

NOTES ON THE RESULTS OF THE SECOND YEAR'S TESTING OF IMPORTED CEREALS.

In the College Report for 1887 details were given concerning experiments carried on during the previous summer with a large number of varieties of oats, barleys, and pease, imported from European countries. We have repeated the tests this season, and the yield in every case, except one, was greater than that obtained from the first year's crop.

Barleys.—We had under experiment seven varieties of barley; three from Scotland, three from England, and one from Germany. They were grown in the old experimental field, and on the same range in which barley tests were conducted in 1887. The quantity of seed sown on each plot of 1-10 acre was 9.5 lbs. The ground was in good condition, the grain was sown broadcast and harrowed in.

By looking at last year's report we find that the Probesteier Gerste took the lead at this station, and the Chevalier came out first among the samples sent over the Province. The above table shows the Chevalier to again take the lead while the Probesteier is the only variety whose yield is smaller than that of last year. The second place this season is claimed by the common two-rowed barley of Scotland, and the third by the Golden Melon of England.

The following table shows the results, arranged according to yield per acre:—

Variety.	Imported from.	Yield (bush. per acre).
Chevalier	Scotland	50.8
Common	"	45.3
Golden Melon	England	41.6
Peerless White	"	40.9
Empress	"	40.5
Probsteier	Germany	36.9
Sterlingshire	Scotland	36.7

Oats.—Nine varieties of oats have been tested for the second season. Although the seed was rather light owing to the very dry summer of 1887, still the oats did very well. They were sown in the new experimental field on which cereals were grown last year. The seed, as in the case of the barley, was sown broadcast and harrowed in. The quantity of seed was $3\frac{1}{2}$ lbs. on each 1-20 acre plot.

The Probsteier Hafer claims the same place this year that it held last, namely, that of being first. The yield of grain this summer from this variety is 17 per cent. more than that from the next best. This is a variety of much promise, and after another year's testing we hope to distribute small lots to farmers over Ontario. The Race-horse which did poorly before, probably owing to late sowing, as was stated last year, has done well this season. The chief objection to this variety is in its having rather weak straw, with a tendency to lodge. The Potato oats did well both years and is one of the best varieties. The Black Tartarian and the Hamilton take an intermediate position, while the Tam Findlay, Hopetown, Sandy and Blainslie came pretty low, the last two of which may probably be dropped out of the trial next season.

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Probsteier...
Race-horse...
Potato.....
Hamilton...
Black Tartaria...
Tam Findlay...
Hopetown....
Sandy.....
Blainslie.....