . . . . . . . . . . . | **YES = 1** | 0864 | |

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| 19. **Were water management practices such as irrigation scheduling, controlled**  **drainage, or treatment of retention water used on this field to manage pests**  **or toxin-producing fungi and bacteria?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** |  |
| 0861 |
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| --- | --- | --- |
| 20. **Did you cultivate this field for weed control?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2453 |
| **[If YES, ask---]** | | **NUMBER** |
| a. How many times?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 2454 |

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|  |  | **CODE** | | |
| 21. **Did pests** (weeds, insects, pathogens, animals) **cause any yield loss on this field in spite of your pest control efforts?**  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0827 | | |
| **[If YES, ask---]** | | |  |

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|  |  |  | **CODE** |  | **UNITS PER ACRE** |  | **TOTAL UNITS** |
| a. How much yield loss do you think was caused by all pests on this field in spite of the management practices you used to reduce those losses?. . . . | 1 Bales  2 Pounds | . . . | 0828 | **AND** | 0829 | **OR** | 0830 |
|  | | | | | | | **NUMBER OF YEARS** |
| 22. If you used Bt seeds on this field in 2019, indicate the number of consecutive years you have planted Bt seeds. [***Note:*** *A producer who used Bt cotton in* *2015 and 2014, but conventional cotton in 2013, has used Bt cotton for “2” consecutive years.*] . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | | | | 0831 |
| **[If 22 is greater than 1, ask---]** | | | | | | | **YEAR** |
| a. If you have ever switched from a Bt seed with a single mode of action to a Bt seed with multiple (pyramided) modes of action, indicate the year that this change was made.. . . . . . . . . . . . . . . . . . | | | | | | | 0832  \_\_\_ \_\_\_ \_\_\_ \_\_\_ |

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|  | | **CODE** |
| 23. **Have you ever planted any glyphosate-resistant (GR) crop**  **(e.g. Roundup Ready corn or soybeans) on this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0867 |

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| **[If item 23 = YES, continue. If item 23 = NO, go to Section F.]** | | | **YEAR** |
| a. What year did you first plant any GR crop on this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0868  \_\_\_ \_\_\_ \_\_\_ \_\_\_ |
|  | | | **CODE** | |
| 24. **Have you noticed a decline in the effectiveness of glyphosate** (e.g. Roundup) **in controlling weeds in this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0834 | |
| **[If item 24 = YES, continue. If item 24 = NO, go to item 27.]** | | | **YEAR** | |
| a. What was the first year you noticed a decline in effectiveness of glyphosate in  controlling weeds on this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | 0835  \_\_\_ \_\_\_ \_\_\_ \_\_\_ | |
| 25. **After noticing the decline in the effectiveness of glyphosate in controlling weeds on**  **this field, did you--** | | | **CODE** | |
| a. stop planting GR crops?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0837 | |
| b. change tillage practices?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0839 | |

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| 26. **After noticing the decline in the effectiveness of glyphosate in controlling weeds on this field, how did**  **you change your use of--** | | | | | | |
|  |  |  |  |  |  |
|  | **Increase Use** | **Decrease Use** | **Discontinue use** | **Did not change use** | **Did not use the chemical at all** |
|  | **YES = 1** | **YES = 1** | **YES = 1** | **YES = 1** | **YES = 1** |
| a. glyphosate. . . . . . . . . . . . . . . . . . | 1840 | 1847 | 1854 | 1861 | 1868 |
| b. fluometuron. . . . . . . . . . . . . . . . . . | 1841 | 1848 | 1855 | 1862 | 1869 |
| c. acetochlor/S-metolachlor. . . . . . . | 1842 | 1849 | 1856 | 1863 | 1870 |
| d. paraquat. . . . . . . . . . . . . . . . . . . . | 1843 | 1850 | 1857 | 1864 | 1871 |
| e. 2, 4-D. . . . . . . . . . . . . . . . . . . . . . | 1844 | 1851 | 1858 | 1865 | 1872 |
| f. diuron. . . . . . . . . . . . . . . . . . . . . . | 1845 | 1852 | 1859 | 1866 | 1873 |
| g. herbicides other than those asked above. . . . . . . . . . . . . . . . . . . . . . | 1846 | 1853 | 1860 | 1867 | 1874 |

