2023 FRUIT CHEMICAL USE SURVEY

OMB No. 0535-0218 Approval Expires: 6/30/2026 Project Code: 141 SurveyID: 1241



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						CALIF	ORNIA E	NTERPR	ISE
٧	ERSION 01		POID	SUBTRA	СТ				
			CON	NTACT REC	ORD				
	DATE	TIME			NOTES				
discleacco U.S. https Acco colle	oses ANY ordance wi C. Ch. 35 s://www.na ording to the oction of integrations in plete this i	identifiable in th the Confide and other app ss.usda.gov/o ne Paperwork formation unle	will be used for statistical purposes formation about you or your operation and Information Protection and Staticable Federal laws. For more information formation and Information Reduction Act of 1995, an agency of the static and Information and Information and Information Information and Information and Information and Information Information and Information Info	tion is subject atistical Efformation on the control of the contro	ect to a jail term, a fine, or ciency Act of 2018, Title II how we protect your information of the protect of sponsor, and a poet valid OMB number is 05 or response, including the terms.	both. This I of Pub. I mation ple erson is n i35-0218. time for re	s survey is L. No. 115- ease visit: not required The time re eviewing ins	conducted ir 435, codified I to respond equired to structions,	n d in 44 to a
		-	ITARY] partners verified and update				00	<u>H H M</u> 04 	M
ļ	olantings operated	s, livestock	any crops, including new or poultry on the total acres DE crops produced by a tenal adlord only.		Yes – [Go to item 1, pa	age 2]	□ No –	[Continue]	I
; ;	oroducts payment	or receive	s operation sell any agricultur government agricultural DE crops produced by a tena ndlord only.	ant if	∕es – [Go to item 1, pa	age 2]	□ No –	[Continue]	I
á	acres op	erated? E>	any crops stored on the total (CLUDE crops produced by a ator is landlord only.		Yes – [Go to item 1, pa	age 2]	□ No –	[Continue]	l
			s operation have any fruit acr d by a management firm?		Yes – [Go to item 1, pa	age 2]	□ No –	[Go to pag	je 4]

SCREENING

1.	Did this operation have any of the target crops durin Yes – [Continue]	g the 2023 cr	op year? [See page 6 for targ	et crops.]
	☐ No – [Write notes explaining the situation then go	o to "Conclus	ion" on back page.]	
2.	Are the day–to–day decisions for this operation (nar	ne on label) n	nade by — [Check one]	
	one individual? [Go to Section A]			
	a hired manager? [Go to Section A]			
	partners? [Continue]			
3.	How many individuals are involved in the day-to-da			
	number of partners, including the partner named on partnership below, then go to Section A. Partners jo			Number
	making. Do not include landlords and tenants as pa	rtners]		
Pai	tners: POID	Partners: PC	DID	
	TNER NAME	PARTNER NAME		
ADE	RESS	ADDRESS		
CIT	/ STATE ZIP PHONE NUMBER	CITY	STATE ZIP	PHONE NUMBER
	tners: POID	POID		_
PAR	TNER NAME	PARTNER NAME		
ADE	RESS	ADDRESS		
CIT	/ STATE 7IP PHONE NUMBER	CITY	STATE 7IP	PHONE NUMBER

CALIFORNIA SCREENING

4. What ID (pesticide permit number) does this operation	on use for reporting	County	N	Number	
pesticide applications on the target crops bearing ac Agricultural Commissioners?					
a. Is this ID used to report pesticide applications for	any other operations?				
$_1$ Yes – [Continue] $_3$ No – [Go to item	5]				
b. What other operation(s) is this ID used to report	for?				
Name:	Name:				
Address:	Address:				
Phone:()	Phone:()				
5. Does the operation use any other ID's to report pest County Agricultural Commissioners?	icide applications on the tarç	jet crops l	bearing a	icres	to the
1 Yes – [Continue] 3 No – [Go to item	6]				
		County	N	Number	
a. What are these other ID numbers?					
b. Do you use any of these ID's to report pesticide a operation?	applications for any other				
₁ Yes – [Continue] ₃ No – [Go to item	6]				
i. What other operations use this ID for reportin	g? [Identify operation and II	D.]			1
Name:	Name:				
Reporting ID:	Reporting ID:				
Address:	Address:				
Phone:()	Phone:()				
6. Do you employ a fruit management company to care	e for any of the targeted fruit	crops?			
₁ Yes – [Continue] ₃ No – [Go to page	e 4]				
What fruit management company do you employ	?				
Name:	Name:				
Address:	Address:				
Phone:()	Phone:()				

