

Table 4. Average Cost of Insecticides, Herbicides, Other Pesticides, and Other Chemicals Per Acre of Land Treated: 1969

| | Average costs per acre (dollars) for control of— | | | | | | |
|---|--|----------------------------|--------------------|--------------------------------|--------------------------|----------------------------|---|
| | Insects on hay crops | Insects on all other crops | Nematodes in crops | Diseases in crops and orchards | Weeds and grass in crops | Weeds and brush in pasture | Defoliation growth of crops, or thinning of fruit |
| Total..... | 3.98 | 7.45 | 13.68 | 13.41 | 4.07 | 1.95 | 4.00 |
| Cash-grain..... | 3.84 | 3.33 | 5.94 | 3.00 | 3.40 | 2.08 | 3.17 |
| Tobacco..... | 5.21 | 13.88 | 16.40 | 10.83 | 5.98 | 3.87 | 13.48 |
| Cotton..... | 5.64 | 11.13 | 9.25 | 4.56 | 6.20 | 2.82 | 3.23 |
| Field crop..... | 5.15 | 11.01 | 19.95 | 9.17 | 7.76 | 6.66 | 4.60 |
| Vegetable..... | 7.48 | 22.61 | 20.50 | 20.50 | 9.10 | 5.10 | 7.01 |
| Fruit and nut..... | 7.95 | 24.70 | 32.30 | 20.98 | 9.76 | 2.78 | 10.39 |
| Poultry..... | 3.45 | 8.12 | 13.22 | 13.93 | 4.52 | 2.04 | 4.33 |
| Dairy..... | 3.57 | 4.36 | 7.19 | 7.06 | 4.05 | 2.25 | 4.55 |
| Livestock other than poultry and dairy..... | 3.26 | 3.51 | 7.52 | 4.89 | 3.65 | 1.89 | 3.85 |
| Livestock ranches..... | 2.50 | 6.00 | 8.38 | 10.24 | 2.57 | 1.70 | 3.76 |
| General..... | 4.95 | 9.73 | 12.00 | 8.97 | 4.56 | 2.04 | 3.94 |
| Miscellaneous..... | 5.59 | 21.53 | 46.41 | 23.31 | 11.03 | 2.85 | 12.47 |

The average costs of treatment vary significantly from one type of farm to another and among the various kinds 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, a large number of applications were necessary. The number of applications during the year and the cost of the particular chemical used are the two most important factors in establishing the annual average cost per acre since the cost of application was supposed to have been excluded and reported in machine hire and customwork or in "all other production expenses."

Chemicals for the Control of Insects on Livestock and Poultry

The 352 thousand farms reporting the use of these chemicals equaled 36 percent of the farms reporting the value of livestock and poultry sold. These farms reported a total of \$26.4 million in expenditures for the control of insects on livestock and poultry, or about \$75 per farm in 1969. The \$26.4 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. The data by type of farm show that about three-fourths of the expenditures were on dairy farms, livestock farms, and livestock ranches. These data indicate that most of the cost of livestock and poultry treated for insect control was for dairy and beef cattle.