

200 pounds of gypsum. Paris green can be bought for 20 cents per pound. In Black Death it costs \$3.86 per pound.

Potato Bug Finish: "Bug Finish" is another insecticide that is now on sale in various localities. It is sold at the same price as "Black Death." The following is the composition of the sample analysed:

Moisture	12.49
Sand, etc.	17.57
Insoluble organic matter	0.69
Sulphur trioxide	30.47
Calcium oxide	25.79
Carbon dioxide	5.77
Magnesium oxide	1.49
*Paris green	1.06
Iron and aluminum oxides	1.13
Undetermined (water of crystallization, volatile matter, etc.)	3.54
	100.00

One hundred pounds of this mixture contains only a little over one pound of Paris green; the remainder is largely sand and gypsum. The Paris green in it costs \$1.56 per pound.

Kno Bug: The manufacturers of this insecticide claim that it kills the bugs, stimulates the plant, and improves the quality of the crop. It sells in 20-pound boxes at 6 cents per pound. According to our analysis, it has the following composition:

Moisture	10.89
Insoluble matter	10.55
Sulphur trioxide	26.10
Calcium oxide	26.73
Carbon dioxide	11.95
Magnesium oxide	3.09
Iron and aluminum oxides	4.03
Potash, nitrogen-potassium nitrate	4.50
†Paris green	2.49
	100.00

It is essentially crude gypsum with $2\frac{1}{2}$ per cent. of Paris green, and potash and nitrogen equal to about 4.5 per cent. of potassium nitrate. The latter is a valuable plant food; but, as there is only about 25 cents' worth in 100 pounds of the mixture, it does not add very much to its cost.

*Copper oxide, .32 per cent.; Arsenious oxide, .70 per cent.

†Arsenious oxide, 1.46 per cent.