



Table 5. Average Cost of Chemicals Per Acre Treated: 1974

(Dollars)

Farms With Sales of \$2,500 and Over

United States, total.....

Farms by Standard Industrial Classification

Cash grain farms (011).....
Cotton farms (0131).....
Tobacco farms (0132).....
Other field crop farms (0133, 0134, 0139).....
Vegetable and melon farms (016).....
Fruit and tree nut farms (017).....
Horticulture specialty farms (018).....
General farms, primarily crop (0191).....
Livestock farms, except dairy, poultry, and animal specialty (021).....
Dairy farms (024).....
Poultry and egg farms (025).....
Animal specialty farms (027).....
General farms, primarily livestock (0291).....
Not classified by SIC.....

| | Insects on hay crops | Insects on all other crops | Nema-todes in crops | Diseases in crops and orchards | Weeds or grass in crops | Weeds or brush in pasture | Weeds of other land | Defoliation, growth on or thinning of fruit |
|---|----------------------|----------------------------|---------------------|--------------------------------|-------------------------|---------------------------|---------------------|---|
| United States, total..... | 5.82 | 10.87 | 16.50 | 20.03 | 7.08 | 3.17 | 5.69 | 6.65 |
| Cash grain farms (011)..... | 5.09 | 6.70 | 8.66 | 7.76 | 6.48 | 3.08 | 4.97 | 5.25 |
| Cotton farms (0131)..... | 10.02 | 18.54 | 12.57 | 12.51 | 9.61 | 4.16 | 8.54 | 5.53 |
| Tobacco farms (0132)..... | 7.07 | 20.73 | 22.57 | 17.10 | 10.51 | 4.59 | 7.35 | 16.71 |
| Other field crop farms (0133, 0134, 0139)..... | 7.26 | 19.67 | 19.24 | 16.04 | 10.25 | 5.67 | 8.35 | 8.09 |
| Vegetable and melon farms (016)..... | 11.31 | 30.66 | 26.11 | 28.81 | 13.74 | 6.79 | 10.69 | 13.16 |
| Fruit and tree nut farms (017)..... | 7.99 | 31.68 | 31.91 | 29.29 | 12.36 | 4.93 | 6.96 | 14.81 |
| Horticulture specialty farms (018)..... | 6.36 | 41.45 | 71.09 | 53.84 | 17.88 | 7.86 | 19.69 | 41.55 |
| General farms, primarily crop (0191)..... | 6.19 | 13.56 | 15.06 | 17.35 | 7.57 | 3.54 | 5.83 | 6.36 |
| Livestock farms, except dairy, poultry, and animal specialty (021)..... | 4.90 | 5.83 | 9.48 | 10.01 | 6.56 | 2.99 | 4.28 | 6.70 |
| Dairy farms (024)..... | 5.44 | 6.70 | 7.77 | 11.91 | 6.71 | 3.50 | 5.72 | 7.52 |
| Poultry and egg farms (025)..... | 5.32 | 10.06 | 12.20 | 22.91 | 7.91 | 2.88 | 5.34 | 7.48 |
| Animal specialty farms (027)..... | 4.88 | 13.37 | 8.62 | 21.02 | 8.31 | 4.28 | 9.55 | 5.78 |
| General farms, primarily livestock (0291)..... | 4.85 | 5.91 | 9.28 | 11.26 | 6.30 | 3.24 | 4.71 | 6.65 |
| Not classified by SIC..... | 5.09 | 12.92 | 13.81 | 14.16 | 8.26 | 2.79 | 4.92 | 8.95 |

Expenditures for insecticides, herbicides, other pesticides, and other chemicals—The \$784 million of expenditures for the

control of weeds and grass in crops accounts for 48 percent of the total expenditures for agricultural chemicals

other than fertilizer and lime used on farms with sales of \$2,500 and over. The \$573 million of expenditures on all other crops except hay represented 35 percent of the total expenditures for chemicals excluding lime and commercial fertilizer.

Table 5 provides the cost per acre for each of the eight groups of crops and pasture by standard industrial classification of farms for the United States.

The average costs of treatment vary significantly from one kind of farm to another and among the various types of treatments. These figures are intended to represent only the annual average cost of the chemicals per acre. They do not represent the per-acre cost of an application of a particular chemical. For many crops, one application may have been all that was necessary; for others, numerous applications were necessary.