

## MONTANA WHEAT & BARLEY COMMITTEE - CALENDAR YEAR 2019 BUDGET

<b>RESEARCH</b>	<b>49%</b>	<b>2,126,078</b>
<b>MONTANA STATE UNIVERSITY</b>		
IPM OF WHEAT STEM SAWFLY AND OTHER INSECT PESTS OF WHEAT	WEAVER	\$278,000
ASSESSING AGRONOMIC PRACTICES TO ADVANCE CEREAL PRODUCTION IN MONTANA	MAES	\$210,000
IDENTIFYING & DEVELOPING IMPROVED BARLEY VARIETIES FOR MONTANA	SHERMAN	\$159,780
GENETICALLY IMPROVED WINTER WHEAT CULTIVARS FOR MT	BRUCKNER	\$150,000
SPRING WHEAT BREEDING AND GENETICS	TALBERT	\$140,000
BUILDING GENOMICS FOUNDATION TO ACCELERATE MT WHEAT/BARLEY IMPROVEMENT (PI CHANGE 6.21.19)	GIROUX	\$120,000
DURUM VARIETAL IMPROVEMENT & QUALITY TESTING	GIROUX	\$96,848
ADVANCE DISEASE RESISTANCE IN MONTANA'S WHEAT	A. DYER	\$92,475
VAL. OF THE EFFECTIVENESS OF ENTOMOPATHOGENS (FUNGUS & NEMATODES) & TRAP CROPS FOR MGMT OF WIREWORMS ON SPRING WHEAT	REDDY	\$90,000
IMPROVED WINTER BARLEY VARIETIES FOR MONTANA	SHERMAN	\$64,000
STRATEGIC INVESTMENT IN SARC FOR SMALL GRAINS RESEARCH IN SOUTH CENTRAL MONTANA	KEPHART	\$60,000
MOLECULAR BREEDING PIPELINE FOR WHEAT	COOK	\$60,000
INVESTIGATING ROOT GROWTH IN STAY-GREEN & LOW PROTEIN WHEAT AND BARLEY PARENTS	BAURGAULT	\$57,070
ASSESSMENT & MANAGEMENT OF PREHARVEST SPROUT & FALLING NUMBERS IN MT SMALL GRAINS	GIROUX	\$54,000
DROUGHT AND GRAIN PROTEIN CONCENTRATION	FISCHER	\$48,800
WHEAT MIDGE MANAGEMENT	REDDY	\$48,440
IMPROVED QUALITY OF MONTANA HARD RED AND HARD WHITE WHEATS (AMENDMENT 6.17.19)	NASH	\$55,150
HERBICIDE EFFECTIVENESS AND RESISTANCE IN ACIDIFIED SOILS	W. DYER	\$32,712
IMPROVING YIELD STABILITY TO CLIMATE STRESS IN WHEAT	LACHOWIEC	\$31,500
MAPPING NUTRIENT DEFICIENCY, WATER STRESS & TOXICITY W/DRONE OBSERVATIONS TO IMPROVE FERTILIZER EFFICIENCY & MGMT	POWELL	\$30,339
IMPROVING YIELD & NITROGEN USE EFFICIENCY OF SPRING WHEAT, DURUM & BARLEY BY VARIETY SELECTION	CHEN	\$30,000
MALT QUALITY ANALYSIS OF BARLEY OFF-STATION NURSERY ACROSS ENVIRONMENTS TO EMPOWER GROWER DECISIONS	SHERMAN	\$26,716
WHEAT STREAK MOSIAC VIRUS VARIETY TRIALS	BURROWS	\$25,925
WHEAT AND BARLEY VARIETY SURVEY	FULLER	\$15,000
INVESTIGATING THE EFFECTS OF FALL-PLANTED BROADLEAF CROP OPTIONS ON WINTER WHEAT IN NORTH CENTAL MT	BAURGAULT	\$14,130
EFFECT OF PLANTING DATE & MATURITY ON DISEASE INCIDENCE AND SEVERITY OF DURUM	CRUTCHER	\$13,220
SOIL CARBON ACCRUAL IN PROGRESSIVE MT CROP ROTATIONS	MILLER	\$13,000
INTEGRATED WEED MGMT IN CEREALS: CONFRONTING CHALLENGES OF HERBICIDE RESISTANCE/CARRYOVER & ACIDIC SOIL	SEIPEL	\$12,873
MSU CELEBRATE AG!! WEEKEND 2019	FRASER	\$4,000
MONTANA AG LIVE!	DECKER	\$3,500
TESTING WINTER WHEAT BREEDING LINES FOR RESISTANCE TO WHEAT STREAK MOSIAC VIRUS (AMENDMENT 6.17.19)	BURROWS	\$5,000
GLYPHOSATE CONTAMINATION OF MONTANA GRAINS (AMENDMENT 6.17.19)	W. DYER	\$6,762
MANAGEMENT OF SPOT FORM NET BLOTCH OF BARLEY IN MONTANA (AMENDMENT 6.17.19)	CRUTCHER	\$12,360
PLANT STEROIDS FOR MONTANA SMALL GRAINS DISEASE RESISTANCE (AMENDMENT 6.17.19)	LOCHAWIEC	\$23,570
ADDITIONAL SPECIAL PROJECT FUNDING FROM DECLINED RESEARCH		\$25,908
<b>WBC UNANTICIPATED SPECIAL PROJECT FUNDING - RESEARCH</b>		<b>\$15,000</b>
<b>MARKET DEVELOPMENT</b>	<b>25%</b>	<b>1,072,340</b>
<b>U.S. WHEAT ASSOCIATES, INC.</b>		
BOARD MEMBER ASSESSMENT		658,950
SPECIAL PROJECTS, TECHNICAL MEETINGS & TRADE TEAM ACTIVITIES		30,000
<b>U.S. GRAINS COUNCIL</b>		
BOARD MEMBER ASSESSMENT		73,500
SPECIAL PROJECTS & TRADE TEAM ACTIVITIES		10,000
<b>WHEAT FOODS COUNCIL</b>		
BOARD MEMBER ASSESSMENT		81,524
<b>NORTHERN CROPS INSTITUTE</b>		
GENERAL OPERATING SUPPORT		20,000
<b>NATIONAL PASTA ASSOCIATION</b>		
BOARD MEMBER ASSESSMENT		3,100
<b>NORTH DAKOTA STATE UNIVERSITY</b>		
2019 HARD RED SPRING AND DURUM QUALITY SURVEY & COLLECTION EXPENSES		22,500
2019 MONTANA BARLEY CROP QUALITY SURVEY AND REPORT		12,000
<b>WHEAT MARKETING CENTER</b>		
IMPROVING THE COMPETITIVE EDGE OF MONTANA WHEAT/GENERAL SUPPORT		80,000
MONTANA WHEAT EXPORT TOUR & WHEAT QUALITY WORKSHOPS		24,000
CONNECTING WHEAT PROFESSIONALS		10,000
<b>WHEAT QUALITY COUNCIL</b>		
WHEAT QUALITY ENHANCEMENT AND COMPARISON		4,000
<b>PLAINS GRAINS INC</b>		
2019 HRW WHEAT QUALITY SURVEY		11,766
<b>MWBC PROCUREMENT RFP/MARKETING WHEAT &amp; BARLEY CONSULTANT</b>		
TWEET CONSULTING, LLC		16,000
<b>WBC UNANTICIPATED SPECIAL PROJECT FUNDING - MARKETING</b>		<b>15,000</b>

