2024 VEGETABLE CHEMICAL USE SURVEY

OMB No. 0535-0218 Approval Expires: xx/xx/20xx Project Code: 136 SurveyID: 2069



USDA/NASS

National Operations Division 9700 Page Avenue, Suite 400 St. Louis, MO 63132-1547 Phone: 1-888-424-7828 FAX: 1-855-415-3687

FAX: 1-855-415-3687 Email: nass@usda.gov

				ENTERP	RISE
VERSION 01		POID	SUBTRACT		
		С	ONTACT RECORD	4	
DATE	TIME			NOTES	
					-
INTRODUCTIO	NI:				
		ι for the operator. Rephrase in γ	our own words 1		
as possible. The person who willf is conducted in a applicable Fede Response is vol According to the collection of info complete this int searching existing	e information in information in information with the information unless of the information unles	n you provide will be used for states any identifiable information about the Confidential Information or more information on how we prove the Reduction Act of 1995, an agencies it displays a valid OMB controllection is estimated to average 6	tistical purposes of out you or your open Protection provision otect your information by may not conduct of number. The validation of minutes per response data needed, and	and need your help to make the informally. Your responses will be kept confideration is subject to a jail term, a fine, cons of Title V, Subtitle A, Public Law 10 tion please visit: https://www.nass.usd.t or sponsor, and a person is not required OMB control number is 0535-0218. ponse, including the time for reviewing and completing and reviewing the collections.	lential and any or both. This survey 07-347 and other la.gov/confidentiality. ired to respond to, a The time required to instructions, ction of information.
					H H M M
BEGINNING TIME	E [MILITARY]				
□ Name, addı	ress, and pa	artners verified and updated i	f necessary.		
	intending to			ducted in June and July, your operify some of the information collect	

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 on next page.

CHANGE IN OPERATOR STATUS

[Enumerator Note: Skip this se	ection if there is no change	e in operation name or operator.]	
1. Has there been a change i	n operation name or opera	tor?	
023 ₁ Yes – Continue	3 □ №	 Go to Enumerator Note below. 	
		Operation Name	
		Operator Name	_
		Address	
		l =	Check if cell phone
for the part over by a r	t of the year during which t new operator. If the operat	in business part of the 2024 crop year, complete this que he operation did business, unless the operation has been for has changed midyear, please conduct this interview sta ding "Valid Substitution" rules in section 4 of the Interviewe	taken rt to
·	on this questionnaire been Conclusion 3 □ No	combined or merged with any other farming operations? – Continue	

SCREENING

1.	Did this operation have any of	the target c	rops d	uring the 2	024 crop yea	ar? [See page	5 for target cro	ps.]	
	₁ Yes – Continue	з 🗌 No	– Writ	e notes ex	plaining the s	situation, then (Go to Conclusio	on.	
2.	Are the day-to-day decisions	for this oper	ation (name on la	abel) made b	y — [Check on	e]		
	₁☐ one individual? [G	o to Section	Α]						
	₈ □ a hired manager?	[Go to Sect	ion A]						
	₂ partners? [Contin	ue]							
3.	How many individuals are inve								Number
	partners, including the partner then go to Section A. Partner	s jointly oper	rate lar	nd and sha	re in decisio	n making. Do r	not include		
	landlords and tenants as parti	ners							
4.	Please identify the other personecessary corrections if name					n A. Verify par	ners' names a	nd make	
	Check if verified				Check if	verified			
Na	POID				Name:				
	nme:								
Cit			Zip:		City:		State:	Zip:	
	,			check if cell phone					check if cell phone
Ph	one: ()				Phone: ()			. 🗆
	Check if verified POID				Check if	verified POID			
Na	me:				Name:				
	ldress:								
Cit	ty: St	ate:	Zip:		City:		State:	Zip:	
				check if cell phone					check if cell phone
Ph	none: ()				Phone: ()			. 🗆

<u>A</u>	LAND OPERATED	A
Ac	res Operated	
	numerator Action: If acreage on the insert is verified as correct, enter code 1 in box 801, then skip to ction B. If acreage has changed, ask all questions.]	801
No	w 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, pastureland, wasteland, and government	program land?
	₁ ☐ Yes – Continue ₃ ☐ No – Make corrections, then continue.	
Th	e remaining questions in this survey refer to these (item 2) acres.	

