

ROTATION "M" (SIX YEARS' DURATION).

First year—Summer-fallow.

Second year—Wheat.

Third year—Coarse grain. Apply manure on stubble in autumn.

Fourth year—Summer-fallow.

Fifth year—Peas and oats for hay.

Sixth year—Barley or oats.

This rotation is being operated at Lethbridge, and is proving profitable. The peas and oats, cut for hay, have given good returns. When it is not desired to grow hoed crops this rotation will prove useful.

ROTATION "S" (NINE YEARS' DURATION).

First year—Summer-fallow. Apply manure in preparation for hoed crop.

Second year—Corn.

Third year—Wheat.

Fourth year—Summer-fallow.

Fifth year—Wheat.

Sixth year—Coarse grain.

Seventh year—Summer-fallow.

Eighth year—Peas and oats for hay. Seed in autumn to rye.

Ninth year—Rye pasture.

At Lethbridge this rotation has proven satisfactory so far. The forage crops have yielded fairly well. The pasture years have not been profitable, but have served to firm the soil and add fibre.

ROTATION "T" (TEN YEARS' DURATION).

First year—Summer-fallow.

Second year—Wheat.

Third year—Oats or barley.

Fourth year—Summer-fallow early part of season. Seed to alfalfa late June in rows twenty-eight inches apart.

Fifth year—Alfalfa hay or seed.

Sixth year—Alfalfa hay or seed.

Seventh year—Alfalfa hay or pasture.

Eighth year—Summer-fallow.

Ninth year—Hoed crop.

Tenth year—Wheat. Apply manure on stubble.

This rotation is in operation at Lethbridge only, where it is proving highly profitable. The crops of roots have been excellent, and good profits have been obtained from alfalfa seed when the crop was planted in rows and intertilled.

ROTATION "L" (SIX YEARS' DURATION).

First year—Hay.

Second year—Pasture. Apply manure in autumn at rate of 12 tons per acre.

Third year—Pasture. Break in July for winter wheat.

Fourth year—Winter wheat, or in case of failure to stand, spring wheat.

Fifth year—Oats.

Sixth year—Barley. Seed down with 4 pounds timothy, 4 pounds alsike clover and 4 pounds red clover per acre.

This is a purely live stock rotation adapted to conditions such as obtain in the central and northern parts of Alberta.