

# VEGETABLE CHEMICAL USE SURVEY

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National Agricultural Statistics Service  
 U.S Department of Agriculture  
 NOC Division  
 9700 Page Avenue, Suite 400  
 St. Louis, MO 63132-1547  
 Phone: 1-888-424-7828  
 Fax: 314-595-9990  
 E-mail: nass@nass.usda.gov

<b>VERSION</b> 01	<b>POID</b> _____	<b>SUBTRACT</b> __
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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 chemical use 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 you 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**.

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 45 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.

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

**BEGINNING TIME [MILITARY].** .....

\_\_\_\_\_

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

During the screening phase of the Vegetable Chemical Use Survey conducted in June and July, your operation was found to be growing or intending to grow vegetables this year. I now need to verify some of the information collected during the screening survey.

Verify operation name and operator on label and/or screener.

- If no changes, go to Section A, page 4.
- If changed, continue to "Change in Operating Status".

## CHANGE IN OPERATING STATUS

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[ENUMERATOR NOTE: Skip this section if there is no change in operation name or operator.]

1. Has there been a change in operation name or operator?

NO - [Go to Enumerator Note below.]

YES - [Enter code 1, complete name and address information below for new operator, and read Enumerator Note.].....

CODE

023

	Operation Name _____
	Operator Name _____
	Address _____
	_____
	Phone (_____) _____

[ENUMERATOR NOTE: If the operation on the face page was in business part of the 20XX crop year, complete this questionnaire for the part of the year during which the operation did business, unless the operation has been taken over by a new operator. If the operator has changed midyear, please conduct this interview start to finish with the new operator after reading "Valid Substitution" rules in section 4 of the Interviewer's Manual.]

2. Has the operation printed on this questionnaire been combined or merged with any other farming operations?

Yes - [Go to "Conclusion".]

No - [Continue.]

## SCREENING

1. Did this operation have any of the target crops during the 20XX crop year?

**YES** - [Continue.]

**NO** - [Write notes explaining situation then go to "Conclusion" on back page.]

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2. Are the day-to-day decisions for this operation (*name on label*) made by –  
[Check one.]

one individual? [Go to Section A.]

a hired manager? [Go to Section A.]

partners? [Continue.]

3. **How many individuals are involved in the day-to-day decisions of this operation?**

[Enter the number of partners, including the partner named on the label.

Identify the other persons in this partnership below, then go to Section A.]

(Partners jointly operate land and share in decision making. **Do not include** landlords and tenants as partners.). . . . .

NUMBER

4. Please identify the other person(s) in this partnership, then go to Section A.

[Verify partners' names and make necessary corrections if names have already been entered.]

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

# CALIFORNIA SCREENING

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1. What ID (*pesticide permit number*) does this operation use for reporting pesticide applications on the target acres to the County Agricultural Commissioners? . . . . .

COUNTY	

NUMBER				

2. Is this ID used to report pesticide applications for any other operations?

- YES** - [Continue.]                       **NO** - [Go to item 3.]

a. What other operation(s) is this ID used to report for?

Name _____	Name _____
Address _____	Address _____
Phone (    ) _____	Phone (    ) _____

3. Does this operation use any **OTHER** ID's to report pesticide applications on the target acres to the County Agricultural Commissioners?

- YES** - [Continue.]                       **NO** - [Go to Section A.]

a. What are these other ID numbers? . . . . .

COUNTY	

NUMBER				

b. Do you use any of these ID's to report pesticide applications for any other operation(s)?

- YES** - [Continue.]                       **NO** - [Go to Section A.]

(i) What other operation(s) use this ID for reporting? [*Identify operation and ID.*]

Name _____	Name _____
Reporting ID _____	Reporting ID _____
Address _____	Address _____
Phone (    ) _____	Phone (    ) _____

**A**

**LAND OPERATED**

**A**

**ACRES OPERATED**

**CODE**

[Enumerator Action: If acreage on the insert is verified as correct, enter code 1 in box 801, then skip to Section B. If acreage has changed, ask ALL questions.] . . . . .

801

Now I would like to ask about the total acres operated under this land arrangement.

1. How many acres does this operation---

**ACRES**

a. Own? . . . . . +

901 . \_\_\_\_

b. Rent or lease from others or use rent free?  
(Exclude land used on an animal unit month (AUM) basis.) . . . . . +

902 . \_\_\_\_

c. Rent to others? . . . . . -

905 . \_\_\_\_

2. [Calculate item 1a + 1b - 1c.] Then the total acres operated are: . . . . . =

900 .

a. Does this include the farmstead, all cropland, woodland, pasture land, wasteland, and government program land?

