

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%

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

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)
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%
<b>Total</b>		<b>4,918</b>	<b>5,477</b>			<b>4,800</b>	<b>5,525</b>				

**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)



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

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		
<b>Grapefruit</b>												
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
<b>Oranges</b>												
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
<b>COLUMN HEADINGS</b>												
*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.												
<b>NOTES ON TABLE DATA</b>												
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)												