

PEACHES - Herbicides were applied to 32 percent of the 3,800 acres of peaches trees. Diuron was the leading herbicide applied to peaches at a total amount applied of 900 pounds. This was applied to 18 percent of the peach acreage at a rate of 1.22 pounds per acre. The second largest herbicide used on Pennsylvania peaches was Simazine at 700 pounds.

Insecticides were applied to 86 percent of Pennsylvania's peaches crop. Petroleum distillate was by far the largest insecticide applied to peaches, with a total amount of 8,400 pounds and applied to 10 percent of

Pennsylvania's peaches acreage. The next insecticide was Phosmet at 7,700 pounds.

Fungicides were applied to 85 percent of peaches. Sulfur was the leading fungicide used on peaches as it was applied to 58 percent of Pennsylvania's peaches acreage. The total amount applied was 36,600 pounds, at a rate of 3.60 pounds per acre. The second leading fungicide used was Captan at an amount of 19,100 pounds. This was applied to 71 percent of Pennsylvania's peaches acreage.

Pennsylvania: Peaches - Pesticide, Bearing Acreage, Percent of Area Receiving Applications and Total Applied, 2003

| Crop | Bearing Acreage | Area Receiving and Total Applied | | | | | | | |
|---------|-----------------|----------------------------------|------------|--------------------------|------------|-----------|------------|------------------------------|------------|
| | | Herbicide | | Insecticide ¹ | | Fungicide | | Other Chemicals ² | |
| | | Percent | 1,000 Lbs. | Percent | 1,000 Lbs. | Percent | 1,000 Lbs. | Percent | 1,000 Lbs. |
| Peaches | 3,800 | 32 | 2.9 | 86 | 23.4 | 85 | 70.7 | | |

¹Total Applied excludes Bt's (Bacillus thuringiensis) and other biologicals. Quantities are not available because amounts of active ingredient are not comparable between products. ² Insufficient reports to publish data for one or more pesticide classes.

Pennsylvania: Peaches - Agricultural Chemical Applications, 2003 ¹

| Active Ingredient | Area Applied | Applications | Rate Per Application | Rate Per Crop Year | Total Applied |
|----------------------|--------------|--------------|----------------------|--------------------|------------------|
| | Percent | Number | Pounds Per Acre | | 1,000 Lbs. |
| Herbicides: | | | | | |
| 2,4-D | 9 | 1.1 | 0.61 | 0.67 | 0.2 |
| 2,4-D, Dimeth. salt | 3 | 1.0 | 0.90 | 0.90 | 0.1 |
| Diuron | 18 | 1.0 | 1.22 | 1.33 | 0.9 |
| Glyphosate | 3 | 1.1 | 0.61 | 0.68 | 0.1 |
| Norflurazon | 4 | 1.0 | 1.24 | 1.24 | 0.2 |
| Paraquat | 27 | 1.2 | 0.48 | 0.59 | 0.6 |
| Simazine | 12 | 1.1 | 1.34 | 1.59 | 0.7 |
| Terbcil | 4 | 1.1 | 0.49 | 0.56 | 0.1 |
| Insecticides: | | | | | |
| Azinphos-methyl | 57 | 3.2 | 0.39 | 1.29 | 2.8 |
| Carbaryl | 32 | 1.6 | 0.73 | 1.23 | 1.5 |
| Chlorpyrifos | 13 | 1.1 | 1.28 | 1.45 | 0.7 |
| Clofentezine | 6 | 1.2 | 0.12 | 0.14 | (²) |
| Diazinon | 21 | 2.9 | 0.47 | 1.40 | 1.1 |
| Dimethoate | 6 | 1.3 | 0.82 | 1.13 | 0.2 |
| Endosulfan | 45 | 1.8 | 0.02 | 0.04 | 0.1 |
| Esfenvalerate | 47 | 1.5 | 0.03 | 0.04 | 0.1 |
| Imidacloprid | 25 | 2.0 | 0.34 | 0.70 | 0.7 |
| Methomyl | 9 | 2.6 | 0.08 | 0.20 | 0.1 |
| Petroleum distillate | 10 | 1.0 | 20.27 | 21.06 | 8.4 |
| Phosmet | 73 | 3.6 | 0.77 | 2.77 | 7.7 |
| Fungicides: | | | | | |
| Basic copper sulfate | 5 | 1.0 | 0.70 | 0.71 | 0.1 |
| Captan | 71 | 5.2 | 1.35 | 7.10 | 19.1 |
| Chlorothalonil | 61 | 2.6 | 0.98 | 2.57 | 6.0 |
| Copper hydroxide | 8 | 1.1 | 2.61 | 2.86 | 0.9 |
| Copper oxychloride | 5 | 1.0 | 2.45 | 2.50 | 0.5 |
| Cyprodinil | 5 | 1.6 | 0.10 | 0.17 | (²) |
| Fenbuconazole | 43 | 2.2 | 0.08 | 0.19 | 0.3 |
| Ferbam | 5 | 1.0 | 2.93 | 2.93 | 0.6 |
| Myclobutanil | 26 | 2.8 | 0.04 | 0.12 | 0.1 |
| Oxytetracycline | 12 | 2.9 | 0.12 | 0.37 | 0.2 |
| Propiconazole | 31 | 1.9 | 0.12 | 0.23 | 0.3 |
| Sulfur | 58 | 4.6 | 3.60 | 16.58 | 36.6 |
| Tebuconazole | 16 | 2.5 | 0.07 | 0.18 | 0.1 |
| Thiophanate-methyl | 27 | 2.2 | 0.35 | 0.78 | 0.8 |
| Thiram | 17 | 4.1 | 1.28 | 5.35 | 3.4 |
| Ziram | 7 | 1.5 | 3.53 | 5.35 | 1.4 |

¹ Bearing acres in 2003 for Pennsylvania were 3,800 acres. ² Total applied is less than 50 lbs.