

The Top Five Commodities by Pounds Applied in each County in 2022

[Text files](https://files.cdpr.ca.gov/pub/outgoing/pur/data/) of data are available at <<https://files.cdpr.ca.gov/pub/outgoing/pur/data/>>. The ranking of commodities (sites) is determined by total pounds of chemicals used. 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. Application counts (Apps) include only agricultural pesticide uses. A zero under Apps or Acre Treated therefore means that the pounds applied were nonagricultural uses. Values are rounded. N-outdoor = Outdoor nursery. N-grnhs = Greenhouse nursery. See Pesticide Use Annual Report Data Access, References, and Definitions Guide for more information.

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|---------|-------------------------|----------------|-------|--------------|
| Alameda | Structural pest control | 97,158 | <0.01 | <0.01 |
| Alameda | Grape, wine | 45,185 | 4,046 | 31,829 |
| Alameda | Landscape maintenance | 33,496 | <0.01 | <0.01 |
| Alameda | Water (industrial) | 32,652 | <0.01 | <0.01 |
| Alameda | Rights of way | 26,479 | <0.01 | <0.01 |
| Alpine | Forest, timberland | 136 | 23 | 502 |
| Alpine | Structural pest control | 114 | <0.01 | <0.01 |
| Alpine | Water area | 47 | 4 | 40 |
| Alpine | Rights of way | 5 | <0.01 | <0.01 |
| Alpine | Landscape maintenance | 3 | <0.01 | <0.01 |
| Amador | Grape, wine | 98,061 | 4,234 | 46,556 |
| Amador | Rights of way | 7,460 | 1 | 3 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|---------------------|--------------------------|-----------------------|-------------|---------------------|
| Amador | Forest, timberland | 4,832 | 103 | 1,505 |
| Amador | Landscape maintenance | 2,061 | <0.01 | <0.01 |
| Amador | Walnut | 1,842 | 84 | 1,691 |
| Butte | Rice | 1,212,776 | 8,406 | 711,701 |
| Butte | Walnut | 806,324 | 18,992 | 759,300 |
| Butte | Almond | 270,586 | 9,131 | 364,187 |
| Butte | Uncultivated ag | 152,546 | 172 | 4,686 |
| Butte | Prune | 96,983 | 1,243 | 53,264 |
| Calaveras | Forest, timberland | 32,517 | 618 | 13,282 |
| Calaveras | Grape, wine | 12,994 | 853 | 7,450 |
| Calaveras | Rights of way | 12,577 | 15 | 136 |
| Calaveras | Landscape maintenance | 10,441 | <0.01 | <0.01 |
| Calaveras | Rangeland | 5,844 | 44 | 4,915 |
| Colusa | Almond | 404,687 | 11,175 | 594,422 |
| Colusa | Walnut | 225,217 | 4,590 | 240,706 |
| Colusa | Rice | 223,106 | 2,260 | 151,925 |
| Colusa | Tomato, processing | 203,603 | 3,979 | 200,261 |
| Colusa | Rights of way | 46,114 | 325 | 11,001 |
| Contra Costa | Tomato, processing | 85,251 | 1,079 | 42,206 |
| Contra Costa | Grape, wine | 77,440 | 2,172 | 22,386 |
| Contra Costa | Landscape maintenance | 44,960 | <0.01 | <0.01 |
| Contra Costa | Rights of way | 35,102 | 34 | 54 |
| Contra Costa | Structural pest control | 27,673 | <0.01 | <0.01 |
| Del Norte | Soil fumigation/preplant | 77,374 | 33 | 273 |
| Del Norte | N-outdr flower | 44,709 | 1,892 | 13,080 |