**YES** - [Continue.]       **NO** - [Make corrections, then continue.]

The remaining questions in this survey refer to these [item 2] acres.

3. Of the total acres operated, how many acres are considered cropland, including land in hay, summer fallow, cropland idle, cropland used for pasture and cropland in government programs? . . . . .

802 . \_\_\_\_

4. Of the total acres operated, how many acres are vegetables?  
(Include both target and non-target vegetables planted on the operation.) . . . . .

803 . \_\_\_\_

## ADA-ESD SCREENING

**[ENUMERATOR NOTE:** *If box is checked, begin with item 1.*  
*If box is NOT checked, go to page 6.]*.....

1. What Pesticide Grower Permit number does this operation use for reporting chemical applications on these [Section A, item 2] acres to the Arizona Department of Agriculture – Environmental Services Division [ADA-ESD]? .....

PGP 10 NUMBER					
020					

2. Is this permit number used to report chemical applications for acres other than these [Section A, item 2] acres?

**YES** - [Continue.]                       **NO** - [Go to item 3.]

OFFICE USE
012

a. What other operation(s) is this permit number used to report for?

Name _____	Name .....
Address _____	Address .....
Phone (    ) _____	Phone (    ) _____

3. Does this operation use any **OTHER** Pesticide Grower Permit number to report chemical applications to ADA-ESD for these [Section A, item 2] acres?

**YES** - [Continue.]                       **NO** - [Go to Section B.]

OFFICE USE
013

a. What are these PGP numbers? .....

PGP 10 NUMBER					
015					
016					
017					
018					
019					

b. Do you use any of these ID's to report chemical applications for any other operation(s)?

**YES** - [Continue.]                       **NO** - [Go to Section B.]

(a) What other operation(s) use this Pesticide Grower Permit for reporting?  
 [Identify operation and ID]

Name _____	Name .....
Reporting ID _____	Reporting ID .....
Address _____	Address .....
Phone (    ) _____	Phone (    ) .....

1. What **target vegetables** were on these [Section A, item 2] acres during the 20XX crop year? (**Exclude** new plantings of vegetables not intended for harvest in 20XX.)

[Enumerator Note: If no target acreage is present, write notes and skip to "Conclusion" on back page.]

OFFICE USE LINES IN TABLE	TABLE 001	199
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L I N E	1	2	3	4	5	6	7
	CROP	CROP CODE	How many acres of [crop] did this operation have? ACRES	Were any commercial fertilizers applied to this crop? [YES = 1]	Were any herbicides, insecticides, fungicides, etc. applied to this crop? [YES = 1]	On what date did you complete harvest of your 20XX crop year on these [crop] acres? MM DD YY	On what date did you complete harvest of your 20XX crop year [crop]? MM DD YY
01			11 _____	12	13	14	15
02			11 _____	12	13	14	15
03			11 _____	12	13	14	15
04			11 _____	12	13	14	15
05			11 _____	12	13	14	15
06			11 _____	12	13	14	15
07			11 _____	12	13	14	15
08			11 _____	12	13	14	15
09			11 _____	12	13	14	15
10			11 _____	12	13	14	15
11			11 _____	12	13	14	15
12			11 _____	12	13	14	15
13			11 _____	12	13	14	15
14			11 _____	12	13	14	15
15			11 _____	12	13	14	15

### CALIFORNIA – CROP CODES

701 ASPARAGUS	632 CARROTS	LETTUCE	759 SPINACH
613 BEANS, SNAP	715 CELERY	725 HEAD	742 SQUASH
705 BROCCOLI	766 CORN, SWEET	728 OTHER, <i>includes Romaine</i>	748 STRAWBERRIES
808 CABBAGE	798 CUCUMBERS	824 ONIONS	770 TOMATOES
709 CANTALOUPE	723 GARLIC	736 PEPPERS, BELL	752 WATERMELONS
714 CAULIFLOWER	730 HONEYDEW	738 PUMPKINS	Other crops

L I N E	CAL – EPA SITE LOCATION NUMBER <i>(If Required)</i>						
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							