CHANGE IN OPERATOR STATUS

[Enumerator Note:	Skip this section if there is no chang	e in operation name or operator.		
			Coc	de
1. Has there been	a change in operation name or oper	ator?	Yes=1 023 No=3	
	olete name and address information be Enumerator Note below.]	pelow for new operator and conti	nue.	
		Operation Name		
		Operator Name		
		Address		
		Phone ()		
[Enumerator Note:	If the operation on the face page was questionnaire for the part of the year operation has been taken over by a please conduct this interview start to Substitution" rules in section 4 of the	r during which the operation did new operator. If the operator ha o finish with the new operator aft	business, unless the s changed midyear	е
2. Has the operati	on printed on this questionnaire beer	n combined or merged with any c	other farming operat	ions?
Yes – [Go t	o "Conclusion"]			
No – [Conti	nue]			

A LAND OPERATED A

Acres Operated

1.	How many acres does this operation—	Acres
		901
	a. own?	·
	b. rent or lease from others or use rent free? EXCLUDE land used on an animal unit	902
	month (AUM) basis	•
	c. rent to others?	905
	C. Terri to others?	•——
		900
2.	Then the total acres operated are: [item 1a + 1b – 1c]	
	111011 410 total also a paratical and parati	
	 Does this include the farmstead, all cropland, woodland, pastureland, wasteland, and government program land? 	
	Yes – [Continue]	
	☐ No – [Make corrections, then continue.]	
Th	ne remaining questions in this survey refer to these [item 2] acres.	
	, , , , , , , , , , , , , , , , , , ,	802
3.	Of the total acres operated, how many acres are considered cropland?	
•	INCLUDE	
	land in hay	
	summer fallow	
	cropland idle	
	cropland used for pasture	
	cropland in government programs	
4.	Of the total acres operated, how many acres are in fruit? INCLUDE bearing and non–bearing acreage in trees, vineyards, and bushes	803

1. What target fruit crops were on these [Section A, item 4] acres during the 2023 crop year?

EXCLUDE

- new plantings
- other plantings which are not yet bearing

	Table 001
Office Lines in	e Use n Table
Line 99	199

	1	2	3	4	5	6	7
L I N E	'	2	How many bearing acres of [crop] did this operation have?	Were any commercial fertilizers applied to this crop?	Were any herbicides, insecticides, fungicides, etc. applied to this crop?	On what date did you complete harvest of your 2022 crop year [crop]?	On what date did you complete harvest of your 2023 crop year [crop]?
	Crop	Crop Code	Acres	Yes = 1 No = 3	Yes = 1 No = 3	MM DD YY	MM DD YY
01			11	12	13	14	15
02			11	12	13	14	15
03			11	12	13	14	15
04			11	12	13	14	15
05			11	12	13	14	15
06			11	12	13	14	15
07			11	12	13	14	15
08			11	12	13	14	15
09			11	12	13	14	15
10			11	12	13	14	15
11			11	12	13	14	15
12			11	12	13	14	15
13			11	12	13	14	15
14			11	12	13	14	15
15			11	12	13	14	15

California - Crop Codes

301 Apples 303 Apricots 305 Avocados	Grapes 424 Raisin type varieties (INCLUDE all uses for	330 Kiwifruit 331 Lemons 333 Nectarines	340 Peaches 520 Pears 550 Plums
312 Cherries, sweet 316 Dates	Thompson Seedless variety) 524 Table type varieties	492 Olives 435 Navel Oranges	343 Prunes 345 Raspberries
320 Grapefruit	624 Wine type varieties	535 Valencia Oranges	748 Strawberries 349 Tangerines /Tangelos

B FRUIT ACREAGE B

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

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.
- Crops planted in the fall of 2022 if they were part of the 2023 crop.

