

# Colorado Agricultural Experiment Station

## Active Research Projects

Project Number	Title	Multi State No.	Principal Investigator	Department Name	Acct. Dept.	CRIS Number	Budget Source	Begin Date	Term. Date	Note
COL00201B	Management and Utilization of Plant Genetic Resources and Associated Information	W006	Morris, G	Soil and Crop Sciences	1170	1011374	MS Hatch	11/1/2016	9/30/2021	
COL00202	Integrated Onion Pest and Disease Management	W3008	Uchanski, M	Horticulture and Landscape Architecture	1173	1014477	MS Hatch	11/8/2017	9/30/2022	
COL00205A	Specialty Crops and Food Systems: Exploring Markets, Supply Chains and Policy Dimensions	S1067	Thilmany, DD	Agricultural and Resource Economics	1172	1008746	MS Hatch	10/22/2015	9/30/2020	Terminated
COL00205B	Specialty Crops and Food Systems: Exploring Markets, Supply Chains and Policy Dimensions	S1088	Thilmany, D	Agricultural and Resource Economics	1172	1024827	MS Hatch	10/30/2020	9/30/2025	New
COL00211D	Management and Policy Challenges in a Water-Scare World	W4190	Goemans, C	Agricultural and Resource Economics	1172	1021600	MS Hatch	12/5/2019	9/30/2024	
COL00215D	Enhancing Rural Economic Opportunities, Community Resilience, and Entrepreneurship	NE1749	Thilmany, DD	Agricultural and Resource Economics	1172	1016283	MS Hatch	7/1/2018	9/30/2022	
COL00216B	Enhancing Microbial Food Safety by Risk Analysis	S1077	Yang, H	Animal Science	1171	1018217	MS Hatch	11/14/2018	9/30/2023	
COL00217A	Multistate Agricultural Literacy Research	W3006	Martin, M	Agricultural and Resource Economics	1172	2032239	MS Hatch	12/5/2019	9/30/2024	
COL00218A	Water Management and Quality for Ornamental Crop Production and Health	NC1186	Bauerle, W	Horticulture and Landscape Architecture	1173	1008405	MS Hatch	10/1/2015	9/30/2020	Terminated
COL00218B	Water Management and Quality for Specialty Crop Production and Health	NC1186	Bauerle, W	Horticulture and Landscape Architecture	1173	1024826	MS Hatch	10/30/2020	9/30/2025	New
COL00220C	Reproductive Performance in Domestic Ruminants	W3112	Hansen, T	Biomedical Sciences	1680	1011648	MS Hatch	11/21/2016	9/30/2021	
COL00222C	Biological Control in Pest Management Systems of Plants	W4185	Hufbauer, R	Agricultural Biology	1177	1014792	MS Hatch	11/27/2017	9/30/2022	
COL00224A	Personal Protective Technologies for Current and Emerging Occupational and Environmental Hazards	NC170	Morris, K	Design and Merchandising	1574	1014572	MS Hatch	10/24/2017	9/30/2022	
COL00226B	National Animal Genome Research Program	NRSP8	Thomas, M	Animal Science	1171	1018190	MS Hatch	11/8/2018	9/30/2023	
COL00229A	EFNEP Related Research, Program Evaluation and Outreach	NC3169	Baker, S	Food Science and Human Nutrition	1571	1018030	MS Hatch	11/5/2018	9/30/2022	
COL00232A	U.S. Agricultural Trade and Policy in a Dynamic Global Market Environment	S1072	Countryman, A	Agricultural and Resource Economics	1172	1016945	MS Hatch	10/1/2018	9/30/2023	
COL00233A	Renewing an Agriculture of the Middle: Value Chain Design, Policy Approaches, Environmental and Social Impacts	NC1198	Jablonski, R	Agricultural and Resource Economics	1172	1014435	MS Hatch	10/4/2018	9/30/2022	

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COL00234	Food systems, health, and well-being: understanding complex relationships and dynamics of change	NC1196	Berning, J	Agricultural and Resource Economics	1172	1023074	MS Hatch	7/23/2020	9/30/2021	New