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| 27. **Considering each year you planted a GR crop on this field, have you ever used the following practices in order to reduce the rate that glyphosate resistance develops in weeds on this field?** | | | | | |
| **1** | **2** | **3** | | **4** | |
| **RESISTANCE MANAGEMENT PRACTICE** |  | **How often did you use this practice on this field?** | | **Did the cost of managing weeds on this field increase as a result of your use of the practice?** | |
|  |  |  | **1 Every Year**  **2 Every Other Year**  **3 Multiple Years**  **4 One Year** |  | **1 Yes**  **2 No**  **3 Don’t Know** |
|  | **YES = 1** | **CODE** | | **CODE** | |
| a. Control weeds early | 0886 | 2871 | | 0878 | |
| b. Control weed escapes | 0887 | 2872 | | 0879 | |
| c. Clean equipment between moving from one field to the next | 0888 | 2873 | | 0880 | |
| d. Use herbicides other than glyphosate | 0889 | 2874 | | 0881 | |
| e. Use tillage | 0890 | 2875 | | 0882 | |
| f. Use the herbicide label recommended application rate | 0891 | 2876 | | 0883 | |
| g. Rotate crops | 0892 | 2877 | | 0884 | |

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| **[If item 27 column 2 contains at least one “1”, ask: otherwise go to Section F.]** |

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| 28. **Considering the above practices (i.e. a-g) do you believe resistance management practices are or would be more effective in reducing the rate that herbicide resistance develops in weeds on this field if operators of nearby farms also use them?** . . . . . . . . . . . . . . . . . . . . | 1 – Yes  2 – No  3 – Don’t Know  4 – The nearest farm is too far  away to affect this field | . . . . . . . |  |
| **CODE** |
| 0088 |

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|  | **Completion Code for**  **Pest Management Data** | |
|  | 1 Incomplete/Refusal | 0500 |

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

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| --- | --- | --- | --- |
| 1. **Including custom operations, I need to list field work performed**  **by machines on this field for the 2019 cotton crop. Please…** | | |  |
| **CHECK LIST** |
| ► begin with the first field operation after harvest of previous crop,  including operations for a cover crop established since the previous crop  harvested [*if fallow during* 2014*, list operations starting*  *with fall* *2013*]; | | | **Include** all field work using machines for---  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 &  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  5 Paid Full-time Worker  6 Custom Applicator |  |
|  |  |
|  | **OFFICE USE**  **LINES IN TABLE** |
| 0499 |

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|  |  |  |  |  | **[IF CUSTOM (*column 5 = code 6* ), *skip columns 6-11*]** | | | | | | | |
|  | **2** | **3** | **4** | **5** | **6** | **7** | **8 OR 9** | | | **10** | | **11** |
| **L**  **I**  **N**  **E** | **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 unit 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, module building, or hauling?**  [*Example: backhoes, disk border maker, ditcher, rear mounted blade, trucks, wagons, forklifts, etc.*] | **Which Power Source**  **was used?** **1/**  **Tractors:**  1= (<40 HP)  2= (40-99 HP)  3= (100-149 HP)  4= (150-199 HP)  5= (>=200 HP)  **Other:**  66=Animal Drawn  77=Pick-up  99=Self Propelled  **1/** | | **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.** | **No.** |  | **CODE** | **CODE** |  | **CODE** | **ACRES** | | **HOURS** | **CODE** | | **CODE** |
| **01** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **02** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **03** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **04** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **05** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **06** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **07** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **08** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **09** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **10** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **11** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **12** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **13** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **14** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **15** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **16** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **17** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **18** | 87 |  | 88 | 89 | 90 | 91 | 92 | **.\_\_\_** | 93 | 94 | | 95 |
| **1/** *If trucks other than pick-ups are used as the power source, use truck codes in Respondent Booklet.* | | | | | | | | | | | **OFFICE USE** | |
|  | | | | | | | | | | | 0400 | |