**INCLUDES AND EXCLUDES**

<p><b>INCLUDE:</b>                  TARGET CROPS ONLY                  All acreage equal to or greater than one tenth of an acre.                  All acreage for processing or fresh market.                  All acreage for roadside stands, farmer’s markets or U-pick sales.                  Acreage not harvested due to weather, economic or other reasons.                  Crops planted in the fall of 2013 if they were part of the 20XX crop.                  Double Cropping.</p>	<p><b>EXCLUDE:</b>                  ALL CROPS GROWN IN ANOTHER STATE.                  All crops grown in greenhouses and hothouses.                  All vegetables grown for commercial transplanting.                  HOME GARDEN vegetable acreage.                  All mushrooms, potatoes, sweetpotatoes, dry beans.                  All vegetable acres grown by institutional, experimental, research and university farms.                  Non-target vegetables.</p>
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## TARGET CROPS & CODES

FLORIDA	
613	BEANS, SNAP
808	CABBAGE
766	CORN, SWEET
798	CUCUMBERS
736	PEPPERS, BELL
742	SQUASH
748	STRAWBERRIES (bearing age)
770	TOMATOES
752	WATERMELONS
Other crops	

GEORGIA	
613	BEANS, SNAP
808	CABBAGE
766	CORN, SWEET
798	CUCUMBERS
824	ONIONS, DRY
736	PEPPERS, BELL
742	SQUASH
Other crops	
752	WATERMELONS

ILLINOIS	
Other crops	
613	BEANS, SNAP
738	PUMPKINS
738	PUMPKINS
Other crops	
752	WATERMELONS

MICHIGAN	
Other Crops	
701	ASPARAGUS
798	CUCUMBERS
738	PUMPKINS
613	BEANS, SNAP
742	SQUASH

ARIZONA – CROP CODES	
709	CANTALOUPE
LETTUCE	
725	HEAD
728	OTHER, includes Romaine
752	WATERMELON

MINNESOTA	
Other crops	
766	CORN, SWEET
845	PEAS, GREEN (exclude dried)
NEW JERSEY	
736	PEPPERS, BELL
742	SQUASH
Other crops	

NEW YORK	
613	BEANS, SNAP
Other crops	
808	CABBAGE
766	CORN, SWEET
824	ONIONS, DRY
742	SQUASH

NORTH CAROLINA	
798	CUCUMBERS
Other crops	
736	PEPPERS, BELL
742	SQUASH
752	PUMPKINS
752	WATERMELONS
736	PEPPERS, BELL
738	PUMPKINS

OREGON	
613	BEANS, SNAP
Other crops	
766	CORN, SWEET
824	ONIONS, DRY
854	PEAS, GREEN (exclude dried)
742	SQUASH

PENNSYLVANIA	
613	BEANS, SNAP
Other crops	
738	PUMPKINS

SOUTH CAROLINA	
752	WATERMELONS

TEXAS	
808	CABBAGE
Other crops	
798	CUCUMBERS
824	ONIONS, DRY
738	PUMPKINS

WASHINGTON	
701	ASPARAGUS
632	CARROTS
766	CORN, SWEET
824	ONIONS, DRY
854	PEAS, GREEN (exclude dried)

WISCONSIN	
613	BEANS, SNAP
808	CABBAGE
632	CARROTS
766	CORN, SWEET
798	CUCUMBERS
824	PEAS, GREEN (exclude dried)

OTHER STATES	
Other crops	

## NOTES

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FERTILIZER APPLICATIONS

**Enumerator Note---**

*If column 4 of the table in Section B is YES for any crops, continue with item 1.*

*If column 4 of the table in Section B is NO for all crops, go to Section D, page 10.*

1. I need to record complete information on all commercial fertilizers applied to the **target vegetables** grown during the 20XX crop year. Include all applications regardless of how they were applied (irrigation water, foliar applications, etc.). [Record amount of analysis of fertilizers applied or pounds of **actual plant nutrients** applied. Complete the table below (and any necessary supplemental fertilizer tables). Exclude micronutrients, lime, and gypsum.]

