

Table 4. Chemicals Used and Expenditures: 1974

Farms With Sales of \$2,500 and Over

| | Insects on hay crops | | | Insects on other crops | | | Nematodes in crops | | | Diseases in crops and orchards | | | Weeds or grass in crops | | |
|---|---------------------------|-----------|------------------------|-------------------------|------------|------------------------|--|-----------|------------------------|---|-----------|------------------------|-------------------------|-------------|------------------------|
| | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) |
| United States, total..... | 82,291 | 3,919,886 | 22,802 | 336,406 | 52,721,755 | 572,947 | 26,884 | 1,754,282 | 28,953 | 36,759 | 4,183,196 | 83,808 | 548,756 | 110,792,607 | 784,020 |
| Value of sales: | | | | | | | | | | | | | | | |
| \$100,000 and over..... | 11,115 | 1,488,408 | 10,836 | 66,356 | 29,407,950 | 379,356 | 5,524 | 1,013,832 | 19,166 | 8,081 | 2,652,222 | 55,886 | 84,652 | 48,683,379 | 402,024 |
| \$40,000 to \$99,999..... | 24,376 | 1,176,381 | 5,869 | 97,976 | 14,870,155 | 119,001 | 7,283 | 442,150 | 5,802 | 8,492 | 863,502 | 15,216 | 167,138 | 37,667,473 | 237,948 |
| \$20,000 to \$39,999..... | 20,348 | 687,976 | 3,328 | 69,605 | 5,345,011 | 44,504 | 6,052 | 180,380 | 2,382 | 6,992 | 378,994 | 6,722 | 131,812 | 15,690,355 | 90,768 |
| \$10,000 to \$19,999..... | 13,499 | 342,701 | 1,658 | 51,594 | 2,100,759 | 19,459 | 4,695 | 79,954 | 1,076 | 5,873 | 175,511 | 3,453 | 88,839 | 6,055,193 | 36,395 |
| \$5,000 to \$9,999..... | 8,275 | 153,245 | 755 | 32,368 | 715,070 | 7,408 | 2,380 | 27,935 | 374 | 4,296 | 70,982 | 1,632 | 50,442 | 2,006,746 | 12,506 |
| \$2,500 to \$4,999..... | 4,678 | 71,175 | 356 | 18,507 | 282,810 | 3,218 | 950 | 10,031 | 153 | 3,025 | 41,985 | 900 | 25,873 | 689,461 | 4,379 |
| Farms by Standard Industrial Classification | | | | | | | | | | | | | | | |
| Cash grain farms (011)..... | 22,988 | 779,973 | 3,968 | 115,652 | 26,178,603 | 175,517 | 4,167 | 514,459 | 4,456 | 5,080 | 971,295 | 7,535 | 254,921 | 68,525,456 | 443,903 |
| Cotton farms (0131)..... | 864 | 95,485 | 957 | 13,471 | 4,386,587 | 81,307 | 744 | 165,198 | 2,077 | 730 | 159,081 | 1,990 | 12,973 | 5,015,693 | 48,183 |
| Tobacco farms (0132)..... | 1,596 | 15,143 | 107 | 32,982 | 670,583 | 13,902 | 9,730 | 167,413 | 3,778 | 870 | 22,220 | 380 | 14,162 | 623,889 | 6,554 |
| Other field crop farms (0133, 0134, 0139)..... | 5,999 | 761,975 | 5,529 | 18,333 | 4,048,355 | 79,634 | 3,700 | 336,529 | 6,474 | 3,834 | 608,153 | 9,752 | 21,691 | 5,487,976 | 56,235 |
| Vegetable and melon farms (016) | 433 | 41,722 | 472 | 7,957 | 1,528,698 | 46,873 | 1,144 | 139,157 | 3,634 | 2,542 | 350,006 | 10,083 | 6,783 | 1,509,205 | 20,744 |
| Fruit and tree nut farms (017)..... | 540 | 19,150 | 153 | 21,167 | 2,253,235 | 71,374 | 2,068 | 111,382 | 3,554 | 15,079 | 1,525,600 | 44,679 | 11,617 | 1,174,389 | 14,511 |
