

California School Pesticide Use Reporting Database

(Used for Measure S4)

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| Brief description of the data set | A California state-wide database containing the records of pesticide use in California schools and child day care facilities. The records include only pesticides applied by licensed commercial pest management services. Each record contains the name of the school, name of the pesticide product, registration number of the pesticide product, sites of application inside or outside the school, amount of product applied, unit of the measure, and the application date and time. A supplementary dataset giving the percentages of active ingredients in each pesticide product was also obtained from the California Department of Pesticide Regulation (DPR). |
| Who provides the data set? | California Department of Pesticide Regulation. |
| How are the data gathered? | As per California pesticide regulations, all businesses engaged in pest control are required to report pesticide use at school sites using a prescribed form to the DPR. More information is available at: http://www.cdpr.ca.gov/docs/legbills/6624fin.pdf . |
| What documentation is available describing data collection procedures? | The form that pest control companies use to report the pesticide use at school sites is available at: http://www.cdpr.ca.gov/docs/enforce/prenffrm/prenf117.pdf . The data reported by pest control companies are aggregated by the DPR and provided for the general public. |
| What types of data relevant for children’s environmental health indicators are available from this database? | Relevant information includes the amount and type of pesticides used at school sites in California by commercial applicators. This information is relevant to determine exposure of school children to pesticides during their time spent inside the school. |
| What is the spatial representation of the database (national or other)? | State (California). |
| Are raw data (individual measurements or survey responses) available? | Yes. The database contains all instances of pesticide use at school sites that are reported to the DPR. The raw data can be obtained directly from DPR. The supplementary data files with data on the contents of each pesticide product are available for download at: http://www.cdpr.ca.gov/docs/label/prodtables.htm . |
| How are database files obtained? | The database files are obtained from DPR through email correspondence. |
| Are there any known data quality or data analysis concerns? | The specific gravity for some pesticides is not reported. The amounts used in different school locations are not reported or reported as zero. The database excludes non-commercial pesticide applications such as by school staff. |
| What documentation is available describing QA procedures? | Not available. |
| For what years are data available? | 2002 – present. |

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| What is the frequency of data collection? | All instances of pesticide use at school and child day care sites by pest management companies need to be reported. The DPR aggregates these data on yearly basis. |
| What is the frequency of data release? | Yearly. |
| Are the data comparable across time and space? | Pesticide use can be compared between years or between schools. |
| Can the data be stratified by race/ethnicity, income, and location (region, state, county or other geographic unit)? | Data can be stratified only by county or at the individual school or child day care facility level. No demographic data are included in this database, although school ID codes are available so that these data can be matched with California or federal school population data. |