DCPA (Dacthal) Use in California

Date: Thursday, July 24, 2003 To: <u>Harold Coble</u> Agronomist, USDA/ARS/OA Office of Pest Management Policy From: <u>Rick Melnicoe</u> Subject: Re: DCPA (Dacthal)

Harold,

There would be serious problems with a number of minor crops in California. Green onions and cole crops rely on DCPA for weed control. Green onions need a good material because young onions are very poor competitors with weeds. Some of the Chinese Cole crops have few, if any alternatives. DCPA was unavailable for awhile and it was a real problem. I am attaching a <u>use</u> report (Excel chart) for 2001 in CA for DCPA so you can see all the crops that use the chemical.

Rick Melnicoe Director, Western Region Pest Management Center Director, Office of Pesticide Information and Coordination (UC Statewide Pesticide Coordinator) One Shields Avenue University of California Davis, CA 95616-8588 Telephone: (530) 754-8378 FAX: (530) 754-8379

Response to:

Date: Thursday, July 24, 2003 To: <u>Rick Melnicoe</u> From: <u>Harold Coble</u> Subject: DCPA (Dacthal)

I got a call from Jill Bloom of EPA, CRM for DCPA. DCPA is a herbicide used on Cole crops, onions, and some other crops. Apparently there are serious cancer and groundwater issues with this chemical. EPA needs to know if there would be hardships created by cancelling the registration of DCPA. Can you check with the minor crops people in your regions to see what the story is on DCPA use and what alternatives are available and/or used?

Harold Coble

Agronomist, USDA/ARS/OA Office of Pest Management Policy 320 Scott Hall, Box 7608 N.C. State University Raleigh, NC 27695-7608 Voice: 919-513-2124 Fax: 919-515-3928 The production agricultural use of Chorothal-dimethyl (DCPA or Dacthal) on all crops in California in 2001. The measures of use are described in the accompaning table.

