

this was that the formaldehyde solution was too strong for them. So where this type of barley is used it would seem, from this year's experience, that a solution weaker than one pound of formalin to 35 gallons of water should be used. The test plots were sown on summer-fallowed land. The table below gives the results of this season with the most promising of the more common varieties.

Variety.	Type.	Days Maturing.	Yield.
O.A.C. No. 21	Six row	89	Bus. Lbs. 59 8
Oderbruch.....	"	85	53 16
Manchurian.....	"	88	41-32
Gold.....	Two-row	88	55
Canadian Thorpe.....	"	88	53-16

FLAX.

At the Indian Head Farm this year the flax plots were sown on May 21. Flax, like the cereals, should have the seed tested for germination before seeding. If the test is 80 per cent or over 40 pounds of seed are sown per acre. If the test is below this more seed must then be used. As flax wilt causes a greater loss with this crop than any other disease the seed should be treated with formaldehyde similarly to wheat. The plots this season were sown on summer-fallowed land, but even with the well-prepared soil the crop was very light. The highest yield was obtained from the Novelty, a new variety originated by Dr. Saunders, the Dominion Cerealists. In the table below are found some of the best sorts:—

Variety.	Days maturing.	Yield.
Novelty	97	Bus. Lbs. 12-48
Premost.....	96	10-40

PEAS.

Peas usually require a comparatively long period in which to mature. They are, therefore, sown as early in the spring as practicable. This year the plots were sown on May 1 and owing to the very dry weather they matured much earlier than in former years. The amount of seed sown per acre depends largely on the size of the pea. The small sorts such as the Golden Vine were sown about 2 bushels per acre, while the large sorts, like the Arthur, are sown 3 bushels. This season the plots were all sown on summer-fallow. The following is a list of the most promising sorts, and a statement of their yield this year:—

Variety.	Days maturing.	Yield.
Arthur.....	99	Bus. Lbs. 40-40
Golden Vine.....	98	28
Solo	97	26-40