NASS NATIONAL AGRICULTURAL STATISTICS SERVICE U.S. Department of Agriculture Rm 5809, South Building		<i>1997 FRUIT CHEMICAL USE SURVEY</i>				O A P	Form Approved O.M.B. Number 0535-0218 Approval Expires 9/30/99 Project Code 141 ENTERPRISE		
Washington, D.C. 20250 202-720-7017		VERSION	ID		SUBTRACT	T-TYPE	TABLE	LINE	
		1				0	000	00	
DATE	CON TIME	TACT RECORD	NOTES	3 - 4 - 5 - 8 -	RESPONSE CODES 3 - COMPLETED 4 - SCREENOUT 5 - NO TARGET CROPS 8 - REFUSAL				
					INACCESSIBLE TIONAL	002			

[Name, address and partners verified and updated if necessary.]	
BEGINNING TIME [MILITARY]	003

INTRODUCTION [Introduce yourself, and ask for the operator. Rephrase in your own words.]

	possible. Authority for collection of information on the Fr	
	d to compile and publish estimates for your state and the U_{i}	nited States.
Response to this survey is confidential and voluntary.		

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

[Read or show label to respondent to verify the name(s) and spelling, and **ask if the operation did business under any other name**, such as a farm or ranch name. Make corrections or additions **on label**. Verify partner labels on page 2 and make corrections if necessary. Begin interview with item 1 below.] . . -

1.	During 1997, were any crops (including new plantings), livestock or poultry on the total acres operated?	□ YES - [Go to item 6.]		NO - [Continue.]
2.	During 1997, did this operation sell any agricultural products or receive government agricultural payments? (Exclude any income received as a landlord.)	□ YES - [Go to item 6.]		D NO - [Continue.]
3.	During 1997, 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 6.]		NO - [Continue.]
4.	During 1997, did this operation have any fruit acres which were operated by a management firm?	□ YES - [Go to item 6.]		NO - [Continue.]
			1	

[Go to page 2, item 5.]

2 SCREENING

PA	RTNERS:		LSF II	D		LSF ID					
PAI	RTNER NAME					PARTNER NAME					
AD	DRESS					ADDRESS					
CIT	Y	STA	ATE ZIP	PHONE NUM	IBER	CITY	ST	ATE	ZIP	PHONE NUN	MBER
5.	FNI MER	ATOR	ACTION: (Items 1-	A on the face n	ada ara all NA	and Record Si	tatus — 99?]				
J.			item 12.]		[Go to item 8.]		atus — 99? j				
б.	During the 1	997 cra	op year, did [operation rops from showcard]	n named on fac	e page] have a	ny					
		-	-							004	ODE
	YES -	[En	nter code 1 and contin	nue.]	NO - [Con	ntinue.]					
7.			ACTION: Does RS	-							
	YES -	[If i If i	item 6 was NO , enter tem 6 was YES , go to	r response code : o item 10.]	5 and conclude	e interview.					
	□ NO-	[Co	ntinue.]				005	006	007		008
						PARTNERS' STRATUM	005	006 	-007	·	008 ———
8.	During 1997, day-to-day de	did yc cisions	ou [target name] mak s for any other farms (re any or ranches?							
	🗌 YES -	•	Verify operation operation	ns and partr ng 1997, ma	ners labeled I rk out labe	l on page 3 e l.	. If (targe	et name) wa	sn't invc	olved in a	labeled
		•	Update page 3 decisions as ar operations, pla	n individua l	l operator o	or partner.	If there a	are more that	an 2 othe	ər	
	□ NO -	٠	lf item 6 was Y	'ES , go to ite	em 10.						
		•	lf item 6 was N	IO, enter res	sponse cod	e 5 and cor	nclude inte	erview.			
		•	lf item 5 was N	IO, enter res	sponse cod	e 4 and go	to item 12	2.			
<i>9</i> .	ENUMER	ATOR	ACTION:								
	• If item	6 wa	as YES , complete	e item 10 fo	r operation	on face pag	ge.				
	• If item s	5 was I	NO, enter response co	ode 4 and go to	item 12.						
	• If item 6 was NO , enter response code 5 and conclude the interview.]										
10.	0. During 1997, were the day-to-day decisions for this farming/ranching operation made by										
	an individual operator? [Enter 1 in the Reporting Unit cell.]										
	partners? [Enter number of partners (including operator) in Reporting Unit cell.]										
	🗌 al	nired m	nanager? [Enter 8 in	the Reporting	Unit cell.]					ADJUST	MENT FACTOR
11.	ENUMER/	ATOR	ACTION: [Go to p	age 3.33 and	begin the inter	view. l				010 	

11. [ENUMERATOR ACTION: [Go to page 3.33 and begin the interview.]

SCREENING

	PARTNER	≀S :	LSF ID		
	PARTNER NA	ME			
OPERATOR NAME	ADDRESS				
ADDRESS	CITY	STATE	ZIP	PHONE NUMBER	
CITY STATE ZIP PHONE NUMBER	_	01.112			
UIT STATE ZIF THONE NOWDER	+				
			LSF ID		
8a. During the 1997 crop year, did this operation have any bearing fruit acreage?		ME			
	ADDRESS				
Section IC - [Go to next operation.]	CITY	STATE	ZIP	PHONE NUMBER	
8b. How many bearing acres of all fruit (not ACRES		013	014	015 016	
just target crops) did this	PARTNERS" STRATUM				
$\begin{array}{ccc} & & & & \\ \hline & & & \\ \text{OPERATION 3:} & \rightarrow & & \\ \hline & & & \\ \hline & & & \\ \hline \\ \hline$	PARTNER	₹S:	LSF ID	•	
OPERATION NAME (IF ANY)	PARTNER NA	ME			
OPERATOR NAME	ADDRESS				
ADDRESS	CITY	STATE	ZIP	PHONE NUMBER	
CITY STATE ZIP PHONE NUMBER	-				
	+		LSF ID		
	PARTNER NAME				
8a. During the 1997 crop year, did this operation have any bearing fruit acreage?	ADDRESS				
\Box YES NO - [Go to next operation.]	CITY	STATE	ZIP	PHONE NUMBER	
8b. How many bearing acres of all fruit (not ACRES		017	018	019 020	
just target crops) did	PARTNERS" STRATUM				
this operation GO BACK TO ITEI have?	M 9 ON PAGE	2			
nave: 12. Is anyone now operating the land you [operation on face page] former	·lv onerated?			CODE	
			1	021	
YES - [Enter code 1, and complete informat	ION DEIOW IUI	-	-		
l	LI	NO - [<i>Make</i>	e notes and	l conclude interview.]	
Name	_				
Address	_				
Phone ()					
022	ヿ _			CHEMICAL EDIT TABLES	
023				300	

LAND OPERATED

4

TOTAL ACRES IN THIS OPERATING ARRANGEMENT

A

(Include the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land. Include land in other states.)