OFFICE USE LINES IN TABLE	TABLE 001	299
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L I N E	1	2	3	4	5	6	7	8	9	10
	CROP	CROP CODE	N  N I T R O G E N	P H O S P H A T E  P <sub>2</sub> O <sub>5</sub>	P O T A S H  K <sub>2</sub> O	S U L F U R  S	How much was applied per acre per application?  [Leave this column blank if actual nutrients were reported.]	UNIT CODES  1 Pounds 12 Gallons 13 Quarts 15 Liquid Oz. 28 Dry Oz. 19 Actual Nutrients	How many acres was this applied to?  ACRES	How many times was it applied?  NUMBER
01			31	32	33	34	36	37	40	41
02			31	32	33	34	36	37	40	41
03			31	32	33	34	36	37	40	41
04			31	32	33	34	36	37	40	41
05			31	32	33	34	36	37	40	41
06			31	32	33	34	36	37	40	41
07			31	32	33	34	36	37	40	41
08			31	32	33	34	36	37	40	41
09			31	32	33	34	36	37	40	41
10			31	32	33	34	36	37	40	41
11			31	32	33	34	36	37	40	41
12			31	32	33	34	36	37	40	41
13			31	32	33	34	36	37	40	41
14			31	32	33	34	36	37	40	41
15			31	32	33	34	36	37	40	41
16			31	32	33	34	36	37	40	41
17			31	32	33	34	36	37	40	41

**D**

**PESTICIDE APPLICATIONS**

**D**

[ENUMERATOR ACTION: *If pesticides were reported in Section B, column 5, continue. Otherwise, skip to Section E.*]

1. Now I need to get complete information on all of the chemicals applied, including applications made by you and/or by custom applicators during the 20XX crop year to each of the **target vegetable crops** you grew. **Let's start with the first application to your [crop] since the 2013 crop year harvest.**

[Complete the table for all chemical applications to the target vegetable crops. Use supplemental tables if necessary. ]

(**Include** herbicides, insecticides, nematocides, miticides, fungicides, chemical thinners, growth regulators, microbial agents, pheromones, rodenticides, and soil fumigants. **Exclude** seed treatments, foliar applications of nutrients, and applications made to vegetables after harvest.)

		OFFICE USE		TABLE 399		
		LINES IN TABLE		001		
		1	2	3	4	5
		L		What products were applied to the [crop]?	Was this product bought in liquid or dry form?	Was this part of a tank mix?
		I				
		N				
		E				
CHEMICAL PRODUCT NAME	CROP	CROP CODE	[Enter product code.]	[Enter L or D.]	[If tank mix, enter line number of first product in mix.]	
01			61		63	
02			61		63	
03			61		63	
04			61		63	
05			61		63	
06			61		63	
07			61		63	
08			61		63	
09			61		63	
10			61		63	
11			61		63	
12			61		63	
13			61		63	
14			61		63	
15			61		63	

[For pesticides not listed in Respondent Booklet, specify---]

Line No.	Pesticide Type (Herbicide, Insecticide, Fungicide, etc.)	Trade Name and Formulation	Form Purchased (Liquid or Dry)	EPA Reg. No.

**PESTICIDE APPLICATIONS**

**CODES FOR COLUMN 8**

1 POUNDS	30 GRAMS
12 GALLONS	40 KILOGRAMS
13 QUARTS	41 LITERS
14 PINTS	46 SPIRALS
15 OUNCES, LIQUID	47 PACKETS
28 OUNCES, DRY	50 OTHER ( <i>Specify</i> _____)

L I N E	6	OR	7	8	9	10
	How much was applied per acre per application?		What was the total amount applied per application?	[Enter unit code from above.]	How many acres were treated with this product?	When was it applied?
				CODE	ACRES	MM DD YY
01	65	73	74	77	83	
02	65	73	74	77	83	
03	65	73	74	77	83	
04	65	73	74	77	83	
05	65	73	74	77	83	
06	65	73	74	77	83	
07	65	73	74	77	83	
08	65	73	74	77	83	
09	65	73	74	77	83	
10	65	73	74	77	83	
11	65	73	74	77	83	
12	65	73	74	77	83	
13	65	73	74	77	83	
14	65	73	74	77	83	
15	65	73	74	77	83	

[For pesticides not listed in Respondent Booklet, specify---]

Line No.	Pesticide Type (Herbicide, Insecticide, Fungicide, etc.)	Tradename and Formulation	Form Purchased (Liquid or Dry)	EPA Reg. No.
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

[ENUMERATOR ACTION: *If pesticides were reported in Section B, column 5, continue. Otherwise, skip to Section E.*]

1. Now I need to get complete information on all of the chemicals applied, including applications made by you and/or by custom applicators during the 20XX crop year to each of the **target vegetable crops** you grew. **Let's start with the first application to your [crop] since the 2013 crop year harvest.**

[Complete the table for all chemical applications to the target vegetable crops. Use supplemental tables if necessary. ]

(**Include** herbicides, insecticides, nematocides, miticides, fungicides, chemical thinners, growth regulators, microbial agents, pheromones, rodenticides, and soil fumigants. **Exclude** seed treatments, foliar applications of nutrients, and applications made to vegetables after harvest.)