COL00235	Breeding Phaseolus Beans for Resilience, Sustainable Production, and Enhanced Nutritional Value	W4150	Munoz Amatriain,	Soil and Crop Sciences	1170	1024699	MS Hatch	10/1/2020	9/30/2025	New
COL00238D	Costs and Benefits of Natural Resources on Public and Private Lands: Management, Economic Valuation, and Integrated Decision-Making	W4133	Manning, D	Agricultural and Resource Economics	1172	1014436	MS Hatch	10/1/2017	9/30/2022	
COL00240	Industrial Hemp Production, Processing, and Marketing in the U.S.	S1084	McKay, J	Agricultural Biology	1177	1018158	MS Hatch	12/1/2018	9/30/2023	
COL00241A	Optimizing and Characterizing Sustainable Beef Cattle Production in Forage Based Systems on Western	W3012	Ahola, J	Animal Science	1171	1023073	MS Hatch	7/31/2020	9/30/2023	New
COL00271D	Beneficial and Adverse Effects of Natural Chemicals on Human Health and Food Safety	W4122	Weir, T	Food Science and Human Nutrition	1571	1014571	MS Hatch	12/12/2017	9/30/2022	
COL00276A	Enhancing the Competitiveness and Value of U.S. Beef	W4177	Narayanan Nair, M	Animal Science	1171	1014701	MS Hatch	10/26/2017	9/30/2022	
COL00280A	Multi-state Coordinated Evaluation of Winegrape Cultivars and Clones	NE1720	Caspari, H	Western Colorado Research Center	3046	1014339	MS Hatch	10/1/2017	9/30/2022	
COL00285B	Improving Economic and Environmental Sustainability in Tree-Fruit Production Through Changes in Rootstock Use	NC140	Minas, I	Western Colorado Research Center	3046	1014340	MS Hatch	10/1/2017	9/30/2022	
COL00292D	Beneficial Use of Residuals to Improve Soil Health and Protect Public, and Ecosystem Health	W4170	Ippolito, J	Soil and Crop Sciences	1170	1020695	MS Hatch	10/1/2019	9/30/2024	
COL00293D	Germ Cell and Embryo Development and Manipulation for the Improvement of Livestock	W4171	Winger, Q	Biomedical Sciences	1680	1021217	MS Hatch	1/1/2020	9/30/2024	
COL00294C	Impacts of Stress Factors on Performance, Health, and Well-Being of Farm Animals (from W2173)	W3173	Engle, TE	Animal Science	1171	1011277	MS Hatch	10/1/2016	9/30/2021	
COL00299	Regional Research Coordination, Western Region	W106	Kelly, E	AES Director's Office	3001	0024381	MS Hatch	10/1/1999	9/30/2029	
COL00400	Predicting bi-weekly forage quality from satellite imagery: Integrating plant phenology and forage quality to		Ocheltree, T	Forest and Rangeland Stewardship	1472	1023430	Hatch	7/15/2020	6/30/2023	New
COL00401	Prescribed fire monitoring through UAS remote sensing in woodland and rangeland systems: characterizing		Tinkham, W	Forest and Rangeland Stewardship	1472	1022679	Hatch	7/1/2020	6/30/2023	New
COL00402	Islands of Opportunity: Targeted restoration of degraded Colorado salt desert rangelands within remnant and		Paschke, M	Forest and Rangeland Stewardship	1472	1022680	Hatch	7/1/2020	6/30/2023	New
COL00403	Development of molecular tools to study movement of Potato virus Y in susceptible and resistant varieties		Nalam, V	Agricultural Biology	1177	1023767	Hatch	7/22/2020	6/30/2023	New
COL00404	Aligning agricultural crops with the challenges of the aging global population: Plants for healthy brains		Hamilton, K	Health & Exercise Science	1582	1025018	Hatch	11/17/2020	9/30/2022	New
COL00405	Metabolism and Exudation of Cover Crops and Effects on Soil Health		Prezni, J	Horticulture and Landscape Architecture	1173	1023072	Hatch	7/1/2020	6/30/2025	New