Num. of Corp of Site Num. Field Num. Treate Base Acres Treate Cum. Acres Treate Num. Area Num. Treate Num. Area Num. Treate Num. Area Num. Treate Num. Area Num. Area						ſ	Lbs Al/ acre treated				Num. Applications per treated field		
Crop or Site Fields Treated Treated Treated Treated Interact rate rate Nappe field		Num. of	% Base Acres	Base Acres	Cum. Acres	Total Lbs	Med	Min		Num.	Med apps/	Min apps/	Max apps/
BEAN, SUCCULENT 1 0.02 3 3 27 9.00 9.00 9.00 1 1.00 <t< th=""><th>Crop or Site</th><th>Fields</th><th>Treated</th><th>Treated</th><th>Treated</th><th>AI</th><th>rate</th><th>rate</th><th>Max rate</th><th>apps</th><th>field</th><th>field</th><th>field</th></t<>	Crop or Site	Fields	Treated	Treated	Treated	AI	rate	rate	Max rate	apps	field	field	field
BEAN, UNSPECIFIED 1 0.00 1 1 3 3.75 3.75 1 1.00 1.00 1.00 BROCCOLI 1988 14.31 29.080 31.401 85.479 2.25 0.75 6.00 2.277 1.00 1.00 5.00 CABBAGE 182 4.70 1.728 1.814 7.038 3.00 2.21 9.00 2.34 1.00 1.00 5.00 CANULA (RAPE) 2 5.24 1.2 1.23 4.38 3.75 5.00 2 1.00 1.00 5.00 CANULA (RAPE) 2 5.24 1.2 1.46 1.383 4.462 3.00 1.86 5 3.44 1.00 1.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 1.00 1.00 1.00 3.00 3.05 3.75 6.01 13 2.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	BEAN, SUCCULENT	1	0.02	3	3	27	9.00	9.00	9.00	1	1.00	1.00	1.00
BOK CHOY 121 3.78 443 592 2.561 3.00 1.88 9.00 228 1.00 1.00 5.00 CABBAGE 182 4.70 1.728 1.814 7.038 3.00 2.21 9.00 2.74 1.00 1.00 5.00 CANDLA (RAFE) 2 5.24 12 1.3521 2.25 0.75 6.00 4.51 1.00 1.00 1.00 CAULAR (NAFE) 2 5.44 1.146 1.383 4.462 3.00 1.88 6.05 3.24 1.00 1.00 7.00 CHINESE CABBAGE (NAPPA) 165 1.4.21 1.146 1.383 4.462 3.00 1.88 6.05 3.24 1.00	BEAN, UNSPECIFIED	1	0.00	1	1	3	3.75	3.75	3.75	1	1.00	1.00	1.00
BROCCOLI 1,988 14,31 29,080 31,401 85,479 2.25 0.75 6.00 2.277 1.00 1.00 5.00 CABBAGE 122 5.24 12 15.3 4.38 3.75 5.00 2 1.00 1.00 1.00 1.00 CAULIFLOWER 403 7.03 5.345 5.496 13,521 2.25 0.075 6.00 451 1.00 1.00 7.00 CHINESE CABBAGE (NAPPA) 165 14.21 1.146 1.383 4.462 3.00 1.88 524 1.00 1.00 7.00 COLLARD 7 1.11 31 31 149 5.99 2.25 6.01 13 2.00 1.00 3.00 GALCHOY 3 18.55 17 17 100 6.00 6.00 1 1.00 1.00 2.00 GALCON 4 18.68 226 266 855 3.75 3.75 6.00 17 1.00 1.00 1.00 GALCON 4 1.001 4.44	BOK CHOY	121	3.78	443	592	2,561	3.00	1.88	9.00	238	1.00	1.00	5.00
CABBAGE 182 4.70 1.728 1.814 7.038 3.00 2.21 9.00 274 1.00 1.00 5.00 CANDLA (RAPE) 2 5.24 12 12 5.34 3.83 3.75 5.00 2 1.00 1.00 1.00 1.00 2.00 CAULIF(LOWER 403 7.03 5.345 5.496 13.521 2.25 0.75 6.00 451 1.00 1.00 7.00 CHINESE CABBAGE (NAPPA) 165 14.21 1.146 1.383 4.462 3.00 1.88 6.05 324 1.00 1.00 7.00 3.00 6.01 13 2.00 3.00 <	BROCCOLI	1,988	14.31	29,080	31,401	85,479	2.25	0.75	6.00	2,277	1.00	1.00	2.00