1.	Dur	ing the 1997 crop year, how many total acres did this operation	ACRES	
		own?+	030	
	b.	rent FROM others? (Exclude land used on an AUM basis.)	031	
	С.	rent TO others? (Include privately owned/rented land administered by a public agency through exchange-of-use.)	032	
	d.	operate during some part of the year and rent to another operation for the other part of the year?+	033	
	е.	Then the TOTAL acres in this operation including the farmstead, all cropland, pastureland, wasteland,		
		Then the TOTAL acres in this operation including the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land was [total of 1a + 1b - 1c + 1d]? =	034	

2. Have I accounted for the farmstead, all cropland, pastureland, wasteland, wetland, woodland and government program land in this operation?

YES-	[Continue.]	

NO - *[Make corrections, then continue.]*

CHEMICAL EDIT TABLES

1.	What target fruit crops were on these [Section A , item 1e]
	acres during the 1997 crop year?
	[Exclude new plantings and other plantings which are not yet bearing.]

T-TYPE TABLE 001 1 LINE 99 199

L I N E	1 CROP	2 CROP CODE	3 How many BEARING acres of [crop] did this operation have?	5 What was the TOTAL production of this crop for all uses in the 1997 crop year?	6 How many of these [column 3] acres were certified ORGANICALLY grown?	7 What was the total production from the organically produced acres?	8 How much did the [column 5 or 7] unit weigh? [If unit was pounds, enter 1.0.]
		101	ACRES 102	104 UNIT	ACRES 105	106 UNIT	POUNDS 107
01		101	•		•		•
02		101	<i>102</i>	104	<i>105</i>	106	
03		101	<i>102</i>	104	<i>105</i>	106	
04		101	<i>102</i>	104	<i>105</i>	106	
05		101	<i>102</i>	104	105	106	
06		101	<i>102</i>	104	105	106	
07		101	<i>102</i>	104	<i>105</i>	106	
08		101	102 •	104	105 •	106	
09		101	102 •	104	105 •	106	
10		101		104	105 •	106	
11		101		104	105 •	106	
12		101		104		106	
13		101	102	104	105	106	107
14		101	102	104	105	106	107
15		101	<i>102</i>	104	105	106	107

NOTES:

B

L I N E 01 02 03	9 Were any herbicides, insecticides, fungicides, etc. applied to this crop? [YES = 1] 108 108 108	 INCLUDES & EXCLUDES & ENUMERATOR NOTE INCLUDE: TARGET CROPS ONLY. All commercial bearing acreage equal to or greater than one tenth of an acre. All bearing acreage of TARGET CROPS for processing or fresh market. All bearing acreage of TARGET CROPS for roadside stands, farmer's markets or U-pick sales. Bearing acreage not harvested due to weather, economic or other reasons.
04 05 06 07	108 108 108 108	 EXCLUDE: ALL CROPS GROWN IN ANOTHER STATE. Non-commercial orchard and vineyard acreage. New plantings and other plantings which are not yet bearing. All TARGET CROPS grown by institutional, experimental, research and university farms. Abandoned orchards and vineyards.
08	100	ENUMERATOR NOTE:
09	108	• If production is a valid zero for target commodities with positive acres (in Section B table), make a note explaining why no production was
10	100	harvested. (Weather, economic factors, etc.)
	108	
11		
12	108	
13	108	
13	108	
	108	I İ
15		

B

CROP CODES

	FLORIDA
AVOCADOS	55
GRAPEFRU	
2075	FRESH MARKET ONLY
4075	PROCESSING ONLY
75	FRESH & PROCESSING
LIMES	
2077	FRESH MARKET ONLY
4077	PROCESSING ONLY
77	FRESH & PROCESSING
ORANGES,	
2079	FRESH MARKET ONLY
4079	PROCESSING ONLY
79	FRESH & PROCESSING
TANGELOS	
2080	FRESH MARKET ONLY
4080	
00	FRESH & PROCESSING
TANGERIN	,
	FRESH MARKET ONLY
	PROCESSING ONLY
01	FRESH & PROCESSING
TEMPLES,	
2158	
1100	PROCESSING ONLY
158	FRESH & PROCESSING
	CEORCIA

