

MONTANA WHEAT & BARLEY COMMITTEE - CALENDAR YEAR 2017 BUDGET

RESEARCH		48%	2,185,154
MONTANA STATE UNIVERSITY			
INTEGRATED PEST MANAGEMENT OF WHEAT STEM SAWFLY	WEAVER		\$278,000
ASSESSING AGRONOMIC PRACTICES TO ADVANCE CEREAL PRODUCTION IN MONTANA	MAES		\$210,000
SPRING WHEAT BREEDING AND GENETICS	TALBERT		\$120,000
WINTER WHEAT BREEDING AND GENETICS	BRUCKNER		\$120,000
BUILDING GENOMICS FOUNDATION TO ACCELERATE MT WHEAT/BARLEY IMPROVEMENT	BUDAK		\$120,000
IDENTIFYING & DEVELOPING IMPROVED BARLEY VARIETIES FOR MONTANA	SHERMAN		\$104,267
ORANGE WHEAT BLOSSOM MIDGE MANAGEMENT	STOUGAARD		\$100,000
BARLEY QUALITY LAB-EMPOWERING QUALITY IMPROVEMENT THROUGH SCREENING/GENETIC DISSECTION	SHERMAN		\$99,720
EVAL. OF EFFECTIVENESS OF ENTOMOPATHOGENS FOR MGMT OF WIREWORMS ON SPRING WHEAT	REDDY		\$90,000
MOLECULAR BREEDING PIPELINE FOR WHEAT	COOK		\$60,000
DURUM VARIETAL IMPROVEMENT & QUALITY TESTING	GIROUX		\$58,095
ASSESSMENT/MGMT OF PREHARVEST SPROUT & FALLING NUMBERS IN MT WHEAT	STOUGAARD		\$54,000
ADVANCE DISEASE RESISTANCE IN MONTANA'S WHEAT	DYER		\$52,998
SCREENING FOR LOW-PHOSPHATE TOLERANCE IN SPRING WHEAT CULTIVARS ADAPTED TO MT ECOSYSTEMS	ONDOUA		\$49,407
IMPROVED QUALITY OF MONTANA HARD RED AND HARD WHITE WHEATS	NASH		\$45,750
SURVEY/MECHANISMS: MGMT OF NEWLY-EVOLVED GLYPHOSATE RESISTANT WEEDS IN MT CEREAL PRODUCTION FIELDS	JHA		\$45,540
CHARACTERIZATION /MGMT OF HERBICIDE-RESISTANT GRASSY WEEDS IN MT	JHA		\$45,540
BUILDING KNOWLEDGE ON SPRING WHEAT PLASTICITY	TORRION		\$39,837
IMPROVING YIELD-QUALITY OF SPRING WHEAT & DURUM BY CROPPING SYSTEMS/MGMT. STRATEGIES	CHEN		\$39,676
WHEAT STREAK MOSIAC VIRUS VARIETY TRIALS AND SEED TRANSMISSION	BURROWS		\$38,638
A NOVEL APPROACH TO BARLEY & WHEAT DROUGHT RESISTANCE	FISCHER		\$36,690
CREATION & YIELD TESTING OF NEW SEMI-DWARFING ALLELES	GIROUX		\$36,000
NON-HERBICIDE TECHNIQUES FOR CONTROLLING MULTIPLE HERBICIDE-RESISTANT (MHR) WILD OATS	W. DYER		\$28,840
EFFECT OF SOIL WATER STORAGE/EVAPOTRANSPIRATION ON TOTAL GRAIN/PROTEIN YIELD ON CROPPING SYSTEM SEQUENCES	ONDOUA		\$23,000
OPTICAL-SENSOR TECHNOLOGIES FOR PRECISION WEED CONTROL IN MT CEREAL PROD./HYPERSPETRAL IMAGING	JHA		\$20,400
FREQUENT, HIGH RESOLUTION OBSERVATIONS OF CROP DEVELOPMENT TO IMPROVE PREDICTIONS OF YIELD/PROTEIN CONTENT	POWELL		\$19,866
HIGH-THOROUGHPUT MALT QUALITY EQUIPMENT	SHERMAN		\$15,000
SOIL CARBON ACCRUAL IN PROGRESSIVE MT CROP ROTATIONS	MILLER		\$14,983
USING WARM-SEASON CROPS TO ENHANCE WHEAT-BASED CROPPING SYSTEM RESILIENCE - YR 2	CARR		\$14,846
COMBINING MEASUREMENTS/MODELS TO BETTER UNDERSTAND SUMMER CLIMATE IN MT'S WHEAT GROWING REGIONS	STOY		\$14,000
EFFECT OF PLANTING DATE & MATURITY ON DISEASE INCIDENCE AND SEVERITY OF DURUM	CRUTCHER		\$13,220
EQUIPMENT: STRIPPER HEADER	CARR		\$9,350
REPRINT OF PRODUCTION GUIDES FOR WHEAT AND BARLEY	MCVAY		\$8,800
CAN MYCORRHIZAL ASSOCIATIONS HELP PREPARE NEIGHBORS FOR ATTACK VIA UNDERGROUND SIGNALS?	TROWBRIDGE		\$8,206
REPRINTING OF THE WHEAT DISEASE ID GUIDE - 2016	BURROWS		\$6,000
MSU "CELEBRATE AG" 2017 AG APPRECIATION WEEKEND	FRASER		\$4,000
CONTINUING AS AN UNDERWRITER FOR "MONTANA AG LIVE"	DECKER		\$3,500
USDA AGRICULTURAL RESEARCH SERVICE			
CHARACTERIZATION OF SPOT FORM NET BLOTCH ON BARLEY IN E. MT/LAB TECHNICIAN	FRIESEN		\$40,703
ENDOPHYTIC BEAUVERIA FOR WHEAT STEM SAWFLY CONTROL PHASE 2	JARONSKI		\$58,335
NORTH DAKOTA STATE UNIVERSITY RESEARCH			
PHYSIOLOGY, NITROGEN USE EFFICIENCY, PERFORMANCE & ECONOMICS OF HRS IN RESPONSE TO SULFUR & NITROGEN	G. PRADHAN		\$37,297
WBC UNANTICIPATED SPECIAL PROJECT FUNDING - RESEARCH			
			\$650
MARKET DEVELOPMENT		26%	1,179,093
U.S. WHEAT ASSOCIATES			
BOARD MEMBER ASSESSMENT			656,200
SPECIAL PROJECTS, TECHNICAL MEETINGS & TRADE TEAM ACTIVITIES			50,000
U.S. GRAINS COUNCIL			
BOARD MEMBER ASSESSMENT			80,000
SPECIAL PROJECTS & TRADE TEAM ACTIVITIES			26,000
WHEAT FOODS COUNCIL			
BOARD MEMBER ASSESSMENT			79,627
NORTHERN CROPS INSTITUTE			
GENERAL OPERATING SUPPORT			30,000
NATIONAL PASTA ASSOCIATION			
BOARD MEMBER ASSESSMENT (ON-LINE APPLICATION)			3,000
2017 PASTA FITS CAMPAIGN			4,000
NORTH DAKOTA STATE UNIVERSITY			
2017 HARD RED SPRING AND DURUM QUALITY SURVEY & COLLECTION EXPENSES			22,500
2017 MONTANA BARLEY CROP QUALITY SURVEY AND REPORT			12,000
WHEAT MARKETING CENTER			
IMPROVING THE COMPETITIVE EDGE OF MONTANA WHEAT/GENERAL SUPPORT			80,000
MONTANA WHEAT EXPORT TOUR & WHEAT QUALITY WORKSHOPS			26,000
CONNECTING WHEAT PROFESSIONALS			10,000