| Del Norte | Forest, timberland | 11,876 | 258 | 5,013 |
| Del Norte | Structural pest control | 425 | <0.01 | <0.01 |
| Del Norte | Rights of way | 216 | <0.01 | <0.01 |
| El Dorado | Forest, timberland | 116,796 | 1,864 | 34,967 |
| El Dorado | Grape, wine | 47,824 | 3,132 | 27,344 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|-----------|-------------------------|----------------|--------|--------------|
| El Dorado | Rights of way | 30,976 | 8 | 9 |
| El Dorado | Apple | 16,735 | 339 | 1,870 |
| El Dorado | Landscape maintenance | 15,389 | <0.01 | <0.01 |
| Fresno | Almond | 6,804,166 | 78,839 | 4,250,037 |
| Fresno | Tomato, processing | 4,148,655 | 7,115 | 785,940 |
| Fresno | Grape | 3,467,880 | 44,456 | 1,302,736 |
| Fresno | Grape, wine | 1,869,775 | 11,904 | 800,504 |
| Fresno | Pistachio | 1,605,632 | 24,994 | 2,092,167 |
| Glenn | Walnut | 518,341 | 11,930 | 414,555 |
| Glenn | Almond | 435,065 | 10,057 | 593,178 |
| Glenn | Rice | 283,602 | 2,768 | 198,870 |
| Glenn | Olive | 74,397 | 1,436 | 41,877 |
| Glenn | Uncultivated ag | 39,635 | 650 | 17,874 |
| Humboldt | Forest, timberland | 27,856 | 1,284 | 24,954 |
| Humboldt | Structural pest control | 3,904 | <0.01 | <0.01 |
| Humboldt | Commodity fumigation | 1,512 | <0.01 | <0.01 |
| Humboldt | N-grnhs flower | 1,393 | 848 | 2,120 |
| Humboldt | Rights of way | 860 | <0.01 | <0.01 |
| Imperial | Alfalfa | 880,585 | 23,910 | 1,518,829 |
| Imperial | Bermudagrass | 729,163 | 2,132 | 162,557 |
| Imperial | Carrot | 640,182 | 2,042 | 101,934 |
| Imperial | Sugarbeet | 507,035 | 3,646 | 260,153 |
| Imperial | Rights of way | 393,480 | <0.01 | <0.01 |
| Inyo | Rights of way | 13,826 | <0.01 | <0.01 |
| Inyo | N-grnhs flower | 440 | <0.01 | 530 |
| Inyo | Alfalfa | 360 | 13 | 711 |
| Inyo | Structural pest control | 353 | <0.01 | <0.01 |
| Inyo | Forage hay/silage | 176 | 2 | 160 |
| Kern | Almond | 7,199,445 | 59,213 | 3,868,985 |
| Kern | Grape | 4,074,367 | 47,577 | 2,015,310 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|-------------|--------------------------|----------------|--------|--------------|
| Kern | Carrot | 2,597,501 | 2,702 | 165,464 |
| Kern | Orange | 2,568,839 | 16,383 | 619,326 |
| Kern | Pistachio | 2,169,847 | 26,159 | 1,875,283 |
| Kings | Tomato, processing | 1,686,612 | 3,683 | 477,088 |
| Kings | Almond | 914,232 | 13,017 | 661,473 |
| Kings | Cotton | 786,876 | 9,377 | 1,728,305 |
| Kings | Soil fumigation/preplant | 770,931 | 2,788 | 511,833 |
| Kings | Pistachio | 745,514 | 13,438 | 825,215 |
| Lake | Grape, wine | 386,355 | 5,240 | 143,600 |
| Lake | Pear | 167,016 | 1,727 | 35,515 |
| Lake | Water area | 10,903 | 4 | 325 |
| Lake | Landscape maintenance | 6,079 | 51 | 252 |
| Lake | Rights of way | 2,677 | 9 | 71 |
| Lassen | Strawberry | 104,533 | 149 | 5,804 |
| Lassen | Alfalfa | 19,302 | 740 | 64,688 |
| Lassen | Forest, timberland | 17,668 | 203 | 11,797 |
| Lassen | Soil fumigation/preplant | 15,438 | 7 | 95 |
