

AGRICULTURAL RESOURCE MANAGEMENT SURVEY

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CORN PRODUCTION PRACTICES REPORT FOR 2018

VERSION 78	POID _____	TRACT 01	SUBTRACT ___	C-TYPE 105
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CONTACT RECORD

DATE	TIME	NOTES

INTRODUCTION:

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

We are collecting information on the practices used to produce corn and need your help to make the information as accurate as possible. The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about your or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response to this survey is **voluntary**. We encourage you to refer to your farm records during the interview.

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 OBM 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.

H H M M

BEGINNING TIME 0004 _____
[MILITARY]

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

A

CORN FIELD SELECTION

A

TOTAL PLANTED ACRES

0050

1. How many acres of corn did this operation plant for the 2018 crop year?

[If no acres planted, review Screening Survey Information Form, make notes, then go to Conclusion on back page.]

I will follow a simple procedure to make a random selection from the corn fields planted for the 2018 crop.

TOTAL NUMBER OF FIELDS PLANTED

0020

2. What is the TOTAL number of corn 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

OFFICE USE
OY Field Substituted

0022

SELECTED FIELD NUMBER

0021

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.

5. The field selected is _____ (field name/number/description).

During this interview, the corn questions will be about this selected field.

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

C NUTRIENT or FERTILIZER APPLICATIONS---SELECTED FIELD

C

1. **Were commercial nutrients or fertilizers applied to the selected field for the 2018 corn crop?** (Include those from operators, landlords, and contractors.) **YES = 1**
 [If **COMMERCIAL** nutrient or fertilizer applied, continue, else go to **Section D.**]

CODE	OFFICE USE EDIT TABLE
0202	0200

2. **How many commercial nutrient or fertilizer applications were made to the selected field for the 2018 crop?** (Include applications made by airplanes and custom applicators)

NUMBER
0203

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

CHECKLIST	
<p><input checked="" type="checkbox"/> INCLUDE</p> <p><input type="checkbox"/> Custom applied nutrients and fertilizers</p> <p><input type="checkbox"/> Nutrients or fertilizers applied in the fall of 2017 and those applied earlier if this field was fallow in 2017.</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>

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

L I N E	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	P₂O₅ Phosphate	K₂O Potash	S Sulfur	[Enter percentage analysis or actual pounds of plant nutrients applied per acre.] [Show Common Nutrients or Fertilizers in Respondent Booklet.]	[Leave this column blank if actual pounds of nutrients were reported.]	1 In the fall before seeding 2 In the spring before seeding 3 At seeding 4 After seeding	[Refer to code list above.]	ACRES
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

D BIOCONTROL or PESTICIDE APPLICATIONS---SELECTED FIELD

D

Now I have some questions about all the biocontrols or pesticides used on the selected field for the 2018 corn crop, including both custom applications and applications made by this operation.

CODE	OFFICE USE EDIT TABLE
0302	0300

1. Were any herbicides, insecticides, fungicides or other biocontrols or pesticides used on the selected corn field for the 2018 crop? YES = 1

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.
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OFFICE USE LINES IN TABLE	TABLE 001	0399
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CHEMICAL PRODUCT NAME	L I N E	2	3	4	5	6	OR	7	8
		What products were applied to the selected field? <i>[Show product codes from Respondent Booklet.]</i>	Was this product bought in liquid or dry form? <i>[Enter L or D]</i>	If this was part of a tank mix, enter line number of first product in mix.	When was this applied? 1 BEFORE planting 3 AT planting 4 AFTER planting 5 DEFOLIATION prior to harvest	How much was applied per acre per application?		What was the total amount applied per application in the selected field?	<i>[Enter unit code.]</i> 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 <i>(Herbicide, Insecticide Fungicide, etc.)</i>	EPA No. or Trade name and Formulation	Form Purchased <i>(Liquid or Dry)</i>	Where Purchased <i>[Ask ONLY if EPA No. cannot be reported.]</i>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

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? <i>[Enter code from above.]</i>	How many acres in the selected 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

E PEST MANAGEMENT PRACTICES---SELECTED FIELD

E

Now I have some questions about your pest management decisions and practices used on this field for the 2018 corn crop. By pests, we mean WEEDS, INSECTS, and DISEASES.