EXCLUDE

- All crops grown in another state.
- Non-commercial orchard and vineyard acreage (home garden).
- Non-target fruits.
- New plantings and other plantings which are not yet bearing.
- All Target Crops grown by institutional, experimental, research and university farms (abnormal farms).
- Abandoned orchards and vineyards.

Enumerator Note—

If column 4 of the table in Section B is Yes for any crops, continue with item 1. If column 4 of the table in Section B is No for all crops, go to Section D.

1. I need to record complete information on all commercial fertilizers applied to the bearing acres of target fruit grown during the 2023 crop year. INCLUDE all applications regardless of how they were applied such as irrigation water, foliar applications, etc. Record amount of an analysis of fertilizers applied or pounds of actual plant nutrients applied. Complete the table below and any necessary supplemental fertilizer tables. EXCLUDE micronutrients, lime, and gypsum.

	Office Use	
200		

Office Use Lines in Table 001 299

8 9 10

	1	2	3	4	5	6	7	8	9	10
L I N E			N I T R O G E N	P H O S P H A T E	P O T A S H	S U L F U R	How much was applied per acre per application? [Leave this column blank if actual nutrients were reported.]	Unit Codes 1 Pounds 12 Gallons 13 Quarts 15 Liquid Oz. 28 Dry Oz. 19 Actual Nutrients	How many acres was this applied to? [Include bearing acres only]	How many times was it applied?
	Crop	Crop Code	N	P ₂ O ₅	K ₂ O	S			Acres	Number
01			31	32	33	34	36	37	40	41
02			31	32	33	34	36	37	40	41
03			31	32	33	34	36	37	40	41
04			31	32	33	34	36	37	40	41
05			31	32	33	34	36	37	40	41
06			31	32	33	34	36	37	40	41
07			31	32	33	34	36	37	40	41
80			31	32	33	34	36	37	40	41
09			31	32	33	34	36	37	40	41
10			31	32	33	34	36	37	40	41
11			31	32	33	34	36	37	40	41
12			31	32	33	34	36	37	40	41
13			31	32	33	34	36	37	40	41
14			31	32	33	34	36	37	40	41
15			31	32	33	34	36	37	40	41
16			31	23	33	34	36	37	40	41
17			31	32	33	34	36	37	40	41

	1	2	3	4	5	6	7	8	9	10
L I N E			N I T R O G E N	P H O S P H A T E	P O T A S H	S U L F U R	How much was applied per acre per application? [Leave this column blank if actual nutrients were reported.]	Unit Codes 1 Pounds 12 Gallons 13 Quarts 15 Liquid Oz. 28 Dry Oz. 19 Actual Nutrients	How many acres was this applied to? [INCLUDE bearing acres only]	How many times was it applied?
	Crop	Crop Code	N	P ₂ O ₅	K ₂ O	S			Acres	Number
18			31	32	33	34	36 •	37	•	41
19			31	32	33	34	36	37	40	41
20			31	32	33	34	36	37	40	41
21			31	32	33	34	36	37	40	41
22			31	32	33	34	36	37	40	41
23			31	32	33	34	36	37	40	41
24			31	32	33	34	36	37	40	41
25			31	32	33	34	36	37	40	41
26			31	32	33	34	36	37	40	41
27			31	32	33	34	36	37	40	41
28			31	32	33	34	36	37	40	41
29			31	32	33	34	36	37	40	41
30			31	32	33	34	36	37	40	41
31			31	32	33	34	36	37	40	41
32			31	32	33	34	36	37	40	41
33			31	23	33	34	36	37	40	41
34			31	32	33	34	36	37	40	41
35			31	32	33	34	36	37	40	41
36			31	32	33	34	36	37	40	41
37			31	32	33	34	36	37	40	41
38			31	32	33	34	36	37	40	41
39			31	32	33	34	36	37	40	41
40			31	32	33	34	36	37	40	41