| Lassen | Rights of way | 2,710 | 16 | 282 |
| Los Angeles | Structural pest control | 1,080,161 | <0.01 | <0.01 |
| Los Angeles | Carrot | 575,034 | 288 | 23,191 |
| Los Angeles | Rights of way | 193,660 | 4 | 6 |
| Los Angeles | Water (industrial) | 170,605 | <0.01 | <0.01 |
| Los Angeles | Landscape maintenance | 129,664 | 99 | 256 |
| Madera | Almond | 3,592,040 | 47,754 | 2,620,981 |
| Madera | Grape, wine | 1,924,184 | 9,573 | 586,665 |
| Madera | Grape | 1,283,902 | 8,590 | 383,838 |
| Madera | Pistachio | 610,323 | 13,727 | 967,159 |
| Madera | Orange | 170,259 | 1,949 | 69,388 |
| Marin | Landscape maintenance | 28,155 | 33 | 52 |
| Marin | Structural pest control | 19,009 | <0.01 | <0.01 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|-----------|-------------------------|----------------|--------|--------------|
| Marin | Grape, wine | 17,728 | 196 | 1,467 |
| Marin | Water area | 8,163 | <0.01 | 32 |
| Marin | Water (industrial) | 4,520 | <0.01 | 115 |
| Mariposa | Landscape maintenance | 2,745 | <0.01 | <0.01 |
| Mariposa | Rights of way | 1,410 | 1 | 5 |
| Mariposa | Structural pest control | 605 | <0.01 | <0.01 |
| Mariposa | Apple | 121 | 15 | 48 |
| Mariposa | Forest, timberland | 118 | 58 | 158 |
| Mendocino | Lumber, treated | 1,287,801 | <0.01 | <0.01 |
| Mendocino | Grape, wine | 574,725 | 7,430 | 178,075 |
| Mendocino | Pear | 105,305 | 830 | 31,938 |
| Mendocino | Forest, timberland | 14,072 | 478 | 18,975 |
| Mendocino | Structural pest control | 8,346 | <0.01 | <0.01 |
| Merced | Almond | 2,557,307 | 45,107 | 2,327,221 |
| Merced | Tomato, processing | 1,177,754 | 4,981 | 309,718 |
| Merced | Sweet potato | 1,107,084 | 729 | 17,667 |
| Merced | Grape, wine | 607,068 | 3,179 | 235,535 |
| Merced | Cotton | 240,037 | 12,669 | 545,380 |
| Modoc | Potato | 53,656 | 590 | 33,155 |
| Modoc | Alfalfa | 30,422 | 1,947 | 133,956 |
| Modoc | Onion, dry | 15,011 | 372 | 29,098 |
| Modoc | Rights of way | 8,381 | 3 | 450 |
| Modoc | Forest, timberland | 7,590 | 88 | 9,565 |
| Mono | Alfalfa | 2,403 | 59 | 3,080 |
| Mono | Rights of way | 751 | <0.01 | <0.01 |
| Mono | Forage hay/silage | 139 | 6 | 308 |
| Mono | Water (industrial) | 99 | <0.01 | <0.01 |
| Mono | Structural pest control | 17 | <0.01 | <0.01 |
| Monterey | Strawberry | 3,727,311 | 25,547 | 668,194 |
| Monterey | Grape, wine | 1,762,363 | 38,352 | 1,385,217 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|---------------|--------------------------|-----------------------|-------------|---------------------|
| Monterey | Lettuce, leaf | 916,660 | 164,888 | 1,475,467 |
| Monterey | Lettuce, head | 418,034 | 84,229 | 886,800 |
| Monterey | Broccoli | 356,499 | 55,210 | 582,735 |
| Napa | Grape, wine | 1,081,440 | 45,879 | 678,460 |
| Napa | Soil fumigation/preplant | 24,278 | 6 | 74 |
| Napa | Fumigation, other | 12,645 | <0.01 | <0.01 |
| Napa | Landscape maintenance | 10,538 | <0.01 | <0.01 |
| Napa | Structural pest control | 4,859 | <0.01 | <0.01 |
