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| Project 906 - ARMS Phase II QID 072013 | | OMB No. 0535-0218 Approval Expires 12/31/2011 | | | |
| SURVEY_LOGO_1:USDA_logo_bw.gif | **AGRICULTURAL RESOURCE MANAGEMENT SURVEY** | | | SURVEY_LOGO_2:ERS Logo.bmp | **NATIONAL**  **AGRICULTURAL**  **STATISTICS**  **SERVICE** |
|  | **FALL POTATOES**  **PRODUCTION PRACTICES REPORT** | | |  |  |
|  | **Draft for** **2015** | | U.S. Department of Agriculture,Rm 5030, South Building1400 Independence Ave., S.W.Washington, DC 20250-2000  Phone: 1-800-727-9540  Fax: 202-690-2090  Email: nass@nass.usda.gov | | |

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| **VERSION**  **9** | **ID**  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_ \_\_\_** | **TRACT**  **01** | **SUBTRACT**  **\_\_\_ \_\_\_** | **T-TYPE**  **0** | **TABLE**  **000** | **LINE**  **00** | **SURVEY_LOGO_4:ERS Logo.bmp** |

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

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| 1. **How many acres of fall potatoes did this operation plant for the** **2015 crop year?** . . . . . . . . . | **TOTAL PLANTED ACRES** |
|  | 0050  **.\_\_\_\_** |
| [*If no acres planted, review Screening Survey Information Form, make notes,*  *then go to item 4 on back page*.] | |
|  | |
| 2. **I will follow a simple procedure to make a random selection from the fall potato**  **fields planted for the** **2015 crop.** |  |
| **What is the TOTAL number of fall potato 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 NUMBER” LABEL HERE** |  | |
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| 4. [**ENUMERATOR ACTION:** *Circle the pair of numbers on the above label associated with*  *the last numbered field in item* 3*. Select the field according to the number you circled on*  *the label, and record the selected number. If only one field, enter 1.*]. . . . . . . . . . . . . . . . . . . . . . . . . . | | **SELECTED FIELD**  **NUMBER** |
|  | | 0021 |
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| 5.**The field selected is \_\_\_\_\_\_\_\_\_\_\_\_\_\_** (*field name/number/description*)**.**  **During this interview, the fall potato questions will be about this selected fall**  **potato field.** [*Be sure the operator can identify the selected field.*] |

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|  | **ACRES** |
| 6. **How many acres of fall potatoes were planted in this field for the 2015 crop?** . . . . . . . . . . . . . | 1301  **.\_\_\_\_** |

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|  | **OFFICE USE**  **OY Field Substituted** | |
|  | 0022 | |

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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 2015 fall potato crop?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0202 | 0201 |
| 2. [*If COMMERCIAL nutrient or fertilizer applied, continue; else go to Section D.*] | | | **NUMBER** |
| 3. **How many commercial nutrient or fertilizer applications were made to this field  for the 2015 crop?**  (***Include*** *applications made by airplanes and custom applicators*). . . . . . . . . . . . . . . . . . . . . . . . | | | 0203 |

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| 4. **Now I need to record information for each application.** | | | | | | |
| **CHECKLIST** | | | |  | | |
| **🗸** | **INCLUDE** | **🗸** | **EXCLUDE** |  | | |
| Custom applied nutrients  or 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 | |  |  |  |
| **T-TYPE**  **2** | **TABLE**  **001** |
| Commercially prepared  manure or compost | | Lime and gypsum/landplaster | | **LINE**  **99** | **OFFICE USE**  **LINES IN TABLE** | 0213 |

