

COOPERATIVE SMALL GRAIN NURSERY TRIALS

Plantings in 1986 included: Uniform Regional Hard Red Spring Wheat, Project leader Dr. Robert Busch, University of Minnesota; Uniform Hard Red Winter Wheat, Dr. Darryl Cox, Agronomy Dept., North Dakota State University; Uniform Regional Durum, Project leader Dr. R.G. Cantrell, North Dakota State University; Uniform Early and Uniform Midseason Oats, Project leader Dr. Howard Rines, University of Minnesota; Western Spring Barley and Western Dryland Spring Barley, Project leader Dr. E.A. Hockett, Montana State University; and Advanced Two-row Barley Nursery, cooperator Dr. Jerry Franckowiak, North Dakota State University. Field performance reports are furnished to respective project leaders for evaluation and compilation into composite regional reports. Required samples for quality analysis are furnished to appropriate state or USDA cereal chemistry laboratories upon request of respective project leaders. Trials included 31 varieties and experimental lines in the Uniform Regional Hard Spring Wheat Trial; 30 lines in the Uniform Regional Durum Nursery; 70 varieties and experimentals in three barley nurseries. Yields were less than those of field plots. Hard red spring wheat yields ranged from a low of 29.4 bushels per acre to 58.0 bushels per acre. High field plot yield was 69.8 bushels per acre. D81183, a North Dakota experimental, was high producer in the Regional Durum Trials and ND 820294, at 143.2 bushels per acre, was the highest yielding oats in the 1986 trials. A wide range of yields were produced by 81 barley lines, with a high yield of 88.6 pounds per acre recorded for MT 140523. Barley yields ranged from a low of 33.3 to 88.6 bushels per acre. Individual nursery yields are set forth in Tables 35 through 42.