| Nevada | Rights of way | 27,995 | <0.01 | <0.01 |
| Nevada | Grape, wine | 27,850 | 234 | 4,839 |
| Nevada | Landscape maintenance | 9,919 | 7 | 5 |
| Nevada | Forest, timberland | 3,463 | 130 | 2,020 |
| Nevada | Structural pest control | 1,792 | <0.01 | <0.01 |
| Orange | Structural pest control | 434,245 | <0.01 | <0.01 |
| Orange | Landscape maintenance | 112,977 | 9 | 36 |
| Orange | Strawberry | 57,532 | 100 | 845 |
| Orange | Rights of way | 49,463 | 41 | 56 |
| Orange | Water (industrial) | 44,742 | <0.01 | 8 |
| Placer | Rice | 157,141 | 1,280 | 73,133 |
| Placer | Forest, timberland | 55,491 | 332 | 11,307 |
| Placer | Walnut | 51,095 | 1,016 | 48,307 |
| Placer | Almond | 45,357 | 399 | 36,140 |
| Placer | Structural pest control | 42,327 | <0.01 | <0.01 |
| Plumas | Forest, timberland | 85,642 | 516 | 38,782 |
| Plumas | Water (industrial) | 5,089 | <0.01 | <0.01 |
| Plumas | Rights of way | 2,176 | 2 | 6 |
| Plumas | Alfalfa | 1,121 | 21 | 2,432 |
| Plumas | Landscape maintenance | 1,045 | 2 | 4 |
| Riverside | Pepper, fruiting | 534,079 | 3,242 | 82,641 |
| Riverside | Structural pest control | 395,019 | <0.01 | <0.01 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|----------------|-------------------------|----------------|--------|--------------|
| Riverside | Lemon | 350,204 | 2,627 | 96,138 |
| Riverside | Alfalfa | 264,527 | 17,078 | 683,544 |
| Riverside | Grape | 203,120 | 4,659 | 124,724 |
| Sacramento | Grape, wine | 3,192,583 | 16,078 | 670,539 |
| Sacramento | Pear | 677,954 | 3,279 | 133,075 |
| Sacramento | Structural pest control | 89,545 | <0.01 | <0.01 |
| Sacramento | Cherry | 87,088 | 1,655 | 23,509 |
| Sacramento | Landscape maintenance | 55,958 | 37 | 782 |
| San Benito | Grape, wine | 162,560 | 2,913 | 78,583 |
| San Benito | Pepper, fruiting | 140,597 | 1,489 | 30,763 |
| San Benito | Lettuce, leaf | 119,993 | 16,562 | 110,145 |
| San Benito | Broccoli | 48,905 | 3,928 | 29,736 |
| San Benito | Spinach | 29,612 | 6,436 | 41,014 |
| San Bernardino | Structural pest control | 134,048 | <0.01 | <0.01 |
| San Bernardino | Rights of way | 88,006 | 25 | 243 |
| San Bernardino | Landscape maintenance | 74,204 | 48 | 595 |
| San Bernardino | Water (industrial) | 41,462 | <0.01 | <0.01 |
| San Bernardino | Water area | 21,667 | 1 | 2,249 |
| San Diego | Structural pest control | 577,595 | 10 | 2 |
| San Diego | Avocado | 162,915 | 3,111 | 41,191 |
| San Diego | Landscape maintenance | 133,969 | 5 | 78 |
| San Diego | Tomato | 106,709 | 1,718 | 62,707 |
| San Diego | Rights of way | 90,850 | 43 | <0.01 |
| San Francisco | Water (industrial) | 8,900 | <0.01 | <0.01 |
| San Francisco | Golf course turf | 5,579 | <0.01 | 3,236 |
| San Francisco | Structural pest control | 5,516 | <0.01 | <0.01 |
| San Francisco | Landscape maintenance | 3,198 | <0.01 | <0.01 |
| San Francisco | N-grnhs transplants | 1,847 | <0.01 | 1,591 |
| San Joaquin | Grape, wine | 6,144,211 | 41,373 | 1,316,550 |
