2014 VEGETABLE CHEMICAL USE SURVEY

OMB No. 0535-0218 Approval Expires: XX/XX/XXXX Project Code: 136 QID: 035219 SMetaKey: 2069



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

WASHINGTON ENTERPRISE

004

VERSION	POID	SUBTRACT
01		

	CONTACT RECORD									
DATE										

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. In accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107–347 and other applicable Federal laws, your responses will be kept confidential and will not be disclosed in identifiable form to anyone other than employees or agents. By law, every employee and agent has taken an oath and is subject to a jail term, a fine, or both if he or she willfully discloses ANY identifiable information about you or your operation. Response is **voluntary**.

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".

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.

CHANGE IN OPERATING STATUS

[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.]	
	CODE
YES - [Enter code 1, complete name and address information below for new operator, and read Enumerator Note.]	023

 Operation Name
 Operator Name
 Address
 Phone ()

[ENUMERATOR NOTE: If the operation on the face page was in business part of the 2014 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.]

Has the operation printed on this questionnaire been combined or merged with any other farming operations?
 Yes - [Go to "Conclusion".]

No - [Continue.]

SCREENING

 Did this operation have any of the target crops during the 2014 crop year? YES - [Continue.] 								
	□ NO - [Write n	otes explainir	ng situatio	on then go to "Conc	lusion" on back pag	ıe.]		
2.		ay decisions	for this o	peration (<i>name on l</i>	abel) made by –			
	[Check one.]		- (i A 1					
	one individua	-	-					
	a hired mana	ager? [Go to	Section I	A .]				
	partners? [C	Continue.]						
3.	[Enter the number Identify the other	er of partners r persons in ti	, includin his partne	in the day-to-day c og the partner name ership below, then g	d on the label. to to Section A .]			NUMBER
4.	Please identify th	ne other pers	on(s) in t	ion making. Do not inc his partnership, ther essary corrections in	n go to Section A .			
РА	RTNERS	POID			PARTNERS	POID		
PAF	RTNER NAME				PARTNER NAME			
ADI	DRESS				ADDRESS			
СІТ	Ϋ́	STATE	ZIP	PHONE NUMBER	CITY	STATE	ZIP	PHONE NUMBER
РА	RTNERS	POID			PARTNERS	POID		
PAF	RTNER NAME				PARTNER NAME			
ADI	DRESS				ADDRESS			
СІТ	Y	STATE	ZIP	PHONE NUMBER	CITY	STATE	ZIP	PHONE NUMBER

LAND OPERATED

ACRES OPERATED

		CODE
[Er	numerator 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
No	ow 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? (<i>Exclude</i> 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.]	
Th	ne remaining questions in this survey refer to these [<i>item 2</i>] 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?	
4.	Of the total acres operated, how many acres are vegetables? (<i>Include</i> both target and non-target vegetables planted on the operation.)	

- 4 -

Α

VEGETABLE ACREAGE

В

NOTES:

- 5 -

1.	during the 2	014 crop year?	vere on these [Sect ?(Exclude new pla I for harvest in 2014	antings	acres				
	[ENUMERA		^f no target acreage nd skip to "Conclus			OFFICE USE LINES IN TABLE	TABLE 001	LINE 99	199
	1	2	3	4	5] [
L I N E			How many acres were PLANTED for harvest in the 2014 crop year? (Include 2014 acres which were planted in other years.)	Were any commercial fertilizers applied to this crop?	Were any herbicides, insecticides, fungicides, etc. applied to this crop?		 TARGET C All acreage for process All acreage one tenth c 	e of TARGE ing or fresh e equal to o	T CROPS
	CROP	CROP CODE	ACRES	[YES = 1]	[YES = 1]		 All bearing CROPS for 		TARGET tands, farmer's
01			·	12	13		markets or		
02				12	13		 Acreage no economic o 		d due to weather, sons.
03			11 ·	12	13		 Crops plan if they were 		all of 2013 2014 crop.
04				12	13		Double Cro	opping	
05			11 ·	12	13	EXCLUDE:	• ALL CROF IN ANOTH		
06			11 ·	12	13	. - !	 All crops gr hothouses 		
07			11	12	13		 Plantings o 	of crops not	intended
08			11	12	13		for harvest New plantin 	in 2014.	
09				12	13		which are r (asparagus	not yet bear	ring
10			11 ·	12	13		 All vegetab transplantir 		or commercial
11			11 ·	12	13		 All mushroo sweet pota 		oes, dry beans,
12			11 	12	13		 All vegetab for seed on 	le acreage	grown
13			11	12	13				own by
14	<u> </u>		11 	12	13		 All vegetab institutional and univers 	l, experime	own by ntal, research
15			11 	12	13]	 Non-target 	vegetables	

