

Attachment 1: Percent Crop Treated Estimates for the Aldicarb Dietary Exposure and Risk Assessment.

ALDICARB Case #: 140 AI #: 98301 Analyst: John Faulkner Data years: 1988-98 QUA date: December 23, 1999
aldicar9.wpd

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)
Citrus, Other *	55	2	4	4%	7%	7	12	3.5	1.1	3.3	FL 100%
Grapefruit	167	20	33	12%	20%	77	113	3.8	1.3	3.0	FL TX 100%
Lemons	62	0	2	1%	3%	2	5	3.8	-	-	CA 86%
Oranges	888	40	90	5%	10%	150	299	3.8	1.2	3.0	FL 90%
Pecans	469	18	39	4%	8%	55	134	3.1	1.2	2.5	GA MS TX AL 87%
Potatoes	1,433	150	289	10%	20%	400	703	2.7	1.0	2.7	WA FL MI OR 85%
Sweet Potatoes, Yams	82	13	30	15%	37%	17	41	1.4	1.0	1.4	NC TX AL 87%
Beans/Peas, Dry	2,190	25	39	1%	2%	24	67	1.0	1.1	0.9	WA ID MI 84%
Beans/Peas, Green	709	2	5	0%	1%	2	6	1.3	1.0	1.3	WA ID 90%
Sorghum	11,140	10	34	0%	0%	5	18	0.5	1.0	0.4	TX MO AR 82%
Alfalfa	23,701	1	12	0%	0%	1	12	1.3	1.0	1.3	CA MT 90%
Peanuts	1,582	480	749	30%	47%	540	931	1.1	1.1	1.0	GA AL NC VA 87%
Soybeans	63,141	76	136	0%	0%	52	93	0.7	1.0	0.7	SC IL VA AL WA TN 82%

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		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)
Sunflower	2,789	1	2	0%	0%	-	-	-	-	-	
Cotton	12,967	3,500	4,330	27%	33%	2,600	3,271	0.6	1.0	0.6	GA TX CA NC MS AR 68%
Sugar Beets	1,425	130	160	9%	11%	238	387	1.8	1.1	1.7	ID NE WY CO MT 81%
Sugarcane	926	0*	0*	0*	0*	0*	0*	-	-	-	
Coffee		400	-	-	-	550	-	1.4	-	-	Brazil 94%
Tobacco	716	50	81	7%	11%	80	157	1.6	1.0	1.6	NC VA 92%
Total		4,918	5,477			4,800	5,525				

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

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 in EPA sources or is insufficient.

* Citrus, Other includes kumquats, limes, tangelos, and tangerines.

SOURCES: EPA data (1988-98), USDA (1990-97), and National Center for Food and Agricultural Policy (1992 data)

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Site	Acres (000) Grown	Acres (000) Treated		% of Crop Treated		Lb ai (000) Applied		Average Application Rates			States/Regions	
		Wtd Avg	Est Max	Wtd Avg	Est Max	Wtd Avg	Est Max	lb ai/A/yr	# appl/year	lb ai/A/appl		
Grapefruit												
Fresh	165	26	41	16%	25%	122	191	4.7	1.3	3.5	34	FL
Processed	38	6	13	17%	33%	20	38	3.0	1.1	2.7	7	FL TX
Total	203	33	54	16%	26%	142	229	4.3	1.3	3.4	42	FL TX
Oranges												
Fresh	408	27	51	7%	13%	97	182	3.6	1.2	3.0	32	FL
Processed	518	59	120	11%	23%	185	377	3.1	1.1	2.9	64	FL TX
Total	926	86	171	9%	18%	283	559	3.3	1.1	3.0	96	FL TX
COLUMN HEADINGS												
Acres grown applies to the entire US unless indicated with an asterisk () where it applies only to the region specified.												
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												
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%)												
proj = projected. Numbers in italics and indicated with "proj" are projected or include projected amounts.												
SOURCES: EPA data (1988-98), USDA (1990-98), and National Center for Food and Agricultural Policy (1992 data)												
WEFA Group forecasts (1997 data)												