



MINNESOTA WHEAT

RESEARCH & PROMOTION COUNCIL

Crop Year 2025 Research Priorities: Priority will be given to research proposals related to:

Spring Wheat Variety Development

- Public breeding program support in Minnesota, North Dakota, and South Dakota
- Increasing the capacity of the University of Minnesota's breeding program
- Increasing the efficiency of regional breeding programs

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 water quality in spring wheat rotations
- Reducing nutrient and water runoff in spring wheat rotations
- Reducing soil erosion in spring wheat rotations

Cereal Chemistry

- Spring wheat protein and baking quality
- Herbicide residues in harvested grain

Note: For multi-crop research proposals, list funding requests from related organizations. Contact Brian Sorenson at bsorenson@mnwheat.com for more information.