В

TARGET CROPS & CODES

WASHINGTON							
701	ASPARAGUS						
	CARROTS						
912	PROCESSING						
	CORN, SWEET						
918	PROCESSING						
732	ONIONS, DRY						
	PEAS, GREEN (exclude dried)						
935	PROCESSING						
748	STRAWBERRIES						

FERTILIZER APPLICATIONS

- 7 -

Enumerator Note---

2

С

1

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

5

6

7

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

 I need to record complete information on all commercial fertilizers applied to the target vegetables grown during the 2014 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.]

4

3

OFFICE USE T. LINES IN TABLE

8

			299
	TABLE	LINE	
Ξ	001	99	

9

L I N E	CROP	CROP CODE	N I T R O G E N	P H O S P H A T E P ₂ 0₅	9 О Т А S Н	SUL FUR S	How much was applied per acre per application? [Leave this column blank if actual nutrients were reported.]	 VINIT CODES Pounds Gallons Quarts Liquid Oz. Dry Oz. Actual Nutrients 	How many acres was this applied to?	How many times was it applied?
	0.101	0002	31	32	33	34	36	37	40	41
01 02			31	32	33	34	36	37	40	41
		1	31	32	33	34	36	37	40	41
03			31	32	33	34		37	10	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

10

FERTILIZER APPLICATIONS

С

- 8 -

	1	2	3	4	5	6	7	8	9	10
L	•	2	N	Р	Р	S	, How much		3	How
			I T	H O	O T	UL	was applied per acre per	1 Pounds	How many	many times
N E			R O	S P	A S H	FU	application?	12 Gallons 13 Quarts	acres was this applied to?	was it applied?
			O G E N	H A	н	R	[Leave this column blank	15 Liquid Oz.		
			N	T E			if actual	28 Dry Oz. 19 Actual		
		0000		-			nutrients were	Nutrients		
	CROP	CROP CODE	N	P ₂ 0 ₅	K ₂ 0	S	reported.]		ACRES	NUMBER
18			31	32	33	34		37	40	41
			31	32	33	34	36	37	40	41
19			31	32	33	34	· 36	37	· 40	41
20			24	32	22	24	·	37	·	44
21			31		33	34	36 •	37	40 •	41
22			31	32	33	34	36 •	37	40 	41
23			31	32	33	34	36	37	40	41
24			31	32	33	34	36	37	40	41
25			31	32	33	34	36	37	40	41
			31	32	33	34	· 36	37	40	41
26		1	31	32	33	34	· 36	37	· 40	41
27			31	32	33	34	· 36	37	· 40	401
28							•		·	
29			31	32	33	34	36 •	37	40 •	41
30			31	32	33	34	36 •	37	40	41
31			31	32	33	34	36 •	37	40	41
32			31	32	33	34	36	37	40	41
			31	32	33	34	· 36	37	40	41
33			31	32	33	34	· 36	37	· 40	41
34							·		·	
35			31	32	33	34	36 •	37	40 •	41
36			31	32	33	34	36 •	37	40 •	41
37			31	32	33	34	36	37	40	41
38			31	32	33	34	36	37	40	41
		<u> </u>	31	32	33	34	· 36	37	40	41
39			31	32	33	34	· 36	37	· 40	41
40							·		•	