GEORGIA

- APPLES, 2053 FRESH MARKET ONLY 4053 PROCESSING ONLY 53 FRESH & PROCESSING

BLUEBERRIES,

2057 FRESH MARKET ONLY 4057 PROCESSING ONLY 57 FRESH & PROCESSING

PEACHES, 2068 FRESH MARKET ONLY 4068 PROCESSING ONLY 68 FRESH & PROCESSING

MICHIGAN

- APPLES, 2053 FRESH MARKET ONLY 4053 PROCESSING ONLY 53 FRESH & PROCESSING

- **BLUEBERRIES,** 2057 FRESH MARKET ONLY 4057 PROCESSING ONLY 57 FRESH & PROCESSING

GRAPES,

2063 TABLE ONLY 4063 WINE/JUICE ONLY

PEACHES,

- 2068 FRESH MARKET ONLY 4068 PROCESSING ONLY
- 68 FRESH & PROCESSING

SWEET CHERRIES,

- 2155 FRESH MARKET ONLY 4155 PROCESSING ONLY 155 FRESH & PROCESSING

TART CHERRIES,

 	FRESH MARKET ONLY PROCESSING ONLY
156	FRESH & PROCESSING

	NEW JERSEY
APPLES,	
2053 4053	FRESH MARKET ONLY PROCESSING ONLY
4053 53	FRESH & PROCESSING
50	
BLUEBERK	
2057	FRESH MARKET ONLY
4057 57	PROCESSING ONLY FRESH & PROCESSING
57	Theorem a Thoelooning
PEACHES,	
2068	FRESH MARKET ONLY
4068 68	PROCESSING ONLY FRESH & PROCESSING
00	TRESH&TROCESSING
	NEW YORK
APPLES,	
2053	FRESH MARKET ONLY PROCESSING ONLY
4055	FRESH & PROCESSING
GRAPES,	
2063 4063	TABLE ONLY WINE/JUICE ONLY
4005	WINEJUICE ONLI
PEACHES,	
	FRESH MARKET ONLY
4068	PROCESSING ONLY FRESH & PROCESSING
68	FRESH & PROCESSING
PEARS,	
2069	FRESH MARKET ONLY
4069	
69	FRESH & PROCESSING
TART CHER	RIES
2156	FRESH MARKET ONLY
4156	PROCESSING ONLY
156	FRESH & PROCESSING
	NORTH CAROLINA
APPLES,	NORTH CAROLINA
2053	NORTH CAROLINA FRESH MARKET ONLY
2053	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY
2053 4053 53	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING
2053 4053 53 BLUEBER	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING PRES
2053 4053 53 BLUEBERH 2057	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING ETES, FRESH MARKET ONLY
2053 4053 53 BLUEBER	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING RIES, FRESH MARKET ONLY PROCESSING ONLY
2053 4053 53 BLUEBERI 2057 4057 57	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING RIES, FRESH MARKET ONLY PROCESSING ONLY
2053 4053 53 BLUEBERN 2057 4057 57 PEACHES,	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING ETES, FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING
2053 4053 53 BLUEBERH 2057 4057 57 PEACHES, 2068	NORTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING PRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING FRESH & PROCESSING
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156 FRESH & PROCESSING

APPLES.	OREGON
2053	FRESH MARKET ONLY
4053 53	PROCESSING ONLY FRESH & PROCESSING
BLACKBER	
2056	FRESH MARKET ONLY PROCESSING ONLY
4056 56	PROCESSING ONLY FRESH & PROCESSING
BLUEBERI	
2057	FRESH MARKET ONLY
4057 57	PROCESSING ONLY FRESH & PROCESSING
GRAPES,	
2063 4063	
	WINE/JUICE ONLY
PEARS, 2069	FRESH MARKET ONLY
4069	PROCESSING ONLY
	FRESH & PROCESSING
RASPBERR 2140	FRESH MARKET ONLY
4140	PROCESSING ONLY
	FRESH & PROCESSING
SWEET CH 2155	ERRIES, FRESH MARKET ONLY
4155	PROCESSING ONLY
155	
TART CHEI 2156	REES, FRESH MARKET ONLY
4156	FRESH MARKET ONLY PROCESSING ONLY
156	FRESH & PROCESSING
	HIACITATION
APPLES,	WASHINGTON
2053 4053	FRESH MARKET ONLY PROCESSING ONLY
53	
GRAPES,	
2063 4063	
PEACHES.	
2068	
	PROCESSING ONLY
4068 68	PROCESSING ONLY
4068 68 PEARS, 2069	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY
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4068 68 PEARS, 2069 4069 69	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING
4068 68 PEARS, 2069 4069 69 RASPBERR 2140	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY
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4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 140 5WEET CH 2155	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING TES, FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING ERRIES, FRESH MARKET ONLY
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4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 5WEET CH 2155 4155 155	PROCESSING ONLY FRESH & PROCESSING FRESH & PROCESSING ONLY FRESH & PROCESSING PROCESSING ONLY FRESH MARKET ONLY FRESH & PROCESSING ERRIES, FRESH MARKET ONLY FRESH MARKET ONLY FRESH & PROCESSING SOUTH CAROLINA
4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 SWEET CH 2155 4155 155 155 2053 4053	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING TES , FRESH MARKET ONLY FRESH & PROCESSING ERRES , FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING SOUTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY
4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 5WEET CH 2155 4155 155 55 55 55 55 55 55 55 53 53	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING TES , FRESH MARKET ONLY FRESH & PROCESSING ERRES , FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING SOUTH CAROLINA FRESH MARKET ONLY PROCESSING ONLY
4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 SWEET CH 2155 4155 155 155 2053 4053 53 PEACHES	PROCESSING ONLY FRESH & PROCESSING FRESH & PROCESSING ONLY FRESH & PROCESSING FRESH & PROCESSING FRESH MARKET ONLY FRESH & PROCESSING FRESH MARKET ONLY FRESH & PROCESSING SOUTH CAROLINA FRESH MARKET ONLY FRESH MARKET ONLY FRESH & PROCESSING FRESH & PROCESSING FRESH & PROCESSING
4068 68 PEARS, 2069 4069 69 RASPBERR 2140 4140 140 SWEET CH 2155 4155 155 55 55 55 55 55 55 55 55 55 53	PROCESSING ONLY FRESH & PROCESSING FRESH MARKET ONLY PROCESSING ONLY FRESH & PROCESSING ONLY FRESH MARKET ONLY FRESH & PROCESSING ERRIES, FRESH MARKET ONLY FRESH & PROCESSING SOUTH CAROLINA FRESH MARKET ONLY FRESH & PROCESSING FRESH & PROCESSING FRESH & PROCESSING FRESH & PROCESSING FRESH & PROCESSING