CANOLA (RAPE) 2 5.24 12 12 53 4.38 3.75 5.00 2 1.00 1.00 1.00 CALULFLOWER 403 7.03 5.345 5.496 13.521 225 0.75 6.00 451 1.00 1.00 2.00 CHINESE CABBAGE (NAPPA) 165 14.21 1.146 1.383 4.462 3.00 1.88 6.05 324 1.00 1.00 7.00 CHINESE GREENS 1 0.18 2 2 8 3.41 3.41 1 1.00 1.00 1.00 3.00 GAILCN 3 18.55 1.7 1.7 100 6.00 6.00 1 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 3.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	CABBAGE	182	4.70	1,728	1,814	7,038	3.00	2.21	9.00	274	1.00	1.00	5.00
CAULFLOWER 403 7.03 5.345 5.496 13.521 2.25 0.75 6.00 451 1.00 1.00 2.00 CHINESE GREENS 1 0.18 2 2 8 3.41 3.41 3.41 1 1.00 1.00 7.00 COLLARD 7 1.11 31 314 5.99 2.25 6.01 13 2.00 1.00 3.00 GAICHOY 3 18.55 17 17 100 6.00 6.00 10 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 2.00 1.00	CANOLA (RAPE)	2	5.24	12	12	53	4.38	3.75	5.00	2	1.00	1.00	1.00
CHINESE CABBACE (NAPPA) 165 14 21 1,146 1,383 4,462 3.00 1.88 6.05 324 1.00 1.00 7.00 CHINESE GREENS 1 0.18 2 2 8 3.41 3.41 1 1.00 1.00 3.00 GAI CHOY 3 18.55 17 17 100 6.00 6.00 10 2.00 2.00 2.00 GAILON 4 18.08 226 226 655 3.75 5.60 17 1.50 1.00 2.00 2.00 GARLIC 1 0.01 4 4 18 4.50 4.50 4.50 1 1.00 1.00 4.00 KALE 72 6.77 563 564 1.616 2.25 1.50 7.50 98 1.00 1.00 4.00 1.00	CAULIFLOWER	403	7.03	5,345	5,496	13,521	2.25	0.75	6.00	451	1.00	1.00	2.00
CHINESE GREENS 1 0.18 2 2 8 3.41 3.41 1 1.00 1.00 1.00 1.00 COLLARD 7 1.11 31 31 149 5.99 2.25 6.01 13 2.00 1.00 3.00 GAI CHOY 3 18.55 17 17 170 6.00 6.00 10 2.00 4.00	CHINESE CABBAGE (NAPPA)	165	14.21	1,146	1,383	4,462	3.00	1.88	6.05	324	1.00	1.00	7.00
COLLARD 7 1.11 31 31 149 5.99 2.25 6.01 13 2.00 1.00 3.00 GAI CHOY 3 18.55 17 17 100 6.00 6.00 6.00 10 2.00 2.00 2.00 GAI LON 4 18.08 226 226 226 855 3.75 6.00 17 1.50 1.00 1.00 2.00 GALLC 1 0.01 4 4 4 8.450 4.50 4.50 1 1.00 1.00 1.00 4.00 GALLC 7 6.63 5.64 1.616 2.25 1.50 7.50 98 1.00 1.00 1.00 4.00 KALE 7 0.03 3.48 48 48 18 1.88 1.88 1.88 1.81 1.00 1.	CHINESE GREENS	1	0.18	2	2	8	3.41	3.41	3.41	1	1.00	1.00	1.00
GAI CHOY 3 18.55 17 17 100 6.00 6.00 10 2.00 2.00 2.00 GAI LON 4 18.08 226 226 855 3.75 3.75 6.00 17 1.50 1.00 2.00 GARLIC 1 0.01 4 4 18 4.50 4.50 4.50 4.50 4.50 1 1.00 1.00 1.00 1.00 1.00 1.00 4.00 KALE 72 6.77 563 564 1.616 2.25 1.50 7.50 98 1.00 1.00 4.00 KOHLRABI 38 3.48 48 48 161 3.00 3.00 4.50 39 1.00 1.00 1.00 LEEK 9 1.63 35 36 99 2.63 2.25 2.25 2 2.100 1.00 1.00 1.00 LETTUCE, LEAF 2 0.02 28 28 64 2.25 2.25 2.25 2 1.00 1.00 1.00 1.00 </td <td>COLLARD</td> <td>7</td> <td>1.11</td> <td>31</td> <td>31</td> <td>149</td> <td>5.99</td> <td>2.25</td> <td>6.01</td> <td>13</td> <td>2.00</td> <td>1.00</td> <td>3.00</td>	COLLARD	7	1.11	31	31	149	5.99	2.25	6.01	13	2.00	1.00	3.00
