



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



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

Draft for 2015

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



CONTACT RECORD		
DATE	TIME	NOTES

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.

BEGINNING TIME **H H M M**
[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 2015 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 2015 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.]

ACRES

6. How many acres of fall potatoes were planted in this field for the 2015 crop?

1301 .__

OFFICE USE
OY Field Substituted

0022

C NUTRIENT or FERTILIZER APPLICATIONS---SELECTED FIELD

<p>1. Were commercial nutrients or fertilizers applied to this field for the 2015 fall potato crop? YES = 1</p>	<p>CODE</p> <p>0202</p>	<p>EDIT TABLE</p> <p>0201</p>
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<p>2. [If <i>COMMERCIAL</i> nutrient or fertilizer applied, continue; else go to Section D.]</p> <p>3. How many commercial nutrient or fertilizer applications were made to this field for the 2015 crop? (<i>Include applications made by airplanes and custom applicators</i>).</p>	<p>NUMBER</p> <p>0203</p>
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4. **Now I need to record information for each application.**

CHECKLIST		T-TYPE	TABLE
<p><input checked="" type="checkbox"/> INCLUDE</p> <p><input type="checkbox"/> Custom applied nutrients or fertilizers</p> <p><input type="checkbox"/> Nutrients or fertilizers applied in the fall of 2014 and those applied earlier if this field was fallow in 2014</p> <p><input type="checkbox"/> Commercially prepared manure or compost</p>	<p><input checked="" type="checkbox"/> EXCLUDE</p> <p><input type="checkbox"/> Micronutrients</p> <p><input type="checkbox"/> Unprocessed manure</p> <p><input type="checkbox"/> Nutrients or fertilizers applied to previous crops in this field</p> <p><input type="checkbox"/> Lime and gypsum/landplaster</p>	<p>2</p>	<p>001</p>
<p>LINE</p> <p>99</p>		<p>OFFICE USE</p> <p>LINES IN TABLE</p>	<p>0213</p>

NITROGEN CODES for COLUMN 2	
1 anhydrous ammonia	7 potassium nitrate, magnesium nitrate, and calcium nitrate
2 nitrogen solution (UAN)	
3 urea	
4 ammonium nitrate	8 other nitrogen fertilizer material
5 sodium nitrate	[specify: _____]
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
	<p>[Enter percentage analysis or actual pounds of plant nutrients applied per acre.]</p> <p>[Show Common Nutrients or Fertilizers in Respondent Booklet.]</p> <p>[Refer to nitrogen code list above for type of nitrogen used.]</p>					<p>What quantity was applied per acre?</p> <p>[Leave this column blank if actual nutrients were reported.]</p>	<p>[Enter material code.]</p> <p>1 Pounds</p> <p>12 Gallons</p> <p>19 Pounds of actual nutrients</p>	<p>When was this applied?</p> <p>1 In the fall before seeding</p> <p>2 In the spring before seeding</p> <p>3 At seeding</p> <p>4 After seeding</p>	<p>How was this applied?</p> <p>[Refer to code list above.]</p>	<p>How many acres were treated in this application?</p>
	N	P ₂ O ₅	K ₂ O	S	Type of N used					
	Nitrogen	Phosphate	Potash	Sulfur						
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
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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 2015 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 2015 crop? [Probe for applications made in the fall of 2014 (and those made earlier if this field was fallow).]

YES = 1	CODE 0302	EDIT TABLE 0301
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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? <i>[Enter code from above.]</i>	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
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.].....

NUMBER

FERTILIZER APPLICATIONS

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										