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|  | **NITROGEN CODES for COLUMN 2** | | | | | | | |  | **APPLICATION CODES for COLUMN 6** | | | | | | |  |
|  | 1 anhydrous ammonia  2 nitrogen solution (UAN)  3 urea  4 ammonium nitrate  5 sodium nitrate  6 ammonia sulfate | | | | 7 potassium nitrate, magnesium  nitrate, and calcium nitrate  8 other nitrogen fertilizer material  [*specify:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ ] | | | |  | 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*.]  [Refer to nitrogen code list above  for type of nitrogen used.] | | | | | | **3**  **What**  **quantity**  **was**  **applied**  **per**  **acre?**  [*Leave this*  *column blank*  *if actual nutrients*  *were reported.*] | | | **4**  [Enter  material  code.]  1 Pounds  12 Gallons  19 Pounds  of actual  nutrients | **5**  **When was**  **this applied?**  1 In the fall  before seeding  2 In the spring  before seeding  3 At seeding  4 After seeding | **6**  **How was**  **this**  **applied?**  [*Refer to*  *code*  *list above.*] | | **7**  **How many**  **acres were**  **treated**  **in this**  **application?**  **ACRES** | | |
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|
| **N**  Nitrogen | **P2O5**  Phosphate | **K2O**  Potash | | **S**  Sulfur | Type of  **N** used |
| **01** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **02** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **03** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **04** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **05** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **06** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **07** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |
| **08** | | 0205 | 0206 | 0207 | | 0214 | 0290 | 0208 | | | 0209 | 0210 | 0211 | | 0212 | **.\_\_\_** | |

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

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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 2015 fall**  **potato crop, including both custom applications and applications made by this operation.** |

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| 1. **Were any herbicides, insecticides, fungicides or other biocontrols**  **or pesticides used on this fall potato field for the 2015 crop?** [*Probe*  *for applications made in the fall of 2014* (and those made earlier if this field was  fallow).] . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  | **CODE** | **EDIT TABLE** |
| **YES = 1** | 0302 | 0301 |
| ***If no biocontrols or pesticides applied, go to******Section E****.* |  |  |  |

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| **Include** defoliants, fungicides, herbicides,  insecticides, and other pesticides. | | | | **Exclude** nutrients or fertilizers reported  earlier and seed treatments. | | | |  | **T - TYPE**  **3** | | | | **TABLE**  **001** |
| **Include** biological and botanical pesticides. | | | |  | | | | **LINE**  **99** | **OFFICE USE**  **LINE IN TABLE** | | | | 0319 |
|  | | | | | | | | | | | | | |
| **CHEMICAL**  **PRODUCT**  **NAME** |  | **2** | **3** | | **4** | **5** | **6 OR 7** | | | | | **8** | |
| **L**  **I**  **N**  **E** | **What products**  **were applied**  **to this field?**  [*Show product*  *codes from*  *Respondent*  *Booklet.*] | **Was this**  **product**  **bought in**  **liquid or dry form?**  [*Enter L or D*] | | **Was this**  **part of a**  **tank mix?**  [*If tank mix,*  *enter line*  *number of*  *first product*  *in mix*.] | **When**  **was this applied?**  1 BEFORE  planting  3 AT  planting  4 AFTER  planting | **How much**  **was applied**  **per acre**  **per**  **application?** | | | **What was**  **the total**  **amount**  **applied per**  **application**  **in this field?** | | [*Enter unit code.*]  1 Pounds  12 Gallons  13 Quarts  14 Pints  15 Liquid Ounces  28 Dry Ounces  30 Grams | |
|  | **01** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **02** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **03** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **04** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **05** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **06** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **07** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **08** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **09** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **10** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **11** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **12** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **13** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
|  | **14** | 0305 |  | | 0306 | 0307 | 0308 | **.\_\_\_ \_\_\_** | | 0309 | **.\_\_\_ \_\_\_** | 0310 | |
| 2. [*For 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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|  | **APPLICATION 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** |  |  | | | |
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| **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? |  |  | |  | |
|  | |  |  |
| **ACRES** | | **NUMBER** |  |  |
| **01** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **02** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **03** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **04** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **05** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **06** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **07** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **08** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **09** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **10** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **11** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **12** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **13** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |
| **14** | 0311 | 0312 | **.\_\_\_** | 0313 | 0316 |  |  |  |  | |

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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 2015 fall potato crop. By pests, we mean WEEDS, INSECTS, and DISEASES.** | |  | |  |  |
| **T-TYPE**  **0** | | **TABLE**  **000** | **LINE**  **00** |
|  | | | | | |
| 1. [**ENUMERATOR ACTION:** *Were PESTICIDE applications reported in Section D?*] | | | | | |
| **YES** – [*Continue*] | **NO** – [*Go to item 10* ] | | | | |
|  | | | **CODE** | | |
| 2. **Was weather data used to assist in determining either the need or when**  **to make pesticide applications?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | | | 0800 | | |

