



2010 VEGETABLE CHEMICAL USE SURVEY



NATIONAL AGRICULTURAL STATISTICS SERVICE

U.S Department of Agriculture
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California Version

California Enterprise

VERSION 01	POID _____	SUBTRACT __	T-TYPE 0	TABLE 000	LINE 00
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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. Authority for collection of information on the Vegetable Chemical Use Survey is Title 7, Section 2204 of the U.S. Code. Under Title 7 of the U.S. Code and CIPSEA (Public Law 107-347), facts about your operation are kept **confidential** and used only for statistical purposes. Response is **voluntary**.

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

BEGINNING TIME [MILITARY]. 004

Name _____
 Address _____

 Phone (____) _____

[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 “California Screening,” page 4.*
- *If changed, go to “Change in Operating Status,” page 2.*

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.]

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

CODE

023

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

[**ENUMERATOR NOTE:** If the operation on the face page was in business part of the 2010 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.]

CHANGE IN OPERATING STATUS

3. Did this operation have any of the target crops during the 2010 crop year? (Refer to list on bottom of Section B, page 6.)

YES - [Continue.]

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

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

one individual? [Go to "California Screening," page 4.]

a hired manager? [Go to "California Screening," page 4.]

partners? [Continue.]

5. **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 "California Screening," page 4.]

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

NUMBER

PARTNERS POID _____	PARTNERS POID _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER
PARTNERS POID _____	PARTNERS POID _____
PARTNER NAME	PARTNER NAME
ADDRESS	ADDRESS
CITY STATE ZIP PHONE NUMBER	CITY STATE ZIP PHONE NUMBER

CALIFORNIA SCREENING

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

[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 A11 questions.]

CODE

801

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

1. How many acres does this operation---

ACRES

901

a. Own? +

902

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

905

c. Rent to others? -

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?

ACRES

802

4. Of the total acres operated, how many acres are vegetables?

(Include both target and non-target vegetables planted on the operation.)

803

B**VEGETABLE ACREAGE****B**

1. What **target vegetables** were on these [Section A, item 2] acres during the 2010 crop year?

T-TYPE 1	TABLE 001
OFFICE USE LINES IN TABLE	
LINE 99	199

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 2009 crop year on these [crop] acres? MM DD YY	On what date did you complete harvest of your 2010 crop year [crop]? MM DD YY
01		101	102	108	109	110	111
02		101	102	108	109	110	111
03		101	102	108	109	110	111
04		101	102	108	109	110	111
05		101	102	108	109	110	111
06		101	102	108	109	110	111
07		101	102	108	109	110	111
08		101	102	108	109	110	111
09		101	102	108	109	110	111
10		101	102	108	109	110	111
11		101	102	108	109	110	111
12		101	102	108	109	110	111
13		101	102	108	109	110	111
14		101	102	108	109	110	111
15		101	102	108	109	110	111

CALIFORNIA – CROP CODES

102 ASPARAGUS	CARROTS	13 HONEYDEW	SQUASH
BEANS, SNAP	2107 FRESH MARKET	LETTUCE	1188 SQUASH, SUMMER
2131 FRESH MARKET	4107 PROCESSING	117 HEAD	3188 SQUASH, WINTER
104 BROCCOLI	109 CELERY	149 OTHER, <i>includes Romaine</i>	74 STRAWBERRIES
CABBAGE	CORN, SWEET	120 ONIONS, BULB	TOMATOES
2106 FRESH MARKET	2110 FRESH MARKET	126 PEPPERS, BELL	2134 FRESH MARKET
4 CANTALOUPE	CUCUMBERS	128 PUMPKINS	4134 PROCESSING
108 CAULIFLOWER	2111 FRESH MARKET	SPINACH	33 WATERMELONS
	114 GARLIC	2132 FRESH MARKET	

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>INCLUDE: 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 2009 if they were part of the 2010 crop. Double Cropping.</p>	<p>EXCLUDE: 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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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 E, page 10.

1. I need to record complete information on all commercial fertilizers applied to the **target vegetables** grown during the 2010 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.]

