TEST SITE INFORMATION - SRPN

Clovis, NM -- The irrigated nursery was planted on 9/21/92 in fallow land that was in sorghum during 1991. Plots were irrigated on 9/17/92, 2/16/93, 4/19/93, 5/14/93 and 5/31/93. Fertilizer rates consisted of 180 lbs/a N and 30 lbs/a P_2O_5. Seeding rate was 90 lbs/a. Harvested on June 24, 1993. The dryland nursery was planted on 9/15/92 at a rate of 40 lbs/a. Fertilizer rates were 6 lb/a N and 30 lb/a P_2O_5. Extremely dry conditions from January to harvest caused the dryland nursery to ripen very quickly. Precipitation from July, 1992 through June, 1993 was 11.8 inches, compared with the long term average of 16.7 inches. Harvested June 16, 1993.

Farmington, NM -- Fertilizer of 136 lbs/a N was applied through the center pivot irrigation water.

Bushland, TX -- The nursery was seeded late. Due to dry fall conditions it did not emerge until after January 1.

Chillicothe, TX -- No additional information.

Prosper, TX -- The winter was mild and wet, followed by a wet spring. Barley yellow dwarf was present and erratically distributed over the field, contributing to a higher than normal CV. Test weights were quite low. Approximate ripeness date: June 7.

Stillwater, OK -- Leaf rust and septoria leaf blotch were factors at all sites in Oklahoma except for Goodwell.

Lahoma, OK -- The nursery experienced substantial hail damage in early June, prior to harvest.

Altus, OK -- Nursery was not planted due to extended wet conditions.

Goodwell, OK -- The nursery experienced some Russian wheat aphid damage.

Hutchinson, KS -- No additional information.

Manhattan, KS -- Eighteen inches of rain and flooding in July destroyed the nursery. Prior to this, the nursery was in excellent condition. Septoria and leaf rust were the primary leaf diseases.

Hays, KS -- The nursery experienced high winds in late June, just prior to harvest. Substantial shattering occurred and affected yields. Levels of shattering varied among entries. The nursery was considered ripe on 7/3/93.

Garden City, KS -- The nursery had excellent moisture. Leaf rust was present, but no insect pressure. Nursery was harvested on July 29.

Colby, KS – The nursery was planted on 9/18/92 and received 40 lbs/a N in the spring. Good stands were obtained in the fall and the nursery was snow covered from late November through March with no winterkill. Spring was wet until June, when it turned warm and dry. High wind, hail, and heavy rain occurred on July 6, causing severe lodging and shattering.

Ft. Collins, CO – No additional information provided.

Julesburg, CO – No additional information provided.

Akron, CO – No additional information provided.

Walsh, CO – The nursery was abandoned.

Burlington, CO – No additional information provided.

Lincoln, NE – Nebraska was affected by a cooler than normal growing season and above average rainfall throughout most of the state, leading to a higher incidence of foliar diseases in eastern Nebraska. Leaf rust, BYDV, and scab were prevalent at Lincoln. The Lincoln nursery was abandoned due to extended rains in July.

Clay Center, NE – The nursery was abandoned due to extended rains in July.

North Platte, NE – No additional information.

Sidney, NE – The nursery was abandoned due to hail damage in June.

Hemingford, NE – No additional information.

Brookings, SD – Planted on 9/19/92 and harvested on 8/5/93. Approximate ripeness date of 8/1/93. The nursery planted into summer fallow ground with good soil moisture. Cool, wet weather contributed to the lateness of the crop (approximately 2 weeks later than normal). Leaf rust was observed in the nursery in June, yet its continued development and spread was prevented by cool and wet weather in July. A high level of scab was observed and responsible for significant reductions in both yield and test weight.

Pierre, SD – Planted on 9/15/92 and harvested on 7/28/93. Approximate ripeness date of 7/25/93. The nursery was planted in good soil moisture on no-till lentil stubble. Cool, wet weather and the absence of foliar pathogens during grain filling contributed to a two-week delay in harvest and exceptionally high yields.

Winner, SD – Planted on 9/14/92 and harvested on 8/2/93. Approximate ripeness date of 7/29/93. The nursery was planted into summer fallow ground with good soil moisture. Cool, wet weather and the absence of foliar pathogens during grain filling contributed to a two-week delay in harvest and exceptionally high yields.

Columbia, MO -- Planted on 10/1/92 with seeding rate of 1.5 bu/a. Fall fertilizer consisted of 40-40-40, with additional 80 lbs/a N applied on 3/31/93. Cool wet spring and virus disease complex worsened as the season progressed. Leaf rust and scab were present in addition to diseases noted. Rains delayed harvest of the nursery until 7/12/93. Average ripeness date was June 30.

Crawfordsville, IA -- Planted on 10/2/92 in moist soil following soybeans. Adequate moisture during the fall allowed for good stand establishment. Snow cover and mild winter provided for good winter survival. Diseases reduced yields and test weights due to cool weather and heavy rains during 1993.

Lind, WA -- The nursery was abandoned.

Aberdeen, ID -- Growing conditions were cool for the whole year. Frost damage reduced yield an estimated 15-20% on wheats with maturity similar to Meridian, the local check. Most nursery entries were earlier than Meridian and were likely not affected. The nursery was planted on 9/21/92 and harvested between 8/13 and 9/4/93. The SRPN received a total of 29.7 inches of moisture; 16.25 inches supplied by irrigation. N was applied at 160 lbs/a. The NRPN received a total of 25.2 inches of moisture; 11.8 inches supplied by irrigation. The NRPN received 110 lbs/a N.