2022 VEGETABLE CHEMICAL USE SURVEY

OMB No. 0535-0218 Approval Expires: 11/30/2023 Project Code: 136 SurveyID: 2069



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				ENTERPRISE	
VERSION POID 01		SUBTRACT			
		CC	ONTACT RECORD	_	
DATE	TIME			NOTES	
We are collecting as possible. The person who will is conducted in applicable Feder Response is vortically to the collection of infection of infection applies this in searching existing the collection of infection	rself, and asing information in information fully disclose accordance eral laws. Folluntary. Paperwork ormation unliformation cong data sour	n you provide will be used for statices any identifiable information about with the Confidential Information For more information on how we prove Reduction Act of 1995, an agency less it displays a valid OMB control billection is estimated to average 60	gement practices istical purposes of ut you or your operated in provision of the conduction of the con	s and need your help to make the information as according. Your responses will be kept confidential and an eration is subject to a jail term, a fine, or both. This ons of Title V, Subtitle A, Public Law 107-347 and o otton please visit: https://www.nass.usda.gov/confident or sponsor, and a person is not required to resport to OMB control number is 0535-0218. The time required ponse, including the time for reviewing instructions, and completing and reviewing the collection of inform	survey ther entiality. and to, a uired to
BEGINNING TIM	E [MILITARY]			004 ————	M M
□ Name, add	ress, and p	partners verified and updated if	necessary.		
	intending to			nducted in June and July, your operation was for rify some of the information collected during th	

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 section if there is no change	in operation name or operator.]	
		Code
Has there been a change in operation name or opera	tor?	
[If item 1 = 1, continue If item 1 = 3, go to Enumerator Note below.]		
	Operation Name	
	Operator Name	
	Address	
	Phone ()	Check if cell phone
over by a new operator. If the operat	in business part of the 2022 crop year, complete this que he operation did business, unless the operation has beer or has changed midyear, please conduct this interview st ding "Valid Substitution" rules in section 4 of the Interview	ı taken art to
 Has the operation printed on this questionnaire been 1 ☐ Yes – Go to Conclusion 3 ☐ No – Continue 	combined or merged with any other farming operations?	

SCREENING

1.	Did this operation have any of the targ	get crops during the 2	2022 crop year? [S	See page 5 fo	r target crops	s.]
	Yes - Continue					
	☐ No - Write notes explainino	g the situation then g	o to Conclusion on	back page.		
2.	Are the day-to-day decisions for this c	pperation (name on la	abel) made by [C	heck one]		
	one individual? [Go to Sec	tion A]				
	a hired manager? [Go to S	Section A]				
	partners? [Continue]					
3.	How many individuals are involved in partners, including the partner named then go to Section A. Partners jointly landlords and tenants as partners	on the label. Identif operate land and sha	y the other persons are in decision mak	s in this partne king. Do not i	ership below nclude	
4.	Please identify the other person(s) in necessary corrections if names have			Verify partner	s' names and	d make
Pa	rtners: POID		Partners: POID			
	RTNER NAME		PARTNER NAME			
ADI	DRESS		ADDRESS			
CIT	Y STATE ZIP	PHONE NUMBER	CITY	STATE	ZIP	PHONE NUMBER
PH	ONE NUMBER	Check if cell phone	PHONE NUMBER			Check if cell phone
Pa	rtners: POID		POID			
PAF	RTNER NAME		PARTNER NAME			
ADI	DRESS		ADDRESS			
CIT	Y STATE ZIP	PHONE NUMBER	CITY	STATE	ZIP	
PH	ONE NUMBER	Check if cell phone	PHONE NUMBER			Check if cell phone

Α	LAND OPERATED	Α
Acres	Operated	
	nerator Action: If acreage on the insert is verified as correct, enter code 1 in box 801, then skip to on 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. Ho	ow 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. [C	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.]	
The re	emaining questions in this survey refer to these [item 2] acres.	

3. Of the total acres operated, how many acres are considered cropland? INCLUDE 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? INCLUDE both target and non-target vegetables planted on the operation......

802

803

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					

	ОНЮ								
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					
623	Carrots					
766	Corn, Sweet					
798	Cucumbers					
855	Peas, Green					

1. What target vegetable crops were on these [Section A, item 4] acres during the 2022 crop year? EXCLUDE new plantings of vegetables not intended for harvest in 2022.

	Table 001		
Office Use Lines in Table			
Line 99	199		

	1	2	3	4	5
LINE			How many acres were planted for harvest in the 2022 crop year? (INCLUDE 2022 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 bearing acreage of target crops for roadside stands, farmer's markets or U-pick sales.
- Crops planted in the fall of 2021 if they were part of the 2022 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 2022.
- 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:				

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 9.

