

## **CORN NITROGEN RATE RESPONSE TRIALS IN NORTHWEST AND WESTCENTRAL MINNESOTA, 2007-2009**

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### **Abstract**

With the growing number of corn producers and increased acres of corn in NW and WC Minnesota along with the revisions in the University of Minnesota Corn Nitrogen Guidelines (2006) many northern corn growers were asking about the validity of the new nitrogen guidelines for corn production in the region. Prior to 2007, University of Minnesota calibration and correlation data included in the new guidelines did not include any research sites north of Interstate 94. A request for funding from the Minnesota Corn Growers Association was granted in 2007-2009 to investigate corn Nitrogen response rates in NW and WC Minnesota relating to the new Corn Nitrogen Guidelines and validate the applicability of the N guidelines to this region of the state. Ten research sites were established in 2007 from Fergus Falls to Roseau, eight sites in 2008 from Fergus Falls to Warren and 6 sites in 2009 from Fergus Falls to Fosston to collect data to be included in the New N Guidelines and validate the applicability of the N guidelines to this region of the state.

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