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COL00406		Exploring the hemp virome for monitoring insect vector-borne viruses and viroids Nachappa, P	Agricultural Biology	1177	1023075	Hatch	7/1/2020	6/30/2023	New
COL00407		Edible Cricket: Good for the Globe and for the Gut? Weir, T	Food Science and Human Nutrition	1571		Hatch			New-waiting on PD
COL00408		Cellulose Nanocrystals Derived from Hemp Waste for Developing Microbial-Sensing "Smart" Wipes for Li, Y	Design and Merchandising	1574	1025289	Hatch	12/11/2020	6/30/2022	New
COL00409		Establishing a co-produced rangeland restoration network: Testing techniques to increase native plant cover Havrilla, C	Forest and Rangeland Stewardship	1472	1025017	Hatch	1/1/2021	6/30/2023	New
COL00508		Identifying reservoirs and insect vectors of pine wilt disease in the Front Range Davis, T	Forest and Rangeland Stewardship	1472	1016206	McStennis	7/1/2018	6/30/2020	Terminated
COL00509		Tree regeneration niches and microsites are the keys to maintaining resilience of Colorado forests to disturbance Redmond, M	Forest and Rangeland Stewardship	1472	1016208	McStennis	7/1/2018	6/30/2020	Terminated
COL00511		Evaluation of UAV-Based Remote Sensing Techniques for Characterizing Individual Tree Parameters Tinkham, W	Forest and Rangeland Stewardship	1472	1016209	McStennis	7/1/2018	6/30/2020	Terminated
COL00516		A Neural Network Approach to Understand Forest Restoration Prioritization in Colorado Wei, Y	Forest and Rangeland Stewardship	1472	1022906	McStennis	7/1/2020	6/30/2022	New
COL00517		Restoration is in the eye of the bee-holder: The Influence of Ecological Restoration Treatments on Pollinator Davis, TS	Forest and Rangeland Stewardship	1472	1022907	McStennis	7/1/2020	6/30/2022	New
COL00518		Can Ponderosa Pine Keep Pace with Climate Change? Identifying Management Options to Overcome Redmond, M	Forest and Rangeland Stewardship	1472	1022908	McStennis	7/1/2020	6/30/2022	New
COL00519		Promoting Forest Health and Resiliency through Forest Carbon Markets: Exploring New Technologies and Evangelista, P	Natural Resource Ecology Lab	1499	1022909	McStennis	7/1/2020	6/30/2022	New
COL00607A		Genetic Improvement in Beef Management Systems Enns, RM	Animal Science	1171	1006304	Hatch	7/1/2015	6/30/2020	Terminated
COL00607B		Genetic Improvement in Beef Management Systems Enns, RM	Animal Science	1171	1022682	Hatch	7/1/2020	6/30/2025	New
COL00608A		Management of Forages in Colorado for Improved Yield and Quality Brummer, JE	Soil and Crop Sciences	1170	1010156	Hatch	7/1/2016	6/30/2021	
COL00609B		Precision Agriculture and Big-Data to Enhance Production; Nitrogen and Water Use Efficiency of Irrigated Cropping Systems Khosla, R	Soil and Crop Sciences	1170	1012940	Hatch	7/1/2017	6/30/2022	
COL00612B		Determining the consumptive water use of crops in Colorado for efficient irrigation Andales, AA	Soil and Crop Sciences	1170	1019719	Hatch	7/1/2019	6/30/2024	
COL00615A		Research and Education to Enhance the Sustainability of Farming in Southwestern Colorado Russell, K	Southwestern Colorado Research Center	3050	1006308	Hatch	7/1/2015	6/30/2020	Terminated
COL00615B		Adapting to Challenges to Improve the Resilience of Farming in Southwestern Colorado Russell, K	AES Director's Office	3001	1022867	Hatch	7/1/2020	6/30/2025	New
