

NORTH ISLAND.—MARTON PLOTS.

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These Marton plots have been utilized, in the first place, for the purpose of making such tests as were possible without the employment of much time or labour, or any special treatment in the way of deep cultivation; and, secondly, to harvest and acclimatize a small lot of various seeds recently introduced from other countries by the Department, so as to obviate their reimportation should co-operative experimenters not be successful in securing a good foundation stock from their small trials.

The following is a list of the seeds imported for Marton plots. The initial stocks were tested and grown on Marton plots, and parcels are now procurable on the market, or are obtainable from growers.

Wheats from Australia: Federation, Yandilla King, Comeback, Power's Fife, Tarragon, John Brown.

Wheats from Sweden: Grenadier, Swedish Pearl.

Wheats from Canada: Imperial Amber, Turkey Red, White Fife, Red Fife.

Oats from Sweden: Victory, White Ligowo, Beardless Propsteier.

Oats from England: Triumph.

Barley from Sweden: Hannchen, Swan-neck.

Federation, one of the first wheats introduced, is now largely grown in the Rangitikei, and on many farms has ousted the variety formerly grown—viz., Marshall White. Many of the others are doing very well, and the Canadian, which are the most recent varieties introduced, are highly spoken of by those who grew them last season.

Oats: Both varieties did well in the Wairarapa last season, and all the seed procurable has been resown, there being considerable demand for it.

Barleys: Hannchen is well spoken of, and was being advertised by the trade for the first time this season since its introduction. Swan-neck has proved the better for feeding purposes on the trial plots this season. Unfortunately, the stock of seed has nearly run out. The situation, however, is saved by the fact that a small area will be harvested on Marton plots this season.

CROPS GROWN ON VARIOUS PLOTS DURING SEASONS 1910-11.

Plot.	Crop.	Yield.	Plot.	Crop.	Yield.
<i>Season 1910-11.</i>					
1	Yandilla King wheat ..	39½ bushels.	17	Algerian oats ..	39 bushels.
1X	John Brown wheat ..	34½ bushels.	18	White Ivory peas ..	19½ bushels.
2	Red Marvel wheat ..	22 bushels.	19	Oats and peas ..	1 ton 16 cwt. 2 qr. chaff.
3	Solid Straw Tuscan wheat	40 bushels.			
3X	Red Tuscan wheat ..	40 bushels.	20	Maize ..	..
4	Red Marvel wheat ..	22 bushels.	21	Blue Imperial peas ..	16½ bushels.
5	Pearl wheat ..	22½ bushels.	22	Soya beans ..	..
5X	Hunter's wheat ..	29½ bushels.	23	Early Winter peas ..	24½ bushels.
6	Cape barley ..	..	23x	Partridge-peas ..	23½ bushels.
7	White Marvel wheat ..	26 bushels.	24	Velvet beans ..	..
7X	Comeback wheat ..	25 1-10 bushels	25	Tick-beans ..	..
8	Cape barley ..	..	26	Cow-peas ..	..
9	Velvet Ear wheat ..	30½ bushels.	27	Canadian Yellow Flint maize and Blue Prussian peas	1,600 lb. dry forage and 25 bushels peas.
9X	Federation wheat ..	28½ bushels.			
10	Hannchen barley ..	..	27x	Virginian Horse-tooth maize and partridge- peas	2,028 lb. dry forage and 19 bushels peas.
11	Bore wheat ..	Did not ma- ture.			
11X	Grenadier wheat ..	12½ bushels.	28	Early Amber Cane sor- ghum	10 tons (green).
12	Hannchen barley ..	..		
13	Swedish Pearl ..	4 bushels.	29	Maize (variety) ..	..
13X	Beardless Propsteier oats	31 bushels.	30	Millets (variety) ..	..
14	Swan-neck barley ..	..	31	Mixed pasture ..	..
15	White Ligowo ..	31 bushels.			
15x	Victory oats ..	37 bushels.			
16	Swan-neck barley ..	..		
17	Triumph oats ..	44 bushels.			