

THE ORIGINAL SUMMER HILL FARM

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OXFORDS

I have eighty head of very fine yearling ewes for sale, also a number of yearling rams for show purposes or flock headers, fifty head of ram lambs and fifty head of ewe lambs, all bred in the purple. All recorded and first-class individuals. No grades registered as pure-breds, and no grades handled except by order.

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VISITORS WELCOME

Report on Winter Grains.

Experiments have been conducted at the Ontario Agricultural College and throughout Ontario in the past year with winter wheat, winter rye, winter barley, winter emmer and hairy vetches. The autumn of 1915 and the spring of 1916 were very wet, and the month of July was dry and hot.

About two hundred and ninety varieties of winter wheat and a large number of selections and crosses have been tested at the College within the past twenty-seven years. Of the named varieties fourteen have been grown in each of twenty-one years, and the results of these are of special value. The following gives the average for twenty-one years in yield of both grain and straw per acre and in weight per measured bushel of a few of the leading varieties: Dawson's Golden Chaff, 51.3 bushels, 2.9 tons and 60.1 lbs.; Imperial Amber, 47.9 bushels, 3.2 tons and 61.2 lbs.; Early Genesee Giant, 46.8 bushels, 3.0 tons and 60.2 lbs.; Early Red Clawson, 46.6 bushels, 2.8 tons and 59.2 lbs.; and Egyptian Amber, 46.4 bushels, 3.2 tons and 61.7 lbs.

The average results of the fourteen varieties are as follows: yield of grain per acre, 40.9 bushels for 1916, and 45.1 bushels for the twenty-one-year period; yield of straw per acre, 2.9 tons for 1916 and also for the average of the twenty-one-year period; and weight per measured bushel, 63.2 lbs. for 1916, and 61.1 lbs. for the whole period. It will be seen that in 1916 the winter wheat gave an average of practically four bushels per acre below, and two pounds per measured bushel above the average of the past twenty-one years.

Of the twenty-eight varieties of winter wheat which have been tested for the past five years, the highest yields in bushels per acre were produced by Grand Prize, 46.7; Kharkov, 46.4; Imperial Amber, 45.3; Gillespie Red, 44.9; Yaroslaf, 44.7; American Banner, 44.1; Theiss, 43.8, and Michigan Amber, 43.7. Those varieties of winter wheat which produced the largest loaves of bread from equal quantities of flour in the average tests of nine years made in

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in Canada. Look up our show record, it will give you an idea of the
kind of Oxfords we have for sale.

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Oxford and Hampshire Down Sheep

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Having quit the show ring we hold nothing back. Our present offering is a number of superior yearling and two-shear rams for flock headers, a carload of yearling range rams, a hundred first-class yearling ewes; also a fine lot of ram and ewe lambs of 1916.

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Maple Shade Shropshires

A number of splendid ram lambs, fit for service this fall. Sired by one of the best imported rams that we ever owned, and from imported dams. Prices and description on application.

W. A. DRYDEN, Maple Shade Farm, Brooklin, Ont. Brooklin, G.T.R., C.N.R., Myrtle, C.P.R.

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Champion Oxford flock of Canada. Choice Oxfords of all ages for sale. Prices reasonable.
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LINDEN OXFORDS

We are offering a number of Shearling Rams, Ram Lambs, Shearling Ewes and Ewe Lambs of first-class quality, foundation of flock imported by R.J. Hind.
Joseph Mountain, R.R. No. 5, St. Mary's, Ont.

the Bakery Branch of the Chemical Department of the College are as follows: Yaroslaf, Banatka, Crimean Red, Tuscan Island, Buda Pesth, Tasmania Red, Egyptian Amber, Kentucky Giant, Rudy, Turkey Red, Treadwell and Bulgarian.

Crosses have been made between the Dawson's Golden Chaff and some of the varieties of particularly high quality for bread production, such as Tasmania Red, Crimean Red, Turkey Red, Buda Pesth and Imperial Amber. In the average tests for the past five years one of these crosses has surpassed in yield per acre all the named varieties which were grown at the College.

In treating winter wheat for smut the best results were obtained by immersing the grain for twenty minutes in a solution made by adding one pint of formalin to forty-two gallons of water. This treatment is simple, cheap and effectual. Other experiments show the great importance of using large, plump, sound, well-matured seed of strong vitality.

In the co-operative experiments throughout Ontario reports have been received from thirty-three counties. These results show the following average yields in bushels per acre: Imperial Amber, 35.5; American Banner, 31.9; Banatka, 30.8, and Yaroslaf and Crimean Red, each 29.8.

In winter rye the Petkus variety made the highest records both at the College and throughout Ontario. Winter barley gave a yield in 1916 of 49 and an average yield for nineteen years of 52 bushels per acre. Winter emmer gave a yield of 2,635 pounds of grain per acre in 1916, and an average of 2,480 pounds for nine years.

As long as the supply lasts material will be distributed free of charge in the order in which the applications are received from Ontario farmers wishing to experiment and to report the results of any one of the following tests: 1, three varieties of winter wheat; 2, one variety of winter rye and one of winter wheat; 3, spring applications of five fertilizers with winter wheat; 4, autumn and spring applications of nitrate of soda and common salt with winter wheat; 5, winter emmer