

III. Appendices

E. Water Appendix

8. Use and Usage Information by Region

The tables below summarize the most recent use and usage information for each OP-crop combination assessed in each of the regions. This information was the basis for the application-specific inputs used in the PRZM-EXAMS modeling. The crop acreage served as inputs in deriving the region-specific cumulative adjustment factors. Sources of information are provided below each table.

EASTERN UPLANDS

Crop	Crop Acres	Pesticide	%Treated	No. Appl.	Rate (lbs/a)	Appl. Method	Stage	Date(s)	Range	Most Active
Alfalfa	6,800 All Hay	Chlorpyrifos	10	1(1.2)	0.55		Foliar	15-Jul	May1-Sep1	
		Ethyl parathion	6	1(1.3)	0.36		Use Deletion			
		Methyl parathion	3	1(1.1)	0.19		Foliar	15-Jul	May1-Sep1	
Corn	4,400 Planted all purposes	Terbufos	38	1	1.14	Ground	Planting	April 17	Apr1-May20	Apr10-Apr25
		Chlorpyrifos	8	1	1.17	Ground	Planting	April 17	Apr1-May20	Apr10-Apr25
Apple	7,000 Total (Bearing & NonB)	Azinphos-methyl	54	3(2.9)	0.59	Ground	Foliar	May 1 June10 Jul20	May1-Aug31	
		Chlorpyrifos	40	4(3.8)	0.91	Ground	Green Tip-Foliar	Apr1 May8 Jun15 Jul23	Apr1-Aug31	
		Dimethoate	21	1(1.1)	0.74	Ground	Foliar	June 1	May1-Jul30	
		Methyl parathion	16	3(2.8)	0.99		Use Deletion			
		Phosmet	43	2(1.4)	1.5	Ground	Foliar	May 1 July 7	May1-Sep21	
Region: Eastern Uplands			State(s): North Carolina							
Total Cropland Area: 27,527 acres										

Alfalfa

Total Acres: North Carolina Department of Agriculture & Consumer Services, Agricultural Statistics Division, County Estimates, All Hay 2000

Pesticide Use: NASS 1998 Field Crops Summary. South Region: Includes AL, AR, FL, KY, LA, MS, NC, OK, SC, TN, TX, VA, WV

Apple

Total Acres: North Carolina Cooperative Extension, Henderson County Center, 2000 Henderson County Agricultural Statistics 2000 (Estimates): Apple Acreage (Bearing and non-bearing trees)

Pesticide Use: NASS 1999 Fruit and Nut Summary

Corn

Total Acres: North Carolina Department of Agriculture & Consumer Services, Agricultural Statistics Division, County Estimates, Corn, Planted for All Purposes, 2000

Pesticide Use: Terbufos: NASS 2000 Field Crops Summary; Chlorpyrifos: NASS 1998 Field Crops Summary

HEARTLAND

Crop	Crop Acres	Pesticide	%Treated	Number of Applications	Rate (lbs ai/a)	Application Method	Stage	Date(s)	Range	Most Active
Corn	1,509,000 Planted for all purposes	Chlorpyrifos	13	1	1.2	Ground	Planting	May 9	Ap 22-May 28	Apr 30-May18
		Terbufos	4	1	1.24	Ground	Planting	May 9	Ap 22-May 28	Apr 30-May18
		Chlorethoxyfos	4	1	0.08	Ground	Planting	May 9	Ap 22-May 28	Apr 30-May18
		Tebupirimphos	3	1	0.1	Ground	Planting	May 9	Ap 22-May 28	Apr 30-May18
Region: Heartland		State: Illinois								
Total Cropland Area: 3,045,608 acres										

Corn

Total Acres: Illinois Agricultural Statistics Service, 2000 Illinois County Statistics, Corn

Pesticide Use: Chlorpyrifos, Terbufos: NASS 2000 Field Crops Summary; Chlorethoxyfos, Tebupirimphos: NASS 1999 Field Crops Summary

MISSISSIPPI PORTAL

Crop	Crop Acres	Pesticide	%Treated	Number of Applications	Rate (lbs ai/a)	Application Method	Stage	Date(s)	Range	Most Active
Corn	240,800	Chlorpyrifos	4	1	0.76	Ground	Planting	March 27	Mar10-Apr28	Mar19-Apr4
		Dimethoate	5	1	0.43	Aerial	Foliar	June 23	May 15-Jul 31	
		Tebupirimiphos	8	1	0.08	Ground	Planting	March 27	Mar10-Apr28	Mar19-Apr4
		Terbufos	12	1	0.82	Ground	Planting	March 27	Mar10-Apr28	Mar19-Apr4
Cotton	533,000	Acephate	41	2(1.7)	0.35	Ground	Planting-Foliar	May 6	Apr17-Aug31	
						Air	Planting-Foliar	June 24	Apr17-Aug31	
		Dicrotophos	20	2(1.7)	0.27	Ground	Foliar	May 1	May1-Aug31	
						Air	Foliar	July 1		
		Dimethoate	3	2(1.6)	0.26	Ground	Foliar	June 15	Jun15-Jul31	
						Air	Foliar	July 8		
		Malathion	77	9(8.6)	0.87	Ground	Foliar	May 1	May1-Oct20	
						Ground	Foliar	May 20		
						Ground	Foliar	June 8		
						Air	Foliar	June 27		
Air	Foliar					July 16				
Air	Foliar					August 4				
Air	Foliar					August 23				
Air	Foliar	Sept 11								
Air	Foliar	Sept 30								
Methamidophos	4	1	0.38	Air	Foliar	July 1	May1-Aug31			
Methyl Parathion	4	4(4.3)	0.39	Ground	Foliar	June 15	Jun15-Aug31			
				Air	Foliar	July 4				
				Air	Foliar	July 23				
				Air	Foliar	August 11				
Phorate	3	1	0.61	Ground	Planting	May 6	Apr17-Jun15	Apr26-May16		
Profenofos	2	2(1.5)	0.86	Ground	Foliar	June 15	Jun15-Aug31			
Tribufos	49	1(1.1)	0.68	Air	Harvest	Oct 9	Sept15-Nov13	Sep28-Oct20		
Disulfoton	2	1	0.74	Ground	Foliar	May 23	May1-June15			

Soybean	370,000	Methyl Parathion	32	1	0.46	Air	Foliar	Aug 31	Aug1-Sept30	
Region: Mississippi Portal			State: Louisiana							
Total Cropland Area: 1,565,878										

Corn

Total Acres: Louisiana Agricultural Statistics Service, 2000 Louisiana Corn Parish Estimates

Pesticide Use: NASS 2000 Field Crops Summary: Data from Texas was used as a surrogate for Louisiana; there was no NASS survey of corn in Louisiana

Cotton

Total Acres: Louisiana Agricultural Statistics Service, 2000 Louisiana Cotton Parish Estimates

Pesticide Use: NASS 2000 Field Crops Summary for all chemicals except disulfoton; disulfoton: NASS 1999 Field Crops Summary

Soybean

Total Acres: Louisiana Agricultural Statistics Service, 2000 Louisiana Soybean Parish Estimates

Pesticide Use: NASS 1999 Field Crops Summary

NORTHERN CRESCENT

Crop	Crop Acres	Pesticide	%Treated	No. Appl.	Rate (lbsai/a)	Appl. Method	Stage	Date(s)	Range	Most Active	
Alfalfa	117,900	Chlorpyrifos	2	1(1.2)	0.66	Ground	Foliar	June 1	May1-Jul1		
Apple	22,456	Azinphos-methyl	89	7(6.5)	0.13	Ground	Foliar	May 1 May 18 June 4 June 21 July 8 July 25 August 11	May1-Aug31 May1-Aug31 May1-Aug31 May1-Aug31 May1-Aug31 May1-Aug31 May1-Aug31		
		Diazinon	34	2(1.4)	0.22	Ground	Delayed Dormant-Petal Fall	March 15 April14	Mar15-May15 Mar15-May15		
		Dimethoate	2	2(2.1)	0.16	Ground	Foliar	May 1 June 1	May1-Jul31 May1-Jul31		
		Methidathion	3	2(1.7)	0.41	Ground	Green Tip-Petal Fall	April 1 23-Apr	Apr1-May15 Apr1-May15		
		Methyl parathion	57	4(3.8)	0.12		<i>Use Deletion</i>				
		Phosmet	24	3(2.9)	0.4	Ground	Foliar	May 1 June 18 August 5	May1-Sep21 May1-Sept21 May1-Sept21		
		<i>Cantaloupe</i>	443	<i>No usage data reported</i>							
Corn	459,000	Chlorpyrifos	7	1	1.1	Ground	Planting	May 17	Apr30-Jun15	May10-May 25	
		Tebupirimphos	7	1	0.11	Ground	Planting	May 17	Apr30-Jun15	May10-May 25	
		Terbufos	2	1	1.07	Ground	Planting	May 17	Apr30-Jun15	May10-May 25	
Peach	4,082	Azinphos-methyl	80	5(4.7)	0.55	Ground	April 15 May 9 June 2 June 26 July 25	Apr15-Aug15 Apr15-Aug15 Apr15-Aug15 Apr15-Aug15 Apr15-Aug15			

		Chlorpyrifos	11	1(1.1)	0.95	Ground	After Harvest	Sept. 30	Sep1-Oct-30	
		<i>Methyl parathion</i>	39	3(2.8)	0.14		<i>Use Deletion</i>			
		Phosmet	37	3(2.9)	0.43	Ground		April 15 May 26 July 6	Apr15-Aug15 Apr15-Aug15 Apr15-Aug15	
Pear	626	Azinphos-methyl	86	3(2.4)	0.32	Ground	Foliar	April 15 May 26 July 6	Apr15-Aug15 Apr15-Aug15 Apr15-Aug15	
		Chlorpyrifos	61	1	0.23	Ground	Dormant-Delayed Dormant	March 1	Mar1-Apr1	
		Phosmet	69	5(4.6)	0.46	Ground	Foliar	April 15 May 9 June 2 June 26 July 20	Apr15-Aug15 Apr15-Aug15 Apr15-Aug15 Apr15-Aug15 Apr15-Aug15	
		<i>Methyl parathion</i>	60	3(3.3)	0.4		<i>Use Deletion</i>			
Pumpkin	1060	Azinphos-methyl	3	2(1.6)	0.53	Ground	Foliar	July 1 August 16	Jul1-Oct1 Jul1-Oct1	
Region: Northern Crescent		State(s): Pennsylvania								
Total Cropland Area: 1,065,162 acres										

Alfalfa

Total Acres: Pennsylvania Agricultural Statistics Service, Dry Alfalfa Hay-Acreage, Yield, Production & Value, 2000

Pesticide Usage: NASS 1998 Field Crops Summary. Northeast Region: Includes CT, DE, MA, ME, MD, NH, NJ, NY, PA, RI, VT

Apple

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Fruits and Nuts

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Cantaloupe

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Vegetables, Sweet Corn, and Melons Harvested for Sale

Pesticide Usage: No data available

Corn

Total Acres: Pennsylvania Agricultural Statistics Service, Corn for Grain-Acreage, Yield, Production & Value, 2000

