

AGRONOMIC PROCEDURE

Seeding dates for winter wheat at Beach – September 8, Bowman – September 9, and Dickinson – September 10. Winter rye was seeded at Dickinson – September 10.

All winter grain variety trials were seeded with a John Deere deep furrow drill equipped with 10 cm spear point shovels spaced 25.4 cm. The drill is equipped with pneumatic rubber tire packer wheels.

Off station spring grain trials were seeded at, Hettinger – April 13, Bowman – April 14, Killdeer – April 30, Beulah – April 28, Glen Ullin – April 29, Regent – April 15, Center - April 27, and Beach – April 16.

At Dickinson, durum wheat was seeded April 23, oats and barley on April 24, and wheat on April 22.

All spring grain variety trials were seeded with a double disk press drill on summer fallow.

Seeding rates in kg/ha were: rye 63, winter wheat 56, durum, HRS wheat and barley 67 and oats 54.

Commercial fertilizer application was made according to soil test for an expected wheat yield goal of 2350 kg/ha.

Hoelon and Bromoxynil were used at all locations for wild oats and broadleaf weed control, following recommended rates and application procedure.

Crop production methods trial was seeded April 29, using the double disk drill for conventional seeding and the John Deere shoe drill for no-till seeding.

The flexible cropping trial was seeded April 29, using the double disk drill for conventional seeding and the John Deere shoe drill for no-till seeding.

Miscellaneous trials included Safflower, seeded on May 13, the National sunflower performance trial and a commercial sunflower trial planted on May 11, and Sorghum and Sudangrass trial seeded on June 4 at Dickinson and June 5 at Hettinger.

Because of the severity of the drought, off-station trials at Hettinger were abandoned.