4. Of the total acres operated, how many acres are vegetables? INCLUDE both target and non–target vegetables planted on the operation......

TARGET CROPS & CODES

	FLORIDA
613	Beans, Snap
808	Cabbage
766	Corn, Sweet
798	Cucumbers
736	Peppers, Bell
742	Squash
770	Tomatoes
752	Watermelons

	GEORGIA				
613	Beans, Snap				
808	Cabbage				
766	Corn, Sweet				
798	Cucumbers				
824	Onions				
736	Peppers, Bell				
742	Squash				
752	Watermelons				

	ILLINOIS
613	Beans, Snap
738	Pumpkins

	INDIANA
738	Pumpkins
752	Watermelons

	MICHIGAN
701	Asparagus
613	Beans, Snap
798	Cucumbers
742	Squash

	MINNESOTA
766	Corn, Sweet
855	Peas, Green

	NEW JERSEY
736	Peppers, Bell
742	Squash

	NEW YORK
613	Beans, Snap
808	Cabbage
766	Corn, Sweet
824	Onions
738	Pumpkins
742	Squash

	NORTH CAROLINA
798	Cucumbers
736	Peppers, Bell
738	Pumpkins
742	Squash
752	Watermelons

		OHIO	
738	Pumpkins		

	OREGON						
613	Beans, Snap						
766	Corn, Sweet						
824	Onions						
855	Peas, Green						
742	Squash						

	PENNSYLVANIA					
613	Beans, Snap					
738	Pumpkins					

TEXAS					
808	Cabbage				
798	Cucumbers				
824	Onions				
738	Pumpkins				
752	Watermelons				

WASHINGTON					
701	Asparagus				
632	Carrots				
766	Corn, Sweet				
824	Onions				
855	Peas, Green				

	WISCONSIN					
613	Beans, Snap					
808	Cabbage					
632	Carrots					
766	Corn, Sweet					
798	Cucumbers					
855	Peas, Green					

	Table 001
Office Lines in	e Use n Table
Line 99	199

	1	2	3	4	5
L – Z E			How many acres were planted for harvest in the 2024 crop year? (INCLUDE 2024 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?
	Crop	Crop Code	Acres	Yes = 1 No = 3	Yes = 1 No = 3
01			11	12	13
02			11	12	13
03			11	12	13
04			11	12	13
05			11	12	13
06			11	12	13
07			11	12	13
08			11	12	13
09			11	12	13
10			11	12	13
11			11	12	13
12			11	12	13
13			11	12	13
14			11	12	13
15			11	12	13

INCLUDE

- Target Crops Only
- All acreage of target crops for processing or fresh market.
- All acreage equal to or greater than one tenth of an acre.
- All acreage of target crops for roadside stands, farmer's markets, or U-pick sales.
- Crops planted in the fall of 2023 if they were part of the 2024 crop.
- Double cropping

EXCLUDE

- All crops grown in another state.
- All crops grown in greenhouses, hothouses, and home gardens.
- Plantings of crops not intended for harvest in 2024.
- New plantings and other plantings which are not yet bearing (asparagus).
- All vegetables grown for commercial transplanting.
- All mushrooms, potatoes, dry beans, sweet potatoes.
- All vegetable acreage grown for seed only.
- All vegetable acres grown by institutional, experimental, research, and university farms.
- Non–target vegetables

Notes:			

NOTES

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.

 I need to record complete information on all commercial fertilizers applied to the target vegetables grown during the 2024 crop year. INCLUDE all applications regardless of how they were applied such as irrigation water, foliar applications, etc. Record amount of an 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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	1	2	3	4	5	6	7	8	9	10
L – Z E			N I T R O G E N	P H O S P H A T E	P O T A S H	S U L F U R	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?	How many times was it applied?
	Crop	Crop Code	N	P ₂ O ₅	K₂O	S			Acres	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

