

Annual Report of the Ontario Agricultural and Experimental Union which is printed along with the report of the Ontario Agricultural College. From among fourteen conclusions given in the report of last year regarding these co-operative experiments with winter wheat for 1895, the following five conclusions are quoted as being of interest in connection with the results given in this bulletin :

1. " In average yield of winter wheat per acre, Dawson's Golden Chaff stood highest among eleven varieties tested over Ontario in 1893, nine varieties in 1894 and nine varieties in 1895.
2. " In the co-operative experiments for 1895 Dawson's Golden Chaff, Jones' Winter Fife and the Early Genesee Giant give the best yields on heavy soils ; and Dawson's Golden Chaff, the Early Genesee Giant and the American Bronze on light soils.
3. " Early Genesee Giant and Dawson's Golden Chaff made the best general appearance in the spring of 1895.
4. " American Bronze, Early Genesee Giant and Dawson's Golden Chaff possessed the stiffest straw in 1895.
5. " The Dawson's Golden Chaff was the most popular with the experimenters in each of the past three years ; and during the present season it was chosen by over sixty per cent. of the farmers who sent in full reports as being the best among the varieties tested."

CONCLUSIONS.

1. The average results of winter wheat growing on the experimental plots for seven years in succession are as follows : Weight of grain per measured bushel, 60.5 pounds ; yield of straw per acre, 2.5 tons ; and yield of grain per acre, 38.7 bushels.
2. Dawson's Golden Chaff has given the largest average yield of grain per acre among fifty-three varieties of winter wheat grown at the Ontario Agricultural College for five years ; also among eleven leading varieties tested over Ontario in 1893, nine varieties in 1894, and nine varieties in 1895.
3. The Early Genesee Giant has given the largest average yield of grain per acre among twenty-eight new varieties which were tested for the first time in 1894, and have now been tested for three years in succession. This variety also stood second in average yield per acre among nine leading varieties of winter wheat tested over Ontario in 1894, and nine leading varieties tested over Ontario in 1895.
4. The Early Genesee Giant, Giant Square Head, and Queen Meg varieties of winter wheat, which head the lists in average yield per acre among the varieties grown for three years, for two years, and for one year, respectively, are very similar in all characteristics.
5. Among eighty-one varieties of winter wheat tested in 1896, the Dawson's Golden Chaff, American Bronze, New Columbia, Early Genesee Giant, Giant Square Head, and Queen Meg produced the stiffest straw.
6. In the average of four years' experiments in seeding winter wheat on different dates, it is found that when the wheat was sown later than September 9th, the crop was much poorer than when the seeding took place on or before that date.