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<b>EDUCATION AND INFORMATION</b>	<b>5%</b>	<b>224,000</b>
<b>MONTANA GRAIN GROWERS ASSOCIATION</b>		
ADVANCING THE MONTANA WHEAT INDUSTRY: ENERGY, ENVIRONMENT & CONSERVATION ACTIVITIES; WHEAT INNOVATION; PUBLIC PROMOTION & COLLABORATION AND COMPETITIVE TRANSPORTATION & TRADE		143,000
<b>MONTANA GRAIN GROWERS ASSOCIATION</b>		
ADVANCING THE MONTANA BARLEY INDUSTRY: ENHANCING THE PROFITABILITY OF THE BARLEY INDUSTRY		28,500
		1,500
<b>MONTANA FUTURE FARMERS OF AMERICA FOUNDATION</b>		
GENERAL SUPPORT		10,000
<b>MONTANA DEPARTMENT OF AGRICULTURE</b>		
		5,000
<b>MONTANA FARM BUREAU FEDERATION</b>		
YOUNG AG COUPLES CONFERENCE		5,000
<b>MSU EXTENSION</b>		
"REAL MONTANA" - RESOURCE EDUCATION & AG LEADERSHIP		5,000
<b>MWBC PROCUREMENT RFP/MEDIA OUTREACH THROUGHOUT MONTANA</b>		
BANIK COMMUNICATIONS		5,000
MEDIA OUTREACH THROUGHOUT MONTANA		6,000
<b>WBC UNANTICIPATED SPECIAL PROJECT FUNDING - EDUCATION</b>		15,000
<b>TRANSPORTATION</b>	<b>2%</b>	<b>78,602</b>
<b>MONTANA DEPARTMENT OF AGRICULTURE</b>		
CY19 RAIL ADVOCACY AND INFORMATION		45,602
<b>NORTH DAKOTA STATE UNIVERSITY/UPPER GREAT PLAINS TRANSPORTATION INSTITUTE</b>		
MONTANA WHEAT & BARLEY TRANSPORTATION ANALYSIS		18,000
<b>WBC UNANTICIPATED SPECIAL PROJECT FUNDING - TRANSPORTATION</b>		15,000
<b>OPERATIONS</b>	<b>19%</b>	<b>845,593</b>
EMPLOYEE SALARIES AND BENEFITS		412,039
CENTRALIZED SERVICES INDIRECT CHARGES		133,554
TRAVEL		110,000
MISCELLANEOUS EXPENSES		45,000
RENT		35,000
SUPPLIES AND MATERIALS		30,000
MISCELLANEOUS CONTRACTED SERVICES		25,000
COMMITTEE PER DIEM		15,000
COMMUNICATIONS		10,000
REPAIR AND MAINTENANCE		5,000
MWBC SPONSORSHIPS FOR CALENDAR YEAR 2019		25,000
<b>TOTAL CALENDAR YEAR 2019 BUDGET</b>		<b>\$4,346,613</b>