

# AGRICULTURAL RESOURCE MANAGEMENT SURVEY

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 Phase II



**ERS**  
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## WINTER WHEAT PRODUCTION PRACTICES REPORT FOR 2012

<b>VERSION</b>	<b>ID</b>	<b>TRACT</b>	<b>SUBTRACT</b>	<b>C-TYPE</b>
71	_____	01	___	125

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 winter wheat and need your help to make the information as accurate as possible. Authority for collection of information on the Winter Wheat 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** **H H M M**

[MILITARY]

**SCREENING BOX**

0006

*[Name, address and partners verified and updated if necessary]*

<b>POID</b> _____	<b>POID</b> _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
<b>POID</b> _____	<b>POID</b> _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

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 number 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.



**A**

# WINTER WHEAT FIELD SELECTION

**A**

TOTAL PLANTED ACRES

0050 \_\_\_\_\_

1. How many acres of winter wheat did this operation plant for the 2012 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 winter wheat fields planted for the 2012 crop.

TOTAL NUMBER OF FIELDS PLANTED

0020 \_\_\_\_\_

What is the TOTAL number of winter wheat 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 \_\_\_\_\_

10 \_\_\_\_\_

2 \_\_\_\_\_

11 \_\_\_\_\_

3 \_\_\_\_\_

12 \_\_\_\_\_

4 \_\_\_\_\_

13 \_\_\_\_\_

5 \_\_\_\_\_

14 \_\_\_\_\_

6 \_\_\_\_\_

15 \_\_\_\_\_

7 \_\_\_\_\_

16 \_\_\_\_\_

8 \_\_\_\_\_

17 \_\_\_\_\_

9 \_\_\_\_\_

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 winter wheat questions will be about this selected winter wheat field.**

[Be sure the operator can identify the selected field.]

6. How many acres of winter wheat did this operation plant in this field for the 2012 crop? . . .

1301

OFFICE USE  
OY Field Substituted

0022



<p>1. Were commercial nutrients or fertilizers applied to this field for the 2012 winter wheat crop? ..... YES = 1  <i>[If COMMERCIAL nutrient or fertilizer applied, continue; else go to Section D.]</i></p> <p>2. How many commercial nutrient or fertilizer applications were made to this field for the 2012 crop? (<i>Include applications made by airplanes and custom applicators.</i>) .....</p> <p>3. Now I need to record information for each application.</p>	<p>CODE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">0202</td> <td style="width: 50%; text-align: center;">0200</td> </tr> </table>	0202	0200	<p>EDIT TABLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">0200</td> <td style="width: 50%; text-align: center;">0203</td> </tr> </table>	0200	0203
0202	0200					
0200	0203					

### CHECKLIST

✓ INCLUDE	✓ EXCLUDE
<input type="checkbox"/> Custom applied nutrients or fertilizers  <input type="checkbox"/> Nutrients or fertilizers applied in the fall of 2011 and those applied earlier if this field was fallow in 2011  <input type="checkbox"/> Commercially prepared manure or compost	<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

OFFICE USE LINES IN TABLE	TABLE 001	0299
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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

LINE	2 MATERIALS USED				3 What quantity was applied per acre?	4 [Enter material code.]	5 When was this applied?	6 How was this applied?	7 How many acres were treated in this application?
	N Nitrogen	P <sub>2</sub> O <sub>5</sub> Phosphate	K <sub>2</sub> O 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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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 2012 winter wheat 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 winter wheat field for the 2012 crop? . . . . . YES = 1

CODE	EDIT TABLE
0302	0300

[Probe for applications made in the fall of 2011 (and those made earlier if this field was fallow).]

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

Include defoliant, fungicides, herbicides, insecticides, and other pesticides.  Include biological and botanical pesticides.	Exclude nutrients or fertilizers reported earlier and seed treatments.
--	--

OFFICE USE LINES IN TABLE	TABLE 001	0399
------------------------------	--------------	------

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	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---]

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>

**APPLICATIONS 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	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



Now I have some questions about your pest management decisions and practices used on this field for the 2012 winter wheat crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

ENUMERATOR ACTION: Were PESTICIDE applications reported in Section D?

YES - [Continue]

NO - [Go to item 4]

1. Was weather data used to assist in determining either the need or when to make pesticide applications? ..... YES = 1

CODE

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

4. In 2012, 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 5.]
- 2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 7.]
- 3 This field was not scouted. [Enter code 3 and go to item 11.]

CODE

0808

5. Was an established scouting process (systematic sampling, recording counts, etc.) used or were insect traps used in this field? ..... YES = 1

0809

6. 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





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

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

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 ( <i>using conventional tillage</i> )?. . . . . 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 winter wheat 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

		CODE
12.	Were any beneficial organisms ( <i>insects, nematodes, fungi</i> ) 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
-----	---	------

CODE

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 2011 to help manage insects on 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
------

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

# CONCLUSION

1. To receive the complete results of this survey on the release date, go to [www.nass.usda.gov/results/](http://www.nass.usda.gov/results/). Would you rather have a brief summary mailed to you at a later date?.....

YES = 1

CODE

0099

2. ENDING TIME [MILITARY].....

HH MM

0005

## 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

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

FERTILIZER APPLICATIONS

0041

PESTICIDE APPLICATIONS

0042

Reported by: _____	9910 M M D D 12	9911 Telephone: (____) _____
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### Office Use

Response	Respondent	Mode	Enum	Eval	R. Unit	Change	Optional Use						
1 - Comp	9901	1 - Op/Mgr	9902	2 - Tel	9903	0098	0100	0921	0785	0002	0003	9906	9916
2 - R		2 - Sp		3 - Face-to-Face									
3 - Inac		3 - Acct/Bkpr											
4 - Office Hold		4 - Partner											
		9 - Other											

S/E Name