



2011 FRUIT CHEMICAL USE SURVEY



NATIONAL AGRICULTURAL STATISTICS SERVICE

California Version

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California Enterprise

VERSION	ID	SUBTRACT	TABLE
01	_____	_____	000

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 Fruit 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 farm records during the interview.

BEGINNING TIME [MILITARY].

004	_____
-----	-------

Name _____
Address _____
Phone (____) _____

[Check if name and address are verified.]

[Read or show label to respondent to verify the name(s) and spelling. Make corrections or additions on label.]

- During 2011, were any crops (**including** new plantings), livestock or poultry on the total acres operated? (**Exclude** crops produced by a tenant if [target] operator is landlord only.)

YES - [Go to item 1, page 3.] NO-[Continue.]
- During 2011, did this operation sell any agricultural products or receive government agricultural payments? (**Exclude** crops produced by a tenant if [target] operator is landlord only.)

YES - [Go to item 1, page 3.] NO-[Continue.]
- During 2011, were any crops stored on the total acres operated? (**Exclude** crops produced by a tenant if [target] operator is landlord only.)

YES - [Go to item 1, page 3.] NO-[Continue.]
- During 2011, did this operation have any fruit acres which were operated by a **management firm**?

YES - [Go to item 1, page 3.] NO-[Go to page 2.]

CHANGE IN OPERATOR

[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 Conclusion, page 12.]

YES - [Enter code 1, complete name and address information below for new operator, then go to Conclusion, page 12.]

CODE

023

Operation Name _____

Operator Name _____

Address _____

Phone (_____) _____

[ENUMERATOR NOTE: If the operation on the face page was in business part of the 2011 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.]

SCREENING

1. Did this operation grow any bearing acres of target fruit(s) during the 2011 crop year? (*Include crops grown but abandoned or lost. Refer to list on bottom of Section B page 6, FRUIT ACREAGE.*)

- YES - [Go to item 2..]
 NO - [Write notes explaining situation and conclude interview.]

2. 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.]

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 California Screening, page 4.]
 (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 California Screening, page 4.
 [Verify partners' names and make necessary corrections if names have already been entered.]

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 crops' bearing 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 crops' bearing acres to the County Agricultural Commissioners?

YES - [*Continue.*] **NO** - [*Go to Section A, page 5.*]

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, page 5.*]

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

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

4. Do you employ a fruit management company to care for any of the targeted fruit crops?

YES - [*Continue.*] **NO** - [*Go to Section A, page 5.*]

a. What fruit management company do you employ?

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

ACRES OPERATED

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 in fruit?
(**Include** both target and non-target acres as well as bearing and non-bearing acreage in trees, vineyards and bushes.)

803	. ____
-----	--------

B**FRUIT ACREAGE****B**

1. What **target fruit crops** were on these [Section A, item 4] acres during the 2011 crop year? (**Exclude** new plantings and other plantings which are not yet bearing.)

OFFICE USE LINES IN TABLE	TABLE 001	LINE 99	199
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L I N E	1	2	3	6	7	8
	CROP	CROP CODE	How many BEARING acres of [crop] did this operation have? ACRES	Were any herbicides, insecticides, fungicides, etc. applied to this crop? [YES = 1]	On what date did you complete harvest of your 2010 crop year [crop]? MM DD YY	On what date did you complete harvest of your 2011 crop year [crop]? MM DD YY
01			11 .__	13	14	15
02			11 .__	13	14	15
03			11 .__	13	14	15
04			11 .__	13	14	15
05			11 .	13	14	15
06			11 .	13	14	15
07			11 .__	13	14	15
08			11 .__	13	14	15
09			11 .	13	14	15
10			11 .	13	14	15
11			11 .__	13	14	15
12			11 .__	13	14	15
13			11 .	13	14	15
14			11 .__	13	14	15
15			11 .__	13	14	15

CALIFORNIA CROP CODES

301	APPLES		GRAPES	330	KIWIFRUIT	341	PEARS
303	APRICOTS	424	RAISIN TYPE VARIETIES	331	LEMONS	342	PLUMS
305	AVOCADOS		(include all uses for	333	NECTARINES	343	PRUNES
312	CHERRIES, SWEET		Thompson Seedless variety)	334	OLIVES	349	TANGERINES
316	DATES	524	TABLE TYPE VARIETIES	435	NAVEL ORANGES		
318	FIGS	624	WINE TYPE VARIETIES	535	VALENCIA ORANGES		
320	GRAPEFRUIT			340	PEACHES		

B**FRUIT ACREAGE****B**

L I N E	CAL – EPA SITE LOCATION NUMBER (if required)					
	01					
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						

INCLUDES AND EXCLUDES**INCLUDE:**

TARGET CROPS ONLY.