| Horticultural specialty farms (018)..... | 111 | 3,457 | 22 | 6,563 | 165,873 | 6,875 | 711 | 21,324 | 1,516 | 2,098 | 51,983 | 2,799 | 3,485 | 181,252 | 3,241 |
| General farms, primarily crop (0191)..... | 3,863 | 257,673 | 1,595 | 13,252 | 1,916,875 | 25,991 | 1,670 | 116,918 | 1,761 | 1,788 | 170,566 | 2,959 | 18,014 | 3,416,484 | 25,866 |
| Livestock farms, except dairy, poultry, and animal specialty (021)..... | 23,758 | 1,017,896 | 4,988 | 62,792 | 8,266,312 | 48,215 | 1,605 | 111,492 | 1,057 | 2,654 | 221,939 | 2,221 | 109,762 | 16,395,077 | 107,519 |
| Dairy farms (024)..... | 19,904 | 855,733 | 4,654 | 36,656 | 2,626,684 | 17,589 | 784 | 45,789 | 356 | 1,285 | 64,056 | 763 | 81,913 | 6,831,890 | 45,851 |
| Poultry and egg farms (025)..... | 542 | 14,103 | 75 | 2,889 | 244,752 | 2,463 | 325 | 10,331 | 126 | 366 | 13,883 | 318 | 4,988 | 535,539 | 4,234 |
| Animal specialty farms (027)..... | 133 | 4,300 | 21 | 178 | 7,779 | 104 | 10 | 232 | 2 | 38 | 1,332 | 28 | 324 | 19,622 | 163 |
| General farms, primarily livestock (0291)..... | 1,328 | 46,197 | 224 | 3,260 | 344,899 | 2,037 | 99 | 7,326 | 68 | 161 | 9,595 | 108 | 6,527 | 956,720 | 6,029 |
| Not classified by SIC..... | 232 | 7,079 | 36 | 1,254 | 82,520 | 1,066 | 127 | 6,732 | 93 | 234 | 13,487 | 191 | 1,596 | 119,415 | 986 |
| | Weeds or brush in pasture | | | Weeds on all other land | | | Defoliation, growth of crops, or thinning of fruit | | | Insect control in livestock and poultry | | | Other chemicals | | |
| | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) | Farms | Acres | Expenditures (\$1,000) |
| United States, total..... | 44,122 | 4,002,709 | 12,677 | 63,223 | 1,145,513 | 6,516 | 36,553 | 5,174,206 | 34,383 | 131,994 | 18,770 | | 164,932 | | 71,837 |
| Value of sales: | | | | | | | | | | | | | | | |
| \$100,000 and over..... | 5,645 | 1,301,957 | 4,665 | 13,969 | 513,248 | 3,464 | 9,290 | 3,469,595 | 24,347 | 22,866 | 9,974 | | 11,723 | | 13,700 |
| \$40,000 to \$99,999..... | 11,927 | 1,063,154 | 3,270 | 20,789 | 325,997 | 1,595 | 9,124 | 964,914 | 5,785 | 40,822 | 4,474 | | 31,757 | | 24,702 |
| \$20,000 to \$39,999..... | 9,655 | 679,937 | 2,021 | 12,885 | 171,563 | 788 | 7,142 | 432,371 | 2,451 | 28,732 | 2,066 | | 32,276 | | 15,475 |
| \$10,000 to \$19,999..... | 6,957 | 456,647 | 1,298 | 7,718 | 78,185 | 372 | 5,382 | 192,223 | 1,117 | 17,644 | 1,070 | | 29,446 | | 8,948 |
| \$5,000 to \$9,999..... | 5,280 | 275,976 | 781 | 4,672 | 35,110 | 176 | 3,633 | 81,982 | 472 | 12,259 | 655 | | 29,284 | | 5,318 |
| \$2,500 to \$4,999..... | 4,658 | 225,038 | 643 | 3,190 | 21,410 | 120 | 1,982 | 33,121 | 212 | 9,671 | 531 | | 30,446 | | 3,694 |
| Farms by Standard Industrial Classification | | | | | | | | | | | | | | | |
| Cash grain farms (011)..... | 12,205 | 807,228 | 2,490 | 27,281 | 480,722 | 2,388 | 9,376 | 1,361,170 | 7,141 | 27,140 | 2,273 | | 58,031 | | 33,158 |