[Enumerator Action: Were PESTICIDE APPLICATIONS reported in Section D?]

- YES - [Continue.] NO - [Go to item 6.]

		CODE
1. Were 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 (<i>Bacillus thuringiensis</i>), insect growth regulators, neem or other natural/biological based products sprayed or applied to manage pests in the selected 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

		CODE
6. Were records kept for the selected field to track the activity or numbers of weeds, insects or diseases?	YES = 1	0823
7. Did you use published information on infestation thresholds to determine when to take measures to manage pests in the selected field?	YES = 1	0824

		CODE
8. In 2018, how was the selected field primarily scouted for insects, weeds, diseases, and/or beneficial organisms?	0808

1 By deliberately going to the field specifically for scouting activities [Enter code 1 and go to item 9.]

2 By conducting general observations while performing routine tasks [Enter code 2 and go to item 11.]

3 This field was not scouted. [Enter code 3 and go to item 14.]

		CODE
9. Was an established scouting process (systematic sampling, recording counts, etc.) used or were insect traps used in the selected field?	YES = 1	0809

		CODE
10. Was scouting for pests done in the selected field due to---		
a. a pest advisory warning?	YES = 1	0810
b. a pest development model?	YES = 1	0811

	1	2	3
11. Was this field scouted for--	YES = 1	CODE	CODE
a. weeds?	0812	0813	0814
b. insects or mites?	0815	0816	0817
c. diseases?	0818	0819	0820

[If YES, ask—]
What was the infestation level for
 [column 1]? –

- 1 Higher than normal
- 2 Normal
- 3 Lower than normal

[If column 1 = YES, ask---]
Who did the majority of the scouting for
 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
13. Did you use field mapping of previous weed problems to assist you in making weed management decisions?	YES = 1	0825
14. 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 the selected 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 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 corn 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
15. Were any beneficial organisms (insects, nematodes, fungi) applied or released in this field to manage pests?	YES = 1	0853
16. Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on this field?	YES = 1	0858
17. Was a trap crop (excluding fallow) grown to help manage insects in this field?	YES = 1	0863
18. Was this field left fallow in 2017 to help manage insects in this field?	YES = 1	0864
19. Were water management practices such as irrigation scheduling, controlled drainage, or treatment of retention water used on this field to manage for pests or toxin-producing fungi and bacteria?	YES = 1	0861

Completion Code for Pest Management Data	
1 Incomplete/Refusal	0500

CONCLUSION

5. To receive the complete results of this survey on the release date, go to http://www.nass.usda.gov/Surveys/Guide_to_NASS_Surveys/

To have a brief summary emailed to you at a later date, please enter your email address

1095

CODE

Would you like to receive a copy of the results of this survey in the mail? **YES = 1**

9990

[Thank the respondent, then review this questionnaire.]

H H M M

6. **ENDING TIME [MILITARY].**

0005

RECORDS USED

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

CODE

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

0011

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

0012

SUPPLEMENTS USED

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

FERTILIZER APPLICATIONS

NUMBER

0041

PESTICIDE APPLICATIONS

0042

Reported by: _____	9910 ____ M ____ M ____ D ____ D	18	9911 Telephone(____) _____
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OFFICE USE										
R. Unit	Ptr 1 Str	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optional Use		
9921	9922	9923	9927	9928	923	9907	922	9906	9916	
Response		Respondent		Mode		Enum.	POID			
1-Comp 2-R 3-Inac 4-Office Hold		9901 1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Other		9902 2-PATI (tel) 3-PAPI (Face-to-Face)		9903 9998		9989		

								Eval.	Change	
								9900	9985	