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| 2. **Now** **I need some additional information about your labor.** |

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| Please report the paid and unpaid labor that worked on this field to produce the 2019 cotton crop.  (***Exclude*** *labor that was reported for field work performed by machines.*) |

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|  | **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** | | | performing  other work  by hand?  **HOURS** | |
| You (*the operator*) | 1101 |  | | 1102 | |  | 1103 |  |
| Partner(s) | 1104 |  | | 1105 | |  | 1106 |  |
| Unpaid workers | 1107 |  | | 1108 | |  | 1109 |  |
| Paid part-time or seasonal workers  (***Exclude*** *custom and contract labor*) | 1110 |  | | 1111 |  | | 1112 |  |
| Paid full-time workers  (***Exclude*** *custom and contract labor*) | 1113 |  | | 1114 |  | | 1115 |  |
|  |  | |  | | | | | |

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| --- | --- | --- | --- |
|  | | **DOLLARS & CENTS**  **PER HOUR** | |
| 3. **What was the average hourly wage rate paid to part-time or seasonal hired workers?**  (***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . . . . . . . . . . . . . . . . . . . . . . | 1119 | | **.\_\_\_ \_\_\_** |

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| --- | --- | --- | --- |
|  | | **DOLLARS & CENTS**  **PER HOUR** | |
| 4. **What was the average hourly wage rate paid to full-time hired workers?**  (***Exclude*** *custom and contract workers, payroll taxes and benefits.*). . . . . . . . . . . . . . . . . . . . . . . . . . | 1118 | | **.\_\_\_ \_\_\_** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | | **CODE** | |
| 5. **Was any contract labor used on this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1116 | |
| **[If YES, ask ---** | | **DOLLARS & CENTS**  **PER ACRE** | | |
| a. What was the average cost per acre for this contract labor?  (***Include*** *operator, landlord, and contractor costs*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 1117 | **.\_\_\_ \_\_\_** |

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| --- | --- |
|  | **PERCENT** |
| 6. **What percent of the total number of unpaid hours worked on this field was performed by workers under 16 years of age?** (*Estimates of labor costs for unpaid workers are based on*  *off-farm wage rates, which are different for workers under 16 relative to those 16 and older.*) . . . . . . | 1120 |

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| --- | --- | --- |
| 7. **Now I need some information on how much was spent** (or will be spent) **for custom services used on this**  **field for the 2019 cotton crop.** | | |
|  | | |
| 🗸 | 1  **CUSTOM SERVICE**  **Which of the following services were performed**  **for the 2019 cotton crop on this field?**  🡨 [*Check box for each service performed; refer to item 1 if necessary*.] | 2  **Including**  **operator, landlord,**  **and contractor costs,**  **how much was spent**  **for** [*column 1*] **on**  **this field for the 2019**  **cotton crop?**  **DOLLARS & CENTS**  **PER ACRE** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | a. Custom land preparation and/or shaping  \_\_ \_\_**.\_\_** **\_\_** **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 hauled from field ÷ Acres harvested 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 ÷ Acres harvested in field = Dollars & cents per acre) . | 1126 | **.\_\_\_ \_\_\_** |
|  | [*If custom harvesting, module building, and hauling from field to gin 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 ÷ Acres harvested in field = Dollars & cents per acre) . | *2127* | **.\_\_\_ \_\_\_** |
| [***Note:*** *Do not report cotton ginning costs. If harvesting, module building, and/or hauling costs cannot be separated from ginning costs, report the*  *nonresponse code (-1) for those costs that cannot be separated.*] | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| 8. **Did you hire any technical or consultant services to make recommendations**  (*such as for nutrient, pest control, irrigation, or precision farming*) **for this field?**  **YES** – [*Continue*]  **NO** – [*Go to item 10*] | | | |
| Which of the following services did you obtain? | |  | **CODE** |
| a. Nutrient recommendations/management service?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1129 |
| b. Soil or tissue sample collection?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1130 |
| c. Pest control recommendations/management service?. . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 1131 |
| d. Pest scouting (***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 |

