

	Actual FY 2017-18	Budget FY 2018-19
Checkoff supported Research projects		
End Use Quality	\$416,000	\$395,500
Crop Quality Survey	\$58,000	\$58,000
Durum Quality Research Support	\$40,000	\$40,000
End-Use Market Development	\$40,000	\$40,000
Gluten Index Varies	\$30,000	\$9,500
HRS Quality Research	\$30,000	\$30,000
HRW Quality Research Support	\$25,000	\$20,000
Kernel Bleaching of Durum	\$30,000	\$30,000
Specialty Wheat Quality Research Support	\$47,000	\$47,000
Specialty Wheat Quality Research Technician	\$58,000	\$58,000
*Steam Pasturization for Inactivation of Microorganisms in HRS Kernels	\$0	\$5,000
Technical & Info Services	\$58,000	\$58,000
Wheat Breeding/ Genetics	\$429,192	\$383,280
CRISPR/Case9 Genome Editing	\$30,000	\$30,000
Durum Breeding	\$110,000	\$110,000
Durum Germplasm Low Cadmium	\$23,200	\$20,200
Enriching the Gene Pool for Wheat Impr	\$35,000	\$35,000
Genomic Assisted HRS Breeding	\$10,912	\$0
Genomic Selection to Improve Durum Yield/Quality	\$43,080	\$43,080
HRS Wheat Breeding	\$100,000	\$125,000
HRW Breeding	\$0	\$10,000
Recurrent Genomic Selection to Accelerate Breeding Populations in Spring Wheat	\$0	\$10,000
Specialty Wheat	\$27,000	\$0
Technician: HRS Breeder	\$50,000	\$0
Agronomic/Disease/Pest Management	\$148,293	\$146,803
*Characterization of Tan Spot Resistance Genes	\$6,472	\$0
DON Testing of Durum in Western ND	\$0	\$7,080
*Durable Resistance to Insect Pests	\$3,000	\$3,000
*Durum Markers End-Use Quality Traits	\$2,620	\$0
**Eval Durum Lines Reaction/Tan Spot Pathogen Race 4	\$0	\$6,690
Eval Fungicide Seed Treatments	\$0	\$8,060
Eval Germplasm to Stem/Leaf Rust Resistance	\$25,000	\$0
FHB Resistance in Wheat	\$30,000	\$30,000
Mapping Protein w/Sensor Drone Imagery	\$0	\$10,000
New Varieties High Input Management	\$14,500	\$14,500
*Optimum Seeding Rate New Varieties	\$7,193	\$6,597
Orange Wheat Blossom Midge Survey	\$10,000	\$10,000
*Preharvest Screening Develop Durum Markers	\$5,275	\$0
*Resistance to Bacterial Leaf Streak	\$30,000	\$30,000
*Resistance to Root Lesion Nematode	\$7,120	\$6,001
*Stripe Rust Epidemics	\$4,666	\$4,875
*Stripe Rust Resistance/HRS Germplasm	\$2,447	\$0

Wheat Desiccation Trials	\$0	\$10,000
Marketing/Economics	\$123,000	\$123,000
Commodity Trading Room	\$50,000	\$50,000
Market Development Support	\$18,000	\$18,000
Strategy/Analysis for New Technology Collaborations	\$20,000	\$20,000
Upper Great Plains Transportation Institute	\$35,000	\$35,000
Other	\$95,000	\$230,000
Equipment Maintenance	\$0	\$30,000
Northern Crops Institute General Support	\$40,000	\$50,000
New Technology Research Contingency	\$0	\$100,000
Wheat Marketing Center	\$55,000	\$50,000
Soil Science	\$25,000	\$30,000
Wheat Response to Salinity	\$25,000	\$ 30,000
Total	\$1,236,485	\$ 1,308,583

*Checkoff match to grants approved by the Wheat Research Committee of the State Board of Agricultural Research and Extension (SBARE).