Pesticide Usage: Chlorpyrifos: NASS 2000 Field Crops Summary; Tebupirimphos, Terbufos: NASS 1998 Field Crops Summary

Peach

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Fruits and Nuts

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Pear

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Fruits and Nuts

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Pumpkin

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Vegetables, Sweet Corn, and Melons Harvested for Sale

Pesticide Usage: NASS 2000 Vegetable Summary

NORTHERN GREAT PLAINS; MINNESOTA

Crop	Crop Acres	Pesticide	%Treated	No. Appl.	Rate (lbsai/a)	Appl. Method	Stage	Date(s)	Range	Most Active
Corn	105,500	No OP use reported								
Potato	13,900	Azinphos-methyl	11	1	0.39	Aerial	Foliar	July 31	Jul1-Aug30	
		Dimethoate	23	2(1.5)	0.27	Aerial	Foliar	July 31	Jul1-Aug30	
Sugarbeet	202,300	Chlorpyrifos	9	1(1.2)	0.98	Ground	Planting	May 10	Apr22-May30	Apr30-May20
		Terbufos	51	1	1.75	Ground	Planting	May 10	Apr22-May30	Apr30-May20
Wheat	661,200	Chlorpyrifos	4(3.6)	1	0.5	Aerial	Foliar	July 3	Jun15-Jul21	
Region: Northern Great Plains			State(s): Minnesota							
Total Cropland Area: 1,901,194 acres										

Corn

Total Acres: Minnesota Agricultural Statistics Service, Corn:Acreage Planted for All Purposes, Harvested for Grain, Yield, and Production, by County and District, Minnesota, 1999-2000, Planted Acreage 2000

Pesticide Usage: No Ops published for this state in NASS surveys

Potato

Total Acres: Minnesota Agricultural Statistics Service, Potatoes:Acreage, Yield, and Production, by County and District, Minnesota, 1999-2000, Planted Acreage 2000

Pesticide Usage: NASS 1999 Field Crops Summary

Sugarbeet

Total Acres: Minnesota Agricultural Statistics Service, Sugarbeet:Acreage, Yield, and Production, by County and District, Minnesota, 1999-2000, Planted Acreage 2000

Pesticide Usage: NASS 2000 Field Crops Summary

Wheat

Total Acres: Minnesota Agricultural Statistics Service, All Wheat:Acreage, Yield, and Production, by County and District, Minnesota, 1999-2000, Planted Acreage 2000

Pesticide Usage: Zollinger, R.K., G.K.Dahl, M.P. McMullen, P.A. Glogoza, A.G. Dexter, S.A. Fitterer, G.E. Waldhaus, & K. Ignaszewski. 1998. Pesticide use and pest management practices for major crops in North Dakota 1996. Extension Service Report No 43. North Dakota data serves as surrogate for Minnesota; no OP use reported by NASS for wheat in Minnesota.

NORTHERN GREAT PLAINS: NORTH DAKOTA

Crop	Crop Acres	Pesticide	%Treated	No. Appl.	Rate (lbsai/a)	Appl. Method	Stage	Date(s)	Range	Most Active
Corn	71,800	No OP use reported								
Potato	87,100	Azinphos-methyl	19	1	0.48	Aerial	Foliar	July31	Jul1-Aug30	
		Dimethoate	24	2(2.2)	0.27	Aerial	Foliar	July 31	Jul1-Aug30	
Sugarbeet	143,200	Chlorpyrifos	13	1(1.3)	1.25	Ground	Planting	May 10	Ap22-May30	Ap30-May20
		Phorate	4	1	1.03	Ground	Planting	May 10	Ap22-May30	Ap22-May3-
		Terbufos	69	1	1.97	Ground	Planting	May10	Ap22-May30	Ap30-May20
Wheat	840,900	Chlorpyrifos	4(3.6)	1	0.5	Aerial	Foliar	July 3	Jun15-Jul21	
Region: Northern Great Plains				State(s): North Dakota						
Total Cropland Area: 1,947,983 acres										

Corn

Total Acres: North Dakota Agricultural Statistics Service, Corn County Estimates, North Dakota 2000, Acres Planted

Pesticide Usage: No OPs published for this state in NASS surveys

Potato

Total Acres: North Dakota Agricultural Statistics Service, Potato County Estimates, North Dakota 2000, Acres Planted

Pesticide Usage: NASS 1999 Field Crops Summary

Sugarbeet

Total Acres: North Dakota Agricultural Statistics Service, Sugarbeets: Acreage and Production, North Dakota 1999, Acres Planted

Pesticide Usage: NASS 2000 Field Crops Summary

Wheat

Total Acres: North Dakota Agricultural Statistics Service, All Wheat County Estimates, North Dakota, 2000, Acres Planted

Pesticide Usage: Zollinger, R.K., G.K.Dahl, M.P. McMullen, P.A. Glogoza, A.G. Dexter, S.A. Fitterer, G.E. Waldhaus, & K. Ignaszewski. 1998. Pesticide use and pest management practices for major crops in North Dakota 1996. Extension Service Report No 43. No OP use published by NASS for wheat in North Dakota.

NORTHWEST FRUITFUL RIM

Crop	Crop Acres	Pesticide	%Treated	No. Appl.	Rate (lbsai/a)	Appl. Method	Stage	Date(s)	Range	Most Active		
Apples	1,880 Harvested	Azinphos-methyl	86	3 (2.7)	0.89	Ground	Foliar	May 1	May1-Sep1			
						Ground	Foliar	June 11	May1-Sep1			
						Ground	Foliar	July 22	May1-Sep1			
				Chlorpyrifos	81	1 (1.1)	1.84	Ground	Dormant-Delayed D	February 1	Feb1-Apr1	
				Diazinon	4	2 (1.4)	0.65	Ground	Dormant-Foliar	February 1	Feb1-Sep1	
								Ground	Dormant-Foliar	May 15	Feb1-Sep1	
				Dimethoate	29	1	0.77	Ground	Foliar	May 1	May1-Jul1	
				Malathion	6	2 (1.9)	0.94	Ground	Foliar	May 1	May1-Jul1	
								Ground	Foliar	June 1	May1-Jul1	
				Methyl parathion	45	2	1.39	Use cancelled.				
		Phosmet	16	2 (1.5)	2.24	Ground	Foliar	May 1	May1-Sep1			
						Ground	Foliar	July 1	May1-Sep1			
Beans, Snap	22,081a Harvested	Diazinon	21	1	0.55	Ground	Foliar	June 15	Jun 15-Aug31			
		Ethoprop	53	1	2.42	Ground	At Planting	April 30	Apr30-Jun30			
Blackberries	5,935	Azinphos-Me	11	1(1.1)	0.41	Ground	Foliar	April 1	Ap 1-June 30			
		Diazinon	16	1	1.16	Ground	Foliar	March 15	March 15-March 30			
Blueberries	2,395	Diazinon	28	1	0.8	Ground	Foliar	March 1	Mar 1-Jun 30			
		Malathion	9	2(1.5)	1.62	Ground	Foliar	April 1 June 2	Ap 1-Jul 31 Ap 1-Jul 31			
Broccoli	2,560b Harvested	Bensulide	15	1(1.1)	3.64	Ground	At Planting	May 1	May 1-Jul31			
		Chlorpyrifos	31	1(1.2)	1.28	Ground	At Planting	May 1	May 1-Jul31			
		Diazinon	21	1(1.3)	0.81	Foliar	Foliar	July 1	Jul1-Sep15			
		Disulfoton	6	1	1.02	Foliar	Foliar	July 1	Jul1-Sep15			
		Naled	6	1	1.4	Foliar	Foliar	July 1	Jul1-Sep15			
Cabbage	885c Harvested	Bensulide	10	1	3.82	Ground	At Planting	March 15	Mar15-Jul31			
		Chlorpyrifos	45	1(1.1)	0.67	Ground	At Planting	March 15	Mar15-Jul31			
		Dimethoate	40	2(1.8)	0.48	Ground	Foliar	July 15	Jul15-Aug30			
						Ground	Foliar	August 7	Jul15-Aug30			

		Oxydemeton-methyl	48	2(1.4)	0.57	Ground	Foliar	July 15	Jul15-Aug30		
Cauliflower	1,910d Harvested	Acephate	4	1	0.84	Ground	Foliar	August 15	Aug15-Oct15		
		Diazinon	6	2(1.4)	0.54	Ground	Foliar	August 15	Aug15-Oct15		
						Ground	Foliar	Sept 15	Aug15-Oct15		
		Dimethoate	32	1(1.2)	0.47	Ground	Foliar	August 15	Aug15-Oct15		
		Naled	14	1	1.41	Ground	Foliar	August 15	Aug15-Oct15		
Cherries, sweet	3,195 Harvested	Azinphos-methyl	25	1 (1.2)		Ground	Foliar	May 15	May15-Jun30		
		Chlorpyrifos	65	1	0.87	Ground	Dormant-Delayed D	February 1	Feb1-Mar30		
		Diazinon	10	1	2.2	Ground	Dormant-Foliar	February 1	Feb1-Jul15		
		Dimethoate	24	1	0.97	Ground	Foliar	April 15	Apr15-Jun15		
		Malathion	66	4 (4.1)	0.81	1.16	Aerial	Foliar	May 15	May15-Jul15	
							Aerial	Foliar	May 30	May15-Jul15	
							Aerial	Foliar	June 15	May15-Jul15	
							Aerial	Foliar	June 30	May15-Jul15	
		Phosmet	10	1	0.81	Not labelled for sweet cherries.					
		Cherries, tart		Dimethoate	79	1	0.91	Ground	Foliar	April 15	Apr15-Jun15
Diazinon	48			1 (1.3)	0.91	Ground	Foliar	February 1	Feb1-Jul15		
Phosmet	7			2 (1.5)	1.6	Ground	Foliar	May 15	May15-Jun30		
						Ground	Foliar	June 7	May15-Jun30		
Christmas trees	38,018	Chlorpyrifos	6	1	1	Ground	Foliar	May 1	May 1-Jun 15		
		Dimethoate	7	1	0.5	Ground	Foliar	May 1	May 1-Jun 15		
		Oxydemeton-Me	3	1	0.38	Ground	Foliar	April 15	April 15-Jun 15		
Corn, sweet	35,070e Planted	Chlorpyrifos	28	1	1.33	Ground	At Planting	April 15	Apr15-Jul10		
Cucumbers	2,815f Harvested	Bensulide	23	1	3.24	Ground	At Planting	May 10	May10-Jun30 Apr15-Jul30		
Hazelnut	29,080 Bearing Trees	Chlorpyrifos	20	1(1.2)	1.24	Ground	Foliar	April 15			
Hops	5,810	Chlorpyrifos use not registered									
		Diazinon	50	3	1	Ground	Foliar	June 1	Jun1-Aug 31		
						Ground	Foliar	July 2	Jun1-Aug 31		
Ground	Foliar	August 2	Jun1-Aug 31								