|  |  |  |  |  |  |
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| 9. **If YES to any of these services, what was the cost for all of these services?** (***Include*** *operator, landlord, and contractor costs.* ***Exclude*** *cost of*  *soil/tissue tests or scouting cost reported earlier*. *Do not report costs for any of these services if they were previously reported as part of the costs of materials and/or application.*). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | | | | |
| **DOLLARS & CENTS**  **PER ACRE OR** | | | **TOTAL DOLLARS** | |
| 1136 | **.\_\_\_ \_\_\_** |  | 1137 |  |

|  |  |  |
| --- | --- | --- |
|  | | **CODE** |
| 10. **Were there** (*or will there be*) **any data collection tools (yield monitors, GPS mapping, etc.) used during field operations on this cotton field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 2460 |

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| **[If YES, continue; else go to Section G]** |
| **Please report the data collection technologies you used on this field to produce this crop. Also indicate if the data is collected with Global Positioning System (GPS) coordinates and if the data will be used to create a map.** |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 1 | 2 | 3 |
| **Data Collection Tool** | **Tool Used** | **Collected with GPS** | **Data was/will be mapped to create a map** |
|  | **YES = 1** | **YES = 1** | **Yes = 1** |
| a. Yield monitor. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2461 | 2462 | 2463 |
| b. Soil tests on core sample (performed on-farm or sent out to a laboratory). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2464 | 2465 | 2466 |
| c. Soil sensor tests. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2467 | 2468 | 2469 |
| d. Hard-wired crop condition sensors. . . . . . . . . . . . . . . . . . . . . | 2470 | 2471 | 2472 |
| e. Wireless crop condition sensors. . . . . . . . . . . . . . . . . . . . . . . | 2473 | 2474 | 2475 |
| f. Drones, aircraft or satellites. . . . . . . . . . . . . . . . . . . . . . . . . . . | 2476 | 2477 | 2478 |
| g. Custom service applications (data from completed work on your field). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 2479 | 2480 | 2481 |
| h. Public data downloaded from online sources. . . . . . . . . . . . . | 2482 | 2483 | 2484 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11. **Please report how your farm data will be stored and accessed.** [*Enter code “1” for all that apply.*] | | | | |
| 1. Did you access the data collected for this field on a -- | | | **CODE** | |
| (i) Paper hard copy?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2485 | |
| (ii) Personal computer?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2486 | |
| (iii) Mobile device?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2487 | |
| 1. Did you access the data collected from this field through an agricultural technology   provider website?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2488 | |
| [*If item 11b = 1 continue, otherwise go to item 12.*] |  | |  | |
| 1. Did you opt-out of your agricultural technology provider website sharing data collected   From this field with any third party?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2489 | |
| 1. Did you share any of the data collected from this field with a third party through an agricultural technology provider website?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | | 2490 | |
| 12. **Did you obtain crop management recommendations** (data interpretation) **based on that data you collected from--** [*Enter code “1” for all that apply.*] | | | | |
| a. Input dealers?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 2491 |
| b. Integrated input providers?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 2492 |
| c. Custom service providers?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 2493 |
| d. USDA/University extension services?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 2494 |

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| --- | --- | --- | --- | --- | --- |
| 13. **Did you use the yield monitor information to---** | | |  | | **CODE** |
| (i) monitor crop moisture content to determine need for crop drying?. . . . . . . . . . . . . . . | | **YES = 1** | | 1140 | |
| (ii) add/improve tile drainage?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1141 | |
| (iii) negotiate new crop leases?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 1144 | |
| (iv) other uses [*specify:* ] \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | . . . . . . | **YES = 1** | | 1147 | |