COL00618B		Responding to critical issues involving insects associated with Horticultural Crops and Landscape Plants in Colorado Cranshaw, W	Agricultural Biology	1177	1009893	Hatch	7/1/2016	6/30/2021	

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COL00623A		Integrated Weed Management Strategies for Aquatic Plants and Winter Annual Grasses Nissen, SJ	Agricultural Biology	1177	1006596	Hatch	7/1/2015	6/30/2020	Terminated
COL00645A		Support and Enhancement of the C. P. Gillette Museum of Arthropod Diversity Kondratieff, BC	Agricultural Biology	1177	1006597	Hatch	7/1/2015	6/30/2020	Terminated
COL00645B		Support and Enhancement of the C. P. Gillette Museum of Arthropod Diversity Kondratieff, B	Agricultural Biology	1177	1022866	Hatch	7/1/2020	6/30/2023	New
COL00646A		Biology and management of arthropod pests of winter wheat in Colorado Peairs, FB	Agricultural Biology	1177	1006599	Hatch	7/1/2015	6/30/2020	Terminated
COL00646B		Biology and management of arthropod pests of winter wheat in Colorado Peairs, F	Agricultural Biology	1177	1022865	Hatch	7/1/2020	6/30/2025	New
COL00647A		Functional Global Weed Genomics and Sustainable Weed Management for Colorado Westra, P	Agricultural Biology	1177	1010362	Hatch	8/18/2016	6/30/2021	
COL00654A		Sustainable Farming Practices, Crop Management and Sorghum Improvement Larson, KJ	Plainsman Research Center	3044	1006327	Hatch	7/1/2015	6/30/2020	Terminated
COL00654B		Sustainable Farming Practices, Crop Management and Sorghum Improvement Larson, KJ	Plainsman Research Center	3044	1022585	Hatch	7/1/2020	6/30/2025	New
COL00658A		Water Reuse, Saltgrass Selection, and Carbon Footprint of Urban Turfgrass Systems Qian, YL	Horticulture and Landscape Architecture	1173	1009722	Hatch	7/1/2016	6/30/2021	
COL00670B		Sustainable U.S. beef production Archibeque, S	Animal Science	1171	1020229	Hatch	7/1/2019	6/30/2024	
COL00680B		Evolutionary Ecology of Range Expansions, Pests, and Biological Control Hufbauer, R	Agricultural Biology	1177	1012868	Hatch	7/1/2017	6/30/2022	
COL00681A		National Genetic Evaluation of Beef Cattle Enns, RM	Animal Science	1171	1010007	Hatch	7/1/2016	6/30/2021	
COL00682A		Modeling and Management of Salinity in Irrigated Regions Affected by Tile Drain Networks Bailey, R	Civil and Environmental Engineering	1372	1015936	Hatch	7/1/2018	6/30/2020	Terminated
COL00699A		Changing sources of ammonia in NE Colorado Collett, JL	Atmospheric Science	1371	1006307	Hatch	7/1/2015	6/30/2020	Terminated
COL00699B		Ammonia concentrations in agricultural and urban regions of NE Colorado Collett, JL	Atmospheric Science	1371	1022587	Hatch	7/1/2020	6/30/2025	New
COL00703B		Monitoring Colorado's Climate for Applications in Agriculture and Natural Resources Schumacher, R	Atmospheric Science	1371	1012863	Hatch	7/1/2017	6/30/2022	
COL00711B		Development of Cultivar Specific Management Guidelines for New and Existing Potato Cultivars Essah, S	San Luis Valley Research Center	3043	1019850	Hatch	7/1/2019	6/30/2024	
COL00712A		Development of New Potato Cultivars for Colorado Via Germplasm Enhancement and Evaluation Holm, DG	San Luis Valley Research Center	3043	1009902	Hatch	7/1/2016	6/30/2021	
COL00713B		Introduction, Adaptability, Production and Survival of Landscape Plants in Colorado Klett, J	Horticulture and Landscape Architecture	1173	1016129	Hatch	7/1/2018	6/30/2023	

