

bearded varieties. Seeding at the rate of one bushel per acre in the latter part of August on fallowed land is likely to give best results with winter wheat.

OATS.

The most useful classification of oats for this province is that based on the time required to mature them. There are early, medium early, and late oats.

The Late Maturing Oats are nearly all white, but a few are black. Most have branching panicles, but some are "side" or "mane" oats. The white late oats having branching panicles is the most useful type for general use in this province. It is more productive than any of the others, and higher in quality than most of them. Among the many varieties of this type, *Banner* and *Victory* have proven the most satisfactory at Saskatoon.

Banner is a fine but strong strawed variety, and very productive. The grain, as compared with that of other late maturing sorts, is long and thin and carries a low percentage of hull. It is a very productive sort.

Victory yields about the same as *Banner*, but more than *Abundance*. The grain of *Victory* is shorter and plumper than *Banner* and weighs more per measured bushel.

The White "Side" or "Mane" Oat, contrary to common opinion, is neither so productive nor so strong in the straw as the branching oat and invariably it contains a larger percentage of hull. "*Dodd's White*" and "*Tartar King*" are representatives of this class.

The Late Black Oats that have been grown here, whether of the "side" or the "branching" type, are very coarse in the straw and have a high percentage of hull. In addition to the popular prejudice against them, their coarseness and lack of quality furnishes good reason for discouraging their use.

Most of the *medium early oats* are white or yellow in colour and nearly all have branching panicles. Only a few varieties have come under our observation.

Gold Rain is a medium early yellow oat, having a rather small grain, which carries very little hull. This variety should become popular in those parts of the province where early fall frosts are feared. The yellow colour of the grain does not lower the grade nor the milling value but is objectionable to some because it is occasionally mistaken for weathered grain. *Gold Rain* matures on an average about three days before *Banner* and the average yield is but very little less.

Ligowo is a white oat that is medium early, but less productive than *Gold Rain*.

Among the *early types* are found red, white, yellow and black sorts. The red and yellow sorts are common in the Corn Belt where on account of their earliness they mature before the hot days of summer, and are therefore preferred. All of these early oats including