| San Joaquin | Almond | 1,564,331 | 34,372 | 1,526,016 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|-----------------|--|----------------|--------|--------------|
| San Joaquin | Walnut | 824,927 | 23,129 | 805,838 |
| San Joaquin | Tomato, processing | 725,424 | 5,509 | 280,036 |
| San Joaquin | Cherry | 433,181 | 16,094 | 261,206 |
| San Luis Obispo | Strawberry | 1,223,055 | 8,867 | 326,569 |
| San Luis Obispo | Grape, wine | 763,622 | 19,358 | 621,544 |
| San Luis Obispo | Carrot | 176,840 | 380 | 24,306 |
| San Luis Obispo | Lemon | 66,888 | 935 | 27,522 |
| San Luis Obispo | Chinese cabbage (napa, wong bok, celery cabbage) | 53,865 | 3,393 | 17,609 |
| San Mateo | Structural pest control | 69,519 | 2 | 2 |
| San Mateo | Brussels sprout | 46,133 | 823 | 9,665 |
| San Mateo | Landscape maintenance | 38,622 | 115 | 71 |
| San Mateo | Rights of way | 12,856 | <0.01 | <0.01 |
| San Mateo | Public health | 10,997 | <0.01 | <0.01 |
| Santa Barbara | Strawberry | 3,624,183 | 28,147 | 902,086 |
| Santa Barbara | Grape, wine | 909,778 | 11,761 | 510,819 |
| Santa Barbara | Carrot | 394,147 | 1,049 | 56,500 |
| Santa Barbara | Lemon | 113,961 | 1,694 | 19,596 |
| Santa Barbara | Avocado | 109,477 | 1,922 | 26,453 |
| Santa Clara | Structural pest control | 212,896 | 8 | 55 |
| Santa Clara | Pepper, fruiting | 155,154 | 1,639 | 40,946 |
| Santa Clara | Water (industrial) | 62,916 | <0.01 | <0.01 |
| Santa Clara | Landscape maintenance | 46,572 | 85 | 101 |
| Santa Clara | Grape, wine | 28,824 | 1,123 | 12,427 |
| Santa Cruz | Strawberry | 659,665 | 5,590 | 117,078 |
| Santa Cruz | Raspberry | 244,612 | 2,262 | 30,105 |
| Santa Cruz | Blackberry | 109,627 | 3,092 | 30,436 |
| Santa Cruz | Brussels sprout | 78,995 | 697 | 12,320 |
| Santa Cruz | Structural pest control | 64,625 | <0.01 | <0.01 |
| Shasta | Forest, timberland | 105,175 | 1,807 | 58,261 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|------------|--------------------------|----------------|--------|--------------|
| Shasta | Soil fumigation/preplant | 44,027 | 12 | 127 |
| Shasta | Rights of way | 40,823 | 23 | 692 |
| Shasta | Water (industrial) | 14,168 | <0.01 | <0.01 |
| Shasta | Walnut | 13,128 | 818 | 21,489 |
| Sierra | Rights of way | 1,709 | <0.01 | <0.01 |
| Sierra | Forest, timberland | 868 | 42 | 516 |
| Sierra | Alfalfa | 276 | 36 | 2,172 |
| Sierra | Grain | 52 | 3 | 189 |
| Sierra | Forage hay/silage | 34 | 4 | 120 |
| Siskiyou | Soil fumigation/preplant | 1,176,542 | 167 | 3,286 |
| Siskiyou | Potato | 127,974 | 841 | 41,563 |
| Siskiyou | Strawberry | 51,108 | 1,556 | 51,256 |
| Siskiyou | Forest, timberland | 44,308 | 650 | 22,460 |
| Siskiyou | Alfalfa | 38,617 | 1,954 | 115,122 |
| Solano | Grape, wine | 307,569 | 3,587 | 89,508 |
| Solano | Almond | 223,254 | 3,536 | 258,456 |
| Solano | Tomato, processing | 208,481 | 3,275 | 138,602 |
| Solano | Rights of way | 89,341 | 4 | 2,614 |