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COL00716B		Postharvest Studies in Potatoes, Peppers, and Melons to Enhance Quality and Marketability Jayanty, S	San Luis Valley Research Center	3043	1019849	Hatch	7/1/2019	6/30/2024	
COL00717A		Vegetable Crop Management in the Arkansas Valley Bartolo, ME	Arkansas Valley Research Center	3040	1006482	Hatch	7/1/2015	6/30/2020	Terminated
COL00728A		Improving Cropping System Resilience through Diversification and Soil Conservation Schipanski, M	Soil and Crop Sciences	1170	1019781	Hatch	7/1/2019	6/30/2024	
COL00732		Harnessing Ecology to Improve Management of Invasive Plants Brown, CS	Agricultural Biology	1177	1009857	Hatch	7/1/2016	6/30/2021	
COL00733		Management Strategies to Maximize Orchard Productivity and Quality Potential Minas, I	Western Colorado Research Center	3046	1009721	Hatch	7/1/2016	6/30/2021	
COL00734		A systems approach to understanding combined biotic and abiotic stress responses in plants Leach, JE	Agricultural Biology	1177	1009898	Hatch	7/1/2016	6/30/2021	
COL00735		Identification of metabolic, morphological, and physiological factors that influence sorghum whole-plant preflowering drought response Jahn, CE	Agricultural Biology	1177	1009895	Hatch	7/1/2016	6/30/2021	
COL00736A		Understanding the impacts of forest pathogens in western forests in the presence of increased drought and warming climates Stewart, J	Agricultural Biology	1177	1020029	Hatch	7/8/2019	6/30/2022	
COL00737B		Molecular-Marker-Assisted Analysis of Quantitative Traits in Wheat and Dry Beans Byrne, PF	Soil and Crop Sciences	1170	1012823	Hatch	7/1/2017	1/19/2021	Terminated
COL00738		Managing Soils and Agroecosystems for Long-Term Functioning and Multiple Ecosystem Services Fonte, S	Soil and Crop Sciences	1170	1010074	Hatch	7/1/2016	6/30/2021	
COL00743A		Combining High Throughput Phenotyping in the field and Genome-wide analysis to discover beneficial alleles for yield McKay, JK	Agricultural Biology	1177	1006619	Hatch	7/1/2015	6/30/2020	Terminated
COL00743B		Combining High Throughput Phenotyping in the field and Genome-wide analysis to discover beneficial alleles McKay, J	Agricultural Biology	1177	1023353	Hatch	7/1/2020	6/30/2025	New
COL00746B		Evaluating Yellow Toadflax Biological Controls Norton, AP	Agricultural Biology	1177	1012869	Hatch	7/1/2017	6/30/2022	
COL00753B		Management of Arthropod Pests in Colorado Field Crops Peairs, FB	Agricultural Biology	1177	1012870	Hatch	7/1/2017	6/30/2022	
COL00755		Finding Ways to Mitigate Irrigation-Induced Uranium Contamination in an Irrigated River Valley while Sustaining Crop Productivity Gates, T	Civil and Environmental Engineering	1372	1012864	Hatch	7/1/2017	6/30/2020	Terminated
COL00756		Impact of Riparian Vegetation on the Irrigation-Influenced Water Balance in the Lower Arkansas River Valley Morrison, R	Civil and Environmental Engineering	1372	1012865	Hatch	7/1/2017	6/30/2020	Terminated
COL00757		Rewiring Anaerobic Digestion: Developing New Technologies for Production of Biofuel Intermediates and High-Value Chemicals for Cellulosic Wastes De Long, S	Civil and Environmental Engineering	1372	1012866	Hatch	7/1/2017	6/30/2020	Terminated
COL00757A		Enabling Recovery of High Value Products from Manure: Advanced Anaerobic Digestion at Low pH De Long, S	Civil and Environmental Engineering	1372	1023071	Hatch	7/1/2020	6/30/2023	New
