

PERCENTAGE OF DIFFERENT GRADES OF ALL VARIETIES
IN EXPERIMENTAL ORCHARD, IN 1917.

TABLE NO. 3.

Variety	Per Cent. of Different Grades on Portion Sprayed by Owner.			Per Cent. of Different Grades on Portion Sprayed by Department.		
	No. 1	No. 2	No. 3's & Culls	No. 1	No. 2	No. 3's & Culls
Grav.....	28.9	4.6	66.5	43.5	9.6	46.9
Ribston.....	53.8	19.4	19.4	77.3	9.	13.7
Kings.....	33.5	19.3	47.2	72.1	13.	14.9
Mann.....	53.8	17.4	28.8			
Wagner.....	37.	25.	38.			
Can. Orange.....	40.8	28.9	30.3			
Pewaukee.....	40.	40.	20.			
Golden Russet.....				20.9	49.3	29.8
Blenheim.....				74.3	11.	14.7
Baldwin.....				66.4	12.9	20.7

It should be noted here that the orchard in question has always received better than average care. Before the infestation of the bug began to make itself felt, it yielded crops considerably above the average. It has always been sprayed for apple scab and biting insects, and the quality of fruit has generally been better than the average in spite of the increasing number of gnarled and twisted fruit due to the work of the bug. The percentage of different grades obtained since 1911, is shown in Table No. 2.

Lastly, a comparison of the different grades of fruit in the orchard treated by us and by the owner, shows a decided advantage in favour of the former, as shown by Table No. 3. This was largely due to the smaller percentage of twisted fruit, as the scab control was about equal. As previously stated, the natural infestation in that part of the orchard treated by the owner was much lighter than in the remainder.

A comparison of the conditions in the experimental orchard in 1918 with those of the previous season is of interest. This year the orchard was not sprayed for the Green Apple Bug. Careful examination of the orchard shows that in the older, larger trees, there is still a considerable infestation, though not quite so severe as formerly, while in the Golden Russet orchard, where it will be remembered the best work was done in 1917, the pest could only be found by searching. The necessity of doing timely, thorough work from the standpoint of future years' infestations, is thus further emphasized.