Mint	12,100g Harvested	Acephate	39	1	0.97	Ground	Foliar	July 15	Jun15-Jul15
		Chlorpyrifos	32	1	1.89	Ground	Foliar	August 20	Aug20-Sep30
Nursery Trees, and Shrubs, Field Grown	21,000	Acephate	25	1	1	Ground	Foliar	April 1	Apr 1-Sept 1
		Chlorpyrifos	25	1	1	Ground	Foliar	April 1	Apr 1-Sept 1
		Diazinon	15	1	0.69	Ground	Foliar	April 1	Apr 1-Sept 1
Onions, Dry	1,580h Harvested	Chlorpyrifos	89	1	1.02	Ground	At Planting	March 20	Mar20-Apr15
		Diazinon	9	1	0.8	Ground	Foliar	July 1	Jul1-Aug31
		Malathion	8	2 (1.5)	1.86	Ground	Foliar	July 1	Jul1-Aug31
		Methyl parathion	35	2	0.5	Ground	Foliar	August 1	Jul1-Aug31
						Ground	Foliar	August 1	Jul1-Aug31
Orchardgrasses	16,400	Chlorpyrifos	88		1	Ground	Foliar	April 1	April 1-June 1
Pears	428i Harvested	Azinphos- methyl	54	2 (1.6)	0.97	Ground	Foliar	April 15	Apr15-Aug15
						Ground	Foliar	June 15	Apr15-Aug15
		Chlorpyrifos	59	1	2.02	Ground	Dormant- delayed D	February 1	Feb1-Apr1
		Methidathion	2	1	1.31	Ground	Dormant- delayed D	February 1	Feb1-Apr1
		Phosmet	66	2 (1.7)	2.86	Ground	Foliar	April 15	Apr15-Aug15
						Ground	Foliar	June 15	Apr15-Aug15
Diazinon	9	1	1.04	Ground	Foliar	May 15	May15-Aug15		
Peas, green	3,635j Harvested	Dimethoate	67	1(1.1)	0.18	Ground	Foliar	May 1	May1-Jun1
		Diazinon	3	1	0.5	Ground	Foliar	May 1	May1-Jun1
Raspberries	3,345	Diazinon	38	1	1.06	Ground	Foliar	March 1	Mar15-30
		Malathion	52	1	2.06	Ground	Foliar	May 1	May1-Jul30
Squash	2,795k	Malathion	9	2 (1.5)	1.43	Ground	Foliar	July 1	Jul1-Aug1
						Ground	Foliar	July 16	Jul1-Aug1

* Use and usage data is for California; NASS data not reported for Oregon.

a Includes fresh (156), processed (19,105), and non-disclosed processed (2,280) for 2000.

b Includes fresh (70) for 2000 and non-disclosed processed (2,490) for 1998.

c Includes Clackamas, Marion, Polk and non-disclosed counties for 2000.

d Includes fresh (25) acreage for 2000 and non-disclosed Willamette Valley for 1998

e Includes fresh (3,740), processed (15,790), and non-disclosed processed (15,540) for 2000.

f Includes fresh (215) for 2000 and non-disclosed processed (2,600) for 1998.
g Peppermint for oil in 2000.
h Dry storage onions for 2000.
i Includes Bartlett (250), Asian (138), and winter (40) pears for 2000.
j Includes non-disclosed (3,635) for Willamette Valley for 2000.
k Includes squash and pumpkins (2,795) for 2000.

Region: Northwest Fruitful Rim **State(s):** Oregon
Total Cropland Area: 1,231,332 acres

Apple

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 5105 Apples in 2000

Pesticide Usage: Azinphos-methyl, chlorpyrifos, diazinon, dimethoate and phosmet: NASS 1999 Fruit and Nut Summary; malathion: NASS 1997 Fruits Summary

Bean, Snap

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7210 Snap Beans, Fresh in 2000 and 7310 Snap Beans, Processed in 2000. Includes fresh (156 acres) and disclosed and non-disclosed processed (21,925 acres) Willamette Valley counties

Pesticide Usage: NASS 2000 Vegetable Summary

Blackberries

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 6122 Evergreen Blackberries in 200 and 6124 Marion and Other Blackberries in 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Blueberries

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 6140 Blueberries in 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Broccoli

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7260 Broccoli, Fresh in 2000 and 7360 Broccoli Processed in 1998. Includes fresh (70 acres) for 2000 and non-disclosed processed (2,490 acres) Willamette Valley counties for 1998

Pesticide Usage: NASS 2000 Vegetable Summary. Data from California was used as a surrogate for Oregon;

there was no NASS survey of broccoli in Oregon.

Cabbage

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7140 Cabbage in 2000. Includes disclosed and undisclosed Willamette Valley counties.

Pesticide Usage: NASS 2000 Vegetable Summary. Data from California was used as a surrogate for Oregon; there was no NASS survey of cabbage in Oregon.

Cauliflower

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7270 Cauliflower, Fresh in 2000 and 7370 Cauliflower, Processed in 1998. Includes fresh (25 acres) and non-disclosed processed (1,885) Willamette Valley counties

Pesticide Usage: NASS 2000 Vegetable Summary. Data from California was used as a surrogate for Oregon; there was no NASS survey of cauliflower in Oregon.

Cherries, Sweet

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 5110 Sweet Cherries in 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Cherries, Tart

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 5115 Tart Cherries in 2000

Pesticide Usage: Dimethoate: NASS 1999 Fruit and Nut Summary; diazinon and phosmet: NASS 1997 Fruits Summary

Christmas Trees

Total Acres: Jenkins, J. and P. Thomson. 1998. Pesticide Use in Oregon's Drainage Basins. Agriculture Chemistry Extension, Department of Environmental and Molecular Toxicology, Oregon State University.

Pesticide Usage: Rinehold, J.W. 1999. USDA Crop Profile for Christmas Trees in Oregon and Washington. Revised January 1999.

Corn, Sweet

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7240 Sweet Corn, Fresh in 2000 and 7340 Sweet Corn, Processed in 2000. Includes fresh (3,740 acres) and disclosed (15,790 acres) and non-disclosed (15,540 acres) Willamette Valley counties

Pesticide Usage: NASS 2000 Vegetable Summary

Cucumbers

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7280 Cucumbers, Fresh in 2000 and 7380 Cucumbers, Processed in 1998. Includes fresh (215 acres) and non-disclosed processed (2,600 acres) for Willamette Valley Counties.

Pesticide Usage: NASS 2000 Vegetable Summary. Data for fresh cucumbers in California was used as a surrogate for Oregon; there were no NASS surveys of cucumbers in Oregon.

Hazelnuts

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 5150 Hazelnuts in 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Hops

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 4220 Hops in 2000. Includes non-disclosed (5,810 acres) Willamette counties.

Pesticide Usage: USDA 1999. Crop Profile for Hops in Oregon. Revised November 23, 1999

Mint

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 4205 Peppermint Oil in 2000

Pesticide Usage: Rinehold, J.W., J.J. Jenkins and R. Lundy. 1999. Pesticide use in Oregon peppermint and spearmint. Draft. Prepared for the Mint Industry Research Council, Stevenson, WA, 1999. Summary cited in USDA Crop Profile for Mint in Oregon, Revised September 2, 1999.

Nursery: Trees and Shrubs

Total Acres: Rinehold, J. and J.J. Jenkins. 1994 Pesticide Use Survey. Oregon Pesticide Use Estimates for Seed and Specialty Crops, 1992. Oregon State University Publication No. EM 8658

Pesticide Usage: Rinehold, J. and J.J. Jenkins. 1994 Pesticide Use Survey. Oregon Pesticide Use Estimates for Seed and Specialty Crops, 1992. Oregon State University Publication No. EM 8658

Onions, Dry

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7115 Dry Storage Onions in 2000.

Pesticide Usage: NASS Vegetable Summary

Orchardgrass

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 3165 for Orchardgrass in 2000

Pesticide Usage: Rinehold, J. and J.J. Jenkins. 1994 Pesticide Use Survey. Oregon Pesticide Use Estimates for

Seed and Specialty Crops, 1992. Oregon State University Publication No. EM 8658

Pears

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 5125 Bartlett Pears in 2000, 5127 Asian Pears in 2000, and 5130 Winter Pears in 2000

Pesticide Usage: All pesticides except diazinon: NASS 1999 Fruit and Nut Summary; diazinon: NASS 1997 Fruits Summary

Peas, Green

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7420 Green Peas in 2000. Includes non-disclosed (3,635 acres) Willamette Valley counties.

Pesticide Usage: Dimethoate: NASS 2000 Vegetable Summary; diazinon: 1998 Vegetable Summary

Raspberries

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 6110 Red Raspberries in 2000 and 6115 Black Raspberries in 2000.

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Squash

Total Acres: Oregon State University Extension Service, Oregon Agricultural Information Network (OAIN) Commodity Report (By County) for 7440 Squash and Pumpkins in 2000. Includes acreage for both squash and pumpkins.

Pesticide Usage: NASS 2000 Vegetable Summary. Data from California was used as a surrogate for Oregon; squash was not surveyed by NASS in Oregon.

PRAIRIE GATEWAY

Crop	Crop Acres	Pesticide	% Treated	Number of Applications	Rate (lbs ai/a)	Application Method	Stage	Date(s)	Range	Most Active
Alfalfa	2,557 Harvested	Chlorpyrifos	10	1(1.2)	0.55		Foliar	June 16	May15-Jul15	
		Ethyl parathion	6	1(1.3)	0.36		Use deletion			
		Methyl parathion	3	1(1.1)	0.19		Foliar	June 16	May15-Jul15	
Corn	404,800 Planted	Chlorpyrifos	4	1	0.76	Ground	Planting	April 9	Feb28-May15	Mar20-Apr29
		Dimethoate	5	1	0.43	Aerial	Foliar	July 1	Jun1-Aug1	
		Tebupirimiphos	8	1	0.08	Ground	Planting	April 9	Feb28-May15	Mar20-Apr29
		Terbufos	12	1	0.82	Ground	Planting	April 9	Feb28-May15	Mar20-Apr29
Cotton	131,100 Planted	Acephate	6	2(1.5)	0.57	Ground	Foliar	May 1	May1-Jun10	
						Ground	Foliar	May 21	May1-Jun10	
		Azinphos-methyl	4	2(1.8)	0.27	Ground	Foliar	May 20	May20-Oct1	
						Aerial	Foliar	July 26	May20-Oct1	
		Chlorpyrifos	5	2(1.9)	0.64	Aerial	Foliar	June 15	Jun15-Aug15	
						Aerial	Foliar	July 16	Jun15-Aug15	
		Dicrotophos	5	2(1.5)	0.14	Ground	Foliar	May 1	May1-Jun15	
						Ground	Foliar	May 24	May1-Jun15	
		Malathion	41	7(6.5)	1.02	Ground	Foliar	May 15	May15-Oct15	
						Aerial	Foliar	June 6	May15-Oct15	
						Aerial	Foliar	June 28	May15-Oct15	
Aerial	Foliar					July 20	May15-Oct15			
Aerial	Foliar					Aug 11	May15-Oct15			
Aerial	Foliar					Sept 2	May15-Oct15			
Methyl parathion	6	2(2.3)	0.64	Ground	Foliar	May 15	May15-Oct15			
				Aerial	Foliar	July 31	May15-Oct15			
Phorate	4	1	0.44	Ground	Planting	April 13	Mar20-Jun1	Apr1-Apr25		
Dimethoate	2	2(1.7)	0.24	Ground	Foliar	May 1	May1-Jun15			
				Ground	Foliar	May 24	May1-Jun15			
Tribufos	11	1	0.51	Aerial	Foliar	Nov 1	Aug10-Dec28	Oct1-Dec2		
Sorghum	200,300 Planted	Chlorpyrifos	5	1	0.44	Aerial	Foliar	May 2	Apr1-Jun1	
Wheat	249,300 Planted	Dimethoate	5	1(1.1)	0.28	Aerial	Foliar	Nov 8	Oct15-Dec1	
Region: Prairie Gateway			State: Texas							
Total Cropland Area: 2,064,325 acres										

