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| **AGRICULTURAL RESOURCE MANAGEMENT SURVEY** | | | |
|  | OMB No. 0535-0218  Approval Expires: XX/XX/XXXX  Project Code: 906 SMetaKey: 1344 | | |
|  |
| **SURVEY_LOGO_1:USDA_logo_bw.gif** | **http://nassnet/miso/PRIME_Center/Communication_Guidelines/Official_Logos/NASS%20Graphic/nass_logo_bw.jpg** | **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: 888-424-7828  Fax: 1-855-415-3687  E-mail: [nass@nass.usda.gov](mailto:nass@nass.usda.gov) |

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| **BARLEY PRODUCTION PRACTICES REPORT FOR** **2023** |

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| **VERSION**  **76** | **POID**  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_** | **TRACT**  **01** | **SUBTRACT**  **\_\_\_ \_\_\_** | **C-TYPE**  **114** |  |

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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*.]  We are collecting information on the practices used to produce barley and need your help to make the information as accurate as possible. The information you provide will be used for statistical purposes only. In accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal law, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every employee and agent has taken an oath and is subject to a jail term, a fine, or both if he or she willfully discloses ANY identifiable information about you or your operation. Response is voluntary.  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 35 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** | **FIELD SELECTION** | **A** |

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|  | **TOTAL PLANTED ACRES** | |
| 1. **How many acres of barley did this operation plant for the 2023 crop year?** | 0050  .\_\_\_ | |
| [*If no acres planted, review Screening Survey Information Form, make notes, then go to item 4 on back page***.**] | | |
| **I will follow a simple procedure to make a random selection from the Barley fields planted for the 2023 crop.** | |

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|  | **TOTAL NUMBER OF FIELDS PLANTED** |
| 2. **What is the TOTAL number of barley fields that were planted on this operation?**  [*If only one field, enter “1” and go to item 4*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | 0020 |
|  | |
| 3. **Please list these fields according to identifying name/number or describe each field.**  **Then I will tell you which field has been selected**. | |
| [*If there are more than 18 fields, make sure item 2 is TOTAL fields planted and list only the 18 fields closest to the operator’s permanent*  *residence. If respondent is unable to identify or describe the fields, use the Field Selection Grid Supplement.*] | |

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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 NUMBER’ LABEL HERE** |  | **OFFICE USE**  **OY Field Substituted** | | |
| 0022 | | |
|  | | |
|  | | | **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 1 field, enter 1*] *. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . .* | | | 0021 | |
|  | | |  | |
| 5. **The field selected is \_\_\_\_\_\_\_\_\_\_\_\_\_\_** (*field name/number/description*).  **During this interview, the Barley questions will be about this selected Barley field.**  *[Be sure the operator can identify the selected field.]* | | | | |
|  | | | **ACRES** | |
| 6. **How many acres of Barley were planted in this field for the 2023 crop?** . . . . . . . . . . . | | | 1301 | **.\_\_\_** |
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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 2023 Barley crop?** (**Include** those from operators, landlords, and contractors.). . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0202 | 0200 |
| [*If COMMERCIAL nutrient or fertilizer applied, continue, else go to* ***Section******D***.] | | | |
|  | | | **NUMBER** |
| 2. **How many commercial nutrient or fertilizer applications were made to this field for**  **the 2023 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 2022 and  those applied earlier if this field was fallow in 2022. | | 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** | | |
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|
| **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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| **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 2023 Barley crop including both custom applications and applications made by this operation.** | | | |
| 1. **Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on this Barley field for the 2023 crop**?  [*Probe for applications made in the fall of* *2022 (and those made earlier if this field was fallow)*.]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | **CODE** | **EDIT TABLE** |
| 0302 | 0300 |

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| **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 | **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** | | | | | | | |  | |
| 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** | |  |
| **L**  **I**  **N**  **E** | **How**  **was**  **this**  **product**  **applied?**  [*Enter code*  *from above*.] | **How many**  **acres in this**  **field were**  **treated with**  **this product?**  **ACRES** | | **How many**  **times was it**  **applied?**  **NUMBER** | | **Were these**  **applications made by –** | | |  |
| 1. Operator, partner or family member? 2. Custom applicator? 3. Employee/Other? | | |
| **01** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **02** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **03** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **04** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **05** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **06** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **07** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **08** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **09** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **10** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **11** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **12** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **13** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |
| **14** | 76 | 77 | **.\_\_\_** | 79 | | 80 | | |  |

