



*Wheat Trials—Continuous vs. Rotations*

varieties as Mindum and Thatcher wheat, Gopher and Anthony oats and Velvet barley have resulted from a state organization of crop improvement work in which the Central Station at University Farm has been the leader and the Northwest Station has closely cooperated.

The need to plan experimental trials whose value would increase with age was recognized in the following statement from an early report: "The problems that need to be investigated are not only current problems about which farmers are asking questions today, but other very important questions that will be raised and for which answers will be needed in the future." In 1896 the single crop system was prevalent throughout the Valley. A ro-

tation of crops was recognized as being necessary to aid "in promoting livestock growing and diversified farming . . . and in the eradication of quack grass, Canada and sow thistle." In 1911 a variety of rotations was begun in comparison with continuous wheat and continuous corn. The latter two have been carried on for 25 years without interruption except one year of fallow on the wheat plot. Rotations have been modified as results seemed to justify such changes. Weed eradication and control studies have also been modified to make use of improved machinery as it has been developed and, recently, of chemical weed killers. With the introduction of more livestock into the Valley, information relating to adapted forage crops be-



*Corn Breeding*