Alfalfa

Total Acres: USDA NASS 1997 Census of Agriculture-County Data, Field Seed, Grass Seeds, Hay, Forage, and

Silage

Pesticide Usage: NASS 1998 Field Crops Summary. South Region: Includes AL, AR, FL, KY, LA, MS, NC, OK, SC, TN, TX, VA, WV

Corn

Total Acres: Texas Agricultural Statistics Service County: Texas All Corn County Estimates 2000, Acreage Planted

Pesticide Usage: NASS 2000 Field Crops Summary

Cotton

Total Acres: Texas Agricultural Statistics Service County: Texas All Upland Cotton County Estimates 2000, Acreage Planted

Pesticide Usage: All pesticides except dimethoate and tribufos: NASS 2000 Field Crops Summary; dimethoate and tribufos: NASS 1999 Field Crops Summary

Sorghum

Total Acres: Texas Agricultural Statistics Service County: Texas All Sorghum County Estimates 2000, Acreage Planted

Pesticide Usage: NASS 1998 Field Crops Summary. Data from Kansas was used as a surrogate for Texas; NASS data was not collected for sorghum in Texas.

Wheat

Total Acres: Texas Agricultural Statistics Service County: Texas All Wheat County Estimates 2000, Acreage Planted

Pesticide Usage: NASS 1998 Field Crops Summary

SOUTHERN SEABOARD

Crop	Crop Acres	Pesticide	%Treated	Number of Applications	Rate (lbs ai/a)	Application Method	Stage	Date(s)	Range	Most Active
Corn	62,500 Planted all purposes	Terbufos	38	1	1.14	Ground	Planting	April 17	Apr1-May20	Apr10-Apr25
		Chlorpyrifos	8	1	1.17	Ground	Planting	April 17	Apr1-May20	Apr10-Apr25
Cotton	209,300 Planted all purposes	Acephate	16	1	0.27	Ground	Foliar	June 11	May1-Jul21	
		Dimethoate	2	2(1.6)	0.1	Ground	Foliar	May 1 June11	May1-Jul21	
		Phorate	4	1	0.9	Ground	Planting	May 10	Apr21-Jun8	May1-May20
		Tribufos	39	1	0.46	Ground	Harvest	Oct 19	Sep27-Dec15	Oct7-Nov15
		Disulfoton	11	1	0.66	Ground	Planting	May 10	Apr21-Jun8	May-May20
Peanuts	29,940 Acres Harvested	Acephate	5	1	0.47	Ground	Planting- Foliar	May 25	Apr28-Jun21	
		Chlorpyrifos	25	1	0.63	Ground	Foliar (Southern corn rootworm)	July 7	Jun15-Aug1	
		Phorate	20	1	0.91	Ground	Planting	May 18	Apr28-Jun2	May8-May28
Sod	None Reported									
Tobacco	26,755 Acres Harvested	Acephate	70	1(1.2)	0.75	Ground	Foliar	June 30	May15-Aug15	
		Chlorpyrifos	25	1	2.3	Ground	Planting	May 16	Apr18-Jun2	May7-May25
		Ethoprop	6(5.5)	1	5.2	Ground	Planting	May 16	Apr18-Jun2	May7-May25

		Fenamiphos	15	1	3	Ground	Planting	May 16	Apr18-Jun2	May7-May25
Region: Southern Seaboard		State: North Carolina								
Total Cropland Area: 531,433 acres										

Corn

Total Acres: North Carolina Department of Agriculture & Consumer Service, Agricultural Statistics Division-County Estimates. Corn for Grain-Acres, Yield, and Production By County, North Carolina, 1999-2000. Acres planted for all purposes 2000.

Pesticide Usage: Terbufos: NASS 2000 Field Crops Summary; Chlopyrifos: NASS 1999 Field Crops Summary

Cotton

Total Acres: North Carolina Department of Agriculture & Consumer Service, Agricultural Statistics Division-County Estimates. Cotton-Acres, Yield, and Production By County, North Carolina, 1999-2000. Acres planted for all purposes 2000.

Pesticide Usage: All pesticides except disulfoton: NASS 2000 Field Crops Summary; disulfoton: NASS 1999 Field Crops Summary

Peanuts

Total Acres: North Carolina Department of Agriculture & Consumer Service, Agricultural Statistics Division-County Estimates. Peanuts-Acres, Yield, and Production By County, North Carolina, 1999-2000. Acres harvested for 2000.

Pesticide Usage: NASS 1999 Field Crops Summary

Tobacco

Total Acres: North Carolina Department of Agriculture & Consumer Service, Agricultural Statistics Division-County Estimates. Tobacco-Acres, Yield, and Production By Counties and By Types, North Carolina, 1999-2000. Acres planted for all purposes 2000.

Pesticide Usage: NASS 1999 Field Crops Summary

SOUTHEAST FRUITFUL RIM

Crop	Crop Acres	Pesticide	% Treated	Number of Applications	Rate (lbs ai/a)	Application Method	Stage	Date(s)	Range	Most Active	
Corn, Sweet (Fresh)	24,022 Planted	Chlorpyrifos	80	2(1.8)	0.66	Aerial Aerial	Foliar Foliar	October 1 February 15	Oct1-Dec1 Feb15-May15		
		Phorate	69	1	1.3	Ground	At Planting	Sept 1	Sep1-Feb1		
Cucumber	Acreage less than 100 acres										
Golf Courses (155)	No NASS Information Available										
Grapefruit	1,971 Planted	Chlorpyrifos	5	2(1.5)	1.88	Ground Ground	Foliar Foliar	January 1 February 15	Jan1-Mar31 Jan1-Mar31		
		Ethion: Use Being Phased Out									
Lettuce	3,200 Planted	Diazinon	51	2(1.7)	0.69	Ground Ground	Foliar Foliar	October 15 January 22	Oct15-Apr30 Oct15-Apr30		
Nursery	6,375 Planted	No OP Information Available									
Oranges	5,850 Planted	Chlorpyrifos	5	2(2.2)	0.57	Ground Ground	Foliar Foliar	January 1 February 15	Jan1-Mar31 Jan1-Mar31		
		Ethion: Use Being Phased Out									
Peppers (Bell)	4,000 Planted	Acephate	28	3	0.76	Ground Ground Ground	Foliar Foliar Foliar	October 15 December 5 January 25	Oct15-Mar15 Oct15-Mar15 Oct15-Mar15		
Sod	11,154 Planted	No OP Information Available									
Sugarcane	430,548 Planted	Azinphos-methyl: Use Cancelled									
		Ethoprop	6	1	3.5	Ground	At Planting	September 1	Sep1-Jan15		
		Phorate	10(9.5)	1	4	Ground	At Planting	September 1	Sep1-Jan15		
Tangelos	352 Planted	Chlorpyrifos	5	1(1.2)	1.01	Ground	At Planting	January 1	Jan1-Mar31		
		Ethion: Use Being Phased Out									
Tangerines	1,216 Planted	Chlorpyrifos	10	2(1.7)	0.72	Ground Ground	Foliar Foliar	January 1 February 15	Jan1-Mar31 Jan1-Mar31		
		Ethion: Use Being Phased Out									
Temples	634 Planted	Ethion: Use Being Phased Out									

Tomatoes (Fresh)	2,800 Planted	Diazinon	7	2(1.4)	0.58	Ground	Foliar	November 1	Nov1-Apr15	
						Ground	Foliar	January 23	Nov1-Apr15	
		Methamidophos	14	3(3.2)	0.47	Ground	Foliar	November 1	Nov1-Apr15	
								December 26	Nov1-Apr15	
								February 19	Nov1-Apr15	
Watermelon	Acreage less than 100 acres									
Region: Southeast Fruitful Rim		State: Florida								
Total Cropland Area:										

Corn, Sweet

Total Acres: Florida Cooperative Extension Service, Palm Beach County. Palm Beach County Vegetable Production (1999-2000 Growing Season)

Pesticide Usage: NASS 2000 Vegetable Summary

Grapefruit

Total Acres: Florida Agricultural Statistics Service. Commercial Citrus Inventory 2000

Pesticide Usage: NASS 1997 Fruits Summary

Lettuce

Total Acres: Florida Cooperative Extension Service, Palm Beach County. Palm Beach County Vegetable Production (1999-2000 Growing Season)

Pesticide Usage: NASS 2000 Vegetable Summary

Oranges

Total Acres: Florida Agricultural Statistics Service. Commercial Citrus Inventory 2000

Pesticide Usage: NASS 1997 Fruits Summary

Peppers

Total Acres: Florida Cooperative Extension Service, Palm Beach County. Palm Beach County Vegetable Production (1999-2000 Growing Season)

Pesticide Usage: NASS 1998 Vegetable Summary

Sugarcane

Total Acres: Florida Cooperative Extension Service, Palm Beach County. Palm Beach County Agricultural Acreage (1999-2000 Growing Season)

Pesticide Usage: US EPA Organophosphate Use/Usage Matrix - Crop Summary (Draft). Site: Sugarcane. Region: National (Florida, Louisiana, Texas and Hawaii). Date: 01/29/99.

Tangelos

Total Acres: Florida Agricultural Statistics Service. Commercial Citrus Inventory 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Tangerines

Total Acres: Florida Agricultural Statistics Service. Commercial Citrus Inventory 2000

Pesticide Usage: NASS 1999 Fruit and Nut Summary

Tomatoes

Total Acres: Florida Cooperative Extension Service, Palm Beach County. Palm Beach County Vegetable Production (1999-2000 Growing Season)

Pesticide Usage: NASS 2000 Vegetable Summary

California North Central Valley

Crop Stages and Pesticide Use for Alfalfa

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Dimethoate	Malathion	Methyl Parathion	Methadathion	Phosmet				
		P	E	M	H										
Total Pounds (Al) Applied:					32,602	1,063	2,446	925	30	6,267					
Total Acre Treatments:					57,959	3,038	2,168	1,109	30	8,799					
Application Rate (lbs ai/Acre), SCV counties 1998:					0.56	0.35	1.13	0.83	1.00	0.71					
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (88,940):					0.65166	0.03416	0.0244	0.0125	0	0.0989					
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1								5						
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8	P				1	1		3		1				
11	March 15	P	E			1	1		1		2				
12	March 22	P	E			1	1	1	1		1				
13	March 29	P	E				1	1			1				
14	April 5	P	E					1							
15	April 12	P	E					1							
16	April 19	P	E					1							
17	April 26	P	E	M		1									
18	May 3		E	M											
19	May 10		E	M											
20	May 17			M	H1										
21	May 24			M	H1		1								
22	May 31			M	H1										
23	June 7			M	H1										
24	June 14			M	H1										
25	June 21			M	H1										
26	June 28				H1										
27	July 5				H1										
28	July 12				H1										
29	July 19														
30	July 26				H2										
31	August 2				H2										
32	August 9				H2										
33	August 16				H2										
34	August 23				H2										
35	August 30				H2	1									
36	September 6														
37	September 13				H3										
38	September 20				H3										
39	September 27				H3										
40	October 4				H3										
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														

52	December 27																			
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Assume alfalfa is planted in the spring and it is cut at approximate 30 day intervals after the first harvest. I listed the cuttings as harvest 1, 2, etc (H1).

