

Lactofen: (128888)
Screening-level Usage Analysis (SLUA)
Date: October 18, 2006

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.
- Available pesticide usage information (i.e., does not include all of the United States).
- Annual percent of crop treated (**average & maximum**) for each agricultural crop.
- Average annual pounds of the pesticide applied for each agricultural crop (i.e., for the states surveyed, not for the entire United States).

What assumptions can I make about the reported data?

- **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 to the nearest multiple of 5. *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 1999 to 2005.
- **Private Pesticide Market Research** – pesticide usage data from 1999 to 2005.
- **NCFAP 97** (National Center for Food and Agricultural Policy), and **NPUD 2002** (National Pesticide Use Database) – insecticide usage data from NCFAP 97, and fungicide and herbicide usage data from NPUD 02, of the CropLife Foundation, are used **only** if data are not available from the other sources.
- **California DPR** data can be requested separately.

What are the data limitations?

- Additional registered uses may exist but are not included because the available surveys do not report usage (e.g., small acreage crops).
- 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, the site would not be reported in the SLUA.
- 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.
- Some sites show some use, even though they are not on the label. This usage could be due to Section 18 requests, existing stocks of the chemical, data collection errors, experimental use permit (EUP), and/or because of an illegal use.

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

- BEAD Analyst: Arthur Grube (Phone number: 703-308-8095)
- Reviewer: Jihad Alsadek (Phone number: 703-308-8140)

Screening Level Estimates of Agricultural Uses of Lactofen
Sorted Alphabetically

Crop	Pounds of Active Ingredient	Percent of Crop Treated	Maximum Percent of Crop Treated
Beans, Green	1,000	<1	5
Cotton	8,000	<1	<2.5
Dry Beans/Peas	<500	<1	<2.5
Peanuts	1,000	--	--
Soybeans	70,000	<1	<2.5
Strawberries	<500	<1	<2.5

All numbers rounded.

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

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

'<1' indicates less than 1 percent of crop is treated.

(data years 2000 to 2005)