68 FRESH & PROCESSING

CHEMICAL APPLICATIONS

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ar al	oplications to y	our mad	fruit before ha le to trees, vir	arvest. Pl neyards or	e and chemical lease consider bushes which						
1.	Since last ye any of your b	ars ear	(1996) harves ing fruit acrea	st, did you ge?	use herbicide c	on 			□ YES		NO
2.	Since last ye miticides on	ars any	(1996) harves / of your bear	st, did you ing fruit a	use insecticide creage?	es, nematici	ides or		U YES		NO
3.		i un g ars (gicides on an (1996) harves	y of your	bearing fruit acre	eage			U YES		NO
<i>4.</i> 5.	on any of you	ner ur be OR	s, microbial ag earing fruit ac	gents, rod reage sind <i>e items 1</i>	lenticides, etc. ce last years (199 - <i>4 all NO</i> ?]	96) harvest? o item 6, on			□ YES		NO
	0 [0	0.0	C CCCCC, pc	.go /o.j			nom pago.]		T-TYPE	TAB	LE
									3	00	1
										399	
		Ļ	1	2	3	4	6		7 OR	8	
		I N E	CROP	CROP CODE	What products were applied to the	Was this product bought in	[Enter line number of first product	wa	w much s applied	What the to	
					[<i>crop</i>]?	liquid or dry form?	in the tank mix.]	•	er acre per blication?	applie	d per
N	OTES:					liquid or dry form?	in the tank	•	per	applie	d per
N	OTES:	01		301	[crop]? [Enter product code.] 302	liquid or	in the tank	•	per lication?	appliea applica	d per
N	DTES:			301 301	[Enter product code.]	liquid or dry form?	in the tank mix.]	app	per lication?	applie applica	d per
N(DTES:	02			[Enter product code.] 302	liquid or dry form?	in the tank mix.]	арр 305	per lication?	appliea applica	d per
N(DTES:	02 03		301	[Enter product code.] 302 302	liquid or dry form?	in the tank mix.]	apr 305 305	per blication?	applied applica 306 306	d per
N(DTES:	02 03 04		301 301	[Enter product code.] 302 302 302	liquid or dry form?	in the tank mix.] 304 304	app 305 305 305	per blication?	applica applica 306 306 306	d per
N(OTES:	02 03 04 05		301 301 301	[Enter product code.] 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304	ap 305 305 305 305	per blication?	applica applica 306 306 306 306	d per
N(OTES:	02 03 04 05 06		301 301 301 301 301	[Enter product code.] 302 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304 304	apr 305 305 305 305	per olication?	applica 306 306 306 306 306 306	d per
N(DTES:	02 03 04 05 06 07		301 301 301 301 301 301	[Enter product code.] 302 302 302 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304 304 304 304	apr 305 305 305 305 305 305	per olication?	applica 306 306 306 306 306 306 306	d per
	OTES:	02 03 04 05 06		301 301 301 301 301 301 301	[Enter product code.] 302 302 302 302 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304 304 304 304 304	app 305 305 305 305 305 305	per blication?	applica 306 306 306 306 306 306 306 306	d per
	OTES:	02 03 04 05 06 07 08 09		301 301 301 301 301 301 301 301 301 301 301 301 301 301 301	[Enter product code.] 302 302 302 302 302 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304 304 304 304 304 304 304	app 305 305 305 305 305 305 305	per blication?	applica 306 306 306 306 306 306 306 306 306	d per
	DTES:	02 03 04 05 06 07 08		301 301 301 301 301 301 301 301 301 301 301 301 301 301 301 301 301	[Enter product code.] 302 302 302 302 302 302 302 302 302 302	liquid or dry form?	in the tank mix.] 304 304 304 304 304 304 304 304 304 304	app 305 305 305 305 305 305 305 305	per olication?	applica 306 306 306 306 306 306 306 306 306 306	d per

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CHEMICAL APPLICATIONS

6. Now I need to get complete information on all of the chemicals you applied during the 1997 crop year to each of the target fruit crops you grew. Let's start with the first application to your [*crop*].

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[Complete the tables for all chemical applications to the target fruit crops. Include bearing acres only. Exclude applications made to fruit after harvest. Use supplemental tables if necessary. If foliar applications of nutrients are reported, don't record these.]

[ENUMERATOR NOTE: If no code is listed in the Respondent Booklet, record the name and formulation of the product applied, what it was used for (herbicide, insecticide, fungicide, etc.), whether it was liquid or dry, and (if available) its EPA registration number.]

[ENUMERATOR NOTE: If respondent is not able to report columns 7 or 8, ask respondent to report: AMOUNT OF PRODUCT mixed with 100 gallons of water, NUMBER OF GALLONS PER TANK and NUMBER OF TANKS USED.]

L I N E	9 [Enter unit code.] 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 OUNCES 30 GRAMS	10 What percent of the rows were covered? 100 All Rows 50 Every Other Row Other	12 How many times was it applied? NUMBER	13 How many acres were treated with this product? (Include only bearing acres.) ACRES	17 Were thes application made by- 1 operator, partner, family membe 2 custom applicator 3 employee/other CODE	is -
	307	308	310	311	317 318	
01				·		
02	307	308	310	311 ·	317 318	
03	307	308	310	311	317 318	
04	307	308	310	311	317 318	
05	307	308	310	311 ·	317 318	
06	307	308	310	311 ·	317 318	
07	307	308	310	311 ·	317 318	
08	307	308	310	311 ·	317 318	
09	307	308	310	311 ·	317 318	
10	307	308	310	311 ·	317 318	
11	307	308	310	311 ·	317 318	
12	307	308	310	311 ·	317 318	

CHEMICAL APPLICATIONS

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Г	L	1	2	3	4	6	7 OR	8
	L I N E	CROP	CROP CODE	What products were applied to the [crop]?	Was this product bought in liquid or dry form?	[Enter line number of first product in the tank mix.]	How much was applied per acre per application?	What was the total amount
NOTES:				[Enter product code.]	[Enter L or D.]			
	13		301	302		304	305	306
	14		301	302		304	305	306
	15		301	302		304	305	306
	16		301	302		304	305	306
	17		301	302		304	305	306
	18		301	302		304	305	306
	19		301	302		304	305	306
	20		301	302		304	305	306
	21		301	302		304	305	306
	22		301	302		304	305	306
	23		301	302		304	305	306
	24		301	302		304	305	306
	25		301	302		304	305	306
	26		301	302		304	305	306
	27		301	302		304	305	306
	28		301	302		304	305	306
	29		301	302		304	305	306
	30		301	302		304	305	306
	31		301	302		304	305 ·	306
	32		301	302		304	305	306
	33		301	302		304	305	306
	34		301	302		304	305 ·	306
	35		301	302		304	305	306
	36		301	302		304	305	306

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CHEMICAL APPLICATIONS F

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L I N E	9 [Enter unit code.] 1 POUNDS 12 GALLONS 13 QUARTS 14 PINTS 15 OUNCES 30 GRAMS	10 What percent of the rows were covered? 100 All Rows 50 Every Other Row Other	12 How many times was it applied?	13 How many acres were treated with this product? (Include only bearing acres.)	17 Were these applications made by 1 operator, partner, family member 2 custom applicator 3 employee/other
	007	[Enter percent covered.]	NUMBER	ACRES	CODE
13	307	308	310	311 ·	317 318
14	307	308	310	311 ·	317 318
15	307	308	310	311	317 318
16	307	308	310	311 ·	317 318
17	307	308	310	311	317 318
18	307	308	310	311	317 318
18	307	308	310	311	317 318
20	307	308	310	311	317 318
20	307	308	310	311	317 318
21	307	308	310	311	317 318
	307	308	310	311	317 318
23 24	307	308	310	311	317 318
24	307	308	310	311	317 318
25	307	308	310	311	317 318
20	307	308	310	311	317 318
28	307	308	310	311	317 318
20	307	308	310	311	317 318
30	307	308	310	311	317 318
30	307	308	310	311	317 318
32	307	308	310	311	317 318
32	307	308	310	311	317 318
34	307	308	310	311	317 318
34	307	308	310	311	317 318
36	307	308	310	311	317 318