Crop Stages and Pesticide Use for Head Lettuce (Leafy Veg)

Week	Midpoint Date	Crop Stage				Bensulid e	Dimetho ate								
		P	E	M	H										
Total Pounds (Al) Applied:					25	5									
Total Acre Treatments:					25	30									
Application Rate (lbs ai/Acre), SCV counties 1998:					0.99	0.16									
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (826):					0.0303	0.0363									
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3														
19	May 10														
20	May 17														
21	May 24														
22	May 31														
23	June 7					2									
24	June 14						3								
25	June 21														
26	June 28	P													
27	July 5	P	E												
28	July 12	P	E												
29	July 19	P	E												
30	July 26	P	E												
31	August 2	P	E												
32	August 9	P	E												
33	August 16	P	E												
34	August 23	P	E												
35	August 30	P	E	M											
36	September 6		E	M											
37	September 13			M											
38	September 20			M											
39	September 27			M	H										
40	October 4			M	H										
41	October 11			M	H	3									
42	October 18			M	H		2								
43	October 25			M	H										
44	November 1			M	H										
45	November 8			M	H										
46	November 15			M	H										
47	November 22				H										
48	November 29				H										
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Broccoli (Brassica)

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Diazinon	Dimethoate	Methamidophos	ODM					
		P	E	M	H										
Total Pounds (Al) Applied:					3	25	459	694	195						
Total Acre Treatments:					3	25	1,273	466	390						
Application Rate (lbs ai/Acre), SCV counties 1998:					1.00	1.00	0.36	1.49	0.50						
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (3,306):					0	0.008	0.38506	0.14096	0.117967						
1	January 4														
2	January 11								1						
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15								1						
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3														
19	May 10														
20	May 17														
21	May 24														
22	May 31														
23	June 7														
24	June 14														
25	June 21														
26	June 28														
27	July 5														
28	July 12														
29	July 19														
30	July 26	P													
31	August 2	P	E												
32	August 9	P	E												
33	August 16	P	E				5	1							
34	August 23	P	E												
35	August 30	P	E					1							
36	September 6	P	E					1	1						
37	September 13	P	E					1							
38	September 20	P	E	M											
39	September 27	P	E	M					3						
40	October 4		E	M	H	5									
41	October 11			M	H			1							
42	October 18			M	H				1	3					
43	October 25			M	H										
44	November 1			M	H										
45	November 8			M	H										
46	November 15			M	H										
47	November 22			M	H										
48	November 29				H										
49	December 6				H										
50	December 13				H										

51	December 20			H										
52	December 27			H										

Crop Stages and Pesticide Use for Sugar Beets (Root & Tubers)

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Methamidophos	Naled	ODM	Phorate					
		P	E	M	H										
Total Pounds (Al) Applied:					2,479	668	48	223	40						
Total Acre Treatments:					4,051	914	48	506	165						
Application Rate (lbs ai/Acre), SCV counties 1998:					0.61	0.73	1.01	0.44	0.25						
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (8,607):					0.47066	0.10619	0.006	0.0588	0.0192						
1	January 4	P													
2	January 11	P													
3	January 18	P	E												
4	January 25	P	E												
5	February 1	P	E												
6	February 8	P	E												
7	February 15	P	E												
8	February 22	P	E												
9	March 1		E												
10	March 8		E												
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12									5					
16	April 19								2						
17	April 26								1						
18	May 3			M											
19	May 10			M			1								
20	May 17			M		1									
21	May 24			M											
22	May 31			M											
23	June 7			M											
24	June 14			M											
25	June 21			M											
26	June 28			M	H										
27	July 5				H										
28	July 12				H										
29	July 19				H										
30	July 26				H	1									
31	August 2				H		1								
32	August 9				H		1								
33	August 16				H	1	1								
34	August 23				H										
35	August 30				H										
36	September 6				H	1			1						
37	September 13					1									
38	September 20							5	1						
39	September 27														
40	October 4						1								
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Grapes (Small Fruits & Berries)

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Diazinon	Dimethoate	Fenamiphos	Malathion	Methyl Parathion	Naled	Phorate		
		P	E	M	H										
Total Pounds (Al) Applied:					636	144	186	4,252	1,965	126	657	19			
Total Acre Treatments:					342	428	658	2,638	1310	24	986	12			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.86	0.34	0.28	1.61	1.5	5.26	0.67	1.60			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (94,485):					0.004	0.005	0.007	0.0279	0.0139	0	0.0104	0			
1	January 4		E												
2	January 11		E												
3	January 18		E												
4	January 25		E												
5	February 1		E												
6	February 8		E												
7	February 15		E												
8	February 22		E												
9	March 1														
10	March 8					3									
11	March 15					2									
12	March 22												1		
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26									5					
18	May 3														
19	May 10							1							
20	May 17						1						1		
21	May 24												1		
22	May 31														
23	June 7														
24	June 14			M											
25	June 21			M					5		1	1			
26	June 28			M	H			1							
27	July 5			M	H			1					1		
28	July 12			M	H										
29	July 19			M	H			5			1				
30	July 26			M	H										
31	August 2			M	H						1				
32	August 9			M	H		4				1				
33	August 16			M	H										
34	August 23			M	H										
35	August 30			M	H										
36	September 6			M	H						1				
37	September 13			M	H										
38	September 20			M	H										
39	September 27			M	H										
40	October 4			M	H										
41	October 11				H										
42	October 18				H										
43	October 25				H										
44	November 1				H			1							
45	November 8				H										
46	November 15							1							
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Almonds (Tree Nuts)

Week	Midpoint Date	Crop Stage				Azinphos Methyl	Chlorpyrifos	Diazinon	Malathion	Methidathion	Methyl Parathion	Naled	Phosmet		
		P	E	M	H										
Total Pounds (Al) Applied:					6,080	48,154	23,307	1	12,335	30	1,091	14,249			
Total Acre Treatments:					3,930	28,576	11,998	10	12,835	20	685	5,040			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.55	1.69	1.86	0.13	0.96	1.51	1.59	2.83			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (123,907):					0.0317	0.23062	0.0968	0	0.10359	0	0.006	0.0407			
1	January 4		E												
2	January 11		E					1		1					
3	January 18		E					1		2		1			
4	January 25		E					2		1		3			
5	February 1							1		1		1			
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22												1		
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3														
19	May 10							1							
20	May 17							1							
21	May 24								5						
22	May 31														
23	June 7							1							
24	June 14										5				
25	June 21														
26	June 28			M											
27	July 5			M											
28	July 12			M		1									
29	July 19			M		2							1		
30	July 26			M		2	1						1		
31	August 2			M	H		1						1		
32	August 9			M	H								1		
33	August 16			M	H										
34	August 23			M	H										
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H										
38	September 20				H										
39	September 27				H										
40	October 4				H										
41	October 11				H										
42	October 18				H										
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Apples (Pome Fruits)

Week	Midpoint Date	Crop Stage				Azinphos Methyl	Chlorpyrifos	Diazinon	Dimethoate	Methadathion	Methyl Parathion	Phosmet			
		P	E	M	H										
Total Pounds (Al) Applied:					2,234	4,237	1,743	85	2,411	4,212	16,107				
Total Acre Treatments:					2,157	3,252	1,166	148	2,115	2,922	5,381				
Application Rate (lbs ai/Acre), SCV counties 1998:					1.04	1.30	1.49	0.57	1.14	1.44	2.99				
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (7,089):					0.30427	0.45874	0.16448	0.0209	0.29835	0.41219	0.75906				
1	January 4		E												
2	January 11		E												
3	January 18		E						1						
4	January 25		E				1		1						
5	February 1		E												
6	February 8														
7	February 15														
8	February 22								1						
9	March 1								1						
10	March 8						1	2	1						
11	March 15							1							
12	March 22														
13	March 29														
14	April 5														
15	April 12								3						
16	April 19														
17	April 26						1								
18	May 3						1								
19	May 10							1		1					
20	May 17										1				
21	May 24					1	1								
22	May 31										1				
23	June 7							1		1					
24	June 14			M		1									
25	June 21			M		1	1			1					
26	June 28			M	H										
27	July 5			M	H						1				
28	July 12			M	H										
29	July 19			M	H	1				1					
30	July 26			M	H						1				
31	August 2			M	H										
32	August 9			M	H					1					
33	August 16			M	H										
34	August 23			M	H	1		1				1			
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H										
38	September 20				H										
39	September 27				H										
40	October 4				H										
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Peaches (Stone Fruits)

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Diazinon	Dimethoate	Fenamiphos	Methadathion	Methyl Parathion	Naled	Phosmet		
		P	E	M	H										
Total Pounds (Al) Applied:					738	3,805	36	224	2,370	482	306	9,376			
Total Acre Treatments:					408	1,818	10	64	2,044	358	189	3,399			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.81	2.09	3.58	3.50	1.16	1.35	1.62	2.76			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (10,537):					0.0387	0.17253	0	0.006	0.19398	0.034	0.0179	0.32258			
1	January 4		E								2				
2	January 11		E												
3	January 18		E						1		3				
4	January 25		E			2									
5	February 1		E			1									
6	February 8		E												
7	February 15		E												
8	February 22														
9	March 1								1						
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3			M											
19	May 10			M	H										
20	May 17			M	H										
21	May 24			M	H										
22	May 31			M	H			2				1			
23	June 7			M	H		5					1			
24	June 14			M	H					2		1			
25	June 21			M	H					1					
26	June 28			M	H										
27	July 5			M	H					2		1			
28	July 12			M	H										
29	July 19			M	H							1			
30	July 26			M	H										
31	August 2			M	H										
32	August 9			M	H										
33	August 16			M	H										
34	August 23			M	H										
35	August 30			M	H										
36	September 6			M	H										
37	September 13				H				1						
38	September 20				H										
39	September 27				H										
40	October 4				H				2						
41	October 11				H										
42	October 18				H										
43	October 25				H										
44	November 1														
45	November 8														
46	November 15														
47	November 22						2								
48	November 29														
49	December 6					2	1		1						
50	December 13														
51	December 20						1		2						
52	December 27						1								

Crop Stages and Pesticide Use for Tomatoes (Fruiting Veg.)

