

remainder were treated by thinning out wood only, no laterals or leaders being stopped. All prunings were carefully collected and burned, as well as all mummified fruits, &c., that remained from the previous season's crop. The land was ploughed during the last week in July, 1918, and was given a dressing of 6 cwt. of carbonate of lime per acre during August.

All trees were sprayed in early spring at the "pink" stage, twenty-four rows receiving 8-6-40 bordeaux, the remainder 8-3-66 bordeaux. A severe frost during October destroyed a large percentage of the crop. The weather throughout the growing season, though changeable and somewhat cold at times, was not so congenial for the development and spread of the spores of the brown-rot disease as it was last year. Moist humid conditions were not nearly so prevalent.

Half of the block was sprayed three times during the fruiting season, and the other half was treated five times during the same period. For the purpose of simplifying the perusal of this report, trees sprayed three times during the fruiting-period are set down under the heading of "A" treatment, and the remainder under "B" treatment. Although there are only two trees of each variety, row 1 is a complete test on the same varieties against row 2, row 3 against row 4, and so on right throughout the whole forty-eight rows.

The following tables will show the treatments and the percentage of brown-rot recorded up to and at the time of picking.

*"A" Treatment.*

All trees in this treatment were sprayed three times during the fruiting-period: (1) When majority of blossoms had fallen; (2) when fruit had set; (3) when fruit began to swell prior to ripening.

No. of Row.	Early Spring (Pink) Treatment.	Fruiting-period Treatment.	Percentage of Rot at Time of Picking.
1	Bordeaux, 8-6-40 ..	Lime-sulphur, 1-120 .. ..	1.47
2	" 8-3-66 ..	Atomic sulphur, 8-100 .. ..	3.33
3	" 8-3-66 ..	Lime-sulphur, 1-120 .. ..	5.40
4	" 8-6-40 ..	Sulphur atoms, 8-100 .. ..	4.59
5	" 8-6-40 ..	Lime-sulphur, 1-120 .. ..	1.91
6	" 8-3-66 ..	Self-boiled lime-sulphur, 8-8-50 ..	3.82
7	" 8-3-66 ..	Atomic sulphur, 8-100 .. ..	7.44
8	" 8-6-40 ..	Lime-sulphur, 1-120 .. ..	7.51
9	" 8-6-40 ..	Atomic sulphur, 8-100 .. ..	0.90
10	" 8-3-66 ..	Sulphur atoms, 8-100 .. ..	1.40
11	" 8-3-66 ..	Atomic sulphur, 8-100 .. ..	0.77
12	" 8-6-40 ..	Self-boiled lime-sulphur, 8-8-50 ..	2.98
13	" 8-6-40 ..	Sulphur atoms, 8-100 .. ..	1.53
14	" 8-3-66 ..	Lime-sulphur, 1-120 .. ..	2.63
15	" 8-3-66 ..	Sulphur atoms, 8-100 .. ..	7.54
16	" 8-6-40 ..	Atomic sulphur, 8-100 .. ..	6.95
17	" 8-6-40 ..	Sulphur atoms, 8-100 .. ..	5.45
18	" 8-3-66 ..	Self-boiled lime-sulphur, 8-8-50 ..	4.87
19	" 8-3-66 ..	Self-boiled lime-sulphur, 8-8-50 ..	11.06
20	" 8-6-40 ..	Lime-sulphur, 1-120 .. ..	14.72
21	" 8-6-40 ..	Self-boiled lime-sulphur, 8-8-50 ..	6.83
22	" 8-3-66 ..	Atomic sulphur, 8-100 .. ..	1.72
23	" 8-3-66 ..	Self-boiled lime-sulphur, 8-8-50 ..	3.56
24	" 8-6-40 ..	Sulphur atoms, 8-100 .. ..	0.47