	1	2	3	4	5	6	7	8	9	10
	·	_	N I T	P H O	P O T	S U L	How much was applied per acre per application?	Unit Codes 1 Pounds	How many acres was this applied to?	How many times was it applied?
L			R O	S P	A S	F U	[Leave this column	12 Gallons 13 Quarts		
N			G	H	Н	R	blank if actual	15 Liquid Oz.		
E			E N	A T			nutrients were	28 Dry Oz. 19 Actual		
				E			reported.]	Nutrients		
	Crop	Crop Code	N	P ₂ O ₅	K ₂ O	S			Acres	Number
18			31	32	33	34	36	37	40	41
19			31	32	33	34	36	37	40	41
20			31	32	33	34	36	37	40	41
21			31	32	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
26			31	32	33	34	36	37	40	41
27			31	32	33	34	36	37	40	41
28			31	32	33	34	36	37	40	41
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
33			31	32	33	34	36	37	40	41
34			31	32	33	34	36	37	40	41
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
39			31	32	33	34	36	37	40	41
40			31	32	33	34	36	37	40	41

COMPLETION CODE FOR FERTILIZER APPLICATIONS

1 Incomp/R 200
3 Valid Zero

[Enumerator Action: If pesticides were reported in Section B, column 5, continue. Otherwise, go 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 2024 crop year to each of the target vegetable crops you grew. Let's start with the first application to your crop since the 2023 crop year harvest.

INCLUDE 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	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?
Chemical Product Name	N E	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

Line No.	(Herbicide, insecticide, fungicide, etc.)	and Formulation	(Liquid or Dry)	EPA Reg. No.

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 (Specify:)

	6 (DR 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?	How many times was this product applied?
			Code	Acres	Number
01	65	73	74		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

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

Г				Г		1
		1	2	3	4	5
	Ļ			What products were applied to the [crop]?	Was this product bought in liquid or dry form?	Was this part of a tank mix?
Chemical	I N E					[If tank mix, enter line number of first
Product Name		Crop	Crop Code	[Enter product code.]	[Enter L or D.]	product 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

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

Codes for Column 8

	00000101	00	Idiliii O
1	Pounds	30	Grams
12	Gallons	40	Kilograms
13	Quarts Pints	41	Liters
14	Pints	46	Spirals
15	Ounces, Liquid	47	Packets
28	Ounces, Dry	50	Other

	6 C)R 7	8	9	11
L I N	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 this product applied?
E			Code	Acres	Number
16	65	73	74	77	79
17	65	73	74	77	79
18	65	73	74	77	79
19	65	73	74	77	79
20	65	73	74	77	79
21	65	73	74	77	79
22	65	73	74	77	79
23	65	73	74	77	79
24	65	73	74	77	79
25	65	73	74	77	79
26	65	73	74	77	79
27	65	73	74	77	79
28	65	73	74	77	79
29	65	73	74	77	79
30	65	73	74	77	79
31	65	73	74	77	79
32	65	73	74	77	79
33	65	73	74	77	79
	ı		not listed in	Respondent Booklet	:£. 1

COMPLETION CODE for PESTICIDE APPLICATIONS

1 Incomp/R	300
3 Valid Zero	

Line No.	Pesticide Type (Herbicide, insecticide, fungicide, etc.)	Trade Name and Formulation	Form Purchased (Liquid or Dry)	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.

[E	numerator Action: Were pesticide applications re	eported in Section	on B, column 5 on page 6?]			
	1 Yes − Continue 3	☐ No – Go to ite	m 4			
1.	Was weather data used to assist in determining applications?			Yes=1 No=3	600	Code
2.	Were any biological pesticides such as Bt (Bacas Courier, Intrepid, etc., neem or other natural manage pests?	Yes=1 No=3	601			
3.	Were pesticides with different mechanisms of a purpose of keeping pests from becoming resist	Yes=1 No=3	602			
4.	In 2024, how were your vegetable acres	1 By delibera specifically and go to it		(Code	
	primarily scouted for insects, weeds, diseases, and/or beneficial organisms?	2 By conduct performing item 7.		608		
		ble acres were not scouted. Enter go to item 10.				
					(Code
5.	Was an established scouting process used suctraps, etc., on any vegetable acres?			Yes=1 No=3	609	
6.	Was scouting for pests done on these vegetable	le acres due to –	_			Code
	a. a pest advisory warning?	Yes=1 No=3	610			
	b. a pest development model?	Yes=1 No=3	611			
	1	2	3 [If column 2 = Yes, ask—] Who did the majority of the scouting fo 1 Operator, partner or family members 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or co	er		ut
7.	Were your vegetable acres scouted for —	Yes = 1 No = 3	5 Processor 6 Other: (specify:)
	a. weeds?	612	614			
	b. insects or mites?	615	617			
	c. disease?	618	620			

