

of applications necessary to control the disease and the periods at which they should be applied to give effective results.

This experiment was made in a grove of the Trapp variety and the trees were in their second or third year of bearing. The fungicide was applied at monthly intervals thruout the season and beyond the period in which the fruit was considered liable to infection. Eight blocks of trees were included in the experiment, and the application of bordeaux varied in seven of these blocks. The 3-3-50 formula was used in the first application and the 4-4-50 in the later ones. The change in formula was not due to necessity, but rather to convenience in regard to some other spraying experiments that were being conducted at the same time. The first application was made into the open bloom near the latter part of the blooming period and was followed by subsequent sprayings at monthly intervals. The following table is explanatory of the sprayings made and of the results obtained.

TABLE 1

BLOCK	Sprayed 3-3-50 Bordeaux	Sprayed 3-3-50 Bordeaux	Sprayed 4-4-50 Bordeaux	Sprayed 4-4-50 Bordeaux	Percent of scab infected fruit	Remarks
1	Mar. 23				25	Slightly infected
2	Mar. 23	Apr. 21			6	
3	Mar. 23	Apr. 21	May 21		9	
4	Mar. 23	Apr. 21	May 21	June 22	4	Slightly infected
5 <sup>a</sup>		Apr. 21	May 21	June 22	9	
6		Apr. 21	May 21		20	
7		Apr. 21			63	Badly infected
8	Not sprayed	Not sprayed	Not sprayed	Not sprayed	92	Very badly infected

On August 1, 100 fruits were examined from each block and carefully inspected for scab. The results as tabulated above indicate the effectiveness of bordeaux mixture for keeping the disease in check. One application made in the bloom materially reduced the amount of scab over that found on the unsprayed trees, as indicated by Block 1. However, this block was located at one corner of the field, bordering on the road, and the trees

<sup>a</sup>By mistake a majority of the trees in this block were sprayed (March 23) into the bloom, which accounts for the low percentage of scab on the trees in this block.