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

[Eı	numerator Action: Were pesticide application	ons reported in	Section B, column 5 on page 6	?]			
	Yes – [Continue] No – [Go to item 4]						
					Code		
1.	Was weather data used to assist in determ pesticide applications?			Yes=1 No=3	600		
2.	Were any biological pesticides such as Bt regulators, such as Courier, Intrepid, etc., I products sprayed or applied to manage pe	Neem or other	natural/biological based	Yes=1 No=3	601		
3.	Were pesticides with different mechanisms primary purpose of keeping pests from bed			Yes=1 No=3	602		
1	In 2023, how were your fruit acres	ely going to the fruit acres specifically activities. [Enter code 1 and go to					
4.	primarily scouted for insects, weeds, diseases, and/or beneficial organisms?	2 By conducting performing round item 7.]		Code 608			
		3 The fruit acre and go to ite	es were not scouted. [Enter code 3 m 10.]				
	·			I	Code		
5.	Was an established scouting process used counts, insect traps, etc., on any fruit acres			Yes=1 No=3	609		
6.	Was scouting for pests done on these fruit			Code			
	a. a pest advisory warning?			Yes=1 No=3	610		
	b. a pest development model?			Yes=1 No=3	611		
			[If column 1 is Yes, ask—]				
7.	Were your fruit acres scouted for —	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					
	a. weeds?	612	614				
	b. insects or mites?	615	617				
	c. disease?	618	620				

			Code
8.	Were written or electronic records kept to track the activity or numbers of weeds, insects or diseases?	Yes=1 No=3	623
9.	Was scouting data compared to published information on infestation thresholds to determine when to take measures to manage pests?	Yes=1 No=3	624
10	. Was field mapping data used for making pest management decisions?	Yes=1 No=3	625
11.	Were the services of a diagnostic laboratory used for pest identification or soil or plant tissue pest analysis?	Yes=1 No=3	626
12	. Were crop residues, including drops, rotting fruit and/or debris, removed to manage pests?	Yes=1 No=3	627
13	. Were ground covers, mulches, or other physical barriers maintained to manage pest problems?	Yes=1 No=3	629
14	. Were any beneficial organisms such as insects, nematodes, or fungi applied or released to manage pests?	Yes=1 No=3	636
15	. Were floral lures, attractant repellants, pheromone traps or other biological pest controls used on any fruit acres?	Yes=1 No=3	637
16	. Were any fruit acres cultivated for weed control during the growing season?	Yes=1 No=3	640
17	. Were field edges, lanes, ditches, roadways or fence lines chopped, mowed, plowed, or burned to manage pests on any fruit acres?	Yes=1 No=3	642
18	. Were equipment and implements cleaned after completing field work to reduce the spread of pests?	Yes=1 No=3	643
19	. Were any fruit acres irrigated for the 2023 crop?	Yes=1 No=3	644
[lf	item 19 = 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 No=3	645

	COMPLETION CODE for PEST MANAGEMENT PRACTICES						
1 Incomp/R	500						

CONCLUSION

Enumerator Note: Thank the respondent, then review this	questionnaire	e.]				
		Offic	ce Use	Only		
	Ending Time	(Military)	OR	То	tal Ho	urs
	Hours	Minutes		Hours		Minutes
1. Ending time			8000			
3						
Record Use						Code
				Yes=1	064	
Did respondent use operation records to report pesticide d	ata?			No=3		
Contact Information						
		0	tan Dhan			
Operator Email:	0047		tor Phon	ie:		ala a ala if
9929	9917 Check to recei					check if cell phone
	results by ema					
		()			
Operation Email: (if different from above)		Opera	tion Pho	ne: (if diffe	rent from	n above)
9937	9920 Check to recei	9936				check if cell phone
	results by ema					
		()			
Respondent Name: Respo	ndent Phone (if d	lifferent from	above)			
9912 9911			check if		MM	DD YY
	`		cell phor			
	j .		1 1	Date:		

This completes the survey. The results will be available on the release date at nass.usda.gov/results Thank you for your help.

OFFICE USE										
R. Unit	Ptr 1 S	tr	Ptr 2 Str	Ptr 3 Str	Ptr 4 Str	OPS	SSO 1	ADJ	Optional Use	
9921	9922	99	923	9927	9928	923	9907	922	9906 9916	
Response			Respon	Respondent		Mode		POID		
1-Comp 2-R 3-Inac	-R 2-		1-Op/Mgr 2-Spouse 3-Acct/Bkpr		2-PATI (tel) 9903 9998 9989 3-PAPI (Face-to- Face) 9903 9998 9989		9989			
4-Office Hold			4-Partner 9-Other					Eval. 9900	9985	Change