			Code
8.	Were written or electronic records kept to track the activity or numbers of weeds, insects, or diseases?	Yes=1 No=3	623
9.	Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests?	Yes=1 No=3	624
10.	Was field mapping data used for making pest management decisions?	Yes=1 No=3	625
11.	Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis?	Yes=1 No=3	626
12.	Were crop residues plowed down or removed to manage pests?	Yes=1 No=3	627
13.	Were crops rotated during the past three years for the purpose of managing pests?	Yes=1 No=3	628
14.	Were ground covers, mulches, or other physical barriers maintained to manage pest problems?	Yes=1 No=3	629
15.	Was a crop variety chosen because it had resistance to a specific pest?	Yes=1 No=3	630
16.	Was no–till or minimum till used to manage pests?	Yes=1 No=3	631
17.	Were planting locations planned to avoid infestation of pests?	Yes=1 No=3	632
18.	Were planting or harvesting dates adjusted to manage pests?	Yes=1 No=3	633
19.	Were row spacing or plant density adjusted to manage pests?	Yes=1 No=3	634
20.	Was a trap crop grown to help manage insects?	Yes=1 No=3	635
21.	Were any beneficial organisms such as insects, nematodes, or fungi applied or released to manage pests?	Yes=1 No=3	636
22.	Were floral lures, attractant repellants, pheromone traps, or other biological pest controls used on any vegetable acres?	Yes=1 No=3	637
23.	Were any vegetable acres cultivated for weed control during the growing season?	Yes=1 No=3	640
24.	Were field edges, lanes, ditches, roadways, or fence lines chopped, mowed, plowed, or burned to manage pests on any vegetable acres?	Yes=1 No=3	642
25.	Were equipment and implements cleaned after completing field work to reduce the spread of pests?	Yes=1 No=3	643
26.	Were any vegetable acres irrigated for the 2024 crop?	Yes=1 No=3	644
	tem 26 = Yes, ask —]	0	
··· ·	Were water management practices, excluding chemigation, such as irrigation scheduling,	V 4	645
	controlled drainage, or treatment of retention water used to manage pests?	Yes=1 No=3	

COMPLETION CODE for PEST MANAGEMENT PRACTICES						
1 Incomp/R	500					

CONCLUSION

·· carrey	. 1000	101 10		-	ts of this survey						***		
1095			10 flave a L	niei summai	y emailed to yo	u, pie	ease ente	er you	ur erriali ac	auress.			
[Thank the i	respo	ndent,	then review th	is questionr	naire.]								
													H M N
												0005	
Ending time	: [Milit	ary]											
													Office Use ne in Hours
												006	
													•_
Record Us	е												
[Did respon	dent	use ope	eration record	s to report –	-]								Code
											Yes=1	026	
Fertiliz	zer da	ta				•••••					No=3	004	
Pestic	ide da	ata									Yes=1 No=3	064	
1 00110	ido di										140-5		
Supplemer	nt Use	9											
Record the	total	numbe	er of suppleme	ents used to	complete this i	inter	view.1						
					'		•						Number
												067	Number
Fertiliz	zer Su	ıppleme	ents										
												068	
Pestic	ide S	upplem	ents										
Contact Info			om above)				Operation	on Ph	one:				
9937	(&						9936						check
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Respondent Na	ame:				spondent Phone:	(if diff	erent from	above					
9912				99) -				cell phone	9910 MM	[DD	YYYY
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					OFFICE U	ISF							
R. Unit	Ptr	1 Str	Ptr 2 Str	Ptr 3 Str			OPS		SSO 1	ADJ		Option	nal Use
9921	9922		9923	9927	9928	923	3	990)7	922	9906	6	9916
Res	ponse		Resne	ondent	Mo	de		1	Enum.		PO	ID]
1-Comp		9901	1-Op/Mgr	9902	2-PATI (tel)	ç	9903	9998		9989			
2-R 3-Inac			2-Spouse 3-Acct/Bkpr		3-PAPI (Face-to								
4-Office Hold			4-Partner 9-Other							Eval.			hange
		l	1	1		1		1		9900		9985	

9900

9985