<u>MARKET DEVELOPMENT - Continued</u>		
MONTANA DEPARTMENT OF AGRICULTURE - STATE GRAIN LAB		
GRAIN INSPECTION AND ANALYSIS EQUIPMENT		40,000
WHEAT QUALITY COUNCIL		
WHEAT QUALITY ENHANCEMENT AND COMPARISON		4,000
PLAINS GRAINS INC		
2017 HRW WHEAT QUALITY SURVEY		11,766
PERSONAL CONTRACT/BARLEY CONSULTANT-EXPERT		
DAVE TWEET/TWEET CONSULTING, LLC		24,000
WBC UNANTICIPATED SPECIAL PROJECT FUNDING - MARKETING		20,000
<u>EDUCATION AND INFORMATION</u>	6%	271,905
MONTANA GRAIN GROWERS ASSOCIATION		
ENERGY, ENVIRONMENT & CONSERVATION ACTIVITIES		36,750
WHEAT INNOVATION		36,750
PUBLIC PROMOTION & COLLABORATION		36,750
COMPETITIVE TRANSPORTATION & TRADE		36,750
MONTANA GRAIN GROWERS ASSOCIATION		
ENHANCING THE PROFITABILITY OF THE BARLEY INDUSTRY		27,405
MONTANA FUTURE FARMERS OF AMERICA FOUNDATION		
GENERAL SUPPORT		10,000
MONTANA DEPARTMENT OF AGRICULTURE		
YOUNG AG COUPLES CONFERENCE		7,000
AGRICULTURAL STATISTICS		25,000
MONTANA FARM BUREAU FEDERATION		
YOUNG AG LEADERSHIP CONFERENCE		8,000
MSU EXTENSION		
"REAL MONTANA" - RESOURCE EDUCATION & AG LEADERSHIP		10,000
MONTANA WHEAT & BARLEY COMMITTEE		
MEDIA OUTREACH THROUGHOUT MONTANA		17,500
WBC UNANTICIPATED SPECIAL PROJECT FUNDING - EDUCATION		20,000
<u>TRANSPORTATION</u>	2%	86,400
EXPERT RAIL REPRESENTATION		
CALENDAR YEAR 2017 ALLIANCE FOR RAIL COMPETITION (ARC) MEMBERSHIP		5,000
NORTH DAKOTA STATE UNIVERSITY/UPPER GREAT PLAINS TRANSPORTATION INSTITUTE		
MONTANA WHEAT & BARLEY TRANSPORTATION ANALYSIS: PILOT PHASE		21,400
WBC UNANTICIPATED SPECIAL PROJECT FUNDING - TRANSPORTATION		60,000
<u>OPERATIONS</u>	18%	829,705
EMPLOYEE SALARIES AND BENEFITS		394,250
CENTRALIZED SERVICES		135,455
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		10,000
MWBC SPONSORSHIPS FOR CALENDAR YEAR 2017		20,000
<u>TOTAL CALENDAR YEAR 2017 BUDGET</u>		\$4,552,257