

# Use Trends of Pesticides on The State's Proposition 65 List of Chemicals that are 'Known to Cause Reproductive Toxicity': Cumulative Acres Treated

[Text files](#) of data are available. The reported cumulative acres treated that are on the State's Proposition 65 list of chemicals that are known to cause reproductive toxicity in the form of birth defects or reproductive harm. Acres treated totals are cumulative, meaning that if a one-acre field was treated three times in a year, the cumulative acres treated would equal three acres. Cumulative acres treated totals include pesticide use reports (PURs) with unit treated equal to acres (A) or square feet (S), the latter of which was converted to acres. PURs with volume (cubic feet, etc.), weight (tons, lbs, etc.), or miscellaneous units (bins, holes, etc.) are not included in the acres treated totals. Most nonagricultural PURs are not required to report acres treated, so the acres treated totals are predominantly agricultural pesticide uses. If pounds were reported for a year but acres treated is zero, then the pesticide use was non-agricultural. The total for acres treated may be less than the sum of the table rows because the total is adjusted to prevent the overcounting of acreage for pesticide products with more than one active ingredient. Values greater than one are rounded. For more information, see Pesticide Use Annual Report Data Access, References, and Definitions [Guide](#).

| Chemical                 | 2014      | 2015      | 2016      | 2017      | 2018      | 2019      | 2020      | 2021      | 2022      | 2023      |
|--------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1080                     | 4         | 0         | 4         | 22        | 77        | 90        | 159       | 46        | 430       | 0         |
| Abamectin                | 2,335,405 | 2,340,388 | 2,437,991 | 2,718,916 | 2,724,450 | 2,650,121 | 2,573,124 | 2,389,480 | 2,184,110 | 2,065,853 |
| Aggregated adjuvant data | 943       | 313       | 38        | 0         | 23        | 88        | 43        | 12        | 108       | 0         |
| Amitraz                  | 316       | 88        | 450       | 101       | 1,152     | 22        | 0         | 457       | 0         | 246       |
| Arsenic pentoxide        | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Arsenic trioxide         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Atrazine                 | 15,404    | 14,537    | 17,237    | 16,831    | 14,021    | 16,864    | 16,411    | 12,246    | 12,619    | 11,647    |
| Benomyl                  | 0         | 0         | 0         | 0         | 2         | 4         | < 1       | 0         | 0         | 0         |
| Bromacil, lithium salt   | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Bromoxynil octanoate     | 118,306   | 133,866   | 119,794   | 121,732   | 111,227   | 108,153   | 124,096   | 126,104   | 107,413   | 116,364   |
| Carbaryl                 | 108,805   | 136,319   | 116,667   | 106,725   | 99,823    | 98,844    | 108,678   | 108,335   | 106,094   | 107,957   |
| Carbon disulfide         | < 1       | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| Chlordecone              | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         |

| <b>Chemical</b>                           | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>2023</b> |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Chlorpyrifos                              | 1,108,167   | 829,326     | 641,560     | 691,173     | 432,121     | 6,999       | 7,489       | 2,759       | 167         | 263         |
| Chromic acid                              | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Cyanazine                                 | 0           | < 1         | < 1         | 0           | < 1         | < 1         | 3           | 0           | 0           | 31          |
| Cycloate                                  | 19,124      | 21,088      | 23,495      | 23,962      | 20,943      | 23,472      | 21,461      | 20,866      | 20,296      | 19,437      |
| Dinocap                                   | 0           | 0           | 0           | 73          | 0           | 0           | < 1         | 0           | 0           | 18          |
| Dinoseb                                   | 450         | 67          | 0           | 16          | 28          | 0           | 50          | 63          | 0           | 0           |
| Diocetyl phthalate                        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Disodium<br>cyanodithioimido<br>carbonate | 0           | 300         | 831         | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Endrin                                    | 0           | 0           | 0           | 0           | 0           | 0           | 4           | 0           | 0           | 0           |
| Eptc                                      | 89,126      | 91,525      | 100,883     | 104,142     | 91,173      | 74,744      | 72,473      | 52,168      | 57,474      | 48,720      |
| Ethylene dibromide                        | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Ethylene glycol                           | 158,378     | 202,923     | 246,422     | 145,270     | 116,009     | 144,895     | 109,517     | 126,720     | 113,280     | 195,091     |
| Ethylene glycol<br>monomethyl ether       | 35,902      | 38,633      | 30,087      | 27,520      | 19,799      | 14,081      | 9,859       | 2,548       | 3,502       | 2,327       |
| Ethylene oxide                            | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Fluazifop-butyl                           | 2           | 0           | 0           | 4           | 31          | 0           | 141         | 18          | 45          | 49          |
| Heptachlor                                | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Hydramethylnon                            | 1,653       | 5,307       | 6,854       | 5,877       | 3,170       | 5,279       | 4,672       | 6,002       | 3,882       | 1,615       |
| Linuron                                   | 76,353      | 70,944      | 74,474      | 72,510      | 70,651      | 71,453      | 70,960      | 66,330      | 65,962      | 63,586      |
| Metam-sodium                              | 24,424      | 24,254      | 19,437      | 17,423      | 20,139      | 22,626      | 21,752      | 17,697      | 18,249      | 13,237      |
| Methanol                                  | 0           | 0           | 23          | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Methyl bromide                            | 16,599      | 12,796      | 59,534      | 6,051       | 5,602       | 5,605       | 5,932       | 5,786       | 5,851       | 6,288       |
| Metiram                                   | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 6           | 0           |
| Molinate                                  | < 1         | 1           | < 1         | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Myclobutanil                              | 564,796     | 545,289     | 528,431     | 478,048     | 421,696     | 410,863     | 350,679     | 320,187     | 289,009     | 280,168     |
| Nabam                                     | 0           | 0           | 6           | 10          | 1           | 0           | 0           | 0           | 0           | 0           |