GAI LON 4 18.08 226 226 855 3.75 3.75 6.00 17 1.50 1.00 2.00 GARLIC 1 0.01 4 4 18 4.50 4.50 4.50 1 1.00 1.00 1.00 4.00 KALE 72 6.77 563 564 1.616 2.25 1.50 7.50 98 1.00 1.00 4.00 KOHLRABI 38 3.48 48 48 161 3.00 3.00 4.50 39 1.00 1.00 4.00 LEEK 9 1.63 35 36 99 2.63 2.50 6.00 17 1.00 1.00 1.00 LETTUCE, IEAF 2 0.02 28 28 64 2.25 2.25 2 1.00 1.00 4.00 N-GRNHS FLOWER 1 0.005 1 1 6 4.80 4.80 4.81 1.00 1.00 1.00 1.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 <td>GAI CHOY</td> <td>3</td> <td>18.55</td> <td>17</td> <td>17</td> <td>100</td> <td>6.00</td> <td>6.00</td> <td>6.00</td> <td>10</td> <td>2.00</td> <td>2.00</td> <td>2.00</td>	GAI CHOY	3	18.55	17	17	100	6.00	6.00	6.00	10	2.00	2.00	2.00
GARLIC 1 0.01 4 4 18 4.50 4.50 4.50 1 1.00 1.00 1.00 KALE 72 6.77 563 564 1.616 2.25 1.50 7.50 98 1.00 1.00 4.00 KALE 9 1.63 35 36 99 2.63 2.50 6.00 17 1.00 1.00 3.00 LETTUCE, HEAD 1 0.00 8 8 144 1.88 1.88 1.8 1 1.00 1.00 3.00 LETTUCE, IEAF 2 0.02 28 28 64 2.25 2.25 2 1.00 1.00 1.00 MUSTARD 7 0.59 36 36 168 5.99 1.50 6.01 14 1.00 1.00 1.00 1.00 N-OUTDR FLOWER 42 1.72 291 327 1.481 4.50 3.13 15.00 83 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 <t< td=""><td>GAI LON</td><td>4</td><td>18.08</td><td>226</td><td>226</td><td>855</td><td>3.75</td><td>3.75</td><td>6.00</td><td>17</td><td>1.50</td><td>1.00</td><td>2.00</td></t<>	GAI LON	4	18.08	226	226	855	3.75	3.75	6.00	17	1.50	1.00	2.00
KALE 72 6.77 563 564 1,616 2.25 1.50 7.50 98 1.00 1.00 4.00 KOHLRABI 38 3.48 48 48 161 3.00 4.50 39 1.00	GARLIC	1	0.01	4	4	18	4.50	4.50	4.50	1	1.00	1.00	1.00
KOHLRABI 38 3.48 48 48 161 3.00 3.00 4.50 39 1.00 1.00 1.00 LEEK 9 1.63 35 36 99 2.63 2.50 6.00 17 1.00 1.00 3.00 LETTUCE, HEAD 1 0.00 8 8 14 1.88 1.88 1.88 1 1.00 1.00 1.00 MUSTARD 7 0.59 36 36 168 5.99 1.50 6.01 14 1.00 1.00 4.00 N-OUTDR FLOWER 1 0.05 1 1 6 4.80 4.80 4.80 1 1.00 1.00 1.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 35.32.8 4.41 1 1.00 1.00 1.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 35.32.8 4.41 1 1.00 1.00 3.00 ONION, QRY 183 10.80 6.548 6.640 37.	KALE	72	6.77	563	564	1,616	2.25	1.50	7.50	98	1.00	1.00	4.00
LEEK 9 1.63 35 36 99 2.63 2.50 6.00 17 1.00 1.00 3.00 LETTUCE, HEAD 1 0.00 8 8 14 1.88 1.88 1.88 1 1.00	KOHLRABI	38	3.48	48	48	161	3.00	3.00	4.50	39	1.00	1.00	1.00
LETTUCE, HEAD 1 0.00 8 8 14 1.88 1.88 1 1.00 1.00 1.00 LETTUCE, LEAF 2 0.02 28 28 64 2.25 2.25 2.25 2 1.00 1.00 1.00 MUSTARD 7 0.59 36 36 168 5.99 1.50 6.01 14 1.00 1.00 4.00 N-GRNHS FLOWER 1 0.05 1 1 6 4.80 4.80 1 1.00 1.00 4.00 N-OUTDR FLOWER 42 1.72 291 327 1.481 4.50 1.13 15.00 83 1.00 1.00 6.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 3.85 3.28 4.41 1 1.00<	LEEK	9	1.63	35	36	99	2.63	2.50	6.00	17	1.00	1.00	3.00
LETTUCE, LEAF 2 0.02 28 28 64 2.25 2.25 2 1.00 1.00 1.00 MUSTARD 7 0.59 36 36 168 5.99 1.50 6.01 14 1.00 1.00 4.00 N-GRNHS FLOWER 1 0.05 1 1 6 4.80 4.80 4.80 1 1.00 1.00 1.00 N-OUTDR FLOWER 42 1.72 291 327 1,481 4.50 1.13 15.00 83 1.00 1.00 6.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 3.85 3.28 4.41 1 1.00 <td< td=""><td>LETTUCE, HEAD</td><td>1</td><td>0.00</td><td>8</td><td>8</td><td>14</td><td>1.88</td><td>1.88</td><td>1.88</td><td>1</td><td>1.00</td><td>1.00</td><td>1.00</td></td<>	LETTUCE, HEAD	1	0.00	8	8	14	1.88	1.88	1.88	1	1.00	1.00	1.00
