

NURSERY AND FLORICULTURE CHEMICAL USE SURVEY

OMB No. 0535-0244
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California Enterprise

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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 applications for floriculture and nursery production and need your help to make the information as accurate as possible. Authority for collection of information is Title 7, Section 2204 of the U.S. Code. This information will be used to compile and publish estimates on chemical use in floriculture and nursery production. 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.

1. Were your total gross sales of floriculture crops greater than \$10,000 in 20XX?
 YES NO
2. Were your total gross sales of nursery crops and/or Christmas trees greater than \$10,000 in 20XX?
 YES NO

[ENUMERATOR NOTE: If items 1 and 2 are NO, conclude the interview.]

[Name, address and partners verified and updated if necessary]

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

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0244. The time required to complete this information collection is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

CALIFORNIA SCREENING

1. What ID (pesticide permit number) does this operation use for reporting pesticide applications on the target nursery and floriculture 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 nursery and floriculture acres to the County Agricultural Commissioners?

YES - [Continue.] NO - [Go to **CHEMICAL APPLICATIONS**, page 4.]

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 **CHEMICAL APPLICATIONS**, page 4.]

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

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

CALIFORNIA – EPA SITE LOCATIONS

CAL – EPA SITE LOCATION NUMBERS
(if required)

CHEMICAL APPLICATIONS

These questions are about pesticide and chemical (*excluding fertilizer*) applications.

1. In **20XX**, for your floriculture and/or nursery operation, were any insecticides, herbicides, fungicides, nematicides, miticides, growth regulators, rooting compounds, soil fumigants or other chemicals applied?

YES – [Complete table below.]

NO – [Go to item 1 on page 6.]

OFFICE USE EDIT TABLE	1 Incomplete 3 Valid Zero	314	OFFICE USE LINES IN TABLE	T-TYPE 4	TABLE 001	LINE 99	101
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PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY

- 1 Transplants for commercial vegetable and strawberry production
- 2 Propagative nursery material or lining-out stock
- 3 Broadleaf evergreens
- 4 Coniferous evergreens
- 5 Deciduous shade trees
- 6 Deciduous flowering trees
- 7 Deciduous shrubs
- 8 Fruit and nut plants
- 9 Christmas trees
- 10 Palms
- 11 Ornamental grasses
- 12 Other woody ornamentals and vines
- 20 Non-production area

FLORICULTURE

- 13 Cut flowers
- 14 Flowering plants (*potted*)
- 15 Bedding plants (*flats, potted, hanging*)
- 16 Foliage plants (*potted or hanging*)
- 17 Propagative floriculture material
- 18 Cut cultivated greens
- 19 Herbaceous perennials (*potted*)
- 20 Non-production area

LOCATION CODES FOR COLUMN 2

- 1 Greenhouse (*enclosed*)

2 Shade Structure (*frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.*)

3 Natural Shade Area (*palm, citrus, etc.*)

4 In The Open Production Area

5 Perimeter (*non-production areas*)

PRODUCTION CATEGORY	L I N E	1 To what production category were chemicals applied? [Enter production code from above.]	2 Where were chemical products applied? [Enter appropriate location codes from above.]	3 How were chemical products applied? [Enter appropriate method codes from next page.]	4 Who made the chemical application(s)? [Enter appropriate applicator codes from next page.]
		303	304	312	313
	01	303	304	312	313
	02	303	304	312	313
	03	303	304	312	313
	04	303	304	312	313
	05	303	304	312	313
	06	303	304	312	313
	07	303	304	312	313
	08	303	304	312	313
	09	303	304	312	313
	10	303	304	312	313
	11	303	304	312	313
	12	303	304	312	313
	13	303	304	312	313
	14	303	304	312	313
	15	303	304	312	313

CHEMICAL APPLICATIONS

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer	Drench
Hand held wand/gun/boom from power hydraulic sprayers	Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
Hand held granular shakers	Tractor powered boom sprayer
Hand held granular rotary applicator (<i>whirly bird, belly grinder</i>)	Tractor powered air blast or mister
Hand held foggers	Aerial application
Dusting	Chemigation
Overhead rail sprayers (<i>track sprayers</i>)	Machine injection, branded, broadcast, knifed in
Root ball/container/cutting/flower dip	Other (Specify: _____)

APPLICATOR CODES FOR COLUMN 4

4	Licensed operator/employee pesticide applicator
	Unlicensed operator/employee under the direction of licensed applicator
	Hired custom applicator (<i>Not an employee of operation</i>)
	Other (Specify: _____)

PRODUCTION CATEGORY	L I N E	1 To what production category were chemicals applied? [Enter production code from previous page.]	2 Where were chemical products applied? [Enter appropriate location codes from previous page.]	3 How were chemical products applied? [Enter appropriate method codes from above.]	4 Who made the chemical application(s)? [Enter appropriate applicator codes from above.]
		16	303	304	312
	17	303	304	312	313
	18	303	304	312	313
	19	303	304	312	313
	20	303	304	312	313
	21	303	304	312	313
	22	303	304	312	313
	23	303	304	312	313
	24	303	304	312	313
	25	303	304	312	313
	26	303	304	312	313
	27	303	304	312	313
	28	303	304	312	313
	29	303	304	312	313
	30	303	304	312	313

PEST MANAGEMENT PRACTICES

T-TYPE 0	TABLE 000	LINE 00
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1. In 20XX, did your operation scout or monitor for pests---

a. By conducting general observations while performing routine tasks?

YES – [Enter code 1 then go to item 2.] NO – [Continue with item 1b.].....

CODE

320

b. By deliberately going to the growing areas specifically for scouting activities?

YES – [Enter code 1 then go to item 2.] NO – [Continue with item 2c.].....