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infc Ref	orma er b	ERATOR NOTE: <i>Record pest management pration for the main target fruit crop</i> (in terms of a back to Section B for this information. The name and code.]	actices bearing acreage	e). 0	PE TABL	E LINE 00
					0P NAME 501 0P CODE	
		nave some questions about pest management pr ay have used on [<i>main target fruit crop</i>].	actices			
1.		as this [<i>crop</i>] scouted for (<i>weeds, insects or disea</i> YES - [<i>Enter code 1 and continue.</i>] \Box NO - [<i>Go to</i>	50	WEEDS	INSECTS 503	DISEASES
2.	Ho	w many years have you been using scouting [<i>crop</i>] for (<i>weeds, insects or diseases</i>)?	50	WEEDS	INSECTS 506	DISEASES 507
	a.	Are written or electronic (<i>weed, insect or diseas</i> , records(counts) kept from the scouting for [<i>crop</i>]	?	WEEDS	INSECTS 509	DISEASES 510
	b.	Who did the majority of scouting on [<i>crop</i>] for (<i>weeds, insects or diseases</i>)?				·]
		1 OPERATOR OR FAMILY MEMBER 2 EMPLOYEE	-	WEEDS	INSECTS	DISEASES
		 FARM SUPPLY OR CHEMICAL DEALER EXTENSION SERVICE CROP CONSULTANT OR COMMERCIAL SCOUTING SERVICE OTHER 	→ ⁵	511	512	513
	C.	[Ask only if item 2b is code 3 or 5.] How many times did [item 2b, code 3 or 5] scout this target fruit crop during the 1997 crop year?	5 NUMBER	<i>WEEDS</i> 14	INSECTS 515	DISEASES
3.	INS	nat strategy did you use to decide to apply SECTICIDES to [<i>crop</i>]? Inter first code that applies.]				
		 INSECT PROBLEMS IN PREVIOUS YEARS (or sch 3 BASED ON CROP CONSULTANT'S THRESHOLD FOR INSECT COUNTS 4 BASED ON EXTENSION SERVICE THRESHOLDS FOR INSECT COUNTS 	S		517	CODE
		FOR INSECT COUNTS 5 BASED ON OPERATOR'S THRESHOLDS FOR IN 8 OTHER [SPECIFY] 9 DID NOT APPLY INSECTICIDES	SECT COUNTS			

PEST MANAGEMENT PRACTICES

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PEST MANAGEMENT PRACTICES

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		CROP NAME:
4.	What strategy did you use to decide to apply HERBICIDES to [<i>crop</i>]? [<i>Enter first code that applies</i> .]	
	 WEED PROBLEMS IN PREVIOUS YEARS (or schedule) BASED ON EXTENT OF INFESTATION FIELD MAPPING, COMPUTERIZED PROGRAM OTHER [SPECIFY] DID NOT APPLY HERBICIDES 	CODE
5.	What strategy did you use to decide to apply FUNGICIDES to [<i>crop</i>]? [Enter first code that applies.]	
	 PROBLEMS IN PREVIOUS YEARS (or schedule) BASED ON WEATHER FACTORS BASED ON DISEASE FORECASTING SYSTEM OTHER [SPECIFY] DID NOT APPLY FUNGICIDES 	519
б.	Was protection of naturally occurring beneficial organisms a factor in your pest control decisions for [<i>crop</i>]? (<i>Exclude bees</i>)	[<i>Go to item 6b.</i>]
	a. How do you protect beneficial organisms? [Enter up to 3 applicable codes.]	
	1 REDUCE PESTICIDE APPLICATION RATES 2 REDUCE PESTICIDE APPLICATION FREQUENCIES 3 CHOOSE PESTICIDES THAT ARE LESS HARMFUL TO BENEFICIAL ORGANISMS 8 OTHER [DESCRIBE]	521 522 523
	(1) How many years have you been protecting beneficial organisms for [<i>crop</i>]?	YEARS 524
	b. Did you use any beneficial organisms to control (weeds, insects or diseases) for [crop]?	
	$\Box \text{ YES - } [Enter code 1 and continue.]$	WEEDSINSECTSDISEASES525526527
	 NO - [Go to item 7.] (1) How many years have you been using beneficial organisms to control (weeds, insects or diseases) for [crop]? 	WEEDSINSECTSDISEASES528529530

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PEST MANAGEMENT PRACTICES

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б.	Con	tinued		CROP NA	ME:	
	С.	What beneficial insects or organisms did you use [List the beneficial insect(s) or organism(s).]	on [<i>crop</i>]?			OFFICE USE
					5	531
					5	532
					5	533
7.	Did a.	you use pheromones on [crop] to monitor pests by trapping?			-	CODE
		YES - [Enter code 1.] NO				34
	b.	to control pests by disrupting mating?				
		□ YES - [Enter code 1.] □ NO				35
	С.	[Ask only if item 7a or 7b was yes.]			5.	YEARS 36
		How many years have you been using pheromones on [crop]?			· · · · · · · · L	
	d.	What insect pest(s) were targeted with the pheromones? [List the insect pest(s).]				OFFICE USE
					5	537
					5	538
					5	539
8.	Did	you use any water management practices designed to combat (w	eeds. insects or			
	dise	ăses) for [crop]?		WEEDS	INSECTS	
		YES - [Enter code 1 and continue.] \square NO	54 <i>CODE</i>	0	541	542
9.	Do	you alternate the pesticides used on [crop] to slow develo eed, insect or disease) resistance?	pment of			
	(Us)	e pesticides with different active ingredients.)		WEEDS	INSECT	S DISEASES
		YES - [Enter code 1 and continue.] DNO		3	544	545
10.		I you have soil biological testing done to help control (insects or diseases) for [crop]?				
					INSECT:	S DISEASES 547
	D .	↓ YES - [Enter code 1 and continue.] □ N0				
11.	Did	I you consider (<i>insect or disease</i>) resistance when selecting which <i>[crop] rootstock</i> varieties to plant?			INSECT	s <i>DISEASES</i>
		_			548	549
12.	Did	I you utilize pruning specifically as a pest control for (<i>insects or diseases</i>) on [<i>crop</i>]?				
					INSECT: 550	s DISEASES 551
13.	Did	I you remove drops, rotting fruit and/or debris in order to control (<i>insects or diseases</i>) on [<i>crop</i>]?				s <i>DISEASES</i>
		_			INSECT: 552	553