Week	Midpoint Date	Crop Stage				Acephate	Chlorpyrifos	Diazinon	Dimethoate	Fonofos	Malathion	Methamidophos			
		P	E	M	H										
Total Pounds (Al) Applied:					217	127	1,500	17,091	4,227	113	5,448				
Total Acre Treatments:					268	210	1,361	39,007	3,068	96	6,436				
Application Rate (lbs ai/Acre), SCV counties 1998:					0.81	0.60	1.10	0.44	1.38	1.18	0.85				
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (57,374):					0.005	0.004	0.0237	0.67987	0.0535	0.002	0.11218				
1	January 4	P													
2	January 11	P	E												
3	January 18	P	E												
4	January 25	P	E												
5	February 1	P	E												
6	February 8	P	E												
7	February 15	P	E												
8	February 22	P	E												
9	March 1	P	E												
10	March 8	P	E					1							
11	March 15	P	E						1						
12	March 22	P	E												
13	March 29	P	E												
14	April 5	P	E												
15	April 12	P	E												
16	April 19	P	E						1						
17	April 26	P	E						1						
18	May 3		E	M				1	1						
19	May 10			M	H										
20	May 17			M	H			1	1						
21	May 24			M	H			1							
22	May 31			M	H										
23	June 7			M	H										
24	June 14			M	H										
25	June 21			M	H										
26	June 28			M	H										
27	July 5			M	H			1							
28	July 12			M	H		1	1				1			
29	July 19			M	H			1							
30	July 26			M	H			1		2	1				
31	August 2			M	H		2	1		2					
32	August 9			M	H	2									
33	August 16			M	H					1	1				
34	August 23			M	H		2	1							
35	August 30			M	H	2									
36	September 6				H	1						1			
37	September 13				H										
38	September 20				H										
39	September 27				H							1			
40	October 4				H										
41	October 11				H										
42	October 18				H										
43	October 25				H										
44	November 1				H										
45	November 8				H										
46	November 15				H										
47	November 22				H										
48	November 29				H										
49	December 6				H										
50	December 13				H										
51	December 20				H										
52	December 27				H										

Crop Stages for Cantaloupes (Melons, Cucurbits)

Week	Midpoint Date	Crop Stage				Diazinon	Dimethoate	ODM							
		P	E	M	H										
Total Pounds (Al) Applied:					140	102	24								
Total Acre Treatments:					415	212	65								
Application Rate (lbs ai/Acre), SCV counties 1998:					0.34	0.48	0.37								
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (1,464):					0.28347	0.14481	0.0444								
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8	P													
7	February 15	P													
8	February 22	P	E												
9	March 1	P	E												
10	March 8	P	E												
11	March 15	P	E												
12	March 22	P	E												
13	March 29	P	E												
14	April 5	P	E												
15	April 12	P	E												
16	April 19	P	E												
17	April 26	P	E												
18	May 3	P	E												
19	May 10	P	E												
20	May 17	P	E			1									
21	May 24	P	E			1									
22	May 31	P	E												
23	June 7	P	E												
24	June 14	P	E												
25	June 21	P	E												
26	June 28	P	E												
27	July 5	P	E	M											
28	July 12	P	E	M	H										
29	July 19	P	E	M	H										
30	July 26	P	E	M	H			5							
31	August 2		E	M	H	3	2								
32	August 9			M	H		2								
33	August 16			M	H		1								
34	August 23			M	H										
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H										
38	September 20			M	H										
39	September 27			M	H										
40	October 4			M	H										
41	October 11			M	H										
42	October 18			M	H										
43	October 25				H										
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages for Asparagus

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Disulfoton	Fonofos	Malathion						
		P	E	M	H										
Total Pounds (Al) Applied:					2,752	16,823	466	1,768							
Total Acre Treatments:					4,270	15,967	261	1,791							
Application Rate (lbs ai/Acre), SCV counties 1998:					0.64	1.05	1.78	0.99							
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (22,633):					0.18866	0.70547	0.0115	0.0791							
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15		E												
8	February 22		E	M											
9	March 1		E	M	H										
10	March 8		E	M	H										
11	March 15		E	M	H										
12	March 22		E	M	H										
13	March 29		E	M	H										
14	April 5		E	M	H										
15	April 12		E	M	H			2							
16	April 19		E	M	H										
17	April 26		E	M	H										
18	May 3		E	M	H										
19	May 10		E	M	H			1							
20	May 17		E	M	H										
21	May 24		E	M	H										
22	May 31		E	M	H										
23	June 7		E	M	H				3						
24	June 14			M	H			1							
25	June 21				H			1	1						
26	June 28				H				1						
27	July 5					1									
28	July 12														
29	July 19														
30	July 26					1									
31	August 2					1									
32	August 9						1								
33	August 16														
34	August 23														
35	August 30														
36	September 6						1								
37	September 13					1									
38	September 20						1								
39	September 27														
40	October 4						1								
41	October 11						1								
42	October 18					1									
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages for Field Corn

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Dimethoate	Disulfoton	Malathion	Phorate					
		P	E	M	H										
Total Pounds (Al) Applied:					8,731	45	171	64	19,484						
Total Acre Treatments:					7,686	140	169	128	16,682						
Application Rate (lbs ai/Acre), SCV counties 1998:					1.14	0.32	1.01	0.50	1.17						
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (95,151):					0.0808	0.001	0.002	0.001	0.17532						
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8														
11	March 15						4								
12	March 22								2						
13	March 29	P													
14	April 5	P	E						1						
15	April 12	P	E												
16	April 19	P	E												
17	April 26	P	E												
18	May 3	P	E							1					
19	May 10	P	E												
20	May 17	P	E			1				1					
21	May 24	P	E												
22	May 31	P	E							1					
23	June 7	P	E			1				1					
24	June 14	P	E			1	1			1					
25	June 21	P	E												
26	June 28	P	E			1									
27	July 5	P	E												
28	July 12	P	E			1									
29	July 19	P	E	M											
30	July 26	P	E	M											
31	August 2	P	E	M	H										
32	August 9		E	M	H										
33	August 16			M	H			5	1						
34	August 23			M	H				1						
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H										
38	September 20			M	H										
39	September 27			M	H										
40	October 4			M	H										
41	October 11			M	H										
42	October 18			M	H										
43	October 25			M	H										
44	November 1			M	H										
45	November 8				H										
46	November 15				H										
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages for Dry Beans

Week	Midpoint Date	Crop Stage				Acephate	Dimethoate	Fonofos	Malathion	Naled					
		P	E	M	H										
Total Pounds (Al) Applied:					20,791	9,222	1,111	1,294	1,923						
Total Acre Treatments:					24,373	22,705	686	1,214	2,215						
Application Rate (lbs ai/Acre), SCV counties 1998:					0.85	0.41	1.62	1.07	0.87						
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (22,312):					1.09237	1.01761	0.0307	0.0544	0.0993						
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5	P													
15	April 12	P	E												
16	April 19	P	E												
17	April 26	P	E					1							
18	May 3	P	E					2							
19	May 10	P	E												
20	May 17	P	E												
21	May 24	P	E					1							
22	May 31		E					1							
23	June 7														
24	June 14														
25	June 21			M											
26	June 28			M	H				1						
27	July 5			M	H										
28	July 12			M	H										
29	July 19			M	H			1							
30	July 26			M	H										
31	August 2			M	H	1	1		1						
32	August 9			M	H	1	1		2						
33	August 16			M	H	1			1						
34	August 23			M	H										
35	August 30				H	1	1			1					
36	September 6					1				1					
37	September 13						1			2					
38	September 20														
39	September 27									1					
40	October 4														
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Note: More complete application dates for the California assessments are available in Excel format by request from the Pesticide Docket, telephone 703-305-5805.

California South Central Valley

Crop Stages and Pesticide Use for Cotton

Week	Midpoint Date	Crop Stage				Acephate	Chlorpyrifos	Dimethoate	Disulfoton	Malathion	Methamidophos	Naled	Phorate	Profenophos	Tribufos
		P	E	M	H										
Total Pounds (Al) Applied:						95,154	363,648	57,704	553	7,107	129,048	124,385	52,070	50,900	376,979
Total Acre Treatments:						69875	366,826	130,324	814	5,820	140,215	132,287	41,933	42,405	234,518
Application Rate (lbs ai/Acre), SCV counties 1998:						1.36	0.99	0.44	0.68	1.22	0.92	0.94	1.24	1.20	1.61
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (880,748):						0.0793	0.41649	0.14797	0	0.0066	0.1592	0.1502	0.0476	0.0481	0.26627
1	January 4					1									
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1					1									
10	March 8														
11	March 15														
12	March 22	P													
13	March 29	P	E												
14	April 5	P	E												
15	April 12	P	E									1			
16	April 19	P	E									1			
17	April 26	P	E									3			
18	May 3	P	E												
19	May 10	P	E												
20	May 17		E												
21	May 24		E												
22	May 31														
23	June 7						1								
24	June 14							2	1						
25	June 21							1	1						
26	June 28					1				1	1				
27	July 5							1			1				
28	July 12					1									
29	July 19							1		1					
30	July 26					1				1	1				
31	August 2						1	1			1				
32	August 9						1				1	1		1	
33	August 16			M			1			1				1	
34	August 23			M				1			1	1			
35	August 30			M			1	1			1	1		1	
36	September 6			M			1				1			1	
37	September 13			M											
38	September 20			M	H										
39	September 27			M	H									1	1
40	October 4			M	H										1
41	October 11				H										1
42	October 18				H										2
43	October 25				H										
44	November 1				H										
45	November 8				H										
46	November 15				H										
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														

52	December 27													
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Crop Stages and Pesticide Use for Alfalfa

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Dimethoate	Malathion	Methamidophos	Methadathion	Naled	ODM	Phosmet	Diazinon	Methyl Parathion
		P	E	M	H										
Total Pounds (Al) Applied:					195,237	3,219	29,080	50,352	2,458	6,637	4,989	31,771	25,659	53	
Total Acre Treatments:					298,284	8,394	22,129	53,623	2,824	6,258	10,387	49,553	51,318	75	
Application Rate (lbs ai/Acre), SCV counties 1998:					0.65	0.38	1.31	0.94	0.87	1.06	0.48	0.64	0.50	0.71	
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (331,211):					0.90059	0.02534	0.0668	0.1619	0.009	0.0189	0.0314	0.14961	0.15494	0	
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1						1								
10	March 8	P					1	1				1			
11	March 15	P	E			1		1				2			
12	March 22	P	E				1	1				1			
13	March 29	P	E					1				1			
14	April 5	P	E												
15	April 12	P	E					1							
16	April 19	P	E												
17	April 26	P	E	M											
18	May 3		E	M											
19	May 10		E	M											
20	May 17			M	H1										
21	May 24			M	H1										
22	May 31			M	H1			1			1				
23	June 7			M	H1										
24	June 14			M	H1			1	1		1				
25	June 21			M	H1				3	1					
26	June 28				H1				1						
27	July 5				H1		1								
28	July 12				H1	1									
29	July 19					1		1			1				
30	July 26				H2						2				
31	August 2				H2					1					
32	August 9				H2	1			1		1				
33	August 16				H2		1		1		1				
34	August 23				H2						1				
35	August 30				H2	1									
36	September 6													5	
37	September 13				H3										
38	September 20				H3										
39	September 27				H3										
40	October 4				H3										
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20												5		
52	December 27														

Assume alfalfa is planted in the spring and it is cut at approximate 30 day intervals after the first harvest. I listed the cuttings as harvest 1, 2, etc (H1).