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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 2023 Barley 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**10.*] | | |
|  | | | **CODE** |
| 1. **Was weather data used to assist in determining either the need or when**  **to make pesticide applications?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0800 |
| 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 |
| 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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| 4. **In 2023, how was this field**  **primarily scouted for insects,**  **weeds, diseases, and/or beneficial**  **organisms?** . . . . . . . . . . . . . . . . . . . . . . . . . | 1 By deliberately going to the field specifically for scouting activities [*Enter code 1 and go to item 11.*]  2 By conducting general observations while performing routine tasks [*Enter code 2 and go to item 13*.]  3 This field was not scouted.  [*Enter code 3 and go to item 11.*] |  | **CODE** |
| . . . . | 0808 |
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| 5. **Was an established scouting process** (*systematic sampling, recording counts, etc*.) **used**  **or were insect traps used in this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0809 |

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| 6. **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 |
| 7. **Was this Barley field scouted for--** | **YES = 1** | [If **YES**, ask—]  **What was the infestation level for** [column 1]? – | [*If column 1 =* ***YES****, ask---*]  **Who did the majority of the scouting**  **for** [*column 1*]--- |
| 1 Worse than normal  2 Normal  3 Less than normal  **CODE** | 1. Operator, partner or family member 2. An employee 3. Farm supply or chemical dealer 4. Independent crop consultant or   commercial scout  **CODE** |
| 1. weeds?. . . . . . . . . . . . . . . . . . . . . . . | 0812 | 0813 | 0814 |
| b. insects or mites?. . . . . . . . . . . . . . . | 0815 | 0816 | 0817 |
| c. diseases?. . . . . . . . . . . . . . . . . . . . . | 0818 | 0819 | 0820 |

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| --- | --- | --- |
|  | | **CODE** |
| 8. **Were records kept for this field to track the activity or numbers of weeds, insects or diseases?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0823 |
| 9. **Did you use published information on infestation thresholds to determine when to take measures to manage pests in field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0824 |
| 10. **Did you use field mapping of previous weed problems to assist you in making**  **weed management decisions?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0825 |

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| 11. **Did you do any of the following other types of pest management for the specific purpose of**  **managing or reducing the spread of pests in this field?** [*Enter code “1****”*** *for all that apply*.] | | **CODE** |
| a. Use the services of a diagnostic laboratory for pest identification  or soil plant tissue pest analysis for this field?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0841 |
| b. Plow down crop 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 3 years?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0844 |
| e. Maintain ground covers, mulches, or other physical barriers?. . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0845 |
| f. Choose crop variety because of specific resistance to 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  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 |

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|  |  | **CODE** |
| 12. **Were any beneficial organisms (insects, nematodes, fungi) applied**  **or released in this field to manage pests?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0853 |
| 13. **Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0858 |
| 14. **Was a trap crop** (*excluding fallow*) **grown to help manage insects in this field?** . . . . . . . | **YES = 1** | 0863 |
| 15. **Was this field left fallow in 2022 to help manage insects in this field?** . . . . . . . . . . . . . . | **YES = 1** | 0864 |
| 16. **Were water management practices such as irrigation scheduling, controlled**  **drainage, or treatment of retention water used on this field to manage for**  **pests or toxic producing fungi and bacteria?** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0861 |

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|  | Completion Code for Pest Management Data | |
|  | 1 Incomplete/Refusal | 500 |

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|  | **CONCLUSION** |  |

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|  | | | **CODE** |
| 1. **Would you like to receive a copy of the results of this survey in the mail?**  (Results will also be available on the Internet at <http://www.usda.gov/nass/>)…. . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES** = **1** | | 9990 |
|  | | **HH MM** | |
| 2. **ENDING TIME** [*MILITARY*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0005  \_\_ \_\_ \_\_ \_\_ | |
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| **RECORDS USE** | | | |
| 3. [*Did respondent use farm/ranch records to report---*] | | | **CODE** |
| a. [***fertilizer*** *data*?]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0011 |
|  | |  |  |
| b. [***pesticide*** *data?*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | 0012 |
|  | | | **NUMBER** |
| **SUPPLEMENTS USED** | **FERTILIZER**  **APPLICATIONS** | | 0041 |
|  |  | |  |
| 4. [*Record the total number of each type of supplement used to*  *complete this interview.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **PESTICIDE**  **APPLICATIONS** | | 0042 |

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| Reported by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9910  \_\_\_\_ \_\_\_\_ \_\_\_\_ \_\_\_\_ **22**  **M M D D** | 9911  Telephone(\_\_\_\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

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| **R. Unit** | **SSO 1** | | **Optional Use** | | | | **Eval.** | | **Change** | |
| 9921 | 9907 | | 9906 | | 9916 | | 9900 | | 9985 | |
| **Response** | | **Respondent** | | | | **Mode** | | | | **Enum.** |
| 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 |
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