| Cotton farms (0131)..... | 292 | 40,603 | 169 | 1,232 | 69,081 | 590 | 6,994 | 2,168,358 | 11,986 | 962 | 207 | | 2,751 | | 3,066 |
| Tobacco farms (0132)..... | 724 | 12,194 | 56 | 1,300 | 8,022 | 59 | 4,641 | 64,700 | 1,081 | 3,524 | 218 | | 12,929 | | 2,413 |
| Other field crop farms (0133, 0134, 0139)..... | 1,162 | 129,014 | 732 | 3,626 | 124,332 | 1,038 | 3,862 | 702,877 | 5,687 | 3,319 | 429 | | 6,951 | | 5,011 |
| Vegetable and melon farms (016) | 73 | 2,062 | 14 | 660 | 16,749 | 179 | 542 | 77,595 | 1,021 | 350 | 79 | | 2,920 | | 1,682 |
| Fruit and tree nut farms (017)..... | 168 | 16,843 | 83 | 1,649 | 29,452 | 205 | 3,228 | 234,377 | 3,470 | 499 | 89 | | 7,381 | | 6,088 |
| Horticultural specialty farms (018)..... | 68 | 2,162 | 17 | 619 | 5,334 | 105 | 360 | 6,642 | 276 | 191 | 48 | | 2,749 | | 635 |
| General farms, primarily crop (0191)..... | 1,265 | 107,614 | 381 | 2,206 | 54,245 | 316 | 2,132 | 298,933 | 1,900 | 4,484 | 541 | | 5,218 | | 2,281 |
| Livestock farms, except dairy, poultry, and animal specialty (021)..... | 21,425 | 2,575,372 | 7,703 | 17,797 | 278,772 | 1,192 | 3,080 | 158,464 | 1,061 | 50,810 | 8,582 | | 37,077 | | 11,192 |
| Dairy farms (024)..... | 4,588 | 189,302 | 662 | 5,100 | 54,700 | 313 | 1,758 | 72,301 | 544 | 32,174 | 3,392 | | 22,827 | | 4,577 |
| Poultry and egg farms (025)..... | 936 | 49,009 | 141 | 567 | 6,369 | 34 | 247 | 12,294 | 92 | 4,943 | 2,408 | | 2,468 | | 666 |
| Animal specialty farms (027)..... | 194 | 11,212 | 48 | 159 | 2,198 | 21 | 15 | 1,212 | 7 | 730 | 198 | | 682 | | 165 |
| General farms, primarily livestock (0291)..... | 630 | 29,305 | 95 | 766 | 11,674 | 55 | 180 | 8,577 | 57 | 2,043 | 209 | | 1,709 | | 599 |
| Not classified by SIC..... | 392 | 30,789 | 86 | 261 | 3,863 | 19 | 138 | 6,706 | 60 | 825 | 97 | | 1,239 | | 304 |

that a large proportion of the disease-control chemicals are applied to fruit and nut trees and to a lesser extent to Irish potatoes and sugar beets.

Defoliation, growth control of crops, or thinning of fruit—The 5.1 million acres treated with chemicals for defoliation or for growth control of crops or thinning of fruit was about 1.7 percent

of the harvested cropland. The cost of the chemicals was \$6.65 per acre. Most of the acres treated were on cotton and cash grain farms.

Chemicals for the control of insects on livestock and poultry—The 132,000 farms reporting the use of these chemicals equalled 11 percent of the farms reporting value of livestock and poultry

sold. These farms reported a total of \$19 million in expenditures for the control of insects on livestock and poultry, or about \$142 per farm. The \$19 million in expenditures for the control of insects on livestock and poultry is less than 1 percent of the value of livestock and poultry sold. About three-fourths of the expenditures were on dairy, livestock, and poultry farms.