



**AGRICULTURAL RESOURCE MANAGEMENT SURVEY
FALL POTATOES
PRODUCTION PRACTICES REPORT
for 2010**



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

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| VERSION | ID | TRACT | SUBTRACT | T-TYPE | TABLE | LINE |
|---------|-------|-------|----------|--------|-------|------|
| 9 | _____ | 01 | _____ | 0 | 000 | 00 |



| CONTACT RECORD | | |
|----------------|------|-------|
| DATE | TIME | NOTES |
| | | |
| | | |
| | | |

INTRODUCTION:
[Introduce yourself, and ask for the operator. Rephrase in your own words.]

We are collecting information on practices and costs to produce fall potatoes and need your help to make the information as accurate as possible. Authority for collection of information on the Fall Potatoes Production Practices Report is Title 7, Section 2204 of the U.S. Code. This information will be used for economic analysis and to compile and publish estimates for your region and the United States. 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**.

We encourage you to refer to your farm records during the interview.

BEGINNING TIME
 [MILITARY] 0004

SCREENING BOX
 0006

[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 |

FALL POTATOES FIELD SELECTION

TOTAL PLANTED ACRES

0050

1. How many acres of fall potatoes did this operation plant for the 2010 crop year?

[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 2010 crop.

TOTAL NUMBER OF FIELDS PLANTED

0020

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.]

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.]

FIELD NAME, NUMBER OR DESCRIPTION

FIELD NAME, NUMBER OR DESCRIPTION

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____
- 9 _____

- 10 _____
- 11 _____
- 12 _____
- 13 _____
- 14 _____
- 15 _____
- 16 _____
- 17 _____
- 18 _____

APPLY "RANDOM NUMBER" LABEL HERE

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

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.]

6. How many acres of fall potatoes were planted in this field for the 2010 crop?

ACRES
1301 _____

OFFICE USE
OY Field Substituted
0022

C NUTRIENT or FERTILIZER APPLICATIONS---SELECTED FIELD

| | | |
|--|-------------|-------------------|
| | CODE | EDIT TABLE |
| 1. Were commercial nutrients or fertilizers applied to this field for the 2010 fall potato crop? YES = 1 | 0202 | 0201 |

| | |
|--|---------------|
| 2. [If <i>COMMERCIAL</i> 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 2010 crop? (<i>Include applications made by airplanes and custom applicators</i>). | 0203 |

4. **Now I need to record information for each application.**

| CHECKLIST | | | T-TYPE | TABLE |
|--|---|-------------------|-------------------------------------|--------------|
| <input checked="" type="checkbox"/> INCLUDE <input type="checkbox"/> Custom applied nutrients or fertilizers <input type="checkbox"/> Nutrients or fertilizers applied in the fall of 2009 and those applied earlier if this field was fallow in 2009 <input type="checkbox"/> Commercially prepared manure or compost | <input checked="" type="checkbox"/> EXCLUDE <input type="checkbox"/> Micronutrients <input type="checkbox"/> Unprocessed manure <input type="checkbox"/> Nutrients or fertilizers applied to previous crops in this field <input type="checkbox"/> Lime and gypsum/landplaster | LINE 99 | 2 | 001 |
| | | | OFFICE USE LINES IN TABLE | 0213 |

| NITROGEN CODES for COLUMN 2 | |
|------------------------------------|---|
| 1 anhydrous ammonia | 7 potassium nitrate, magnesium nitrate, and calcium nitrate |
| 2 nitrogen solution (UAN) | 8 other nitrogen fertilizer material [specify: _____] |
| 3 urea | |
| 4 ammonium nitrate | |
| 5 sodium nitrate | |
| 6 ammonia sulfate | |

| APPLICATION CODES for COLUMN 6 | |
|---|--------------------------------|
| 1 Broadcast, ground without incorporation | 5 In irrigation water |
| 2 Broadcast, ground with incorporation | 6 Chisel/Injected or knifed in |
| 3 Broadcast, by aircraft | 7 Banded in or over row |
| 4 In seed furrow | 8 Foliar or directed spray |

| L I N E | 2 MATERIALS USED | | | | | 3 | 4 | 5 | 6 | 7 |
|----------------------------|--|-------------------|---------------|-------------|----------------|--|---|--|---|---|
| | [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.] | | | | | What quantity was applied per acre? [Leave this column blank if actual nutrients were reported.] | [Enter material code.] 1 Pounds 12 Gallons 19 Pounds of actual nutrients | When was this applied? 1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding | How was this applied? [Refer to code list above.] | How many acres were treated in this application? ACRES |
| | 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 |

