

Assessment of Acute Aquatic Toxicity of Current-Use Pesticides in California
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Appendix D
Detailed Assessment Results

Appendix D. High Use Period Assessment

Chemical	County	High Use Period	Est. use High period (1)	Primary Crops	Monitoring Data	DPR Status
Carbaryl (high monitoring priority)	Stanislaus	Jun	10000	rice, corn, apples	few samples	
	San Joaquin	Jun	8000	rice, corn, apples	few samples	
	Sutter	Jul-Aug	5000	peach, melons	few samples	
	Merced	May-Aug	5000	misc	few samples	
	Imperial	Sep/Oct	4000	sugarbeets	few samples	in progress
	Monterey	Apr-May	3500	strawberries, grapes	few samples	in progress
	Ventura	Jul-Sep	2700	peppers	no data	in progress
Diazinon (high monitoring priority)	Monterey	Mar-Sep	135000	lettuce, spinach	detections	in progress
	Imperial	Sep-Oct	35000	lettuce, sugarbeets, brocc.	detections	in progress
	San Benito	Mar-Sep	15000	lettuce, spinach, tom.s	no data	in progress
	Los Angeles	Mar-May	9000	dry onion	detections	
	Sutter	Apr-Jun	6500	tomatoes, prunes	detections	
	San Joaquin	Mar-May	6000	tomatoes	detections	
Malathion (high monitoring priority)	Monterey	Apr-Oct	70000	strawberries/lettuce	detections	in progress
	Imperial	Jan-Mar	55000	alfalfa	detections	in progress
	SB	Mar-Oct	42000	strawberries/lettuce, celery	no data	in progress
	Riverside	Feb-Mar	16000	Alfalfa/dates	few samples	
	SLO	Mar-Oct	16000	lettuce, broccoli	no data	in progress
	Ventura	May-Sep	14000	misc	no data	in progress
	San Joaquin	Jul-Aug	13000	walnuts, tomatoes, alfalfa	few samples	
	Merced	Mar-Oct	10000	alfalfa	few samples	
	Riverside	Aug-Sep	8000	Alfalfa/dates	few samples	
	Santa Cruz	May-Jun etc.	8000	strawberries	no data	in progress
Trifluralin (high monitoring priority)	Imperial	Feb/Mar	180000	alfalfa	no data	
	Merced	Feb, Apr/May	80000	alfalfa, cotton	detections	
	Yolo	Jan-May	45000	alfalfa, tomatoes	detections	
	Riverside	Mar-May	35000	alfalfa	few samples	
	San Joaquin	Feb	20000	alfalfa, tomatoes	detections	
	Stanislaus	Apr-May	16000	alfalfa, almonds	detections	
Thiram (high monitoring priority)	Ventura	May/Dec	8500/5000	strawberries	no data	in progress
	Monterey	Apr-Sep	16000	strawberries	no data	in progress
	Santa Cruz	Mar-Aug	3500	strawberries	no data	in progress
	Santa Barbara	Feb-Mar	2500	strawberries	no data	in progress