COL00760		Exploring linkages between above and belowground diversity to maximize soil functional capacity in Dryland agricultural systems Trivedi, P	Agricultural Biology	1177	1012941	Hatch	7/1/2017	6/30/2022	

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COL00761		Phytochemical Diversity of Potato and Association to Human Nutrition and Health Heuberger, A	Horticulture and Landscape Architecture	1173	1013251	Hatch	7/1/2017	6/30/2022	
COL00762		Certification of Potato Seed for the Improvement of the Potato Industry in Colorado Houser, A	Horticulture and Landscape Architecture	1173	1013080	Hatch	7/5/2017	6/30/2022	
COL00764		Specialty Crops Production Research for Colorado Growers Uchanski, M	Horticulture and Landscape Architecture	1173	1013252	Hatch	7/1/2017	6/30/2022	
COL00767		Surveying biological and functional diversity of insect pollinators in rangeland habitats of Colorado Davis, T	Forest and Rangeland Stewardship	1472	1012942	Hatch	7/1/2017	6/30/2020	Terminated
COL00768		Building a basic science knowledge base for Gambel oak woodland management in Colorado Ex, S	Forest and Rangeland Stewardship	1472	1012943	Hatch	7/1/2017	6/30/2020	Terminated
COL00769		Intersectionality and Collaborative Adaptive Management in Rangeland Decision-making Fernandez-Gimene	Forest and Rangeland Stewardship	1472	1012944	Hatch	7/1/2017	6/30/2020	Terminated
COL00770		Shifting the conversation on poisonous plants: Toward a complex systems-based framework for managed grazing on rangelands with Geyer larkspur Ocheltree, T	Forest and Rangeland Stewardship	1472	1012945	Hatch	7/1/2017	6/30/2020	Terminated
COL00771		What does it take to kill a grass? Improving the resilience of ranching operations through a new understanding of drought-induced mortality of perennial grasses. Ocheltree, T	Forest and Rangeland Stewardship	1472	1013337	Hatch	7/1/2017	6/30/2020	Terminated
COL00772		Developing Sensing Technologies for Smart Farming Practices in an Internet-of-Ag-Things World Ham, J	Soil and Crop Sciences	1170	1013254	Hatch	8/2/2017	6/30/2022	
COL00773		Developing viable and sustainable cropping systems for western Colorado through adoption of conservation practices, diversification, and intensification Keshavarz Afshar,	AES Director's Office	3001	1015937	Hatch	7/1/2018	6/30/2023	
COL00774		Recovery of Soluble Nitrogen Fertilizer from Manure and Animal Byproducts in Anaerobic Digesters Sharvelle, S	Civil and Environmental Engineering	1372	1015938	Hatch	7/1/2018	6/30/2020	Terminated
COL00775		Effects of Urban Water Conservation on Agricultural Water Supply in the South Platte River Basin Bhaskar, A	Civil and Environmental Engineering	1372	1015939	Hatch	7/1/2018	6/30/2021	
COL00776		Microgreens: A Novel Food Crop for Sustainably Diversifying Food Systems and Promoting Human Health Johnson, S	Food Science and Human Nutrition	1571	1016130	Hatch	7/1/2018	6/30/2020	Terminated
COL00777		Purple Majesty Potato Bioactive Compounds: Linking Nutrition to Beneficial Health Outcomes Foster, M	Food Science and Human Nutrition	1571	1016259	Hatch	7/1/2018	6/30/2020	Terminated
COL00778		Development and Pilot Testing of a Series of Cooking Activities for Low Income 4th Graders Cunningham-Sabo,	Food Science and Human Nutrition	1571	1016534	Hatch	7/23/2018	6/30/2020	Terminated
COL00780A		Soil Health in Turfgrass Systems: Measurement, Assessment and Enhancement Koski, A	Horticulture and Landscape Architecture	1173	1010240	Hatch	8/9/2016	6/30/2021	
