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02/01/98 341367

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NALED Case #: 0092 AI #: 34401 Analyst: John Faulkner Data years: 1987-96 QUA date: 9-Jan-98
 nated_8.wpd Edits & non-ag revisions: 20-Jan-98

EPA's QUANTITATIVE USAGE ANALYSIS

Site	Acres Grown (000)	Acres Treated (000)		% of Crop Treated		LB AI Applied (000)		Average Application Rate			States of Most Usage	
		Wtd Avg	Est Max	Wtd Avg	Est Max	Wtd Avg	Est Max	lb ai/ acre/yr	#appl / yr	lb ai/ A/appl	(% of total lb ai used on this site)	
Tangerines	24	0	1	1%	3%	0	1	1.0	1.0	1.0	CA 100%	
Grapefruit	194	0	0	0%	0%	0	0	0.5	3.0	0.2	AZ CA FL TX 100%	
Lemons	63	0	0	0%	0%	0	0	1.1	1.0	1.1	CA 100%	
Oranges	770	8	18	1%	2%	14	26	1.8	1.3	1.5	CA AZ 100%	
Quinces	-	-	-	-	-	-	-	-	-	-	-	
Peaches	212	1	2	1%	1%	3	6	3.1	1.0	3.1	CA 94%	
Strawberries	50	3	8	7%	16%	6	15	1.9	2.2	0.8	CA 85%	
Grapes	795	20	43	3%	5%	27	53	1.4	1.2	1.1	CA 100%	
Almonds	429	2	8	1%	2%	7	21	3.0	1.2	2.5	CA 100%	
Walnuts	205	3	8	1%	4%	8	23	2.8	1.9	1.5	CA 100%	
Celery	34	2	6	7%	18%	4	7	1.7	1.8	1.0	CA MI 100%	
Kale	6	-	-	-	-	3	-	-	-	-	-	
Lettuce	268	1	2	0%	1%	4	17	5.2	2.9	1.8	CA 100%	
Spinach	36	0*	0*	0*	0*	0*	0*	-	-	-	-	
Broccoli	107	7	11	6%	10%	8	18	1.2	1.0	1.2	CA 100%	
Brussels Sprouts	4	1	3	28%	83%	4	6	3.9	3.4	1.1	-	

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Peanuts	1,824	0*	0*	0*	0*	0*	0*	-	-	-	(% of total lb ai used on this site)
Safflower	243	22	33	9%	14%	17	25	0.8	1.2	0.7	CA 100%
Soybeans	59,288	0*	0*	0*	0*	0*	0*	-	-	-	-
Rice	2,991	0*	0*	0*	0*	0*	0*	-	-	-	-
Cotton	12,689	90	176	1%	1%	120	250	1.3	1.2	1.1	CA LA 100%
Sugar Beets	1,434	4	8	0%	1%	4	8	0.9	1.0	0.9	CA 88%
Hops	-	-	-	-	-	-	-	-	-	-	-
Mushrooms	-	-	-	-	-	-	-	-	-	-	-
Tobacco	-	-	-	-	-	-	-	-	-	-	-
Livestock	-	-	-	-	-	-	-	-	-	-	-
Dairy	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-
Eating Establishments	-	-	-	-	-	-	-	-	-	-	-
Food Processing & Handling	-	-	-	-	-	-	-	-	-	-	-
Food Storage Facilities	-	-	-	-	-	-	-	-	-	-	-
Total of above:	110,209	200	303 ****	0.2%	0.4%	280	447 ****				
Average of above								1.4			

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Mosquito Abatement Districts (MADS) ***	103,500 [1]	7,000 [2]	12,000	-	12% [3]	700	1,200			0.1
Dogs & Cats						20	30			
Grand Total						1,000	1,422 ****			

COLUMN HEADINGS

Wtd Avg = Weighted average--the most recent years and more reliable data are weighted more heavily.
 Est Max = Estimated maximum, which is estimated from available data.
 Average application rates are calculated from the weighted averages.

NOTES ON TABLE DATA

Usage data covers 1987- 96 for agriculture, and up to 1997 for nonag.
 Calculations of the above numbers may not appear to agree because they are displayed as rounded:
 to the nearest 1000 for acres treated or lb. a.i. (Therefore 0 = < 500)
 to the nearest whole percentage point for % of crop treated. (Therefore 0% = < 0.5%)

0* = Available EPA sources indicate that no usage is observed in the reported data for this site, which implies that there is little or no usage.
 A dash (-) indicates that information on this site is NOT available within EPA or is insufficient to provide an estimate.

** Vegetables, Other includes, artichokes, asparagus, okra, oriental vegetables, rhubarb, and truck garden, which are not registered.
 *** For MADs in terms of:
 [1] Available acres (000) for treatment
 [2] Acre treatments (000)
 [3] % of available acres treated.
 **** Total Est Max = the average of the sum of the weighted averages and estimated maximums.

SOURCES: EPA data (1987-97), USDA (1990-96), and National Center for Food and Agricultural Policy (1992 data).

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This document has been provided to the registrant for comment. The comments will be placed in the docket once they are received.