

Experimental Farms.

EXPERIMENTS WITH PEASE.

During the past season thirty-six varieties of pease have been tested on uniform plots of one-twentieth acre each, the results of which are given in table No. 1. The soil on which these pease were sown was a light sandy loam and the previous crop was oats. The land was manured in the spring of 1894 with about 12 tons of barn-yard manure per acre. It was ploughed in the spring of 1896 about six inches deep, disc-harrowed once and harrowed twice with the smoothing harrow before sowing. The plots were all sown on 23rd April with the following results :—

PEASE—TEST OF VARIETIES—TABLE NO. 1.

Name of Variety.	Date of Ripening.	No. of days Maturing.	Character of Growth.	Length of Straw.	Length of Pod.	Size of Pea.	Yield per Acre.		Weight per Bushel.
				Inches.	Inches.		Bush.	Lbs.	
Creeper.....	Aug. 7..	106	Strong...	60 to 84	2 to 2½	Small....	45	50	63½
Victoria.....	do 16..	115	do.....	84 to 96	2½ to 3	do.....	44	40	63½
Canadian Beauty.....	do 12..	111	do.....	72 to 84	2½ to 3	Large....	44	20	63
Agnes.....	do 4..	103	Medium...	54 to 60	2½ to 3	do.....	44	20	62
Bruce.....	do 9..	108	Strong...	60.....	2½ to 3	do.....	44	..	62½
Mackay.....	do 8..	107	do.....	72 to 96	2½ to 3	do.....	44	..	62½
Prussian Blue.....	do 4..	103	do.....	84 to 96	2 to 2½	Medium...	43	20	63½
Kent.....	do 13..	112	do.....	84.....	2½ to 3	Large....	43	20	62
Vasey.....	do 14..	113	do.....	84 to 96	2½ to 3	do.....	43	..	62½
Black-eyed Marrowfat.....	do 8..	107	do.....	60.....	2½ to 3	do.....	42	..	62½
Duke.....	do 11..	110	do.....	72 to 84	2 to 2½	do.....	42	..	62
Tracey.....	do 12..	111	do.....	60 to 72	2½ to 3	Medium...	41	40	62½
Crown.....	do 6..	105	do.....	48 to 72	2 to 2½	Small....	41	30	64½
Golden Vine.....	do 5..	104	do.....	60.....	2 to 2½	do.....	40	40	64
New Potter.....	do 7..	106	do.....	60 to 72	2½ to 3	Large....	40	30	61½
Prince Albert.....	do 11..	110	do.....	60 to 72	2 to 2½	Small....	40	20	63½
Daniel O'Rourke.....	do 3..	102	Medium...	54 to 60	2½ to 2¾	do.....	40	20	62½
Mummy.....	July 29..	97	do.....	42 to 54	1¾ to 2½	Medium...	40	..	65½
Multiplier.....	Aug. 10..	109	Strong...	60.....	2 to 2½	Small....	39	40	63½
Prince.....	do 7..	106	Medium...	48 to 54	2½ to 3	Large....	39	40	62½
Luther.....	do 12..	111	Strong...	72 to 84	2½ to 2¾	do.....	39	30	63½
Paragon.....	do 8..	107	do.....	60 to 72	2½ to 3	Medium...	39	20	63½
Pride.....	July 28..	96	Medium...	24 to 30	2 to 2¾	Large....	38	30	65
Derby.....	Aug. 12..	111	do.....	54 to 60	2½ to 3	do.....	38	10	62
Fenton.....	do 11..	110	do.....	60.....	2½ to 3	do.....	37	30	61½
Elva.....	do 15..	114	Strong...	72 to 84	2½ to 3	Medium...	37	30	62½
Macoun.....	do 10..	109	do.....	60 to 72	2½ to 3	Large....	37	20	64
Archer.....	do 11..	110	do.....	72 to 84	1¾ to 2½	Medium...	37	20	63½
Arthur.....	do 4..	103	do.....	60.....	2 to 2½	do.....	37	20	63½
Trilby.....	do 10..	109	Medium...	48 to 60	2 to 3	do.....	37	..	62½
Centennial.....	do 12..	111	Strong...	84 to 96	2½ to 2¾	do.....	37	..	63½
Bedford.....	do 12..	111	do.....	72 to 84	1¾ to 2½	do.....	36	20	62½
Alma.....	do 13..	112	do.....	84.....	2 to 2½	Small....	36	20	63
Carleton.....	do 11..	110	do.....	72.....	2 to 2½	Medium...	35	..	64
Large White Marrowfat.....	do 5..	104	do.....	66 to 72	2 to 3	Large....	34	..	62½
Excelsior.....	do 13..	112	do.....	60 to 72	2½ to 2¾	Medium...	32	40	62½

Thirty-eight additional sorts were sown in smaller plots of one-fortieth of an acre each and the results are recorded in table No. 2. Soil, sandy loam of fair quality, the previous crop was horse-beans. This land received a dressing of barn-yard manure about 12 tons per acre during the winter of 1895-96. The manure was left in small heaps of about half a cart load each, distributed regularly and spread early in the spring. The manure was ploughed under about 6 inches deep, and the land harrowed twice with the smoothing harrow before sowing.