Project 159 QID 002363 OMB No. 0535-0244 Approval Expires 1/31/2010



ADDRESS

STATE

ZIP

CITY

NURSERY AND FLORICULTURE CHEMICAL USE SURVEY 2009



U.S Department of Agriculture Rm. 5030, South Building 1400 Independence Avenue, S.W. Washington, D.C. 20250-2000 I-800-727-9540 Fax: 202-690-2090 Email: pass@pass.usda.gov



	······································			ŀ	=mail: nass@nass.us	da.gov		
VERSION 01	POID		SUBTRACT	T-TYPE 0	TABLE 000	LINE 00		
				•				
				CONTACT RE				
		DATE	TIME		NOTES			
[Name and address verified and updated if necessary.]								
INTRODUCTION	l :							
[Introduce yourse	elf, and ask for the operator. Rephrase in your o	own words.]						
We are collecting information on chemical applications for floriculture and nursery production in 2009 and need your help to collect complete and accurate data. Authority for collection of information on the Nursery and Floriculture Chemical Use Survey 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. Response to this survey is confidential and voluntary. We encourage you to refer to your farm records during the interview.								
1. Were your	total gross sales of floriculture crops g	reater than	\$10,000 in	2009?				
☐ YES	□ NO							
2. Were your	total gross sales of nursery crops and/o	or Christm	as trees gre	ater than \$10,	000 in 2009?			
☐ YES	□ NO		•					
_	ATOR NOTE: If items 1 and 2 are NO, cor	nclude the i	nterview.]					
3. [Complete	PARTNER boxes below only if the operator	or is in a pa	rtnership.]					
POID		POID						
PARTNER NAME		PARTN	ER NAME					
ADDRESS		ADDRE	SS					
CITY	STATE ZIP PHONE NUMBE	R CITY		STATE ZIF	PHON	E NUMBER		
POID		POID						
PARTNER NAME		PARTN	ER NAME					

ADDRESS

ZIP

PHONE NUMBER

STATE

CITY

PHONE NUMBER

CALIFORNIA SCREENING

1.	What ID (pesticide permit number) does this operation us for reporting pesticide applications on the target nursery		COUNTY	NUMBER
	floriculture acres to the County Agricultural Commissione			
2.	Is this ID used to report pesticide applications for any oth	er operations?		
	☐ YES - [Continue.] ☐ NO - [Go to ite	-		
	a. What other operation(s) is this ID used to report for?			
Na	me	Name		
Ad	dress	Address		
Ph	one ()	Phone ()		
	a. What are these other ID numbers?	MICAL APPLICATIONS, pag	e 4.]	NUMBER
	 b. Do you use any of these ID's to report pesticide appl for any other operation(s)? 	ications		
		CHEMICAL APPLICATIONS,	page 4.]	1 1
	(i) What other operation(s) use this ID for reporting?	? [Identify operation and ID.]		
Na	me	Name		
Re	porting ID	Reporting ID		
Ad	dress	Address		
Ph	one ()	Phone ()		

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

1.	In 2009, 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 – [Comple	te table below.]		NO – [Go	o to item 1 on pag	e 18.]			
		OFFICE USE EDIT TABLE	1	Incomplete Valid Zero	314	OFFICE USE LINES IN TABLE	T-TYPE 1	TABLE 001	LINE 99	101

PRODUCTION CATEGORY CODES FOR COLUMN 1 LOCATION CODES FOR COLUMN 2 NURSERY FLORICULTURE 1 Greenhouse (enclosed) 1 Transplants for commercial vegetable 13 Cut flowers 2 Shade Structure (frames, slat, saran, cloth, and strawberry production Flowering plants (potted) screen, non-enclosed greenhouse, etc.) 2 Propagative nursery material or lining-out stock 3 Natural Shade Area (palm, citrus, etc.) Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens Foliage plants (potted or hanging) 4 In The Open Production Area 16 Deciduous shade trees 5 5 Perimeter (non-production areas) Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 7 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms Ornamental grasses 11 12 Other woody ornamentals and vines 20 Non-production area

		1	2	3	4
	L N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	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

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer 2 Hand held wand/gun/boom from power hydraulic sprayers 3 Hand held granular shakers Hand held granular rotary applicator 4 (whirly bird, belly grinder)

- Hand held foggers
- 5
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- Root ball/container/cutting/flower dip

9 Drenc	h
---------	---

- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- Chemigation
- Machine injection, branded, broadcast, knifed in
- 16 Other (Specify:

- Licensed operator/employee pesticide applicator
- Unlicensed operator/employee under the direction of licensed applicator
- Hired custom applicator (Not an employee of operation)
- Other (Specify: _

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

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 2 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 6 Greenhouse (enclosed)
- 7 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 8 Natural Shade Area (palm, citrus, etc.)
- 9 In The Open Production Area
- 10 Perimeter (non-production areas)

		1	2	3	4
	L I N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	16	303	304	312	313
	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

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer Hand held wand/gun/boom from power hydraulic sprayers Hand held granular shakers Hand held granular rotary applicator (whirly bird, belly grinder)

- 5 Hand held foggers
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- 8 Root ball/container/cutting/flower dip

- 9 Drench
- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- 14 Chemigation
- 15 Machine injection, branded, broadcast, knifed in
- 16 Other (Specify: _____

- Licensed operator/employee pesticide applicator
- 2 Unlicensed operator/employee under the direction of licensed applicator
- 3 Hired custom applicator (Not an employee of operation)
- 4 Other (Specify: ______

L I N E	CAL – EPA SITE LOCATION NUMBER (if required)								
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 3 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens 16 Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 11 Greenhouse (enclosed)
- 12 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 13 Natural Shade Area (palm, citrus, etc.)
- 14 In The Open Production Area
- 15 Perimeter (non-production areas)

		1	2	3	4
	L N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	31	303	304	312	313
	32	303	304	312	313
	33	303	304	312	313
	34	303	304	312	313
	35	303	304	312	313
	36	303	304	312	313
	37	303	304	312	313
	38	303	304	312	313
	39	303	304	312	313
	40	303	304	312	313
	41	303	304	312	313
	42	303	304	312	313
	43	303	304	312	313
	44	303	304	312	313
	45	303	304	312	313

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer 2 Hand held wand/gun/boom from power hydraulic sprayers 3 Hand held granular shakers Hand held granular rotary applicator 4 (whirly bird, belly grinder)

- Hand held foggers
- 5
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- Root ball/container/cutting/flower dip

- 9 Drench
- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- Aerial application
- Chemigation
- Machine injection, branded, broadcast, knifed in
- 16 Other (Specify:

- Licensed operator/employee pesticide applicator
- Unlicensed operator/employee under the direction of licensed applicator
- Hired custom applicator (Not an employee of operation)
- Other (Specify: _

LIZE	CAL – EPA SITE LOCATION NUMBER (if required)								
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 16 Greenhouse (enclosed) 4 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens 19 In The Open Production Area 16 Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 17 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 18 Natural Shade Area (palm, citrus, etc.)
- 20 Perimeter (non-production areas)

		1	2	3	4
	L N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	46	303	304	312	313
	47	303	304	312	313
	48	303	304	312	313
	49	303	304	312	313
	50	303	304	312	313
	51	303	304	312	313
	52	303	304	312	313
	53	303	304	312	313
	54	303	304	312	313
	55	303	304	312	313
	56	303	304	312	313
	57	303	304	312	313
	58	303	304	312	313
	59	303	304	312	313
	60	303	304	312	313

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer Hand held wand/gun/boom from power hydraulic sprayers Hand held granular shakers Hand held granular rotary applicator (whirly bird, belly grinder)

- 5 Hand held foggers
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- 8 Root ball/container/cutting/flower dip

- 9 Drench
- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- 14 Chemigation
- 15 Machine injection, branded, broadcast, knifed in
- 16 Other (Specify: _____

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

L I N E	CAL – EPA SITE LOCATION NUMBER (if required)								
46									
47									
48									
49									
50									
51									
52									
53									
54									
55									
56									
57									
58									
59									
60									

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 5 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens 16 Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 21 Greenhouse (enclosed)
- 22 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 23 Natural Shade Area (palm, citrus, etc.)
- 24 In The Open Production Area
- 25 Perimeter (non-production areas)

		1	2	3	4
	L N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	61	303	304	312	313
	62	303	304	312	313
	63	303	304	312	313
	64	303	304	312	313
	65	303	304	312	313
	66	303	304	312	313
	67	303	304	312	313
	68	303	304	312	313
	69	303	304	312	313
	70	303	304	312	313
	71	303	304	312	313
	72	303	304	312	313
	73	303	304	312	313
	74	303	304	312	313
	75	303	304	312	313

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer 2 Hand held wand/gun/boom from power hydraulic sprayers 3 Hand held granular shakers Hand held granular rotary applicator

- (whirly bird, belly grinder)
- Hand held foggers 5
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- Root ball/container/cutting/flower dip

9	Drench

- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- Chemigation
- Machine injection, branded, broadcast, knifed in
- 16 Other (Specify:

