

TEST SITE INFORMATION - NRPN

Nebraska stations — See information for SRPN.

Brookings, SD — Planted in fallow on 9/15/90. Moisture conditions were good. The winter was extremely mild and somewhat dry, followed by cool and wet spring. Leaf rust was present and stem rust was found late in June. Very little tanspot or septoria. Harvested on 7/17/91.

Pierre, SD — Planted into standing soybeans on 9/11/90. Soil was extremely dry. Winter was very mild and dry followed by wet spring and summer seasons. No tanspot or septoria were found. Harvested on 7/12/90. The Pierre location is a new test site for the breeding program at the new Dakota Lakes Research Station, located on the east bank of the Missouri river, 20 miles south of Pierre.

Winner, SD — Planted into extremely dry fallow on 9/10/90. Abandoned due to poor and irregular stand.

Casselton, ND — The nursery was planted on 9/5/90 into standing flax stubble. Winter survival was 100%. Growing conditions were good, with timely rains throughout the season. Maturity was very early with harvest on July 10.

Carrington, ND — The nursery was planted on 9/12/90 into wheat stubble. Growing conditions were good and leaf rust was severe.

Williston, ND — Planted on 9/11/90. Fall stand was 25 to 50% due to dry soil conditions. Spring stand ratings were not indication of winter survival, but were spring stand establishment. Fertilizer applied was 40 lbs/a N and 26 lbs/a P₂O₅. Leaf spot diseases and a small amount of leaf rust were present, but no stem rust. Harvested on 7/25/91.

Minnesota stations — Winter survival was 100% for both locations. Growing conditions were highlighted by wet weather and high humidity during May. Scab was not as severe on the winter wheat trials as on spring wheats, as rain did not occur during flowering. Lodging was quite severe and occurred very early at Rosemount, less severe at Waseca. Mildew was present at Rosemount on many lines, and on heads of very susceptible lines. Plots were harvested in mid-July.

Sheridan, WY — Lost to hail storm in mid-June.

Archer, WY — Severe infection of Wheat Streak Mosaic Virus resulted in severe stunting and yellowing of plants and low yields. Significant differences in entry reactions to WSMV infections were noted.

Moccasins, MT — The nursery was lost to hail damage.

Sidney, MT — Planted into summer fallow on 9/10/90 with available fertility of 95 lbs/a N and 47 lbs/a P. Very dry soil conditions at planting resulted in very poor stands. Moisture was ample in late fall and spring with a total of 15.2 inches received during the growing season. Some sawfly damage was noted.

Bozeman, MT — Very severe but uneven winterkill. Stem rust ratings were obtained from planting of one rep at Ft. Ellis that was infected with a mixture of field races collected in Montana. Dwarf bunt ratings were obtained from a natural infection at Ft. Ellis.

Aberdeen, ID — Planted on 10/1/90 with 200 lbs/a N fertilizer and harvested on 8/9/91. Irrigation applied on the NRPN totaled 8 inches. Seeding rate was 75 lbs/a.

Preston, ID — Planted on 9/24/90 with a seeding rate of 60 lbs/a and fertilizer application of 40 lbs/a. Harvested on 7/30/91.

Lind, WA — Lost to winterkill.