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| 14. **Was any of the following GPS-enabled (Global Positioning System) equipment used to produce crops on this field?** [*Enter code “1” for all that apply*.] |  | **CODE** |
| a. Guidance auto-steering (excluding Light Bar)?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1148 |
| b. Light Bar?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1149 |
| c. Variable rate application for seeding?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1158 |
| d. Variable rate application for fertilizer/lime?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1152 |
| e. Variable rate application for pesticide applications?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1159 |
| f. “Smart” technologies like Google Glass or other head-up cab control displays?. . . . . . . . | **YES = 1** | 1150 |
| g. Other GPS-enabled equipment?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 1151 |

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

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| 1. **How many acres in this field were irrigated for the 2019 cotton crop?**  [*If none, go to* ***Conclusion***]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **ACRES** | |
| 1160 | **.\_\_\_** |
|  | | |
| 2. **Now, I have some questions about irrigation systems and water used on this field**  **for the 2019 cotton crop.** | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **↓** | | **UNIT** | **SYSTEM 1** | | **SYSTEM 2** | |
| a. What type(s) of irrigation system(s) was (*or were*) used to irrigate  this field? [*Show* ***System Type Codes*** *in the Respondent Booklet. Enter* ***System Type Code*** *for up to two systems covering the most field acres*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **SYSTEM**  **TYPE**  **CODE** | 1161 | | 1175 | |
| b. What was the total quantity of water applied to this field during  the entire growing season? (***Include*** *ALL water used from both on-farm and off-farm sources*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **INCHES**  **PER ACRE**  **OR**  **TOTAL**  **ACRE-FEET** | 1162 | | 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?**   99 **NO PUMP?**  [*If code 99, go to item* *j*.] | **CODE** | 1168 | | 1182 | |
| f. What was the average pumping rate?. . . . . . . . . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1169 | | 1183 | |
| g. [*If item 2a = code 1-9* (PRESSURE SYSTEM)*, ask---*]  What was the system operating pressure?. . . . . . . . . . . . . . . . . . . . . . | | **POUNDS**  **PER**  **SQUARE INCH** | 1170 | | 1184 | |
| h. What was the primary motor type  used to pump the water? | 1. **DIESEL** 2. **GASOLINE** 3. **LP GAS** 4. **NATURAL GAS** 5. **ELECTRICITY** 6. **SOLAR POWER** | **CODE** | 1171 | | 1185 | |
| i. What was the average motor size?. . . . . . . . . . . . . . . . . . . . . . . . . . . | | **HORSEPOWER** | 1172 | | 1186 | |
| j. [*If NO PUMP was used* (item 2e = 99)*, ask*---]  What was the average flow rate?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **GALLONS**  **PER MINUTE** | 1173 | | 1187 | |
| k. How many other acres on this operation were irrigated using this field’s irrigation system during the 2019 growing season? (***Exclude*** *this field*.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **ACRES** | 1174 | **.\_\_\_\_** | 1188 | **.\_\_\_\_** |

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

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| 4. **Was any water purchased to irrigate this field?** (***Include*** *landlord's share and purchases*  *from all sources*.)  **YES** – [*Enter code 1 and continue*.]  **NO** – [*Go to item* *5.*]. . . . . . . . . . . . . . . . . . . . . . | **CODE** |
| 1191 |

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| a. What was the total cost for the water purchased for this field  during the 2019 growing season? (***Include*** *operator, landlord, and contractor costs and ditch maintenance costs for this field*.). . . . . . . . . . . | **DOLLARS & CENTS**  **PER ACRE OR** | | | **TOTAL DOLLARS** |
| 1193 | **.\_\_\_ \_\_\_** |  | 1194 |

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| **[*If SIPHON TUBES were used* (item 2a = 10 or 11)*, ask*---]** | **TOTAL DOLLARS** |
| 5. **What would be the total cost to replace all the siphon tubes used on this field?** . . . . . . . . . . . . | 1201 |

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| **[*If POLY PIPE system was used* (item 2a = 14) *ask*---]** | **TOTAL DOLLARS** |
| 6. **What was the total amount spent for poly pipe used on this field during the**  **2019 growing season?** (***Include*** *operator, landlord, and contractor costs*.). . . . . . . . . . . . . . . . . . . . | 1202 |