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

NOTES

D BIOCONTROL or PESTICIDE APPLICATIONS---SELECTED FIELD

D

Now I have some questions about all the biocontrols or pesticides used on this field for the 2010 fall potato 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 fall potato field for the 2010 crop? [Probe for applications made in the fall of 2009 (and those made earlier if this field was fallow).]

| | |
|------|------------|
| CODE | EDIT TABLE |
| 0302 | 0301 |

YES = 1

If no biocontrols or pesticides applied, go to Section E.

| | | | |
|---|--|---------------|-------------------------------------|
| Include defoliants, fungicides, herbicides, insecticides, and other pesticides. Include biological and botanical pesticides. | Exclude nutrients or fertilizers reported earlier and seed treatments. | T - TYPE 3 | TABLE 001 |
| | | LINE 99 | OFFICE USE LINE IN TABLE 0319 |

| CHEMICAL PRODUCT NAME | LINE | 2 | 3 | 4 | 5 | 6 | OR | 7 | 8 |
|-----------------------|------|---|---|--|--|--|----|--|---|
| | | What products were applied to this field? <small>[Show product codes from Respondent Booklet.]</small> | Was this product bought in liquid or dry form? <small>[Enter L or D]</small> | Was this part of a tank mix? <small>[If tank mix, enter line number of first product in mix.]</small> | 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? | <small>[Enter unit code.]</small> 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---]

| LINE | Pesticide Type <small>(Herbicide, Insecticide Fungicide, etc.)</small> | EPA No. or Trade name and Formulation | Form Purchased <small>(Liquid or Dry)</small> | Where Purchased <small>[Ask ONLY if EPA No. cannot be reported.]</small> |
|-------|---|---------------------------------------|--|---|
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ | _____ |

APPLICATION CODES for column 9

| | |
|---|--------------------------------|
| 1 Broadcast, ground without incorporation | 6 Chisel/Injected or knifed in |
| 2 Broadcast, ground with incorporation | 7 Banded in or over row |
| 3 Broadcast, by aircraft | 8 Foliar or directed spray |
| 4 In seed furrow | 9 Spot treatments |
| 5 In irrigation water | |

| L I N E | 9 | 10 | 11 | 12 |
|------------------|---|---|--|--|
| | 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 | 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 |

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

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

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

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

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 nest 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 | 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 |

| | | CODE |
|--|---------|----------------|
| 19. Were any beneficial organisms (<i>insects, nematodes, fungi</i>) 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 |
| 21. Was a trap crop (<i>excluding fallow</i>) grown to help manage insects in this field? | YES = 1 | 0863 |
| 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 |
| <hr/> | | |
| 24. Was protection of beneficial organisms a factor in your pest control decisions for this field? | | |
| <input type="checkbox"/> YES – [Enter code 1 and continue] <input type="checkbox"/> 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 |
| 25. Did you cultivate this field for weed control? | YES = 1 | 0868 |
| a. [If yes, ask---] How many times? | | NUMBER 0869 |

CONCLUSION

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? YES = 1

CODE

0099

3. ENDING TIME [MILITARY].....

HH MM

0005

RECORDS USED

4. [Did respondent use farm/ranch records to report---]

a. [fertilizer data?]..... YES = 1

b. [pesticide data?]..... YES = 1

CODE

0011

0012

SUPPLEMENTS USED

5. [Record the total number of each type of supplement used to complete this interview.].....

FERTILIZER APPLICATIONS

NUMBER

0041

PESTICIDE APPLICATIONS

0042

Reported by: _____ Telephone: (____) _____

| Response | | Respondent | | Mode | | Enum | Eval. | Date | Optional | |
|----------|------|-------------|------|----------------|------|------|-------|----------|----------|------|
| | | | | | | | | MM DD YY | | |
| 1-Comp | 9901 | 1- Op/Mgr | 9902 | 2-Tel | 9903 | 0098 | 0100 | 9910 | 0002 | 0003 |
| 2-R | | 2-Sp | | 3-Face-to-Face | | | | | | |
| 3-Inac | | 3-Acct/Bkpr | | | | | | | | |
| | | 4-Partner | | | | | | | | |
| | | 9-Other | | | | | | _____ 10 | | |
| S/E Name | | | | | | | | | | |