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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

August 3, 2005

OFFICE OF  
PREVENTION, PESTICIDES, AND  
TOXIC SUBSTANCESMEMORANDUM

**SUBJECT:** Usage Report in Support of Reregistration for the insecticide Rotenone (074002)

**FROM:** Jenna Carter, Botanist  
Science Information & Analysis Branch  
Biological and Economic Analysis Division (7503C)

**THRU:** Steve Jarboe/Jihad Alsadek, Team leaders  
Science Information & Analysis Branch  
Biological and Economic Analysis Division (7503C)

**TO:** Katie Hall, Chemical Review Manager  
Reregistration Branch II  
Special Review and Registration Division (7508C)

Attached is a usage report for the insecticide Rotenone (074002). The report included in this package is electronically-transmitted to Reviewers or Team Members in the Office of Pesticides Programs (OPP) in support of the Reregistration and/or Registration process and designed to help in this chemical's scientific assessments. It can be displayed in various formats (MS Word, Adobe Acrobat), so it is advised to launch or detach each report to view or print from the appropriate program.

For questions, comments and other usage or label use information requests, please contact the name(s) listed on the memorandum header, the **OPP Usage and Label Use Team** (our group e-mail address in Lotus Notes), or some of its members: Jihad Alsadek (308-8140), Jenna Carter (308-8370), Steve Jarboe (308-8105), Sharlita Harris (308-8147), or Rafael Prieto (308-8152). You can also complete the feedback form at your convenience. The Usage and Label Use Team (ULUT) looks forward to hearing from you.

The **Usage** report(s) electronically-transmitted through Lotus Notes links includes:

- SLUA

Attachments:

cc:

## Screening Level Usage Analysis for (Rotenone (074002))

8/3/05

### What is a Screening Level Usage Analysis (SLUA)?

- Available estimates of pesticide usage data for a particular active ingredient that is used on **agricultural** crops in the United States.

### What does it contain?

- Pesticide usage data for a **single** active ingredient only.
- Agricultural use sites (crops) that the pesticide is *reported* to be used on
- Pesticide usage information on the national level for the United States.
- Annual percent of crop treated (**average & maximum**) for each agricultural use site.
- Average annual pounds of the pesticide applied for each agricultural use site.

### What assumptions can I make about the data reported?

- **Average pounds of active ingredient applied** - Values are calculated by merging pesticide usage data sources together; averaging by year, averaging across all years, & then rounding. *Note:* If the estimated value is less than 500, then that value is labeled <500. Estimated values between 500 & <1,000,000 are rounded to 1 significant digit. Estimated values of 1,000,000 or greater are rounded to 2 significant digits.)
- **Average percent of crop treated** - Values are calculated by merging data sources together; averaging by year, averaging across all years, & rounding to the nearest multiple of 5. *Note:* If the estimated value is less than 1, then the value is labeled <1.
- **Maximum percent of crop treated** - Value is the single maximum value reported across all data sources, across all years, & rounded up. *Note:* If the estimated value is less than 2.5, then the value is labeled <2.5.

### What are the data sources used?

- **USDA-NASS** (United States Department of Agriculture's National Agricultural Statistics Service) – pesticide usage data from 1998 to 2003.
- **NCFAP** (National Center for Food and Agricultural Policy) – pesticide usage data from 1997 & is *only* used if data is not available from the other sources.
- **Private pesticide market research** – pesticide usage data from 1998 to 2003.

### What are the limitations to the data?

- Registered/labeled uses may exist but **are not surveyed** by the available data sources.
- Lack of reported usage data for the pesticide on a crop **does not imply** zero usage.
- Usage data on a particular site may be noted in data sources, but **not quantified**. In these instances, no usage would be reported in the SLUA for that use site.
- Non-agricultural use sites (e.g., turf, post-harvest, mosquito control, etc.) are not reported in the SLUA. A separate request must be made to receive these estimates.

### Who do I contact for further information and/or questions on this SLUA?

- (Jenna Carter, Botanist, BEAD)
- ((703)308-8370, Carter.Jenna @epa.gov)

Wednesday, August 3, 2005

Screening Level Estimates of Agricultural Uses of Rotenone (074002)  
Sorted Alphabetically

	Crop	Lbs.A.I	Percent Crop Ttd.	
			Avg.	Max.
1	Alfalfa	<500	<1	<2.5
2	Apples	2,000	<1	<2.5
3	Artichokes	<500	5	5
4	Beans, Green	1,000	<1	<2.5
5	Broccoli	<500	<1	<2.5
6	Cantaloupes	<500	5	10
7	Cauliflower	<500	<1	<2.5
8	Celery	<500	5	5
9	Cherries	<500	<1	<2.5
10	Corn	<500	<1	<2.5
11	Cucumbers	<500	<1	<2.5
12	Grapes	<500	<1	<2.5
13	Hazelnuts (Filberts)	<500	<1	<2.5
14	Lettuce	<500	5	15
15	Oranges	<500	<1	<2.5
16	Peaches	<500	<1	<2.5
17	Pears	<500	<1	<2.5
18	Peas, Green	<500	<1	<2.5
19	Pecans	<500	<1	<2.5
20	Peppers	<500	<1	<2.5
21	Pumpkins	<500	<1	<2.5
22	Sorghum	<500	<1	<2.5
23	Spinach	<500	5	5
24	Squash	1,000	<1	<2.5
25	Strawberries	<500	5	10
26	Sugar Beets	<500	<1	<2.5
27	Sunflowers	<500	<1	<2.5
28	Tomatoes	<500	<1	<2.5
29	Watermelons	<500	<1	<2.5
30	Wheat	<500	<1	<2.5

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All numbers rounded.

'<500' indicates less than 500 pounds of active ingredient.

'<2.5' indicates less than 2.5 percent of crop is treated.