| <b>Chemical</b>                  | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>2023</b> |
|----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Nicotine                         | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Nitrapyrin                       | 0           | 0           | < 1         | 0           | 34          | 478         | 0           | 247         | 0           | 28          |
| Oxadiazon                        | 1,239       | 1,777       | 1,067       | 1,151       | 1,074       | 653         | 418         | 834         | 699         | 561         |
| Oxydemeton-methyl                | 9,096       | 7,355       | 7,883       | 3,555       | 3,111       | 17          | 0           | < 1         | < 1         | 0           |
| Oxytetracycline hydrochloride    | 1           | 0           | 52,727      | 52,787      | 43,688      | 33,396      | 31,804      | 25,986      | 22,507      | 18,439      |
| Oxythioquinox                    | 0           | 0           | 7           | 0           | 2           | 0           | 0           | 0           | 1           | 5           |
| Phenylmercuric acetate           | < 1         | 0           | 0           | 0           | 0           | < 1         | 0           | 0           | 0           | 0           |
| Potassium dichromate             | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Propargite                       | 104,758     | 88,343      | 87,430      | 106,446     | 98,031      | 101,832     | 94,838      | 64,925      | 73,861      | 63,752      |
| Propazine                        | 0           | 0           | 0           | 0           | 0           | 0           | 113         | 0           | 0           | 0           |
| Quizalofop-ethyl                 | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Resmethrin                       | 18          | 7           | 3           | 0           | 21          | 0           | 205         | 6           | 4           | 0           |
| Simazine                         | 165,261     | 118,823     | 112,998     | 91,759      | 84,393      | 67,714      | 45,815      | 46,211      | 40,411      | 25,150      |
| Sodium dichromate                | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Sodium dimethyl dithio carbamate | 0           | 0           | 6           | 10          | 1           | 0           | 0           | 0           | 0           | 0           |
| Streptomycin sulfate             | 39,705      | 40,745      | 67,881      | 51,655      | 47,892      | 44,483      | 42,670      | 34,262      | 37,617      | 37,121      |
| Sulfur dioxide                   | 535         | 777         | 400         | 1,396       | 546         | 439,708     | 117         | 129         | 75          | 10,937      |
| Tau-fluvalinate                  | 5,363       | 5,195       | 5,577       | 4,590       | 4,099       | 3,414       | 3,597       | 3,390       | 3,938       | 5,345       |
| Thiophanate-methyl               | 134,978     | 120,198     | 129,797     | 184,092     | 202,281     | 224,322     | 165,839     | 150,898     | 110,324     | 191,865     |
| Triadimefon                      | 1,282       | 2,042       | 1,208       | 1,529       | 1,897       | 1,436       | 926         | 392         | 420         | 329         |
| Trichloro ethylene               | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Triforine                        | 3           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| Vinclozolin                      | 5           | 10          | 6           | 18          | 13          | 3           | 1           | 6           | 1           | 6           |
| Warfarin                         | 435         | 556         | 534         | 189         | 189         | 692         | 210         | 124         | 738         | 306         |
| Total                            | 5,137,776   | 4,854,105   | 4,891,777   | 5,035,501   | 4,639,432   | 4,572,438   | 3,883,896   | 3,585,247   | 3,279,201   | 3,286,742   |