

both in broadcast plots and in rows. Amongst six or seven varieties of grasses, timothy, brome and western rye give good promise.

Vermilion.—The Vermilion School of Agriculture was established in 1913 for the training of farmers' sons and daughters in the principles of practical farming and housekeeping, and for conducting agricultural investigations. The school course is of two years' duration with five months each year. The experimental area consists of twenty acres divided as follows: campus, including buildings, driveways, lawns, trees, shrubs, five acres; experimental area for horticultural and agronomy plots, fifteen acres. On these plots experiments are being conducted in rotation, variety tests and cultural methods of crop production. The investigations began in 1914, and deal with questions that are more or less vital to the districts in central and eastern Alberta. Fairly elaborate experiments on crop management include trials of every common field and garden crop in Alberta under dates, rates, and methods of seeding and harvesting. Many varieties of fruits, shrubs and trees are being tried out in regard to their adaptability to soil and climate. Different varieties and strains of alfalfa, grasses and clovers are being investigated with the object of obtaining crops superior in hardiness and yielding qualities. A considerable amount of work in plant breeding is under way, head and plant selection with cereals, grasses, alfalfas and clovers being followed. Improvement work is in progress with potatoes. Experiments in cultural methods include comparisons in crop yields when grown on spring or fall ploughed stubble, summer-fallow or hoed crop ground, harrowing after crops are up, packer versus no packer, etc. The school produces registered seed for multiplication on the demonstration farms, and experiments are organized amongst students for carrying out on their respective farms.

BRITISH COLUMBIA.

Department of Agriculture.—Experiments are being carried out by the Live Stock and Horticultural branches. The Live Stock branch is conducting experimental work with field crops on a ten-acre plot near Pitt Meadows. The work embraces fertilizer experiments and variety tests on peaty soil. Experimental work with potatoes was conducted on seven one-acre plots. The Horticultural branch is operating demonstration and experimental orchards of five acres each. These orchards are planted and cared for under a co-operative arrangement by the owner of the land and the Department. The agreements cover a five-year period, but in some cases further agreements are being made. The principal object in most cases is to demonstrate the results which may be secured in various districts by the adoption of the best possible methods. In other cases the orchards are used for tests of varieties and work with cover crops, etc. An Experiment Station for small fruits and vegetables has been operated for three years at Summerland, the owner of the property receiving a direct yearly remuneration. This plot is partly on a commercial basis, and does experimental work with varieties, methods