Appendix D. High Use Period Assessment	High Use	Est. use	Monitoring	DPR		
Chemical	County	Period	High period (1)	Primary Crops	Data	Status
Acephate (medium monitoring priority)	Monterey	Mar-Sep	70000	lettuce	no data	under dev.
	Santa Barbara	Mar-Sep	9000	lettuce	no data	under dev.
	Imperial	jun-aug	6000	cotton	no data	under dev.
	Imperial	Nov-Jan	5000	cotton	no data	under dev.
	Ventura	Mar, Oct	3500	celery	no data	under dev.
Chlorothalonil (medium monitoring priority)	San Joaquin	Aug-Sep	30000	tomatoes	no data	
	San Diego	Jul-Nov	28000	tomatoes	no data	
	Merced	Aug-Sep	25000	tomatoes	no data	
	Imperial	Feb-Apr	25000	onion	no data	
	Ventura	Jan-Apr	23000	celery, tomatoes	no data	
	Ventura	Oct-Dec	22000	celery, tomatoes	no data	
	Stanislaus	Mar, Aug-Sep	20000	tom.s, almonds, apricots	no data	
	Yolo	Jul-Sep	12000	tomatoes	no data	
	Santa Barbara	May-Dec	12000	celery, cut greens	no data	
	Modoc	Jun-Aug	10000	potatoes	no data	
Dimethoate (medium monitoring priority)	Monterey	Mar-Oct	40000	brocc., lett., cauliflower, cel.	detections	
	Imperial	Nov-Mar	40000	alfalfa	detections	
	San Joaquin	Jul-Aug	20000	tomatoes, beans	detections	
	Stanislaus	Jul-Aug	20000	beans, corn, tomatoes	detections	
	Merced	Jun-Aug	10000	corn, beans, alfalfa	detections	
	Riverside	Feb-Apr	10000	alfalfa	few samples	
	Riverside	Oct	4000	alfalfa	few samples	
Endosulfan (medium monitoring priority)	Imperial	Jun-Jul	5000	alfalfa	no data	
	Riverside	Jul-Sep	5000	cotton	no data	
	Yolo	Jul-Aug	1400	tomatoes	no data	
	Solano	Jul-Sep	1100	tomatoes	no data	
	Sutter	Aug	1000	tomatoes	no data	
Methamidaphos (medium monitoring priority)	Yolo	Jul-Aug	3500	tomatoes	no data	
	Modoc	Jul-Aug	3000	potatoes	no data	
	Siskiyou	Jul-Aug	1500	potatoes	no data	
	Sutter	Jul-Aug	1500	tomatoes	no data	
	Imperial	Jun-Jul	1000	alfalfa	no data	

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Chemical	County	Period	High period (1)	Primary Crops	Data	Status
Methomyl (medium monitoring priority)	Monterey	May-Oct	50000	lettuce, strawberry, celery	detections	in progress
	Merced	Jul-Sep	25000	alfalfa	no data	
	Imperial	Oct-Nov	18000	lettuce, sugarbeets, alfalfa	no data	in progress
	San Joaquin	Jul-Aug	8500	corn, tomatoes, alfalfa	no data	
	Stanislaus	Jul-Sep	5000	beans, tomatoes	no data	
	Riverside	Apr-May, Sep-Oct	4500	corn, tom.s, lett., potatoes	no data	
	Ventura	Jul-Sep	4000	strawberries, peppers, tom.s	no data	in progress
Methyl parathion (medium monitoring priority)	San Joaquin	Jul	10000	walnuts	detections	
	Stanislaus	Jun-Jul	10000	walnuts	detections	
	Butte	Jun-Jul	3500	walnuts	few samples	
	Contra Costa	Jun-Jul	3000	walnuts	no data	
	Sutter	Jul-Aug	2500	walnuts	few samples	
Phosmet (medium monitoring priority)	San Joaquin	Apr-Aug	19000	apple	no data	
	Stanislaus	May-Jul	11000	peach, walnut, apple	no data	
	Sacramento	May-Jul	11000	pear	few samples	
	Butte	Jun-Sep	7000	almond, walnut	few samples	
Naled (medium monitoring priority)	Monterey	May-Oct	21000	strawberries, broccoli	no data	
	Santa Barbara	May-Aug	5000	strawberries, broccoli	no data	
	San Joaquin	Jul-Aug	7000	walnuts	no data	
Phorate (medium monitoring priority)	Riverside	Mar	6000	cotton, potato	few samples	
	San Joaquin	Apr-May	6000	corn	few samples	
	Sacramento	Apr-May	4000	corn	no detections	
	Imperial	Mar	2000	potatoes	few samples	
	Del Norte	Aug-Oct	3200	transplants	few samples	
	Merced	Apr-May	3000	sugarbeet	few samples	
Azinphos-methyl(2) (low monitoring priority)	San Joaquin	May-Jul	5000	apple	few samples	
	Butte	Jul	5000	almonds, walnuts	few samples	
	Yuba	May-Jun	5000	pears	no data	
	Sacramento	Apr-Jun	3000	pears	no detections	
Carbofuran (2) (low monitoring priority)	San Joaquin	Mar	10000	alfalfa	no data	
	Monterey	Apr, Oct-Nov	11000	grapes	no data	
	Imperial	Feb-Mar	4000	alfalfa	no data	

(1) Average use, pounds active ingredient

(2)Low monitoring priority due to impending cancellation or phase-out by US EPA.