

lamb could be traced without difficulty throughout the experiment. From October 13th to 16th they were shorn. They were then allowed to go together in a closed shed with yards attached until the latter part of December, although while the weather continued suitable they were pastured on rape during the day. The shed was then divided into four equal compartments, and 25 lambs put in each of these to be fed on different rations. These rations and all the particulars relating to this sub-experiment will be given in connection with the experiment on "feeding shorn and unshorn lambs," to be issued in bulletin form in the near future.

**FOOD AND FEEDING.** From the time of the first weighing until Oct. 13th the lambs were kept on rape all the time. They were then allowed access to the rape only on fine days, and were housed at other times as already mentioned. When inside they received hay, roots and grain until the latter part of December, at which time the experiment was commenced, to which reference has already been made. This sub-experiment continued until April 30th. During its continuance the lambs in one group were fed a mixed grain ration, roots and hay, in a second a grain ration of whole oats with roots and hay, in a third a mixed grain ration with ensilage and hay, and in the fourth a ration similar to that given to the lambs in the first mentioned group, except for a short time at the first. From the close of the sub-experiment until the lambs were shipped on May 11th they were all fed upon a mixed grain ration with roots and hay. The mixed grain throughout the experiment consisted of oats, peas and bran, fed in the proportion of 2, 2 and 1 parts. The oats and peas were all fed unground. The roots consisted of turnips sliced. The hay was all fed uncut. It consisted of clover and timothy. The grain ration was increased in quantity as the season advanced. It will be noticed that the period of pasturing rape was considerably curtailed by the shearing of the lambs, although some rape was carted to them in addition to what they got when pasturing, and this is all accounted for in the computation. The ensilage was fed to but one group of lambs and then only during the continuance of the sub-experiment. The food consumed by the 100 lambs throughout the experiment was as follows :

Oats .....	14,344	lb.
Peas .....	5,099	"
Bran .....	2,594	"
Roots .....	43,560	"
Hay .....	26,587	"
Ensilage .....	9,050	"
Rape, what grew upon 4.52 acres.		

The average daily consumption of food from October 16th