MUSTARD 7 0.59 36 36 168 5.99 1.50 6.01 14 1.00 1.00 4.00 N-GRNHS FLOWER 1 0.05 1 1 6 4.80 4.80 4.80 1 1.00 <td>LETTUCE, LEAF</td> <td>2</td> <td>0.02</td> <td>28</td> <td>28</td> <td>64</td> <td>2.25</td> <td>2.25</td> <td>2.25</td> <td>2</td> <td>1.00</td> <td>1.00</td> <td>1.00</td>	LETTUCE, LEAF	2	0.02	28	28	64	2.25	2.25	2.25	2	1.00	1.00	1.00
N-GRNHS FLOWER 1 0.05 1 1 6 4.80 4.80 4.80 1 1.00 1.00 1.00 N-OUTDR FLOWER 42 1.72 291 327 1,481 4.50 1.13 15.00 83 1.00 1.00 6.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 3.85 3.28 4.41 1 1.00 3.00 ONION, GREEN 133 24.23 1,426 1,515 7,449 4.50 2.25 9.00 212 1.00 <	MUSTARD	7	0.59	36	36	168	5.99	1.50	6.01	14	1.00	1.00	4.00
N-OUTDR FLOWER 42 1.72 291 327 1,481 4.50 1.13 15.00 83 1.00 1.00 6.00 N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 3.85 3.28 4.41 1 1.00 1.00 1.00 1.00 0.00 ONION, DRY 183 10.80 6,548 6,640 37,487 6.00 3.00 7.50 210 1.00 1.00 3.00 0.00 0.00 9.00 2.25 9.00 212 1.00 1.00 5.00 5.00 2.01 1.00 1.00 5.00 5.00 2.25 9.00 2.12 1.00 1.00 1.00 5.00 5.00 2.25 9.00 2.12 1.00	N-GRNHS FLOWER	1	0.05	1	1	6	4.80	4.80	4.80	1	1.00	1.00	1.00
N-OUTDR PLANTS IN CONTAINERS 1 0.00 2 2 6 3.85 3.28 4.41 1 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 3.00 0.00 0.00 0.00 0.00 3.00 7.50 210 1.00 1.00 3.00 3.00 0.00 3.00 7.50 210 1.00 1.00 3.00 3.00 0.00 9.00 212 1.00 1.00 1.00 5.00 9.00 212 1.00	N-OUTDR FLOWER	42	1.72	291	327	1,481	4.50	1.13	15.00	83	1.00	1.00	6.00
ONION, DRY 183 10.80 6,548 6,640 37,487 6.00 3.00 7.50 210 1.00 1.00 3.00 ONION, GREEN 133 24.23 1,426 1,515 7,449 4.50 2.25 9.00 212 1.00 1.00 5.00 PECAN 1 0.24 5 5 4 0.75 0.75 1 1.00 <	N-OUTDR PLANTS IN CONTAINERS	1	0.00	2	2	6	3.85	3.28	4.41	1	1.00	1.00	1.00
ONION, GREEN13324.231,4261,5157,4494.502.259.002121.001.005.00PECAN10.245540.750.7511.001.001.001.00PEPPER, FRUITING190.651911925742.251.504.50191.001.001.001.00RADISH1816.315715763,9976.003.149.00571.501.001.001.00RAPPINI6721.841,8021,8124,9862.511.1710.50731.001.002.00SPINACH10.0022146.756.756.7511.001.001.00SQUASH, SUMMER50.952329702.252.2561.001.001.00STRAWBERRY10.021010262.632.6311.001.001.001.00COMATO20.0166294.884.892021.001.001.00STRAWBERRY10.021010262.632.631.001.001.001.00COMATO20.0166294.884.894.8021.001.001.00STRAWBERRY10.021010262.632.631.631.0	ONION, DRY	183	10.80	6,548	6,640	37,487	6.00	3.00	7.50	210	1.00	1.00	3.00
PECAN10.245540.750.7511.001.001.00PEPPER, FRUITING190.651911925742.251.504.50191.001.001.001.00RADISH1816.315715763,9976.003.149.00571.501.0011.0011.00RAPPINI6721.841,8021,8124,9862.511.1710.50731.001.002.00SPINACH10.0022146.756.756.7511.001.001.00SQUASH, SUMMER50.952329702.252.2561.001.001.00STRAWBERRY10.021010262.632.632.6311.001.001.00COMATO20.0166294.884.894.8921.001.001.00	ONION, GREEN	133	24.23	1,426	1,515	7,449	4.50	2.25	9.00	212	1.00	1.00	5.00