 I need to record complete information on all commercial fertilizers applied to the bearing acres of target fruit grown during the 2022 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
200	

Office Use Lines in Table 001 299

				1	1					
	1	2	3	4	5	6	7	8	9	10
L I N 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? [Include bearing acres only]	How many times was it applied?
	Crop	Crop Code	N	P ₂ O ₅	K ₂ O	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	23	33	34	36	37	40	41
17			31	32	33	34	36	37	40	41

FERTILIZER APPLICATIONS

	1	2	3	4	5	6	7	8	9	10
L I N E			N I T R O G E N	PHOSPHATE	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? [INCLUDE bearing acres only]	How many times was it applied?
	Crop	Crop Code	N	P ₂ O ₅	K₂O	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	23	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

D

[Enumerator Action: If pesticides were reported in Section B, column 4, 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 2022 crop year to each of the target vegetable crops you grew. Let's start with the first application to your crop since the 2021 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 001	399
Lines in Table	001	

		1	2	3	4	5
Chemical Product Name	LIZE	Crop	Crop Code	What products were applied to the [crop]? [Enter product code.]	Was this product bought in liquid or dry form? [Enter L or D.]	Was this part of a tank mix? [If tank mix, enter line number of first product in mix.]
				61		63
	01					00
	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.	Pesticide Type (Herbicide, Insecticide, fungicide, etc.)	Trade Name and Formulation	Form Purchased (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:)

Office U	lse
----------	-----

D

300

	6	OR 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	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

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

		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.]
T Todast Hamo		0.00	Crop Codo	61	[Enter 2 of B.]	63
	16			01		00
	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.

50 Other

PESTICIDE APPLICATIONS

		Codes for Colu	ımn 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

	6	OR 7	8	9	11
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? [Include bearing acres only.]	How many times was this product applied?
			Code	Bearing Acres	Number
16	65	73	74	77	79
16	65	73	74	77	79
17	•	•	74	•	1.9
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
				Pospondont Booklot, sp	···

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.

[Er	num	erator Action: Were pesticide applications re	eported in Section	n B, column 5 on page 5?]			
	Yes	- Continue					
						Code	
1.		s weather data used to assist in determining blications?			Yes=1 No=3	600	
2.		re any biological pesticides such as Bt (<i>Baci</i>					
		Courier, intrepid, etc., neem or other natural/ nage pests?	•		Yes=1 No=3	601	
3.		re pesticides with different mechanisms of a pose of keeping pests from becoming resista			Yes=1 No=3	602	
			ely going to the vegetable acres or scouting activities. Enter code 1 m 5.				
4.		2022, how were your vegetable acres marily scouted for insects, weeds,		g general observations while		Code 608	
		eases and/or beneficial organisms?	performing ro item 7.	outine tasks. Enter code 2 and go to		000	
			3 The vegetabl code 3 and g	e acres were not scouted. Enter o to item 10.			
		_				Code	
5.		s an established scouting process used suclos, etc., on any vegetable acres?			Yes=1 No=3	609	
6.	Wa	s scouting for pests done on these vegetable	e acres due to			Code	
		3 1			Yes=1	610	
	a.	a pest advisory warning?			No=3		
	b.	a pest development model?			Yes=1 No=3	611	
			1	2			
			·	[If column 1 = Yes, ask] Who did the majority of the scouting t	for [colu	umn 1]?	
				1 Operator, partner or family mem	ber		
				2 An employee3 Farm supply or chemical dealer			
				4 Independent crop consultant or			
7.	We	re your vegetable acres scouted for		5 Processor 6 Other: (specify:		,	
			Yes = 1 No = 3	Code		/	
	a.	weeds?	612	614			
	b.	insects or mites?	615	617			
			618	620			
	C.	disease?					

			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
	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 2022 crop?	Yes=1 No=3	644
[lf i	tem 26 = Yes, ask]		
	a. Were water management practices, excluding chemigation, such as irrigation scheduling, controlled drainage, or treatment of retention water used to manage pests?	Yes=1 No=3	645

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

COMPLETION CODE for PEST MANAGEMENT PRACTICES						
1 Incomp/R	500					

CONCLUSION

1.	To receive the complete results of this survey on the release https://www.nass.usda.gov/Surveys/Guide_to_NASS_Surve		o to					
To yo	have a summary emailed to you at a later date, please enter ur email address.	1095						
[Th	nank the respondent, then review this questionnaire.]							
							Н	н м м
							0005	
En	ding time [Military]							
								Office Use ne in Hours
							006	•
Re	ecord Use							Code
Dio	d respondent use operation records to report pesticide data?					Yes= No=		
Su	pplement Use							
[R	ecord the total number of supplements used to complete this	intervie	w.]					
								Number
							068	Trainibol
	Pesticide Supplements							
	ntact Information							
Оре 993	eration Email: (if different from above)		Operation 9936	Phone:				check if
330	<i>11</i>		()				cell phone
Res	pondent Name: Respondent Phone:	(if differe	nt from abo	ove)	ı			1
991	9911			check if cell phone	9910 Date:	MM	DD	YYYY
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			.	Date.			

				OFFICE US	SE .					
R. Unit	Ptr 1 St	r Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optio	Optional Use	
9921	9922	9923	9927	9928	923	9907	922	9906	9916	
Res	Response Respondent		ondent	Mode		Enum.	POID		<u> </u>	
1-Comp 2-R 3-Inac 4-Office Hold	990	1 1-Op/Mgr 2-Spouse 3-Acct/Bkpr 4-Partner 9-Other	9902	2-PATI (tel) 3-PAPI (Face-to- Face)		9998	9989 	9985	Change	