		OFFICE USE LINES IN TABLE		TABLE 001	399	
		1	2	3	4	5
L I N E				What products were applied to the [crop]?	Was this product bought in liquid or dry form?	Was this part of a tank mix?  [If tank mix, enter line number of first product in mix.]
CHEMICAL PRODUCT NAME	CROP	CROP CODE	[Enter product code.]	[Enter L or D.]		
01			61			63
02			61			63
03			61			63
04			61			63
05			61			63
06			61			63
07			61			63
08			61			63
09			61			63
10			61			63
11			61			63
12			61			63
13			61			63
14			61			63
15			61			63

[For pesticides not listed in Respondent Booklet, specify---]

Line No.	Pesticide Type (Herbicide, Insecticide, Fungicide, etc.)	Trade Name and Formulation	Form Purchased (Liquid or Dry)	EPA Reg. No.

**PESTICIDE APPLICATIONS**

**CODES FOR COLUMN 8**

1 POUNDS	14 PINTS	30 GRAMS	46 SPIRALS
12 GALLONS	15 OUNCES, LIQUID	40 KILOGRAMS	47 PACKETS
13 QUARTS	28 OUNCES, DRY	41 LITERS	50 OTHER ( <i>Specify_____</i> )

LINE	6	OR	7	8	9	10
	How much was applied per acre per application?		What was the total amount applied per application?	[Enter unit code from above.]	How many acres were treated with this product?	How many times was it applied?
				CODE	ACRES	NUMBER
01	65	73		74	77	79
02	65	73		74	77	79
03	65	73		74	77	79
04	65	73		74	77	79
05	65	73		74	77	79
06	65	73		74	77	79
07	65	73		74	77	79
08	65	73		74	77	79
09	65	73		74	77	79
10	65	73		74	77	79
11	65	73		74	77	79
12	65	73		74	77	79
13	65	73		74	77	79
14	65	73		74	77	79
15	65	73		74	77	79

[For pesticides not listed in Respondent Booklet, specify---]

Line No.	Pesticide Type <i>(Herbicide, Insecticide, Fungicide, etc.)</i>	Tradename and Formulation	Form Purchased <i>(Liquid or Dry)</i>	EPA Reg. No.

Now I have some questions about pest management practices you may have used on any of the **total vegetable acres** on this operation. (*Include both target and non-target vegetable crops grown.*)  
**By pests, we mean insects, weeds, and diseases.**

1. [Enumerator Action: Were **PESTICIDE APPLICATIONS** reported in Section B, column 5 on page 5?]

YES - [Continue.]                       No - [Go to item 5.]

- |  |         | <b>CODE</b>  |
|--|---------|--------------|
| 2. Was weather data used to assist in determining either the need or when to make pesticide applications? .....  | YES = 1 | 600<br>_____ |
| 3. Were any biological pesticides such as Bt ( <i>Bacillus thuringiensis</i> ), insect growth regulators ( <i>Courier, intrepid, etc.</i> ), neem or other natural/biological based products sprayed or applied to manage pests?   | YES = 1 | 601<br>_____ |
| 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 | 602<br>_____ |
| 5. In 20XX, how were your vegetable acres primarily scouted for insects, weeds, diseases and/or beneficial organisms? .....  |         |              |
| 1 By deliberately going to the vegetable acres specifically for scouting activities. ( <i>Enter code 1 and go to item 6.</i> )<br>2 By conducting general observations while performing routine tasks. ( <i>Enter code 2 and go to item 8.</i> )<br>3 The vegetable acres were not scouted. ( <i>Enter code 3 and go to item 11.</i> ) | .....   | 608<br>_____ |
| 6. Was an established scouting process used ( <i>systemic sampling, recording counts, insect traps, etc.</i> ) on any vegetable acres? .....   | YES = 1 | 609<br>_____ |
| 7. Was scouting for pests done on these vegetable acres due to---  |         |              |
| a. a pest advisory warning? .....  | YES = 1 | 610<br>_____ |
| b. a pest development model? .....   | YES = 1 | 611<br>_____ |

