

Considering the very dry character of the season as a whole the yields of spring wheat obtained were good, reaching as high as 43 bushels per acre in the case of two of the new cross-bred varieties not yet named. The highest yield from any named variety was obtained from a new, beardless selection of Yellow Cross. This stood 25th on the list and gave 35½ bushels. The next named sorts were White Russian and Pringle's Champlain, both of which gave 33½ bushels. Prelude gave 27 bushels and ripened 22 days before White Russian. Bourgoyne's Fife, a new English variety, stood 140th on the list, with a yield of 16½ bushels per acre. It ripened 28 days later than Prelude.

EMMER AND SPELT.

Several varieties of Emmer and Spelt have been tested for a series of years. Common Emmer (which often goes by the incorrect name of "Speltz"), Red Emmer and Smooth Spelt appear to be the most productive sorts. On the whole, these grains have not shown any advantages, for this district, over the best sorts of wheat, oats and barley. The cultivation of Emmer or Spelt, under ordinary conditions of farming, is not advised.

OATS.

Sixty-seven varieties of oats were sown this season in the regular test plots. The dates of sowing were from the 13th to the 15th of May. The seed was used at the rate of about two bushels per acre, except when the oats were unusually large, when about one-fourth or one-half as much seed again was used.

The largest yield this season, from any named variety, was 75 bushels 30 pounds per acre from Victory. The first variety to be cut was Eighty Day, which ripened on July 28, only 75 days from the date of sowing. The excessive drought was particularly unfavourable to early varieties. Eighty Day only gave a little over 43 bushels per acre.

BARLEY.

Owing to shortage of land, the regular variety tests of barley could not be made this season.

SPRING RYE.

Two strains of spring rye were under test. They were sown on May 19 and ripened August 19. The higher yield, 35 bushels and 50 pounds was given by Ottawa Select, which has also given the higher yield, taking the average of the past seven years.

FIELD PEAS.

Forty-one plots of field peas were sown on the 12th and 13th of May. The seed was used at the rate of about two bushels per acre in the case of small peas and three bushels when the peas were large. The extremely dry weather caused considerable irregularity in the yields. Arthur Selected, which is one of the best sorts, did not give good returns this year, as the plot was in an unfortunate position. Prussian Blue gave the best yield, of all the varieties available to the public. Prussian Blue and Arthur showed the highest weight per bushel, 66 pounds.

BEANS.

Five varieties of beans, intended for use in the form of the ripe seed, were sown on May 26. The highest yield obtained was from Norwegian Brown Selected. This was ripe on September 1 and produced seed at the rate of 51 bushels per acre. The dark colour of these beans would no doubt be a very serious disadvantage in commerce. The white variety which gave the best yield this season, California Pea, ripened on September 5 and produced 32½ bushels per acre.