



MINNESOTA WHEAT

RESEARCH & PROMOTION COUNCIL

Current 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
- Crop protection
 - Disease management, with priority given to the management of Fusarium head blight and bacterial leaf streak
 - Pest management
- Site specific management
 - Tailoring the above production practices to specific soil types or environments within a field

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
- 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

- Understanding digestive sensitivities related to wheat
- Spring wheat protein and baking quality
- Herbicide residues in harvested grain