COL00781		Chemical Priming of Plant Defenses for Increased Crop Protection Argueso, C	Agricultural Biology	1177	1016247	Hatch	7/1/2018	6/30/2023	
COL00782		Impact of phytochemical nutrients on bumblebee health and longevity Bjostad, L	Agricultural Biology	1177	1016270	Hatch	7/1/2018	6/30/2023	
COL00783		Understanding and Diagnosing Herbicide Resistance in Weeds Gaines, T	Agricultural Biology	1177	1016207	Hatch	7/1/2018	6/30/2023	

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COL00784	Biological control of <i>Lepidium draba</i>		Ode, P	Agricultural Biology	1177	1016267	Hatch	7/1/2018	6/30/2023	
COL00785	Metabolic Fate of Herbicides in Crops and Weeds		Dayan, F	Agricultural Biology	1177	1016591	Hatch	7/1/2018	6/30/2023	
COL00786	Mutagenesis for Novel Trait Development in Wheat		Pearce, S	Soil and Crop Sciences	1170	1017671	Hatch	10/1/2018	6/30/2021	
COL00787	Biological Sulfur Recovery from Agricultural Anaerobic Digestion Systems to Reduce Hydrogen Sulfide Emissions and Improve Process Performance		Carlson, KH	Civil and Environmental Engineering	1372	1020028	Hatch	7/1/2019	6/30/2021	
COL00788	Assessment of Acoustic Flow Measurement Devices used for Agricultural Water Management		Venayagamoorthy,	Civil and Environmental Engineering	1372	1020027	Hatch	7/1/2019	6/30/2022	
COL00789	Dissemination of a Mindfulness Intervention for Prevention of Excess Weight Gain for High-Risk Teens Participating in a Mentoring Program		Lucas-Thompson,	Human Development and Family Studies	1570	1019720	Hatch	7/1/2019	6/30/2021	
COL00790	Examination of Anti-obesogenic Mechanisms Associated with Common Bean Intake		Foster, M	Food Science and Human Nutrition	1571	1019721	Hatch	7/1/2019	6/30/2021	
COL00791	Management of foliar and soil-borne potato diseases in the San Luis Valley		Mattupalli, C	AES Director's Office	3001	1020030	Hatch	7/1/2019	6/30/2024	
COL00792	Sustainability Metrics and Tools for Promoting Climate Mitigation and Healthy Soils		Paustian, KH	Soil and Crop Sciences	1170	1020064	Hatch	7/1/2019	6/30/2024	
COL00793	Carbon dioxide enrichment in controlled environments: Overcoming acclimation responses for enhanced		Craver, J	Horticulture and Landscape Architecture	1173	1022681	Hatch	4/17/2020	6/30/2024	New
COL00794	Quantifying Salinity Controls and Crop Water Footprint in Irrigated Stream-Aquifer Systems		Bailey, R	Civil and Environmental Engineering	1372	1022683	Hatch	7/1/2020	6/30/2022	New
COL00795A	Improvement of Quality and Performance of Colorado Wheat		Esten, M	Soil and Crop Sciences	1170	1009899	Hatch	7/1/2016	6/30/2021	
COL00796	Calibration and Evaluation of a Multi-Scale Spatially Distributed ET Algorithm		Chavez, J	Civil and Environmental Engineering	1372	1022588	Hatch	7/1/2020	6/30/2023	New
COL00797	Multi-Sensor Estimation of Daily Rootzone Soil Moisture at a Fine Resolution for Agricultural Regions		Niemann, J	Civil and Environmental Engineering	1372	1022589	Hatch	7/1/2020	6/30/2023	New
COL00798	Developing Best Practices for Managing Canal Seepage Using Biopolymer Sealants		Scalia, J	Civil and Environmental Engineering	1372	1022590	Hatch	7/1/2020	6/30/2023	New
COL00799	Assessing the Feasibility of Membrane-based Treatment of Oil and Gas Produced Water for Agricultural		Tong, T	Civil and Environmental Engineering	1372	1022591	Hatch	7/1/2020	6/30/2023	New

# of projects: 128