



MINNESOTA WHEAT

RESEARCH & PROMOTION COUNCIL

Crop Year 2027 Research Priorities: Priority will be given to research proposals related to:

Spring Wheat Variety Development

- Provide support for public breeding programs to develop new wheat varieties for Minnesota
- Increase the effectiveness of the breeding program at the University of Minnesota by providing funding to utilize new technologies and capabilities to continue to be the leader in developing varieties that provide increased profitability for Minnesota wheat producers and high quality flour and bread or other food products for end-users

Spring Wheat Production

- Fertility management
 - N management to economically maximize yield and protein content
 - P, K, S and other nutrient management strategies Seeding rates
- Variety selection
- Crop rotation
 - Impact on production and profitability of wheat and other crops in a rotation plan
 - Impact on weed control and soil health for wheat and other crops in a rotation plan
- Crop protection
 - Disease management, with priority given to the management of Fusarium head blight and bacterial leaf streak
 - Pest management
- Site specific management
 - Altering production practices for specific soil types or environments within a field
- Residue management and reduced tillage practices
- Baling wheat straw after harvest
 - Impact on soil health and fertility
 - Commercial value of wheat straw

MN Wheat Disease Survey

- Continuing the annual wheat disease survey throughout MN in collaboration with NDSU

Environmental Quality and Soil Health

- Incorporating cover crops into spring wheat production using current production systems
- Understanding the role of spring wheat for improving soil health
- Incorporating conservation tillage into systems including spring wheat
- Protecting or improving soil quality in spring wheat rotations
- Reducing nutrient loss and soil erosion in spring wheat rotations

Wheat Quality and Utilization

- Improving wheat kernel, flour and final product quality of Hard Red Spring wheat
- New uses of Hard Red Spring wheat, straw, or by-products of food processing

Contact Brian Sorenson at bsorenson@mnwheat.com for more information.