PEPPER, FRUITING190.651911925742.251.504.50191.001.001.00RADISH1816.315715763,9976.003.149.00571.501.0011.00RAPPINI6721.841,8021,8124,9862.511.1710.50731.001.002.00SPINACH10.0022146.756.756.7511.001.001.00SQUASH20.1266324.883.756.0021.001.001.00SQUASH, SUMMER50.952329702.252.2561.001.001.00STRAWBERRY10.021010262.632.6311.001.001.001.00TOMATO20.0166204.884.894.8921.001.001.00	PECAN	1	0.24	5	5	4	0.75	0.75	0.75	1	1.00	1.00	1.00
RADISH1816.315715763,9976.003.149.00571.501.0011.00RAPPINI6721.841,8021,8124,9862.511.1710.50731.001.002.00SPINACH10.0022146.756.756.7511.001.001.001.00SQUASH20.1266324.883.756.0021.001.001.00SQUASH, SUMMER50.952329702.252.2561.001.001.00STRAWBERRY10.021010262.632.6311.001.001.00TOMATO20.0166204.884.894.8021.001.001.00	PEPPER, FRUITING	19	0.65	191	192	574	2.25	1.50	4.50	19	1.00	1.00	1.00
RAPPINI6721.841,8021,8124,9862.511.1710.50731.001.002.00SPINACH10.0022146.756.756.7511.001.001.001.00SQUASH20.1266324.883.756.0021.001.001.001.00SQUASH, SUMMER50.952329702.252.2561.001.001.00STRAWBERRY10.021010262.632.632.6311.001.001.00TOMATO20.0166204.884.894.8921.001.001.00	RADISH	18	16.31	571	576	3,997	6.00	3.14	9.00	57	1.50	1.00	11.00
SPINACH 1 0.00 2 2 14 6.75 6.75 1 1.00 1.00 1.00 SQUASH 2 0.12 6 6 32 4.88 3.75 6.00 2 1.00 1.00 1.00 1.00 SQUASH, SUMMER 5 0.95 23 29 70 2.25 2.25 6 1.00 1.00 1.00 1.00 STRAWBERRY 1 0.02 10 10 26 2.63 2.63 2.63 1 1.00 1.00 1.00 TOMATO 2 0.01 6 6 20 4.88 4.89 4.89 2 1 0.0 1.00 1.00	RAPPINI	67	21.84	1,802	1,812	4,986	2.51	1.17	10.50	73	1.00	1.00	2.00
SQUASH 2 0.12 6 6 32 4.88 3.75 6.00 2 1.00 1.00 1.00 SQUASH, SUMMER 5 0.95 23 29 70 2.25 2.25 6 1.00 1.00 1.00 1.00 STRAWBERRY 1 0.02 10 10 26 2.63 2.63 2.63 1 1.00 1.00 1.00 TOMATO 2 0.01 6 6 20 4.88 4.89 4.89 2 1.00 1.00 1.00	SPINACH	1	0.00	2	2	14	6.75	6.75	6.75	1	1.00	1.00	1.00
SQUASH, SUMMER 5 0.95 23 29 70 2.25 2.25 6 1.00 1.00 1.00 STRAWBERRY 1 0.02 10 10 26 2.63 2.63 1 1.00	SQUASH	2	0.12	6	6	32	4.88	3.75	6.00	2	1.00	1.00	1.00
STRAWBERRY 1 0.02 10 10 26 2.63 2.63 1 1.00<	SQUASH, SUMMER	5	0.95	23	29	70	2.25	2.25	2.25	6	1.00	1.00	1.00
	STRAWBERRY	1	0.02	10	10	26	2.63	2.63	2.63	1	1.00	1.00	1.00
TOWATO Z U.UI 0 0 29 4.00 4.09 Z 1.00 1.00 1.00	ΤΟΜΑΤΟ	2	0.01	6	6	29	4.88	4.88	4.89	2	1.00	1.00	1.00
TURF/SOD 12 1.38 110 110 1.053 9.00 9.00 10.50 23 1.50 1.00 3.00	TURF/SOD	12	1.38	110	110	1,053	9.00	9.00	10.50	23	1.50	1.00	3.00
TURNIP 7 2.77 75 75 268 6.00 4.13 6.03 14 1.00 1.00 3.00	TURNIP	7	2.77	75	75	268	6.00	4.13	6.03	14	1.00	1.00	3.00
UNCULTIVATED AG 1 0.01 13 13 23 1.80 1.80 1.80 1 1.00 1.00 1.00	UNCULTIVATED AG	1	0.01	13	13	23	1.80	1.80	1.80	1	1.00	1.00	1.00
WATERMELON 1 0.38 50 50 56 1.13 1.13 1 1.00 1.00 1.00	WATERMELON	1	0.38	50	50	56	1.13	1.13	1.13	1	1.00	1.00	1.00

