

OATS.

Twelve varieties of oats were tested on a medium to heavy clay loam, in a good state of cultivation. The seed was sown on May 21 at the rate of 3 bushels per acre. There was a good deal of smut in the oat plots, but nevertheless exceedingly good yields were secured.

The highest yields were from the following varieties: Victory, 99 bushels 24 lbs.; Gold Rain, 93 bushels 13 lbs.; Swedish Select, 91 bushels 36 lbs., and Banner, 90 bushels 30 lbs. The average yield of all the varieties was 88 bushels 15 lbs., per acre. Daubeney was the earliest oat to ripen, maturing in 97 days. Victory required 113 days.

Among the best of the well-tried varieties may be mentioned: Banner, Ligowo, Abundance and Swedish Select.

BUCKWHEAT.

Owing to a lack of land the buckwheat plots were not sown in duplicate. Five varieties were sown on plots of one-fortieth acre each. The land was a clay loam in a fair state of fertility. The best yield obtained was from Silver Hull, which gave 20 bushels 40 lbs. per acre. This variety, though not usually a very heavy yielder, is considered the best for flour, and many farmers use it for poultry in preference to the other sorts.

FIELD CROPS OF SEED GRAIN.

About 12 acres were sown to wheat, oats and barley. All seed thus grown will be hand-picked and thoroughly cleaned during the winter and will be for sale in small quantities of from 2 to 3 bushels to each farmer at reasonable prices. Great care is taken to insure good seed of high quality and true to type. The following table gives the results obtained from the fields:—

No. of Acres.	Variety.	Date of Seeding.	Date of Ripening.	Total Yield.		Yield per Acre.	
				Bush.	Lbs.	Bush.	Lbs.
1½	Wheat—Red Fife.....	May 22.....	Sept. 21. . .	53	—	35	5
1½	—Huron (bearded)	" 22.....	" 16. . .	41	30	27	40
3	Oats—Ligowo	" 22.....	" 10.....	158	20	52	29
2	—Abundance	" 23.....	" 13.....	137	22	68	28
2	—Banner.....	" 23.....	" 13.....	142	—	71	—
1	Barley—Manchurian.....	June 3	" 17.....	53	17	53	17
1	—Fr. Chevalier.....	" 3. . .	" 17.....	54	28	54	28

With our plot grain, taking last year as a standard, and counting it as 100, this year's crops figured on a percentage basis stand at 118.3.

EXPERIMENTAL STATION, KENIVILLE, N.S.

W. S. Blair, Superintendent.

April was cold and backward. The rainfall during May was light. Cool, cloudy days, however, with no warm drying winds during the first half of May kept the land wet, and, except on very dry places, land was not fit to work until the 16th. From this date to the end of the month the weather was fine and dry for seeding. The first seeding was done on the 20th. The temperature during June was slightly below normal. There was a light frost on June 4, which was much more severe at other points in the valley than at this station, however, no injury to grain was reported. Early-seeded