



CHEMICAL USE SURVEY

California Enterprise

U.S. Department of Agriculture
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VERSION	ID	SUBTRACT	T-TYPE	TABLE	LINE
01	_____	_____	0	000	00

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. This information will be used for analysis and to compile and publish estimates for your state and the United States. Response to this survey is confidential and 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 2005, were any crops (*including new plantings*) livestock or poultry on the total acres operated?..... **YES** – [Go to item 5, page 2.] **NO**-[Continue.]
- During 2005, did this operation sell any agricultural products or receive government agricultural payments?..... **YES** - [Go to item 5, page 2.] **NO**-[Continue.]
- During 2005, 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 5, page 2.] **NO**-[Continue.]
- During 2005, did this operation have any fruit acres which were operated by a management firm?..... **YES** - [Go to item 5, page 2.] **NO**-[Go to page 3.]

SCREENING

5. Did this operation have any acres of target fruit(s) during the 2005 crop year
(refer to list on bottom of **FRUIT ACREAGE** Section B, page 6)?

- YES** - [Continue.]
- NO** – [Write notes explaining situation and conclude interview.]

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

- one individual? [Go to Section A.]
- a hired manager? [Go to Section A.]
- partners? [Continue.]

7. **How many individuals are involved in the day-to-day decisions for this operation?**
[Enter the number of partners, including operator, then obtain or verify partner names below.]
(Partners jointly operate land and share in decision making. **Do not** include landlords and tenants as partners.)

NUMBER

8. [Complete partner boxes below if the respondent is in partnership.]
Please identify the other person(s) in this partnership, then go to Section A.
[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

CHANGE IN OPERATION

ENUMERATOR NOTE: Complete this section only if items 1 through 4 on the face page are “NO”.

1. Is anyone else now operating the land you [operation on face page] formerly operated?

NO - [Complete **Conclusion** on back page.]

YES – [Enter code 1, complete name and address information below for new operator and read enumerator note.].....

CODE

023

Name _____	
Address _____	
Phone (____) _____	
POID	024

[ENUMERATOR NOTE: If the operation on face page was in business any part of the 2005 crop year, complete this questionnaire for the part of the year during which the operation did business. If the operation was out of business for the entire 2005 crop year, conclude the interview.]

CALIFORNIA SCREENING

1. What ID does this operation use for reporting pesticide applications on the target crop bearing acres to the County Agricultural Commissioners?.....

COUNTY				NUMBER			
C 8							

2. Is this ID used to report pesticide applications for any other operations?

YES - [Enter code 1 and continue.] **NO** - [Go to item 3.].....

CODE
012

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 crop bearing acres to the County Agricultural Commissioners?.....

YES - [Enter code 1 and continue.] **NO** - [Go to item 4.].....

CODE
013

a. What are these other ID numbers?.....

b. Do you use any of these ID's to report pesticide applications for any other operations?

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

COUNTY				NUMBER			
C 9							

(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 - [Enter code 1 and continue.] **NO** - [Go to Section A.].....

CODE
014

a. What fruit management company do you employ?

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

2005 TOTAL ACRES OPERATED

1. Considering the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land, how many Total Acres does this operation---

ACRES

a. Own?..... +

901 .

b. Rent from others? (Exclude land used on an AUM basis.)..... +

902 .

c. Rent to others? (Include privately owned/rented land administered by a public agency through exchange-of-use.)..... -

905 .

2. Total Acres Operated: [item 1a + 1b -1c]..... =

900 .

3. Of the total [item 2] acres operated, how many acres are considered Cropland? (Include bearing and non-bearing fruit, grapes, and nut crops, hay land, summer fallow, idle cropland, cropland pasture, and cropland in government programs.).....

802 .

4. Of the total [item 2] acres operated, how many acres are in fruit, grapes, or nuts? (Include bearing and non-bearing acreage of both target and non-target fruit, grapes and nut crops in trees, vineyards and bushes.)..... =

803 .

1. What **target fruit crops** were on these TOTAL [Section A, item 2] acres during the 2005 crop year?

(Exclude new plantings and other plantings which are not yet bearing.)