ORGANIC PRACTICES

				6	ROP NAME:	
14.	Dic	you to h	choose planting locations for other crops help control (<i>weeds, insects or diseases</i>) on [<i>crop</i>]?	WEEDS	INSECTS	DISEASES
			YES - [Enter code 1 and continue.] DNO	554	555	556
15	Did					
10.	cor	ntrol	use practices such as tillage, mowing and chopping in order to (<i>weeds, insects or diseases</i>) on [<i>crop</i>]?	WEEDS	INSECTS	DISEASES
			YES - [Enter code 1 and continue.]	557	558	559
16.	Did (<i>we</i>	you eeds	do anything else besides pesticide applications to control <i>, insects or diseases</i>) on [<i>crop</i>] this year?	WEEDS	INSECTS	DISEASES
			YES - [Enter code 1 and continue.]	560	561	562
		a.	What did you do? [Record responses below.]		OFFICE USE	
				WEEDS	INSECTS	DISEASES
				563	566	569
				564	567	570
				565	568	571
17.	Ofi	he fo (we	llowing, which sources did you use for ed, insect or disease) control information for the selected [main target fruit crop]?	[If c in the a	checked, enter o appropriate box	code 1 es below.]
	-		PEST CONTROL INFORMATION SOURCES	WEEDS	INSECTS	DISEASES
		2	Commercial Scouting Service	572	586	600
		3	Crop Consultant or Pest Control Advisor	573	587	601
		4	Extension Advisor/Publications	574	588	602
	Ī	5	Electronic Information Services (World Wide Web, DTN, etc.)	575	589	603
		6	Farm Supply or Chemical Dealer	576	590	604
		7	Grower Associations	577	591	605
		8	Newsletter or Trade Magazines	578	592	606
		9	Organic Certifying Agent	579	593	607
		10	Other Growers	580	594	608
		11	Processor	581	595	609
		12	Special Events or Demonstration Projects	582	596	610
			Television or Radio Programs, Newspapers	583	597	611
			Other	584	598	612
			None	585	599	613
	a.		m the PEST CONTROL INFORMATION SOURCES, which	WEEDS	INCECTO	
		dis	urce did you consider as the most important for (<i>weed, insect or ease</i>) control information for [<i>main target fruit crop</i>]?	WEEDS 614	615	DISEASES 616
		[Er	nter code(s) (2-15) from table above.]			

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OFFICE USE

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ORGANIC PRACTICES

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CROP NAME 801 CROP CODE 901 I. What year did you become a certified organic grower of [crop]? 802 [Enter last two digits of year.] 902 2. During the 1997 crop year, did you 902 a. use any composted manure on the organic [crop] acres? 903 (Include composted manure produced on any farming/ranching operation.) code YES - [Enter code 1 and continue.] NO b. use any composted plant material on the organic [crop] acres? 804 (Include compost produced on any farming/ranching operation. 804 Exclude manure.) NO 804 c. plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? 805 YES - [Enter code 1 and continue.] NO 805 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) OFFICE USE 806 807	Sec rest	tion conc	ete this section only if the respondent reported organic acres in B , (column 6). Record the crop name and enter the crop code for dent's main organic crop (in terms of bearing acres). If no organic as reported, go to Section K , page 18.]	
1. What year did you become a certified organic grower of [crop]? [Enter last two digits of year.] 2. During the 1997 crop year, did you a. use any composted manure on the organic [crop] acres? (Include composted manure produced on any farming/ranching operation.) \Box YES - [Enter code 1 and continue.] \Box NO b. use any composted plant material on the organic [crop] acres? (Include compost produced on any farming/ranching operation.) Exclude manure.) \Box YES - [Enter code 1 and continue.] \Box NO plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? \Box YES - [Enter code 1 and continue.] \Box NO 804 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? NO - [Go to item 4.] a. What specific materials did you apply? (Include minerails, animal and fish by-products and humates.) OFFICE USE			CROP NAME	
1. What year did you become a certified organic grower of [crop]? [Enter last two digits of year.] 802 2. During the 1997 crop year, did you a. use any composted manure on the organic [crop] acres? (Include composted manure produced on any farming/ranching operation.) 603 Image: YES - [Enter code 1 and continue.] NO NO b. use any composted plant material on the organic [crop] acres? (Include compost produced on any farming/ranching operation. Exclude manure.) 803 Image: Description of the produced on any farming/ranching operation. 803 c. plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? 804 Image: Description of the organic [crop] acres to build soil structure and fertility? 805 Image: Description of the organic [crop] acres to build soil structure and fertility? 805 Image: Produced the organic [crop] acres to build soil structure and fertility? 805 Image: Produced the organic [crop] acres to build soil structure and fertility? 805 Image: Produced the organic [crop] acres to build soil structure and fertility? 806 Image: Produced the minerals, animal and fish by-products and humates.) 606			CROP CODE	
Image: The im				
 a. use any composted manure on the organic [crop] acres? (Include composted manure produced on any farming/ranching operation.) YES - [Enter code 1 and continue.] NO b. use any composted plant material on the organic [crop] acres? (Include compost produced on any farming/ranching operation.) YES - [Enter code 1 and continue.] NO No c. plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? YES - [Enter code 1 and continue.] NO 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? YES - [Continue.] NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) 	1.	Wh [<i>En</i>	at year did you become a certified organic grower of [<i>crop</i>]? <i>ter last two digits of year</i> .]	802
YES - [Enter code 1 and continue.] NO b. use any composted plant material on the organic [crop] acres? (Include compost produced on any farming/ranching operation. Exclude manure.) YES - [Enter code 1 and continue.] NO plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? 804 YES - [Enter code 1 and continue.] NO NO	2.		use any composted manure on the organic [crop] acres?	CODE
 b. use any composted plant material on the organic [crop] acres? (Include compost produced on any farming/ranching operation. Exclude manure.) YES - [Enter code 1 and continue.] NO plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? YES - [Enter code 1 and continue.] NO 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? YES - [Continue.] NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) 				803
YES - [Enter code 1 and continue.] NO 804 c. plant legume crops as ground cover on organic [crop] acres to increase available soil nitrogen? 805 YES - [Enter code 1 and continue.] NO 805 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) OFFICE USE		b.	use any composted plant material on the organic [<i>crop</i>] acres? (Include compost produced on any farming/ranching operation.	
 c. plant legume crops as ground cover on organic [<i>crop</i>] acres to increase available soil nitrogen? YES - [<i>Enter code 1 and continue</i>.] NO 3. Did you apply any other materials to the organic [<i>crop</i>] acres to build soil structure and fertility? YES - [<i>Continue</i>.] NO - [<i>Go to item 4</i>.] a. What specific materials did you apply? (<i>Include mined minerals, animal and fish by-products and humates.</i>) 				804
YES - [Enter code 1 and continue.] NO 805 3. Did you apply any other materials to the organic [crop] acres to build soil structure and fertility? YES - [Continue.] NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) OFFICE USE		C.	· · ·	
 3. Did you apply any other materials to the organic [<i>crop</i>] acres to build soil structure and fertility? YES - [<i>Continue</i>.] NO - [<i>Go to item 4</i>.] a. What specific materials did you apply? (<i>Include mined minerals, animal and fish by-products and humates.</i>) 				805
soil structure and fertility? VES - [Continue.] NO - [Go to item 4.] a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) OFFICE USE 806			□ YES - [Enter code 1 and continue.] □ NO	
a. What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.) 	3.	Did soil	you apply any other materials to the organic [<i>crop</i>] acres to build structure and fertility?	
0FFICE USE 806			YES - [<i>Continue.</i>] NO - [<i>Go to item 4.</i>]	
806		a.	What specific materials did you apply? (Include mined minerals, animal and fish by-products and humates.)	OFFICE LISE
807				
				807
808				808

