

while the early soiling crops, rye, alfalfa and clover, were comparatively little used. Those who are in need of an early soiling crop, especially for light or gravelly soils, would do well to give alfalfa a trial.

Winter Feeding. Some difficulty has been experienced in obtaining accurate information regarding winter rations, as the majority of farmers do not weigh feed. From the 170 replies, 75 rations have been selected, and are given below. A larger number might have been given, but those selected illustrate fairly well the principal characteristics of Ontario rations, and it has not been deemed advisable to make the list any longer. The weight of the cows has been stated wherever this information has been furnished in the report. It was also thought advisable to include the summer ration, and to state, when possible, the results obtained from the different systems of feeding. It is only fair to say, however, that many of the records do not represent the actual returns from the cows, since no account has been kept of milk, butter and cream consumed by the family, besides milk fed to calves and hogs. The rations given below are not intended as models, but they are worth reading carefully.

Some Ontario rations for dairy cows.

1. PERTH Co. Shorthorns, Jerseys, and Jersey grades. Average weight of cows, 1,000 lbs.

Record: Sold 6,200 lbs. butter from 22 cows.

Winter Ration: 6 lbs. bran, 3 lbs. oil meal, 50 lbs. ensilage, 4 lbs. timothy hay, 4 lbs. oat and vetch hay.

Summer ration: 6 lbs. bran to best cows, fall rye, clover, oats and vetches, and green corn, with pasture,

2. NORTHUMBERLAND Co. Ayrshires. Average weight of cows 1,000 lbs.

Record: 64,734 lbs. milk, and 700 lbs. butter from 11 cows.

Winter ration: 4 lbs. bran, 2 lbs. peas, 2 lbs. oats, 1 lb. oil meal, 24 lbs. timothy and clover hay, and 10 lbs. roots.

Summer ration: 2 to 5 lbs. peas, oats, and bran, equal parts by weight, green peas and oats, and green corn, with pasture.

3. OXFORD Co. Grade Shorthorns and Jerseys. Average weight of cows 900 lbs.

Record: 110,316 lbs. milk, averaging 3.9 per cent. fat, from 20 cows.

Winter ration: 4 lbs. oats, 1 lb. oil meal, 40 lbs. ensilage, 30 lbs. roots, with cut hay and straw.

Summer ration: Green oats and peas, with pasture.

4. DUNDAS Co. Grade, Ayrshires. Average weight of cows 1,000 lbs.

Record: 30 cows averaged \$45 each.

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