1		2 [If column 1 is YES, ask---] <b>Who did the majority of the scouting for [column 1]—</b>
8. Were your vegetable acres scouted for ---	<b>YES = 1</b>	<b>CODE</b>
a. weeds? .....	612	614
b. insects and mites? .....	615	617
c. disease? .....	618	620

- 1 Operator, partner or family member
- 2 An employee
- 3 Farm supply or chemical dealer
- 4 Independent crop consultant or commercial scout
- 5 Processor
- 6 Other (*specify: \_\_\_\_\_*)



		CODE
9.	Were written or electronic records kept to track the activity or numbers of weeds, insects or diseases? . . . . .	YES = 1 <input type="text" value="623"/>
10.	Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests? . . . . .	YES = 1 <input type="text" value="624"/>
11.	Was field mapping data used for making pest management decisions? . . . . .	YES = 1 <input type="text" value="625"/>
12.	Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis? . . . . .	YES = 1 <input type="text" value="626"/>
13.	Were crop residues plowed down or removed to manage pests? . . . . .	YES = 1 <input type="text" value="627"/>
14.	Were crops rotated during the past three years for the purpose of managing pests? . . . . .	YES = 1 <input type="text" value="628"/>
15.	Were ground covers, mulches, or other physical barriers maintained to manage pest problems? . . . . .	YES = 1 <input type="text" value="629"/>
16.	Was a crop variety chosen because it had resistance to a specific pest? . . . . .	YES = 1 <input type="text" value="630"/>
17.	Was no-till or minimum till used to manage pests? . . . . .	YES = 1 <input type="text" value="631"/>
18.	Were planting locations planned to avoid infestation of pests? . . . . .	YES = 1 <input type="text" value="632"/>
19.	Were planting or harvesting dates adjusted to manage pests? . . . . .	YES = 1 <input type="text" value="633"/>
20.	Were row spacing or plant density adjusted to manage pests? . . . . .	YES = 1 <input type="text" value="634"/>
21.	Was a trap crop grown to help manage insects? . . . . .	YES = 1 <input type="text" value="635"/>
22.	Were any beneficial organisms ( <i>insects, nematodes, fungi</i> ) applied or released to manage pests? . . . . .	YES = 1 <input type="text" value="636"/>
23.	Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on any vegetable acres? . . . . .	YES = 1 <input type="text" value="637"/>
24.	Were any vegetable acres cultivated for weed control during the growing season? . . . . .	YES = 1 <input type="text" value="640"/>
25.	Were field edges, lanes, ditches, roadways or fence lines chopped, mowed, plowed, or burned to manage pests on any vegetable acres? . . . . .	YES = 1 <input type="text" value="642"/>
26.	Were equipment and implements cleaned after completing field work to reduce the spread of pests? . . . . .	YES = 1 <input type="text" value="643"/>
27.	Were any vegetable acres irrigated for the 20XX crops? . . . . .	YES = 1 <input type="text" value="644"/>
a.	[If item 27 = YES, ask---] Were water management practices (excluding chemigation) such as irrigation scheduling, controlled drainage, or treatment of retention water used to manage pests? . . . . .	YES = 1 <input type="text" value="645"/>

COMPLETION CODE for FERTILIZER APPLICATIONS	
1 Incomp/R	200
3 Valid Zero	

COMPLETION CODE for PESTICIDE APPLICATIONS	
1 Incomp/R	300
3 Valid Zero	

COMPLETION CODE for PEST MANAGEMENT PRACTICES	
1 Incomp/R	500

# CONCLUSION

## SURVEY RESULTS

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**  
9990

[Thank the respondent, then review this questionnaire.]

ENDING TIME [MILITARY]..... 005

**OFFICE USE  
TIME IN HOURS**

006
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## RECORD USE

Did respondent use operation records to report pesticide data?..... **YES = 1** **CODE**  
064

## SUPPLEMENT USE

Record the total number of supplements used to complete this interview.

Fertilizer Supplements.....	067
Pesticide Supplements.....	068

Reported by: _____	9910 M M D D Y Y	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	9901	1-Op/Mgr	9902	2-Tel	9903	9998	9989		
2-R		2-Sp		3-Face-to-Face					
3-Inac		3-Acct/Bkpr							
4-Office Hold		4-Partner							
		9-Other							
								Eval.	Change
								9900	9985