This is the second report on the registration of varieties and strains of bromegrass (Bromus spp.) for purposes by Field Crops Research Branch, Agricultural Research Service, U.S. Department of Agriculture, and the American Society of Agronomy. The revised classification of forage crops for registration has been approved for the distribution, and registration was requested by the Department of Agronomy of the South Dakota Agricultural Experiment Station. Certified seed is available from the Nebraska Station.

Varieties and strains originated from farms on which the original plantings were made. Additional information on Lincoln and Achenbach, in both forage and seed yields as compared to Lincoln and Canadian Commercial, has been published. Homesteader is an intermediate type between the northern and southern bromegrass strains. It has been tested widely in the North Central States where it is found to be superior on the basis of forage yield, seed yield, and freedom from diseases in its region of adaptation. It was produced in South Dakota. Homesteader has been published. Additional information on Lincoln and Canadian Commercial is given in the table.

Varieties and strains of bromegrass from the Department of Agronomy, Kansas, Nebraska, the Dakotas, and Canada. The first farmer-produced seed crop of Lancaster was certified by the Nebraska Crop Improvement Association in 1951. A foundation seed field is maintained by the Nebraska Station. Lancaster is a synthetic variety of smooth bromegrass (Bromus leyss.) developed cooperatively at the Nebraska Agricultural Experiment Station, Lincoln, Nebr., by the Department of Agronomy, Kansas, Nebraska, the Dakotas, and Canada.

Table 1 summarizes part of the data from early tests of farmers' strains obtained from fields in Kansas, Nebraska, the Dakotas, and Canada. The variety has been widely tested and has been outstanding in its seed yield performance in these Nebraska tests. It has been tested in the South Dakota Farm and Home Research. Vol. 11.

Yields in tons of air-dry hay per acre in various years are shown in the table. Homesteader bromegrass compared to Lincoln and Canadian Commercial is given in the table. The best performing Nebraska fields of similar type were traced to old plantings, some of which were made from the Department of Agronomy, Kansas, Nebraska, the Dakotas, and Canada.