С

NOTES

PESTICIDE APPLICATIONS

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

D

2. 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 2014 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, nematicides, 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	LINE 399 99
	L I N E	1	2	3 What products were applied to the [<i>crop</i>]?	4 Was this product bought in liquid or dry form?	5 Was this part of a tank mix? [<i>If tank mix, enter</i> <i>line number</i>
CHEMICAL PRODUCT NAME		CROP	CROP CODE	[Enter product code.]	[Enter L or D.]	of first product
	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

- 11 -

CODES FOR COLUMN 8

1 POUNDS 1	4 PINTS	30 GRAMS	46 SPIRALS
12 GALLONS 1	5 OUNCES, LIQUID	40 KILOGRAMS	47 PACKETS
13 QUARTS 2	28 OUNCES, DRY	41 LITERS	50 OTHER (Specify)

	6 O	R 7	8	9	10
L I N E	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		83
04	65 ·	73	74		83
05	65 	73	74		83
06	65 ·	73	74		83
07	65 ·	73	74	77	83
08	65 ·	73	74		83
09	65	73	74		83
10	65 ·	73	74		83
11	65 	73	74		83
12	65 ·	73	74		83
13	65 ·	73	74		83
14	65 ·	73	74		83
15	65 	73	74		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.

D

D

D

		1	2	3	4	5
CHEMICAL	L I N E		CROP	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
PRODUCT NAME		CROP	CODE	[Enter product code.]	[Enter L or D.]	in mix.]
	16			61		63
	17			61		63
	18			61		63
	19			61		63
	20			61		63
	21			61		63
	22			61		63
	23			61		63
	24			61		63
	25			61		63
	26			61		63
	27			61		63
	28			61		63
	29			61		63
	30			61		63
	31			61		63
	32			61		63
	33			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.

- 12 -

PESTICIDE APPLICATIONS

- 13 -

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 (Specify)

	6 C	PR 7	8	9	10
L I N E	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
16	65 	73	74	77 ·	83
17	65 	73	74		83
18	65 	73	74		83
19	65 	73	74	77 ·	83
20	65 ·	73	74		83
21	65 ·	73	74	77 ·	83
22	65 ·	73	74		83
23	65 ·	73	74		83
24	65 ·	73	74		83
25	65 ·	73	74	77 ·	83
26	65 ·	73	74		83
27	65 ·	73	74	77 ·	83
28	65 ·	73	74		83
29	65 	73	74		83
30	65 ·	73	74		83
31	65 ·	73	74		83
32	65 ·	73	74		83
33	65 ·	73	74		83

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

 Pesticide Type
 Trade name and Formulation
 Form Purchased (Liquid or Dry)
 EPA Reg. No.

D

D

PEST MANAGEMENT PRACTICES

- 14 -

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.	1. [Enumerator Action: Were PESTICIDE APPLICATIONS reported in Section B, column 5 on page 5?]				
	□ YES - [Continue.]	No - [Go to item 5.]			
			CODE		
2.	Was weather data used to assist in determ when to make pesticide applications?	600 YES = 1			
3.	Were any biological pesticides such as Bt insect growth regulators (<i>Courier, intrepid,</i> natural/biological based products sprayed	ts?YES = 1			
4.	 Were pesticides with different mechanisms of action rotated or tank mixed for the primary purpose of keeping pests from becoming resistant to pesticides?				
5.	vegetable acres primarily scouted for insects, weeds, diseases and/or beneficial 3 The v	able acres primarily 2 By conducting general observations while performing routine tasks. (Enter code 2 and go to item 8.) ses and/or beneficial 3 The vegetable acres were not scouted.			
6.	Was an established scouting process used (systemic sampling, recording counts, insect traps, etc.) on any vegetable acres?				
7.	Was scouting for pests done on these vege	etable acres due to			
	a. a pest advisory warning?				
	b. a pest development model?		YES = 1		
	1		2 [<i>If column 1 is YES, ask</i>] Who did the majority of the scouting for [<i>column 1</i>]— 1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout		
8.					
		YES = 1 612	CODE 614		
	a. weeds?	615	617		
	b. insects and mites?	618	620		
	c. disease?				