Crop Stages and Pesticide Use for Head Lettuce

Week	Midpoint Date	Crop Stage				Acephate	Bensulfide	Diazinon	Dimethoate	Disulfoton	Malathion	Methyl Parathion	ODM		
		P	E	M	H										
Total Pounds (Al) Applied:					19,485	357	22,281	4,387	261	1,488	5	127			
Total Acre Treatments:					22,471	89	34,746	16,359	223	765	17	265			
Application Rate (lbs ai/Acre), SCV counties 1998:					0.87	4.01	0.64	0.27	1.17	1.95	0.27	0.48			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (13,031):					0.54633	0.002	0.84476	0.397729	0.005	0.0186	0	0.006			
1	January 4														
2	January 11														
3	January 18														
4	January 25														
5	February 1														
6	February 8														
7	February 15														
8	February 22					1		1					2		
9	March 1								1						
10	March 8					1									
11	March 15							1				5			
12	March 22														
13	March 29														
14	April 5								1						
15	April 12									1					
16	April 19														
17	April 26														
18	May 3														
19	May 10														
20	May 17														
21	May 24														
22	May 31									1					
23	June 7														
24	June 14					1				3					
25	June 21												1		
26	June 28	P											2		
27	July 5	P	E												
28	July 12	P	E												
29	July 19	P	E							1					
30	July 26	P	E												
31	August 2	P	E					1							
32	August 9	P	E												
33	August 16	P	E					3							
34	August 23	P	E					2							
35	August 30	P	E	M				1			1				
36	September 6		E	M											
37	September 13			M							1				
38	September 20			M		1					2				
39	September 27			M	H	1			1						
40	October 4			M	H										
41	October 11			M	H				1						
42	October 18			M	H				1						
43	October 25			M	H										
44	November 1			M	H			1							
45	November 8			M	H										
46	November 15			M	H										
47	November 22				H										
48	November 29				H										
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Broccoli (Brassica)

Week	Midpoint Date	Crop Stage				Bensulid e	Chlorpyr ifos	Diazino n	Dimetho ate	Disulfot on	Malathio n	Methami dophos	Naled	ODM
		P	E	M	H									
Total Pounds (Al) Applied:					11,531	6,147	2,397	436	1,489	547	74	359	885	
Total Acre Treatments:					3,084	4,402	4,795	1,290	1,324	345	150	357	2,054	
Application Rate (lbs ai/Acre), SCV counties 1998:					3.74	1.40	0.50	0.34	1.12	1.59	0.49	1.01	0.43	
Application Rate (lbs ai/Acre), All California 1998:														
Application Method (%Air, %Ground):														
Total Acre Treatments / Acre Planted (13,031):					0.23667	0.33781	0.36797	0.099	0.1016	0.0265	0.0115	0.0274	0.15762	
1	January 4													
2	January 11													
3	January 18													
4	January 25						1							
5	February 1													
6	February 8													
7	February 15													
8	February 22													
9	March 1													
10	March 8													
11	March 15													
12	March 22													
13	March 29						1							
14	April 5											2		
15	April 12											1		
16	April 19												1	
17	April 26									1				
18	May 3													
19	May 10									1				
20	May 17													
21	May 24													
22	May 31							1						
23	June 7									1				
24	June 14									1				
25	June 21									1				
26	June 28						1							
27	July 5													
28	July 12							1						
29	July 19													
30	July 26	P												
31	August 2	P	E			1								
32	August 9	P	E			1	1							
33	August 16	P	E			1								
34	August 23	P	E				1	1						
35	August 30	P	E					1						
36	September 6	P	E			1				2				
37	September 13	P	E				1							
38	September 20	P	E	M				1	3		5			
39	September 27	P	E	M					1					
40	October 4		E	M	H									
41	October 11			M	H		1					2		
42	October 18			M	H									
43	October 25			M	H	1							2	
44	November 1			M	H			1					2	
45	November 8			M	H									
46	November 15			M	H			1						
47	November 22			M	H									
48	November 29				H									
49	December 6				H									
50	December 13				H									
51	December 20				H									
52	December 27				H									

Crop Stages and Pesticide Use for Sugar Beets (Root & Tubers)

Week	Midpoint Date	Crop Stage				Acephate	Chlorpyrifos	Diazinon	Malathion	Methamidophos	Naled	ODM	Phorate		
		P	E	M	H										
Total Pounds (Al) Applied:					38	19,252	202	2,437	684	15,073	95	9,237			
Total Acre Treatments:					38	22,006	414	1,680	1,090	15,555	247	10,249			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.00	0.87	0.49	1.45	0.63	0.97	0.39	0.90			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (49,457):					0	0.44495	0.008	0.034	0.022	0.31452	0.005	0.20723			
1	January 4	P													
2	January 11	P													
3	January 18	P	E												
4	January 25	P	E												
5	February 1	P	E												
6	February 8	P	E												
7	February 15	P	E												
8	February 22	P	E												
9	March 1		E												
10	March 8		E												
11	March 15														
12	March 22														
13	March 29														
14	April 5												1		
15	April 12														
16	April 19														
17	April 26														
18	May 3			M											
19	May 10			M				1							
20	May 17			M											
21	May 24			M											
22	May 31			M											
23	June 7			M											
24	June 14			M									1		
25	June 21			M											
26	June 28			M	H				2						
27	July 5				H	5		2							
28	July 12				H			1		1					
29	July 19				H		1	1							
30	July 26				H		1			1	1				
31	August 2				H		1	4		3					
32	August 9				H			1			1	2			
33	August 16				H										
34	August 23				H		1								
35	August 30				H						1				
36	September 6				H										
37	September 13						1								
38	September 20										2				
39	September 27										1				
40	October 4												1		
41	October 11														
42	October 18												1		
43	October 25														
44	November 1												1		
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Grapes (Small Fruits & Berries)

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Diazinon	Dimethoate	Fenamiphos	Malathion	Methyl Parathion	Naled	Phosmet		
		P	E	M	H										
Total Pounds (Al) Applied:					58,446	3,055	9,857	57,933	495	9,044	2,781	22,822			
Total Acre Treatments:					31,388	2,765	8,331	42,323	417	3,358	3,399	16,785			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.86	1.11	1.18	1.37	1.19	2.69	0.82	1.36			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (410,184):					0.0765	0.007	0.0203	0.10318	0.001	0.008	0.008	0.0409			
1	January 4		E												
2	January 11		E												
3	January 18		E												
4	January 25		E												
5	February 1		E												
6	February 8		E												
7	February 15		E												
8	February 22		E			1									
9	March 1					2									
10	March 8					2									
11	March 15												1		
12	March 22														
13	March 29														
14	April 5														
15	April 12									2			1		
16	April 19							1		3					
17	April 26														
18	May 3														
19	May 10							1							
20	May 17							1							
21	May 24							2	1						
22	May 31									2					
23	June 7							1	1						
24	June 14			M						1			1		
25	June 21			M											
26	June 28			M	H										
27	July 5			M	H			1	1						
28	July 12			M	H			1	1			1	1		
29	July 19			M	H			2							
30	July 26			M	H								1		
31	August 2			M	H										
32	August 9			M	H							1			
33	August 16			M	H							1			
34	August 23			M	H							1			
35	August 30			M	H										
36	September 6			M	H					1					
37	September 13			M	H							1			
38	September 20			M	H										
39	September 27			M	H										
40	October 4			M	H										
41	October 11				H										
42	October 18				H				1						
43	October 25				H										
44	November 1				H										
45	November 8				H										
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Almonds (Tree Nuts)

Week	Midpoint Date	Crop Stage				Azinphos Methyl	Chlorpyrifos	Diazinon	Dimethoate	Malathion	Methidathion	Naled	Phosmet		
		P	E	M	H										
Total Pounds (Al) Applied:					72,145	162,604	46,958	30	4,072	34,260	1,138	68,421			
Total Acre Treatments:					42,356	82,275	22,951	35	2,114	22,557	471	24,068			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.70	1.98	2.05	0.87	1.93	1.52	2.42	2.84			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (202,471):					0.2092	0.40635	0.11335	0	0.0104	0.11141	0.002	0.11887			
1	January 4		E					1							
2	January 11		E					1		2	2	1			
3	January 18		E					1		1	3				
4	January 25		E					1							
5	February 1														
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3						1								
19	May 10														
20	May 17									1					
21	May 24														
22	May 31														
23	June 7														
24	June 14											1			
25	June 21							1	1						
26	June 28			M											
27	July 5			M		1						1			
28	July 12			M		2	1					1			
29	July 19			M		2						1			
30	July 26			M			1	5							
31	August 2			M	H		1								
32	August 9			M	H										
33	August 16			M	H		1		3						
34	August 23			M	H				1						
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H										
38	September 20				H										
39	September 27				H										
40	October 4				H										
41	October 11				H										
42	October 18				H										
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27									1					

Crop Stages and Pesticide Use for Apples (Pome Fruits)

Week	Midpoint Date	Crop Stage				Azinphos Methyl	Chlorpyrifos	Diazinon	Fenamiphos	Methidathion	Methyl Parathion	Phosmet			
		P	E	M	H										
Total Pounds (Al) Applied:					6,963	17,998	2,212	244	5,724	4,430	28,971				
Total Acre Treatments:					7,604	12,988	1,500	158	2,813	3,542	10,250				
Application Rate (lbs ai/Acre), SCV counties 1998:					0.92	1.39	1.48	1.54	2.03	1.25	2.83				
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (10,292):					0.73883	1.26195	0.14574	0.0154	0.27332	0.34415	0.99592				
1	January 4		E												
2	January 11		E					1							
3	January 18		E												
4	January 25		E					1	1						
5	February 1		E						1						
6	February 8								1						
7	February 15						1	1	1						
8	February 22														
9	March 1														
10	March 8								1						
11	March 15						1								
12	March 22														
13	March 29														
14	April 5														
15	April 12					1		1							
16	April 19					1									
17	April 26					1			5						
18	May 3										1				
19	May 10					1	1	1			1				
20	May 17														
21	May 24										1				
22	May 31										2				
23	June 7														
24	June 14			M		1	1					1			
25	June 21			M											
26	June 28			M	H										
27	July 5			M	H										
28	July 12			M	H							1			
29	July 19			M	H		1				1				
30	July 26			M	H										
31	August 2			M	H							1			
32	August 9			M	H										
33	August 16			M	H										
34	August 23			M	H										
35	August 30			M	H							1			
36	September 6			M	H										
37	September 13			M	H										
38	September 20				H										
39	September 27				H										
40	October 4				H										
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Oranges (Citrus)