T-TYPE 002	TABLE 001
OFFICE USE LINES IN TABLE	
LINE 99	299

LINE	1	2	3	4	5	6	7	8	9	10
	CROP	CROP CODE	N	P ₂ O ₅	K ₂ O	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		201	202	203	204	214	205 .__	206	207 .__	208
02		201	202	203	204	214	205 .__	206	207 .__	208
03		201	202	203	204	214	205 .__	206	207 .__	208
04		201	202	203	204	214	205 .__	206	207 .__	208
05		201	202	203	204	214	205 .__	206	207 .__	208
06		201	202	203	204	214	205 .__	206	207 .__	208
07		201	202	203	204	214	205 .__	206	207 .__	208
08		201	202	203	204	214	205 .__	206	207 .__	208
09		201	202	203	204	214	205 .__	206	207 .__	208
10		201	202	203	204	214	205 .__	206	207 .__	208
11		201	202	203	204	214	205 .__	206	207 .__	208
12		201	202	203	204	214	205 .__	206	207 .__	208
13		201	202	203	204	214	205 .__	206	207 .__	208
14		201	202	203	204	214	205 .__	206	207 .__	208
15		201	202	203	204	214	205 .__	206	207 .__	208
16		201	202	203	204	214	205 .__	206	207 .__	208
17		201	202	203	204	214	205 .__	206	207 .__	208

FERTILIZER APPLICATIONS

LINE	1	2	3	4	5	6	7	8	9	10
	CROP	CROP CODE	N	P ₂ O ₅	K ₂ O	S	How much was applied per acre per application? <i>[Leave this column blank if actual nutrients were reported.]</i>	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
18		201	202	203	204	214	205 _____	206	207 _____	208
19		201	202	203	204	214	205 _____	206	207 _____	208
20		201	202	203	204	214	205 _____	206	207 _____	208
21		201	202	203	204	214	205 _____	206	207 _____	208
22		201	202	203	204	214	205 _____	206	207 _____	208
23		201	202	203	204	214	205 _____	206	207 _____	208
24		201	202	203	204	214	205 _____	206	207 _____	208
25		201	202	203	204	214	205 _____	206	207 _____	208
26		201	202	203	204	214	205 _____	206	207 _____	208
27		201	202	203	204	214	205 _____	206	207 _____	208
28		201	202	203	204	214	205 _____	206	207 _____	208
29		201	202	203	204	214	205 _____	206	207 _____	208
30		201	202	203	204	214	205 _____	206	207 _____	208
31		201	202	203	204	214	205 _____	206	207 _____	208
32		201	202	203	204	214	205 _____	206	207 _____	208
33		201	202	203	204	214	205 _____	206	207 _____	208
34		201	202	203	204	214	205 _____	206	207 _____	208
35		201	202	203	204	214	205 _____	206	207 _____	208
36		201	202	203	204	214	205 _____	206	207 _____	208
37		201	202	203	204	214	205 _____	206	207 _____	208
38		201	202	203	204	214	205 _____	206	207 _____	208
39		201	202	203	204	214	205 _____	206	207 _____	208
40		201	202	203	204	214	205 _____	206	207 _____	208

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.

T-TYPE	TABLE	LINE
0	000	00

1. [Enumerator Action: *Were any chemicals reported in Section B, column 5 on page 6?*]
 YES - [Continue.] No - [Go to item 5.]

	CODE
2. Was weather data used to assist in determining either the need or when to make pesticide applications?.....	600 YES = 1 _____
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?	601 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?	602 YES = 1 _____
5. In 2010, how were your vegetable acres primarily scouted for insects, weeds, diseases and/or beneficial organisms?	608 _____
1 By deliberately going to the vegetable acres specifically for scouting activities. (<i>Enter code 1 and go to item 6.</i>) 2 By conducting general observations while performing routine tasks. (<i>Enter code 2 and go to item 8.</i>) 3 The vegetable acres were not scouted. (<i>Enter code 3 and go to item 11.</i>)	
6. Was an established scouting process used (<i>systemic sampling, recording counts, insect traps, etc.</i>) on any vegetable acres?.....	609 YES = 1 _____
7. Was scouting for pests done on these vegetable acres due to---	
a. a pest advisory warning?.....	610 YES = 1 _____
b. a pest development model?.....	611 YES = 1 _____

1	2 [If column 1 is YES, ask---] Who did the majority of the scouting for [column 1]—	
8. Were your vegetable acres scouted for ---	YES = 1	CODE
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 2010 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 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/.
 Would you rather have a brief summary
 mailed to you at a later date?

CODE

099

YES = 1

[Thank the respondent, then review this questionnaire.]

ENDING TIME [MILITARY].

005

**OFFICE USE
TIME IN HOURS**

006

SUPPLEMENT USE

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

NUMBER

Fertilizer Supplements.

067

Reported by: _____

Telephone No. (____) _____

Response		Respondent		Mode		Enum	Eval	Date MM DD YY	R Unit	Duplication Adjustor	Optional
1-Comp	9901	1- Op/Mgr	9902	2-Tel	9903	0098	0100	9910	0921	0922	0002
2-R		2-Sp		3-Face-to - Face					Office Use for POID		
3-Inac		3-Acct/Bkpr							0789		
4-Office Hold		4-Partner							_____ - _____ - _____		
		9-Other								_____ 10 _____	
S/E Name											

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