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