Week	Midpoint Date	Crop Stage				Acephate	Azinphos Methyl	Chlorpyrifos	Diazinon	Dimethoate	Ethion	Fenamiphos	Malathion	Methidathion	Naled
		P	E	M	H										
Total Pounds (Al) Applied:					81	17	282,946	13	29,632	601	9,846	35,737	18,057	3,825	
Total Acre Treatments:					149	14	69,775	19	15,674	15?	5,104	3,594	6,154	3,074	
Application Rate (lbs ai/Acre), SCV counties 1998:					0.54	1.21	4.06	0.66	1.89	40.08?	1.93	9.94	2.93	1.24	
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (174,314):					0	0	0.40028	0	0.0899	0	0.0293	0.0206	0.0353	0.0176	
1	January 4		E												
2	January 11		E												
3	January 18		E												
4	January 25		E												
5	February 1		E												
6	February 8														
7	February 15														
8	February 22														
9	March 1														
10	March 8						5								
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3										1				
19	May 10														
20	May 17							5	1					2	
21	May 24													2	
22	May 31								1			1		1	
23	June 7						1				1		1		
24	June 14								1						
25	June 21						1					1			
26	June 28										1		1		
27	July 5						1		1						
28	July 12														
29	July 19					1									
30	July 26						1								
31	August 2									5					
32	August 9								1				1		
33	August 16						1								
34	August 23										1	1	1		
35	August 30														
36	September 6														
37	September 13					4									
38	September 20														
39	September 27			M								1			
40	October 4			M											
41	October 11			M							1	1	1		
42	October 18			M	H										
43	October 25			M	H										
44	November 1			M	H										
45	November 8			M	H										
46	November 15			M	H										
47	November 22				H										
48	November 29				H										
49	December 6				H										
50	December 13														
51	December 20														
52	December 27														

Crop Stages and Pesticide Use for Plums (Prunes)

Week	Midpoint Date	Crop Stage				Azinphos	Chlorpyrifos	Diazinon	Methidathion	Methyl Parathion	Phosmet				
		P	E	M	H										
Total Pounds (Al) Applied:					1,053	18,216	14,518	12,356	15,140	18,782					
Total Acre Treatments:					776	9,675	7,538	6,008	10,636	7,632					
Application Rate (lbs ai/Acre), SCV counties 1998:					1.36	1.88	1.93	2.06	1.42	2.46					
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (35,555):					0.0218	0.27211	0.21201	0.16898	0.29914	0.21465					
1	January 4		E			1		1							
2	January 11		E					1	1						
3	January 18		E			1	1	1							
4	January 25		E			1									
5	February 1		E			1	1	1							
6	February 8		E												
7	February 15		E												
8	February 22							1							
9	March 1														
10	March 8														
11	March 15														
12	March 22														
13	March 29														
14	April 5														
15	April 12					1			1						
16	April 19					1				1					
17	April 26					1			1						
18	May 3					1									
19	May 10						1		1	1					
20	May 17			M		1				1					
21	May 24			M	H				1						
22	May 31			M	H										
23	June 7			M	H				1						
24	June 14			M	H										
25	June 21			M	H										
26	June 28			M	H					1					
27	July 5			M	H										
28	July 12			M	H		1			1					
29	July 19			M	H										
30	July 26			M	H										
31	August 2				H										
32	August 9				H										
33	August 16				H										
34	August 23				H										
35	August 30				H										
36	September 6				H										
37	September 13				H										
38	September 20				H										
39	September 27				H										
40	October 4														
41	October 11														
42	October 18														
43	October 25														
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20					1									
52	December 27														

Crop Stages and Pesticide Use for Peaches (Stone Fruits)

Week	Midpoint Date	Crop Stage				Azinphos Methyl	Chlorpyrifos	Diazinon	Fenamiphos	Methidathion	Methyl Parathion	Naled	Phosmet		
		P	E	M	H										
Total Pounds (Al) Applied:					727	20,580	19,056	319	3,398	9,766	1	33,082			
Total Acre Treatments:					442	10,827	10,103	192	1,957	6,901	10	12,852			
Application Rate (lbs ai/Acre), SCV counties 1998:					1.65	1.90	1.89	1.66	1.74	1.42	0.12	2.57			
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (36,229):					0.0122	0.29885	0.27887	0.005	0.054	0.19048	0	0.35474			
1	January 4		E				1	1		1					
2	January 11		E							1					
3	January 18		E				1	1		1					
4	January 25		E				1	1							
5	February 1		E							1					
6	February 8		E				1								
7	February 15		E					1							
8	February 22														
9	March 1														
10	March 8														
11	March 15														
12	March 22								1						
13	March 29														
14	April 5														
15	April 12														
16	April 19														
17	April 26														
18	May 3			M											
19	May 10			M	H								1		
20	May 17			M	H	3				2			1		
21	May 24			M	H	2				1					
22	May 31			M	H			1		1					
23	June 7			M	H								1		
24	June 14			M	H				1						
25	June 21			M	H										
26	June 28			M	H										
27	July 5			M	H								1		
28	July 12			M	H					1	5				
29	July 19			M	H										
30	July 26			M	H										
31	August 2			M	H								1		
32	August 9			M	H										
33	August 16			M	H										
34	August 23			M	H										
35	August 30			M	H				2						
36	September 6			M	H										
37	September 13				H										
38	September 20				H										
39	September 27				H										
40	October 4				H										
41	October 11				H										
42	October 18				H										
43	October 25				H										
44	November 1														
45	November 8								1						
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20						1								
52	December 27									1					

Crop Stages and Pesticide Use for Tomatoes (Fruiting Veg.)

Week	Midpoint Date	Crop Stage				Diazinon	Dimethoate	Malathion	Methidathion	Phorate				
		P	E	M	H									
Total Pounds (Al) Applied:					2,121	4,973	214	2,486	36					
Total Acre Treatments:					2,712	10,836	143	2,913	36					
Application Rate (lbs ai/Acre), SCV counties 1998:					0.78	0.46	1.49	0.85	1.00					
Application Rate (lbs ai/Acre), All California 1998:														
Application Method (%Air, %Ground):														
Total Acre Treatments / Acre Planted (134,416):					0.0202	0.0806	0.001	0.0217	0					
1	January 4	P												
2	January 11	P	E											
3	January 18	P	E											
4	January 25	P	E											
5	February 1	P	E											
6	February 8	P	E											
7	February 15	P	E											
8	February 22	P	E											
9	March 1	P	E			1								
10	March 8	P	E											
11	March 15	P	E											
12	March 22	P	E											
13	March 29	P	E											
14	April 5	P	E											
15	April 12	P	E											
16	April 19	P	E			1			5					
17	April 26	P	E				1							
18	May 3		E	M		1								
19	May 10			M	H	2								
20	May 17			M	H									
21	May 24			M	H									
22	May 31			M	H									
23	June 7			M	H		1							
24	June 14			M	H				1					
25	June 21			M	H		1	2	1					
26	June 28			M	H									
27	July 5			M	H		1	3						
28	July 12			M	H				1					
29	July 19			M	H				1					
30	July 26			M	H		1							
31	August 2			M	H				1					
32	August 9			M	H									
33	August 16			M	H									
34	August 23			M	H									
35	August 30			M	H									
36	September 6				H									
37	September 13				H									
38	September 20				H									
39	September 27				H									
40	October 4				H									
41	October 11				H									
42	October 18				H									
43	October 25				H									
44	November 1				H									
45	November 8				H									
46	November 15				H									
47	November 22				H									
48	November 29				H									
49	December 6				H									
50	December 13				H									
51	December 20				H									
52	December 27				H									

Crop Stages for Cantaloupes (Melons, Cucurbits)

Week	Midpoint Date	Crop Stage				Bensulid e	Diazino n	Dimetho ate	Malathio n	Naled	ODM				
		P	E	M	H										
Total Pounds (Al) Applied:					312	3,217	350	97	292	358					
Total Acre Treatments:					52	6,058	893	62	319	1,012					
Application Rate (lbs ai/Acre), SCV counties 1998:					5.95	0.53	0.39	1.56	0.91	0.35					
Application Rate (lbs ai/Acre), All California 1998:															
Application Method (%Air, %Ground):															
Total Acre Treatments / Acre Planted (30,875):					0.002	0.19621	0.0289	0.002	0.0103	0.0328					
1	January 4														
2	January 11				2										
3	January 18														
4	January 25														
5	February 1	P													
6	February 8	P													
7	February 15	P	E												
8	February 22	P	E												
9	March 1	P	E												
10	March 8	P	E		3										
11	March 15	P	E												
12	March 22	P	E												
13	March 29	P	E												
14	April 5	P	E				2								
15	April 12	P	E				1								
16	April 19	P	E												
17	April 26	P	E				1								
18	May 3	P	E												
19	May 10	P	E												
20	May 17	P	E												
21	May 24	P	E												
22	May 31	P	E				1								
23	June 7	P	E							1					
24	June 14	P	E												
25	June 21	P	E	M											
26	June 28	P	E	M	H	1		5							
27	July 5	P	E	M	H					1					
28	July 12	P	E	M	H	1			3	1					
29	July 19	P	E	M	H		1			2					
30	July 26		E	M	H	1									
31	August 2			M	H										
32	August 9			M	H				1						
33	August 16			M	H										
34	August 23			M	H				1						
35	August 30			M	H										
36	September 6			M	H										
37	September 13			M	H	1									
38	September 20			M	H										
39	September 27			M	H										
40	October 4			M	H										
41	October 11			M	H										
42	October 18			M	H										
43	October 25				H										
44	November 1														
45	November 8														
46	November 15														
47	November 22														
48	November 29														
49	December 6														
50	December 13														
51	December 20														
52	December 27														

Crop Stages for Asparagus

Week	Midpoint Date	Crop Stage				Chlorpyrifos	Disulfoton											
		P	E	M	H													
Total Pounds (Al) Applied:						195	4,730											
Total Acre Treatments:						305	4,671											
Application Rate (lbs ai/Acre), SCV counties 1998:						0.64	1.01											
Application Rate (lbs ai/Acre), All California 1998:																		
Application Method (%Air, %Ground):																		
Total Acre Treatments / Acre Planted (3,677):						0.0829	1.27033											
1	January 4																	
2	January 11																	
3	January 18																	
4	January 25																	
5	February 1																	
6	February 8		E															
7	February 15		E	M														
8	February 22		E	M	H													
9	March 1		E	M	H													
10	March 8		E	M	H													
11	March 15		E	M	H													
12	March 22		E	M	H													
13	March 29		E	M	H													
14	April 5		E	M	H													
15	April 12		E	M	H													
16	April 19		E	M	H													
17	April 26		E	M	H													
18	May 3		E	M	H													
19	May 10		E	M	H													
20	May 17		E	M	H													
21	May 24		E	M	H													
22	May 31		E	M	H													
23	June 7		E	M	H													
24	June 14		E	M	H													
25	June 21			M	H													
26	June 28				H													
27	July 5																	
28	July 12																	
29	July 19																	
30	July 26								1									
31	August 2																	
32	August 9																	
33	August 16								1									
34	August 23							4										
35	August 30																	
36	September 6							1	1									
37	September 13								1									
38	September 20																	
39	September 27																	
40	October 4																	
41	October 11																	
42	October 18								1									
43	October 25																	
44	November 1																	
45	November 8																	
46	November 15																	
47	November 22																	
48	November 29																	
49	December 6																	
50	December 13																	
51	December 20																	
52	December 27																	

Note: More complete application dates for the California assessments are available in Excel format by request from the Pesticide Docket, telephone 703-305-5805.