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| **[*If GATED PIPE system was used* (item 2a = 15 or 16), *ask*---]** | **INCHES** |
| 7. **What was the average diameter of gated pipe used to irrigate this field?** . . . . . . . . . . . . . . . . . . | 1203 |
|  | **FEET** |
| a. What was the total length of gated pipe used?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 1204 |

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| 8. **Were wells used to supply irrigation water for this field?**  **YES** – [*Enter code 1 and continue*]  **NO** – [*Go to item 9*]. . . . . . . . . . . . . . . . . . . . . . . | **CODE** |
| 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 |
| c. What was the average pumping depth of these wells during the irrigation season?  [*Pumping depth is the depth to water at the start of the irrigation season, plus an average decline in the water level caused by pumping during the irrigation season*.]. . . . . . . . . . . . . . . . . . . . . . . . | **FEET** |
| 1208 |

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| d. Were other fields irrigated using water pumped from wells that supplied  water to the selected field?  **YES** – [*Enter code 1 and continue*]  **NO** – [*Go to item 9*]. . . . . . . . . . . . . . . . . . . . | **CODE** | |
| 1210 | |
| e. Excludingthis field,how many other acres on this operation were irrigated  using the same wells during the 2019 growing season?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **ACRES** | |
| 1211 | **.\_\_\_** |

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| 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 Conclusion*] | |
|  | **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 |

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| **NOTES** |
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|  | **CONCLUSION** |  |

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| **LOCATION OF SELECTED FIELD** | | | | | | | | |
| 1. **I need to locate the selected field of cotton on this map.** | | | **COUNTY NAME** | | | | **OFFICE USE**  **COUNTY FIPS CODE** | |
| 2. **What county is the selected 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* | | |
| 3. [**ENUMERATOR ACTION:** *Mark map to indicate where the selected cotton field is located*.   *Be sure the “X” marked on map is in the county identified above*.] | | | | | | | | |
| 4. **We will need additional information to complete this study. We will contact you in February**  **or March 2016 to collect it. I’ll call you then to set up a time that is good for you.** | | | | | | | | |

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| 5. **To receive the complete results of this survey on the release date, go to**  **www.nass.usda.gov/results/. Would you rather have a brief summary**  **mailed to you at a later date?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .** |  | **CODE** | |
| **YES** = **1** | 9990 | |
|  |  | **HH MM** | |
| 6. **ENDING TIME** [*MILITARY*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0005  \_\_ \_\_ \_\_ \_\_ | |
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| **RECORDS USE** | | | | | |
| 7. [*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 |
|  | | | | | **NUMBER** |
| **SUPPLEMENTS USED** | | | **FERTILIZER**  **APPLICATIONS** | | 0041 |
| 8. [*Record the total number of each type of supplement*  *used to complete this interview.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | **PESTICIDE**  **APPLICATIONS** | | 0042 |
|  | | | **FIELD**  **OPERATIONS** | | 0043 |
|  | | | | | |
| Reported by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9910  \_\_\_ \_\_\_ \_\_\_ \_\_\_ **15**  **M M D D** | 9911  Telephone: (\_\_\_\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_ | | | |

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| **OFFICE USE** | | | | | | | | | | | | | | | | |
| **R. Unit** | **Ptr 1 Str** | | **Ptr 2 Str** | | **Ptr 3 Str** | | | **Ptr 4 Str** | **OPS** | | | **SSO 1** | **ADJ** | **Optional Use** | | |
| 9921 | 9922 | | 9923 | | 9927 | | | 9928 | 923 | | | 9907 | 922 | 9906 | | 9916 |
| **Response** | | | | **Respondent** | | | **Mode** | | | | **Enum.** | | **POID** | | | |
| 1-Comp  2-R  3-Inac  4-Office Hold | | 9901 | | 1-Op/Mgr  2-Sp  3-Acct/Bkpr  4-Partner  9-Other | | 9902 | 2-Tel  3-Face-to-Face | | | 9903 | 9998 | | 9989  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_** | | | |
| **Eval.** | | **Change** | |
| 9900 | | 9985 | |