| Solano | Walnut | 62,392 | 2,212 | 82,407 |
| Sonoma | Grape, wine | 2,082,541 | 56,383 | 1,049,040 |
| Sonoma | Landscape maintenance | 62,811 | 6 | 9 |
| Sonoma | Structural pest control | 50,698 | <0.01 | <0.01 |
| Sonoma | Apple | 38,176 | 700 | 4,655 |
| Sonoma | Soil fumigation/preplant | 26,814 | 5 | 81 |
| Stanislaus | Almond | 3,829,258 | 64,318 | 3,060,165 |
| Stanislaus | Walnut | 520,939 | 12,722 | 396,510 |
| Stanislaus | Grape, wine | 381,283 | 2,121 | 92,661 |
| Stanislaus | Tomato, processing | 235,653 | 1,272 | 67,071 |
| Stanislaus | Sweet potato | 138,569 | 58 | 1,893 |
| Sutter | Rice | 732,647 | 5,622 | 423,295 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|-----------------|--------------------------|-----------------------|-------------|---------------------|
| Sutter | Walnut | 510,633 | 11,681 | 363,003 |
| Sutter | Peach | 298,634 | 6,319 | 96,104 |
| Sutter | Tomato, processing | 189,239 | 1,439 | 80,959 |
| Sutter | Uncultivated ag | 164,261 | 791 | 39,377 |
| Tehama | Walnut | 483,342 | 16,435 | 409,356 |
| Tehama | Almond | 145,681 | 4,421 | 189,207 |
| Tehama | Uncultivated ag | 120,285 | 1,206 | 10,823 |
| Tehama | Soil fumigation/preplant | 82,110 | 22 | 237 |
| Tehama | Rights of way | 56,275 | 54 | 673 |
| Trinity | Forest, timberland | 27,281 | 440 | 16,484 |
| Trinity | Rights of way | 5,598 | <0.01 | <0.01 |
| Trinity | N-outdr transplants | 95 | 2 | 15 |
| Trinity | Unknown | 51 | 3 | 32 |
| Trinity | Landscape maintenance | 15 | <0.01 | <0.01 |
| Tulare | Orange | 5,370,783 | 77,820 | 1,413,460 |
| Tulare | Grape | 2,262,461 | 25,750 | 1,001,592 |
| Tulare | Almond | 2,182,940 | 26,237 | 1,346,498 |
| Tulare | Tangerine | 1,819,311 | 23,587 | 481,164 |
| Tulare | Pistachio | 884,344 | 19,041 | 1,112,077 |
| Tuolumne | Forest, timberland | 20,365 | 529 | 10,971 |
| Tuolumne | Rights of way | 13,120 | 13 | 9 |
| Tuolumne | Landscape maintenance | 9,362 | <0.01 | <0.01 |
| Tuolumne | Structural pest control | 962 | <0.01 | <0.01 |
| Tuolumne | Water area | 303 | <0.01 | 50 |
| Ventura | Strawberry | 3,602,882 | 19,758 | 844,563 |
| Ventura | Lemon | 1,217,579 | 11,749 | 195,775 |
| Ventura | Avocado | 245,883 | 6,127 | 68,982 |
| Ventura | Pepper, fruiting | 196,531 | 3,582 | 67,354 |
| Ventura | Blackberry | 141,122 | 5,993 | 57,083 |
| Yolo | Grape, wine | 1,816,974 | 11,790 | 371,315 |

| County | Commodity or Site | Pounds Applied | Apps | Acre Treated |
|---------------|--------------------------|-----------------------|-------------|---------------------|
| Yolo | Tomato, processing | 509,193 | 4,690 | 288,531 |
| Yolo | Almond | 313,415 | 5,585 | 351,402 |
| Yolo | Walnut | 149,322 | 2,389 | 86,366 |
| Yolo | Rice | 141,133 | 645 | 56,363 |
| Yuba | Rice | 439,158 | 4,717 | 282,052 |
| Yuba | Walnut | 253,193 | 5,078 | 205,696 |
| Yuba | Prune | 95,003 | 1,180 | 40,299 |
| Yuba | Peach | 71,038 | 2,224 | 26,059 |
| Yuba | Soil fumigation/preplant | 62,930 | 15 | 176 |