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J	ORGANIC PRACTICES	J
4.	Did you use botanical insecticides on your organic [<i>crop</i>] acres?	
	\Box YES - [<i>Check all that apply.</i>] \Box NO - [<i>Go to item 5.</i>]	
	QUASSIA	CODE 809 810
	PYRETHRUM	811
	ROTENONE	812
	RYANIA	813
	SABADILLA	814
	NEEM	
5.	Did you use	
	a. bacterial pathogens (<i>Bt</i>) for insect control?	245
	\Box YES - [Enter code 1 and continue.] \Box NO	815
	b. viral pathogens (Granulosis virus) for insect control?	240
	\Box YES - [Enter code 1 and continue.] \Box NO	816
6.	Did you	
	a. use pheromones to disrupt insect mating?	
	\Box YES - [Enter code 1 and continue.] \Box NO	817
	b. plant trap crops for insect control?	
	\Box YES - [Enter code 1 and continue.] \Box NO	818
7.	What other materials did you use for insect control? [<i>Check all that apply.</i>]	
	DORMANT/SUMMER SUFFOCATING OILS	819
	INSECTICIDAL SOAPS [If checked, enter code 1.]	820
	OTHER (Specify)	821
8.	Did you	
	a. plant crops to establish habitats for beneficial insects?	
	\Box YES - [Enter code 1 and continue.] \Box NO	822
	 b. purchase and release beneficial parasites or predatory insects, mites and/or nematodes to help control insects? 	
		823

ORGANIC PRACTICES

9. C)id you			CROP N	AME	
		WEEDS		INSECTS		DISEASES
		CODE		CODE		CODE
a.	scout for [<i>column</i>]? [YES = 1]	858	85]	860
b.	plant ground cover as living mulch to help control [<i>column</i>]? [YES = 1]	824		28		835
C.	plant ground cover to be incorporated into the soil to help					
	control [<i>column</i>]? [YES = 1]	825	82	29		836
d.	use other mulch materials to help					
	control [<i>column</i>]? [YES = 1	826	83	30]	837
e.	uso mochanical tillago practicos to					
с.	use mechanical tillage practices to help control [<i>column</i>]? [YES = 1]	827	83	31]	838
f.	select [column] - resistant varieties					
	select [<i>column</i>] - resistant varieties of [<i>crop</i>] to grow organically? [YES = 1]			32]	839
g.	have soil biological testing done					
y.	to help control [<i>column</i>]? [YES = 1]		83	33]	840
h.	have leaf analyses done to help					
	control [<i>column</i>]?		83	34		841

10. What materials did you apply for disease control? (*Enter code for all that apply.*)

 \boldsymbol{J}

(CODE
	SULFUR	 842
		 843
	COPPER SULFATE	 844
		 845
	OTHER (Specify).	 846

	OFFICE USE
847	

J

J	ORGANIC PRACTICES	J
	CROP NAME	
11. Dic	you use any other cultural techniques to control weeds, insects or diseases on your organic [<i>crop</i>] acres?	CODE
	\Box YES - [Enter code 1 and continue.] \Box NO - [Go to item 12.]	
	a. What did you do? [Record responses.]	OFFICE USE 849
		850
		851
12. Dic	l you use any other cultural techniques to control animals and birds on your organic [<i>crop</i>] acres?	CODE
	\Box YES - [Enter code 1 and continue.] \Box NO - [Go to item 13.]	002
	a. What did you do? [Record	OFFICE USE 853
	responses.]	854
		855
	the following, which source did you use most for pest control information for your organic [<i>crop</i>]? <i>1 COMMERCIAL SCOUTING SERVICE</i> 2 CROP CONSULTANT or PEST CONTROL ADVISOR 3 EXTENSION ADVISOR/PUBLICATIONS 4 FARM SUPPLY or CHEMICAL DEALER 5 GROWER ASSOCIATIONS 6 NEWSLETTERS or TRADE MAGAZINES 7 ORGANIC CERTIFYING AGENT 8 OTHER GROWERS 9 PROCESSOR 10 SPECIAL EVENTS or DEMONSTRATIONS, TELEVISION or RADIO PROGRAMS, NEWSPAPERS 11 NONE	CODE 856
14. WI	at marketing channel did you use most for sales of your organic [crop] sold TO or THROUGH	
	 DIRECT TO CONSUMERS? (roadside stands, farmers markets, etc.) DIRECT TO NATURAL FOOD RETAILERS? A GROCERY RETAILER? A BROKER, PACKER OR SHIPPER? A GROWER COOPERATIVE? A PROCESSOR? A GROCERY CHAIN DISTRIBUTOR? (Safeway, Kroger, Giant, etc.) OTHER GROCERY WHOLESALERS OR DISTRIBUTORS? ANY OTHER MARKET? 	857

