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4PP

NALED **Case #: 0092** **AI #: 34401** **Analyst: John Faulkner** **Data years: 1987-96** **QUA date: 9-Jan-98**

naled___8.wpd Edits & non-ag revisions: 20-Jan-99

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*	-	-	-	-
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** ****			**280**	**447** ****				
Average of above				**0.2%**	**0.4%**			**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).

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