All commercial acreage equal to or greater than one tenth of a bearing acre.

All bearing acreage for processing or fresh market.

All bearing acreage for roadside stands, farmer's markets or U-pick sales.

Bearing acreage not harvested due to weather, economic or other reasons.

Crops planted in the fall of 2010 if they were part of the 2011 crop.

EXCLUDE:

All crops grown in another state.

Non-commercial orchard and vineyard acreage (*home garden*).

All TARGET CROPS grown by institutional, experimental, research and university farms.

Non-target fruits.

Abandoned orchards and vineyards.

New plantings and other plantings which are not yet bearing.

NOTES

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

TABLE 000

[Enumerator Action: Were any chemicals reported in Section B, column 6 on page 6?]

- YES** - [Continue.] **No** - [Go to item 4.]

		CODE
1. Was weather data used to assist in determining either the need or when to make pesticide applications?	YES = 1	600 _____
2. 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 _____
3. 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 _____
4. In 2011, how were your fruit acres primarily scouted for insects, weeds, diseases and/or beneficial organisms?		
1 By deliberately going to the fruit acres specifically for scouting activities. (<i>Enter code 1 and go to item 5.</i>) 2 By conducting general observations while performing routine tasks. (<i>Enter code 2 and go to item 7.</i>) 3 The fruit acres were not scouted. (<i>Enter code 3 and go to item 10.</i>)	608 _____
5. Was an established scouting process used (<i>systemic sampling, recording counts, insect traps, etc.</i>) on any fruit acres?	YES = 1	609 _____
6. Was scouting for pests done on these fruit acres due to---		
a. a pest advisory warning?	YES = 1	610 _____
b. a pest development model?	YES = 1	611 _____

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

NOTES

		CODE
8.	Were written or electronic records kept to track the activity or numbers of weeds, insects or diseases?	623 YES = 1
9.	Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests?	624 YES = 1
10.	Was field mapping data used for making pest management decisions?	625 YES = 1
11.	Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis?	626 YES = 1
12.	Were crop residues (<i>including drops, rotting fruit and/or debris</i>) removed to manage pests?	627 YES = 1
13.	Were ground covers, mulches, or other physical barriers maintained to manage pest problems?	629 YES = 1
14.	Were any beneficial organisms (<i>insects, nematodes, fungi</i>) applied or released to manage pests?	636 YES = 1
15.	Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on any fruit acres?	637 YES = 1
16.	Were any fruit acres cultivated for weed control during the growing season?	640 YES = 1
17.	Were field edges, lanes, ditches, roadways or fence lines chopped, mowed, plowed, or burned to manage pests on any fruit acres?	642 YES = 1
18.	Were equipment and implements cleaned after completing field work to reduce the spread of pests?	643 YES = 1
19.	Were any fruit acres irrigated for the 2011 crops?	644 YES = 1
	a. <i>[If item 19 is YES, ask---</i>	
	Were water management practices (excluding chemigation) such as irrigation scheduling, controlled drainage, or treatment of retention water used to manage pests?	645 YES = 1

OFFICE USE	
1 Incomp/R 2 Valid Zero	300

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

Reported by: _____

Telephone No. (____) _____

Response	9901	Respondent	9902	Mode	9903	Enum	0098	Eval	0100	Date MM DD YY	9910	R Unit	0921	Duplication Adjustor	0922	Optional	0002
1-Comp		1- Op/Mgr		2-Tel													
2-R		2-Sp		3-Face-to -													
3-Inac		3-Acct/Bkpr		Face													
4-Office Hold		4-Partner															
		9-Other															
												Office Use for POID					
												0789					
												____ - ____ - ____					
												____ 11					
S/E Name																	

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