1	Licensed operator/employee pesticide
	applicator

- Unlicensed operator/employee under the direction of licensed applicator
- Hired custom applicator (Not an employee of operation)
- Other (Specify: _

LINE	CAL – EPA SITE LOCATION NUMBER (if required)								
61									
62									
63									
64									
65									
66									
67									
68									
69									
70									
71									
72									
73									
74									
75									

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 26 Greenhouse (enclosed) 6 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens 16 Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 27 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 28 Natural Shade Area (palm, citrus, etc.)
- 29 In The Open Production Area
- 30 Perimeter (non-production areas)

		1	2	3	4
	L I N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	76	303	304	312	313
	77	303	304	312	313
	78	303	304	312	313
	79	303	304	312	313
	80	303	304	312	313
	81	303	304	312	313
	82	303	304	312	313
	83	303	304	312	313
	84	303	304	312	313
	85	303	304	312	313
	86	303	304	312	313
	87	303	304	312	313
	88	303	304	312	313
	89	303	304	312	313
	90	303	304	312	313
	1		I	I	I.

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer Hand held wand/gun/boom from power hydraulic sprayers Hand held granular shakers Hand held granular rotary applicator (whirly bird, belly grinder)

- 5 Hand held foggers
- 6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- 8 Root ball/container/cutting/flower dip

- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- 14 Chemigation
- 15 Machine injection, branded, broadcast, knifed in
- 16 Other (Specify: ____

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

LINE	CAL – EPA SITE LOCATION NUMBER (if required)								
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									
89									
90									

PRODUCTION CATEGORY CODES FOR COLUMN 1

NURSERY FLORICULTURE 7 Transplants for commercial vegetable 13 Cut flowers and strawberry production 14 Flowering plants (potted) 2 Propagative nursery material or lining-out stock Bedding plants (flats, potted, hanging) Broadleaf evergreens Coniferous evergreens 16 Foliage plants (potted or hanging) Deciduous shade trees 5 Propagative floriculture material 17 6 Deciduous flowering trees Cut cultivated greens Deciduous shrubs 18 Fruit and nut plants Herbaceous perennials (potted) 19 9 Christmas trees Non-production area 10 Palms 11 Ornamental grasses 12 Other woody ornamentals and vines 20 Non-production area

- 31 Greenhouse (enclosed)
- 32 Shade Structure (frames, slat, saran, cloth, screen, non-enclosed greenhouse, etc.)
- 33 Natural Shade Area (palm, citrus, etc.)
- 34 In The Open Production Area
- 35 Perimeter (non-production areas)

		1	2	3	4
	L N E	To what production category were chemicals mostly applied?	Where were chemical products mostly applied?	How were chemical products applied?	Who made the chemical application(s)?
PRODUCTION CATEGORY		[Enter production code from above.]	[Enter location code from above.]	[Enter method code from next page.]	[Enter applicator code from next page.]
	91	303	304	312	313
	92	303	304	312	313
	93	303	304	312	313
	94	303	304	312	313
	95	303	304	312	313
	96	303	304	312	313
	97	303	304	312	313
	98	303	304	312	313
	99	303	304	312	313
	100	303	304	312	313
	101	303	304	312	313
	102	303	304	312	313
	103	303	304	312	313
	104	303	304	312	313
	105	303	304	312	313

METHOD CODES FOR COLUMN 3

Hand held back pack sprayer Hand held wand/gun/boom from power hydraulic sprayers Hand held granular shakers Hand held granular rotary applicator (whirly bird, belly grinder)

- (whirly bird, belly grinder)

 Hand held foggers
- 5 Hand held foggers6 Dusting
- 7 Overhead rail sprayers (track sprayers)
- 8 Root ball/container/cutting/flower dip

\sim	Drench	

- 10 Stationary fogger, aerosols, misters, electrostatic sprayers, smokers
- 11 Tractor powered boom sprayer
- 12 Tractor powered air blast or mister
- 13 Aerial application
- 14 Chemigation
- 15 Machine injection, branded, broadcast, knifed in
- 16 Other (Specify: _____

1	Licensed operator/employee pesticide
	applicator

- 2 Unlicensed operator/employee under the direction of licensed applicator
- Hired custom applicator
 (Not an employee of operation)

F Other (Specify:	1	Other	(Specify:	
-------------------	---	-------	-----------	--

L-ZE	CAL – EPA SITE LOCATION NUMBER (if required)									
91										
92										
93										
94										
95										
96										
97										
98										
99										
100										
101										
102										
103										
104										
105										