K

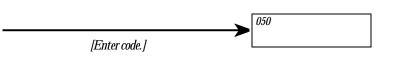
		YEARS
1.	How many years have you (the operator) been operating a farm/ranch?	040
2.	Did you (the operator) grow up on a farm/ranch?	CODE
	□ YES - [Enter code 1.] □ NO	041
3.	How much formal education do you (the operator) have? 1 LESS THAN HIGH SCHOOL 2 COMPLETED HIGH SCHOOL 3 VOCATIONAL TRAINING AFTER HIGH SCHOOL 4 SOME COLLEGE 5 COMPLETED COLLEGE 6 GRADUATE SCHOOL	042
		YEARS
4.	What was your (the operator's) age on your last birthday?	043
		CODE
5.	What is your (the operator's)1FARM OPERATOR/GROWERprimary occupation?2HIRED FARM MANAGER3NON-FARM WORK	
	primary occupation?	
6.	During 1997, will or did you (the operator) work off this operation for wages or a salary? (<i>Include proprietorship of any off-farm business.</i>)	
	□ YES - [Enter code 1.] □ NO - [Go to item 7.]	045
	a. How many days did you (the operator) work (or will work) off the farm for wages or a salary?	046
7.	During 1997, will or did your (the operator's) spouse work off this operation for wages or a salary? (<i>Include proprietorship of any off-farm business.</i>)	
	□ YES - [Enter code 1.] □ NO - [Go to item 8.]	047
	a. How many days did your (the operator's) spouse work (or will work) off the farm for wages or a salary?	048
8.	In the past year, have you gone to courses (<i>dealer promotions, planned field days, etc.</i>) on agricultural production techniques or management, not including those required for holding a certified applicator license?	049
	□ YES - [Enter code 1.] □ NO	U73

K

- Now I would like to classify the total acres operated in terms of total gross value of sales. *9*. [Be sure sales represent only 1996 and earlier years' production from acres operated.]
 - Considering--•
- all crops sold in 1996,
 all livestock, poultry (including commercial broilers), and products (milk, eggs, etc.) sold in 1996,
 all sales produced under contract for 1996 crops, livestock or poultry,
 all sales of any miscellaneous agricultural products in 1996,
 all government payments received in 1996,
 landlord's share of government payments and crops sold in 1996;

What code represents the total gross value of sales? \Box 1 Less than \$1,000

	Less	11ali \$1,000		
2	\$	1,000	\$	<i>2,499</i>
3	\$	2,500	\$	4,999
4	\$	5,000	\$	<i>9,999</i>
5	\$	10,000	\$	<i>19,999</i>
6	\$	20,000	\$	24,999
7	\$	25,000	\$	<i>39,999</i>
8	\$	40,000	\$	<i>49,999</i>
9	\$	50,000	\$	<i>99,999</i>
10	\$	100,000	\$	249,999
11	\$	250,000	\$	<i>499,999</i>
12	\$	500,000 and a	over	



10. Of the farm income reported, which of these categories represents the largest portion of the gross income from the operation?

		-	
1	GRAINS and OILSEEDS (corn, dry beans, dry peas, flaxseed, grain silage and forage, grains and oilseeds for seed, popcorn, rice, small grains, sorghum, soybeans, sunflowers)	\Box 1	
2	товассо	$\square 2$	
3	СОТТОЛ		
4	VEGETABLES and MELONS (beets, cabbage, cantaloupes, potatoes, pumpkins, sweetcorn, sweet potatoes, tomatoes, watermelons, vegetable seed and others)	4	
5	FRUIT, TREE NUTS and BERRIES (almonds, apples, blueberries, cherries, grapes, hazelnuts, kiwifruit, oranges, pears, pecans, strawberries, walnuts and others)	5	
6	NURSERY, GREENHOUSE and FLORICULTURE (bedding plants, bulbs, Christmas trees, cut flowers, flower seed, foliage plants, mushrooms, nursery stock, potted plants, shrubbery, sod and others.)	6	ENTER CODE
7	OTHER CROPS (grass seed, hay, hops, maple, mint, peanuts, sugarcane, sugarbeets.)	7	051
8	BEEF CATTLE (beef cattle for breeding stock, fed cattle, stockers and feeders, veal calves)		
9	DAIRY (milk and other dairy products, sales of dairy animals)	$\Box g$	
10	HOGS	10	
11	SHEEP, GOATS, WOOL and MOHAIR	11	
12	EQUINE (burros, donkeys, horses, mules, ponies)	12	
13	POULTRY and EGGS (broilers, chickens, ducks, eggs, geese, hatcheries, pheasants, poultry products, turkeys)	13	
14	AQUACULTURE (catfish, trout and other finfish, and shellfish)	14	
15	OTHER ANIMALS (bees, honey, fur-bearing animals, rabbits, and other animal specialties)	15	

OFFICE USE
052

CODE

060

SURVEY PUBLICATIONS

The results of this survey will be published in the summer of 1998. 1. Would you like to receive a free copy?

YES - [Enter code 1.]

LOCATION

2.	2. [ENUMERATOR ACTION: Mark the map to indicate the area where the largest amount of the respondent's target fruit is produced. Then record the name of the county in which this production is grown. Be sure the "X" you mark on the map is in this county.]		
	County Name	061	
	[Thank the respondent then review this questionnaire.]		
RE	CORDS USE		
	Did respondent use farm/ranch records to report chemical data?		
		062	

٦

□ YES - [Enter code 1.] □ NO	· · · · · · · · · · · · · · · · · · ·	
[ENUMERATOR NOTE: This should be done by observation. What is the gender of the operator?]		064
ENDING TIME [MILITARY]	·····	065 OFFICE USE -
		TIME IN HOURS
SUPPLEMENTS USED		NUMBER
Record the total number of chemical supplements used to complete this interview.	CHEMICAL SUPPLEMENTS	068
RESPONDENT		
1 OPERATOR/MANAGER OR PARTNER 2 SPOUSE 3 OTHER]	<i>CODE</i> 069
Respondent's name (if other than	n operator or spouse)	
	(Phone)	
		ENUMERATOR ID
ENUMERATOR		070
	•	MM DD YY
DATE		071//97
		EVALUATION
		072

[ENUMERATOR NOTE: If other people (custom applicators, contractors, etc.) were contacted for assistance in completing this questionnaire, please record their names and phone numbers below.]