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| 3. **Were any biological pesticides such as Bt** (*Bacillus thuringiensis*)**, insect growth**  **regulators, neem or other natural/biological based products sprayed or applied**  **to manage pests in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** |  |
| 0801 |

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| 4. **Were pesticides with different mechanisms of action rotated or tank mixed**  **for the primary purpose of keeping pests from becoming resistant to pesticides?**. . . . . . **YES = 1** |  |
| 0802 |
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| 10. **In 2015, how was this field**  **primarily scouted for insects,**  **weeds, diseases, and/or beneficial**  **organisms?**. . . . . . . . . . . . . . . . . . . . . . . . . . . | 1 By deliberately going to the field specifically for scouting activities [*Enter code 1 and go to item 11.*]  2 By conducting general observations while performing routine tasks [*Enter code 2 and go to item 13*.]  3 This field was not scouted.  [*Enter code 3 and go to item 18.*] |  | **CODE** |
| . . . . . | 0808 |
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| 11. **Was an established scouting process** (*systematic sampling, recording counts, etc*.) **used**  **or were insect traps used in this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0809 |
| 12. **Was scouting for pests done in this field due to---** |  |  |
| a. a pest advisory warning?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0810 |
| b. a pest development model?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0811 |

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| 1 | | 2 | 3 |
| 13. **Was this fall potato 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 is* ***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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| 15. **Were written or electronic records kept for this field to track the activity**  **or numbers of weeds, insects or diseases?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** | **CODE** |
| 0823 |

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| 16. **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 |

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| 17. **Did you use field mapping of previous weed problems to assist you in making**  **weed management decisions?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **YES = 1** |  |
| 0825 |

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| 18. **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 fall potatoes  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** |
| 19. **Were any beneficial organisms** (*insects, nematodes, fungi*) **applied**  **or released in this field to manage pests?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0853 |
|  | | |
| 20. **Were floral lures, attractants, repellants, pheromone traps or other**  **biological pest controls used on this field?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | **YES = 1** | 0858 |

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| 21. **Was a trap crop** (*excluding fallow*) **grown to help manage insects in this field?**. . . . . . . . . | **YES = 1** | 0863 |
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| 23. **Were water management practices such as irrigation scheduling, controlled**  **drainage, or treatment of retention water used on this field to manage for pests**  **or toxic producing fungi and bacteria?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . |  |  |
| **YES = 1** | 0861 |
|  |  |  |
| 24. **Was protection of beneficial organisms a factor in your pest control decisions for this field?** |  |  |
| **YES** – [*Enter code 1 and continue*]  **NO** – [*Go to item 25*] . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0862 |
|  |  |  |
| a. Did you change timing of, reduce application rate of, or eliminate a pesticide application?. | **YES = 1** | 0866 |
| b. Did you change to an alternative pesticide, biocontrol, or non-pesticide practice?. . . . . . . . | **YES = 1** | 0867 |

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| 25. **Did you cultivate this field for weed control****?**. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **YES = 1** | | 0868 |
| a. [*If yes, ask---*]  How many times?. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | | | **NUMBER** |
| 0869 |
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| **CONCLUSION** |

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| 2. **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** | 0099 | |
|  |  | **HH MM** | |
| 3. **ENDING TIME** [*MILITARY*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | 0005  \_\_ \_\_ \_\_ \_\_ | |
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| **RECORDS USED** | | | | |
| 4. [*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 |
| 5. [*Record the total number of each type of supplement*  *used to complete this interview.*]. . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . | | **PESTICIDE**  **APPLICATIONS** | | 0042 |
|  | |  | |  |
|  | | | | |
| Reported by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Telephone: (\_\_\_\_\_\_)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |
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| **Response** | | **Respondent** | | **Mode** | | **Enum** | **Eval.** | **Date** | **Optional** | |
|  | |  | |  | |  |  | **MM DD YY** |  | |
| 1-Comp  2-R  3-Inac | 9901 | 1- Op/Mgr  2-Sp  3-Acct/Bkpr  4-Partner  9-Other | 9902 | 2-Tel  3-Face-to-Face | 9903 | 0098 | 0100 | 9910  **\_\_\_ \_\_\_ \_\_\_ \_\_\_ 10** | 0002 | 0003 |
| S/E Name | | | | | | | | | | |