PEST MANAGEMENT PRACTICES

			T-TYPE	TABL	E	LINE
			0	000		00
1.	In 2	2009, did your operation scout or monitor for pests				
	a.	By conducting general observations while performing routine tasks?				CODE
		☐ YES – [Enter code 1 then go to item 2.] ☐ NO – [Continue with item	1 <i>b</i> .]		320	
	b.	By deliberately going to the growing areas specifically for scouting activities?				CODE
		☐ YES – [Enter code 1 then go to item 2.] ☐ NO – [Continue with item 2d	i.]		321	
2.	In 2	2009, did your operation				CODE
	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				CODE
		(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?			327	
		(v) use of insect traps?			355	
					329	
	d.	use insect or disease resistant plant varieties?	. NA = 4	YES = 1		
	e.	control weeds, insects or disease by			330	CODE
		(i) using beneficial organisms (insects, nematodes or fungi)?		YES = 1	331	
		(ii) using biological pesticides (BotaniGard, Conserve, Gnatrol, Nemasys, etc.)?.		YES = 1		
		(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? (<i>Exclude chemigation.</i>)	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.?			336	
		(viii) adjusting row spacing or direction?			337	
					338	
		(ix) elevating plant?			339	
		(x) adjusting plant density?			340	
		(xi) use sterilized growing media?	NA = 4	YES = 1		

PEST MANAGEMENT PRACTICES

2.	In 2	09, did your operation(continued)								
	e.	control weeds, insect or diseases by								
		(xii) sanitizing benches or other pla	tform devices between uses? NA = 4 YES = 1	341						
			een uses?	342						
		(XIII) Samilizing ground covers betw	een uses! NA = 4 YES = 1	343						
		(xiv) sanitizing containers between	uses? NA = 4 YES = 1							
		(vv) modifying temperature?	NA = 4 YES = 1	344						
		. , , , ,		345						
		(xvi) modifying hothouse/greenhou	se relative humidity? NA = 4 YES = 1	346						
		(xvii) using greenhouse ventilation	? NA = 4 YES = 1							
		(xviii) using greenhouse screening	?	347						
		(xix) using plant tissue dryness management such as minimizing								
		· ·	eaf wetness time?	349						
		(xx) utilizing ground covers, mulche such as gravel, weed mats, etc.	es of other physical barriers 5.?							
		/		356						
	_	•	NA = 4 YES = 1	350						
	f.	rotate or tank mix pesticides (use pesticides with different mechanisms of action) for the primary purpose of keeping pests from becoming resistant to pesticides? YES = 1								
	g.		etermining when to make pesticide	351						
		application decisions?								
		1 PRE								
	L	2 SCC	CODE							
	h.	based mostly on 3 SCC	R EXTENSION INFESTATION GUIDELINES? UTING DATA AND YOUR ESTABLISHED THRESHOLDS?	352						
_		<u></u>	ER? (Specify:)							
3.	In 2	2009, where did your operation		0005						
		about an and of the constitution	CHEMICAL DEALER? CHEMICAL MANUFACTURER?	CODE 353						
	a.	obtain most of its pesticides [Enter one code.]								
			1 FARM SUPPLY DEALER/CHEMICAL DEALER							
			2 UNIVERSITY/EXTENSION PERSONNEL/MATERIALS?							
	b.	mostly get recommendations	3 COMMERCIAL SCOUTING SERVICE/CROP CONSULTANT/ PEST CONTROL ADVISOR?	CODE 354						
	υ.	for pest control or pesticide use	4 OTHER GROWERS/PRODUCERS? 5 PRODUCER ASSOCIATION/NEWSLETTER/	304						
		[Enter one code.]	TRADE MAGAZINE?							
			6 EMPLOYEE PEST ADVISOR?							
			7 CUSTOM APPLICATOR?							
			8 OTHER? (Specify:)							
			COMPLETION CODE for P	EST						
			MANAGEMENT							

300

Incomp/R
 Valid zero

CONCLUSION

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 TIME SPENT TOTAL ENUMERATION** WITH OPERATOR TIME or RESPONDENT 019 012 Time spent collecting data----. SUPPLEMENTS USED **NUMBER** (Record the total number of chemical supplements used to complete this interview.)..... **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 Po		Use for POID
1-Comp 2-R 3-Inac 4-Office Hold	9901	1-Op/Mgr 2-Sp 3-Acct/Bkpr 4-Partner 9-Oth	9902	2-Tel 3-Face- to-Face	9903	098	100	921	9910	789 Dup Adj. 922	Optional

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 control number for this information collection 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.