Ε

PEST MANAGEMENT PRACTICES

Ε

1 Incomp/R 3 Valid Zero 200

- 15 -

				CODE
9.	Were written or electronic records kept to numbers of weeds, insects or diseases?.		YES = 1	623
10.	Was scouting data compared to published thresholds to determine when to take mean		YES = 1	624
11.	Was field mapping data used for making	pest management decisions?	YES = 1	625
12.	Were the services of a diagnostic laborate soil or plant tissue pest analysis?		YES = 1	626
13.	Were crop residues plowed down or remo	oved to manage pests?	YES = 1	627
14.	Were crops rotated during the past three	years for the purpose of managing p	pests? YES = 1	628
15.	Were ground covers, mulches, or other pl maintained to manage pest problems?		YES = 1	629
16.	Was a crop variety chosen because it had	d resistance to a specific pest?	YES = 1	630
17.	Was no-till or minimum till used to manag	je pests?	YES = 1	631
18.	Were planting locations planned to avoid	infestation of pests?	YES = 1	632
19.	Were planting or harvesting dates adjuste	ed to manage pests?	YES = 1	633
20.	Were row spacing or plant density adjuste	ed to manage pests?	YES = 1	634
21.	Was a trap crop grown to help manage in	sects?	YES = 1	635
22.	Were any beneficial organisms (<i>insects, n</i> applied or released to manage pests?		YES = 1	636
23.	Were floral lures, attractants, repellants, p other biological pest controls used on any		YES = 1	637
24.	Were any vegetable acres cultivated for v	veed control during the growing sea	son? YES = 1	640
25.	Were field edges, lanes, ditches, roadway mowed, plowed, or burned to manage pe		YES = 1	642
26.	Were equipment and implements cleaned field work to reduce the spread of pests?		YES = 1	643
27.	Were any vegetable acres irrigated for the	e 2014 crops?	YES = 1	644
	a. [<i>If item</i> 27 = YES, ask]			
	Were water management practices (e such as irrigation scheduling, controll of retention water used to manage pe	ed drainage, or treatment	YES = 1	645
	COMPLETION CODE for FERTILIZER APPLICATIONS	COMPLETION CODE for PESTICIDE APPLICATIONS	COMPLETION CODE for PEST MANAGEMENT PRAC	

1 Incomp/R 3 Valid Zero 300

1 Incomp/R

500

Ε

CONCLUSION

1.	To receive the complete results of this survey on the release date, go to		CODE
	www.nass.usda.gov/results/. Would you rather have a brief summary	'ES = 1	9990
	[Thank the respondent, then review this questionnaire.]		
EN	DING TIME [<i>MILITARY</i>]		005
			OFFICE USE TIME IN HOURS
			006 ·
		_	

RECORD USE		CODE
		064
Did respondent use operation records to report pesticide data?	YES = 1	

SUPPLEMENT USE

SURVEY RESULTS

Record the total number of supplements used to complete this interview.						
	067					
Fertilizer Supplements.						
	068					
Pesticide Supplements						

	9911
Reported by:	Telephone No. ()

Response		Respondent		Mode		Enum	Eval	Dat MM DE	R Unit	Duplication Adjustor	Optional
1-Comp 2-R 3-Inac 4-Office Hold	9901	1- Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Other	9902	2-Tel 3-Face-to - Face	9903	9998	9900	9910	 9921 Off 9989 	0922 fice Use for P(0002 DID
S/E Name											