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

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 2004 crop year [crop]? MM DD YY	On what date did you Complete harvest of your 2005 crop year [crop]? MM DD YY
01		101	102 .	109	110	111
02		101	102 .	109	110	111
03		101	102 .	109	110	111
04		101	102 .	109	110	111
05		101	102 .	109	110	111
06		101	102 .	109	110	111
07		101	102 .	109	110	111
08		101	102 .	109	110	111
09		101	102 .	109	110	111
10		101	102 .	109	110	111
11		101	102 .	109	110	111
12		101	102 .	109	110	111
13		101	102 .	109	110	111
14		101	102 .	109	110	111
15		101	102 .	109	110	111

CALIFORNIA - -CROP CODES

53 APPLES		GRAPES	64 KIWI	69 PEARS
54 APRICOTS		RAISIN TYPE VARIEITES	76 LEMONS	71 PLUMS
55 AVOCADOS	8063	(include all uses for	66 NECTARINES	73 PRUNES
155 CHERRIES, SWEET		Thompson Seedless variety)	67 OLIVES	81 TANGERINES
61 DATES	2063	TABLE TYPE VARIETIES	1079 NAVEL ORANGES	
62 FIGS	4063	WINE TYPE VARIETIES	2079 VALENCIA ORANGES	
75 GRAPEFRUIT			68 PEACHES	

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 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.</p>	<p>EXCLUDE ALL CROPS GROWN IN ANOTHER STATE Non-commercial orchard and vineyard acreage. All TARGET CROPS grown by institutional, experimental, research and university farms. Abandoned orchards and vineyards. New plantings and other plantings which are not yet bearing.</p>
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NOTES and CALCULATIONS:

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

T-TYPE	TABLE	LINE
0	000	00

1. [Enumerator Action: *Were PESTICIDE APPLICATIONS reported in Section B, column 6?*]

- YES - [Continue.] No - [Go to item 5.]

2. Was weather data used to assist in determining either the need or when to make pesticide applications?..... YES = 1

CODE

600

3. Were any biological pesticides such as Bt (*Bacillus thuringiensis*), insect growth regulators (*Courier, intrepid, etc.*) neem or other natural/biological based products sprayed or applied to manage pests?..... YES = 1

601

4. 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

5. In 2005, 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? *(Enter code 1 and go to item 6.)*
- 2 By conducting general observations while performing routine tasks? *(Enter code 2 and go to item 8.)*
- 3 The fruit acres were not scouted? *(Enter code 3 and go to item 11.)*

CODE

608

6. Was an established scouting process used (*systemic sampling, recording counts, etc.*) or were insect traps used on any fruit acres?..... YES = 1

CODE

609

7. 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 = YES, ask--]	
	Who did the majority of the scouting for [column 1]—	
	1 Operator, partner or family member 2 An employee 3 Farm supply or chemical dealer 4 Independent crop consultant or commercial scout	
8. Were your fruit acres scouted for ---	YES = 1	CODE
a. weeds?.....	612	614
b. insects and mites?.....	615	617
c. disease?.....	618	620

	YES = 1	CODE
9. Were written or electronic records kept to track the activity or numbers of weeds, insects or diseases?.....	YES = 1	623
10. Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests?.....	YES = 1	624
11. Was field mapping data used for making pest management decisions?.....	YES = 1	625
12. Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis?.....	YES = 1	626
13. Were crop residues (including drops, rotting fruit and/or debris) removed to manage pests?.....	YES = 1	627
14. Were ground covers, mulches, or other physical barriers maintained to manage pest problems?.....	YES = 1	629
15. Were any beneficial organisms (insects, nematodes, fungi) applied or released to manage pests?.....	YES = 1	636
16. Were floral lures, attractants, repellants, pheromone traps or other biological pest controls used on any fruit acres?.....	YES = 1	637
17. Were any fruit acres cultivated for weed control during the growing season?.....	YES = 1	640
18. Were field edges, lanes, ditches, roadways or fence lines chopped, mowed, plowed, or burned to manage pests on any fruit acres?.....	YES = 1	642
19. Were equipment and implements cleaned after completing field work to reduce the spread of pests?.....	YES = 1	643
20. Were any fruit acres irrigated for the 2005 crops?.....	YES = 1	644
[If item 20 = 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	645

OFFICE USE		COMPLETION CODE for PEST MANAGEMENT PRACTICES	
3 – Valid Zero	300	1 Incomp/R	500

NOTES and CALCULATIONS:

CONCLUSION

SURVEY PUBLICATIONS

1. The results of this survey will be published in the summer of 2006.
 Would you like to receive a copy of the results of this survey in the mail?
 (Results will also be available on the internet at <http://www.usda.gov/nass/>)

YES = 1

CODE

099

[Thank the respondent then review this questionnaire.]

ENDING TIME [MILITARY].....

005

**OFFICE USE
TIME IN HOURS**

006

Reported by: _____ Telephone No.(____) _____

Response	Respondent		Mode		Enum.	Eval.	Date			R Unit	Duplication Adjustor	Optional
							MM	DD	YY			
1-Comp	9901	1- Op/Mgr	9902	2-Tel	9903	098	100	007		921	922	002
2-R		2-Sp		3-Face-to								
3-Inac		3-Acct/Bkpr		-Face								
4-Office Hold		4-Partner										
8-Known Zero		9-Other										
05												
S/E Name												