Description of all columns used in the pesticide use table

"Num. of Fields" is the number of fields that were treated with an AI.

- "% Base Acres Treated" is the percent of acres of crop planted, as calculated from the PUR, that were treated one or more times by each active ingredient (AI).

- "Base Acres Treated" is the total number of acres planted that were treated one or more times by each AI.

"Cumulative Acres Treated" is the sum of the acres treated for each application even when the same area was treated more than once.

"Total Lbs AI" is the sum of pounds of each AI used on this crop.

"Med rate" is the median rate of all applications.

"Min rate" is the smallest rate after removing the lowest 2.5% of the rate values.

"Max rate" is the largest rate after removing the highest 2.5% of the rate values.

• "Num. apps." is the number of applications of the AI in the crop. Applications of the same AI to the same field within 2 days is counted as one application.

"Mod anne/field" is the median number of annlications har field. taken over only fields treated with the Al

Data is from Department of Pesticide Regulation's Pesticide Use Report with probable errors in pounds removed. -- 11/19/14

The production agricultural use of Chorothal-dimethyl (DCPA or Dacthal) on all crops in California in 2001. The measures of use are described in the accompaning table.	
ineu apporteiu is une meutan number of applications per netu, taken over only netus treateu with the At.	
- "Min apps/field" is the smallest number of applications per treated field after removing the lowest 2.5% of values.	
"Max apps/field" is the largest number of applications per treated field after removing the highest 2.5% of values	
- "Num. WFE apps" is the number of "whole field equivalent (WFE)" applications. A WFE application is the acres treated divided by acres planted in that field.	
- "Med WFE/ field" is the median number of WFE applications per field, taken over all treated fields	
Min WFE/ field" is the smallest number of WFE applications per treated field after removing the lowest 1.0% of values	
- "Max WFE/ field" is the largest number of WFE applications per treated field after removing the highest 1.0% of values	
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