CODE

321

2. In 20XX, did your operation---

a. keep electronic or written records on weed, insect or disease levels?.....

YES = 1

323

b. use pheromones to monitor insects by trapping?.....

YES = 1

328

c. detect the presence of weeds, insects, diseases or pathogens by---

(i) soil analysis?.....

YES = 1

324

(ii) plant tissue analysis?.....

YES = 1

325

(iii) using trap indicator plants?.....

YES = 1

326

(iv) inspecting incoming stock?.....

NA = 4..... YES = 1

327

(v) use of insect traps?.....

NA = 4..... YES = 1

355

d. use insect or disease resistant plant varieties?.....

NA = 4..... YES = 1

329

e. control weeds, insects or disease by---

(i) using beneficial organisms (*insects, nematodes or fungi*)?.....

YES = 1

330

(ii) using biological pesticides (*BotaniGard, Conserve, Gnatrol, Nemasy, etc.*)?.....

YES = 1

331

(iii) using trap vegetation?.....

YES = 1

332

(iv) using pheromones to disrupt insect mating?.....

YES = 1

333

(v) using water management practices such as controlled drainage or treatment of retention water? (*Exclude chemigation.*).....

NA = 4..... YES = 1

334

(vi) pruning out or removing infected plants or plant parts?.....

YES = 1

335

(vii) tilling, mowing, or burning of field or greenhouse borders, lanes, etc.?.....

YES = 1

336

(viii) adjusting row spacing or direction?.....

NA = 4..... YES = 1

337

(ix) elevating plant?.....

NA = 4..... YES = 1

338

(x) adjusting plant density?.....

YES = 1

339

(xi) use sterilized growing media?.....

NA = 4..... YES = 1

340

PEST MANAGEMENT PRACTICES

2. In **20XX**, did your operation---(continued)

e. control weeds, insect or diseases by---

(xii) sanitizing benches or other platform devices between uses?.....	NA = 4..... YES = 1	341
(xiii) sanitizing ground covers between uses?.....	NA = 4..... YES = 1	342
(xiv) sanitizing containers between uses?.....	NA = 4..... YES = 1	343
(xv) modifying temperature?.....	NA = 4..... YES = 1	344
(xvi) modifying hothouse/greenhouse relative humidity?.....	NA = 4..... YES = 1	345
(xvii) using greenhouse ventilation?.....	NA = 4..... YES = 1	346
(xviii) using greenhouse screening?.....	NA = 4..... YES = 1	347
(xix) using plant tissue dryness management such as minimizing overhead irrigation to reduce leaf wetness time?.....	NA = 4..... YES = 1	348
(xx) utilizing ground covers, mulches or other physical barriers such as gravel, weed mats, etc.?.....	NA = 4..... YES = 1	349
(xxi) use of insect traps?.....	NA = 4..... YES = 1	356
rotate or tank mix pesticides (<i>use pesticides with different mechanisms of action</i>) for the primary purpose of keeping pests from becoming resistant to pesticides?.....	YES = 1	350
monitor weather data to assist in determining when to make pesticide application decisions?.....	YES = 1	351

- h. apply pesticides based **mostly** on---
[Enter one code.].

- 1 PREVENTIVE SCHEDULE?
- 2 SCOUTING DATA COMPARED TO UNIVERSITY
OR EXTENSION INFESTATION GUIDELINES?
- 3 SCOUTING DATA AND YOUR ESTABLISHED THRESHOLDS?
- 4 OTHERS (Specify) _____

3. In 20XX, where did your operation---

a. obtain **most** of its pesticides---
[Enter one code.].

CHEMICAL DEALER?	CODE
CHEMICAL MANUFACTURER?	
OTHER? (Specify: _____)	353

b. **mostly** get recommendations for pest control or pesticide use---
[Enter one code],

- 1 FARM SUPPLY DEALER/CHEMICAL DEALER?
- 2 UNIVERSITY/EXTENSION PERSONNEL/MATERIALS?
- 3 COMMERCIAL SCOUTING SERVICE/CROP CONSULTANT/
PEST CONTROL ADVISOR?
- 4 OTHER GROWERS/PRODUCERS?
- 5 PRODUCER ASSOCIATION/NEWSLETTER/
TRADE MAGAZINE?
- 6 EMPLOYEE PEST ADVISOR?
- 7 CUSTOM APPLICATOR?
- 8 OTHER? (Specify: _____)

COMPLETION CODE for PEST MANAGEMENT		
1	Incomp/R	300

CONCLUSION

1. **SURVEY RESULTS:** The information from USDA-NASS surveys is available at <http://www.nass.usda.gov/results>. The results will be available under the title "**Nursery and Floriculture Chemical Use Survey**." If you do not have Internet access please call 1-800-727-9540.

[Thank the respondent then review this questionnaire.]

	TOTAL ENUMERATION TIME	TOTAL TIME SPENT WITH OPERATOR or RESPONDENT
2. Time spent collecting data----	019	012
3. SUPPLEMENTS USED		NUMBER
(Record the total number of chemical supplements used to complete this interview).		014

4. **ENUMERATOR NOTE:** *Please list names, title and contact information if other people were contacted for assistance in completing this questionnaire. Please record their name, address and phone number below.]*

NAME/TITLE: _____

PHONE: _____

ADDRESS: _____

Respondent's Name: _____ Telephone Number: _____ Date: _____

OFFICE USE										
Response		Respondent		Mode		Enum.	Eval.	R. UNIT	Date MM DD YY	Office Use for POID
1-Comp	9901	1-Op/Mgr	9902	2-Tel	9903	098	100	921	9910	789
2-R		2-Sp		3-Face-to-Face						-----
3-Inac		3-Acct/Bkpr								
4-Office Hold		4-Partner								
		9-Oth								
S/E Name										