



2024 - 25 Agriculture Funding Consortium (AFC) Research Projects

- 31 projects funded through the 2024–25 AFC, totaling \$9,090,179.
- Includes only projects with fully executed agreements as of June 10, 2025.
- Check back in December 2025 for updates.

Application ID	Principal Investigator	Organization	Project Name	AFC Funding Approved	Funders
2025F3465R	Monica Klaas	Alberta Seed Processors	The Need for Feed - Silage RVTs v2.0	\$ 650,000	Alberta Beef Producers, RDAR
2025F3496R	Faizal Careem	University of Calgary	Interaction of hatchery vaccination and maternal antibodies applicable to infectious bronchitis (IB) in broilers raised in Alberta	\$ 149,960	Alberta Chicken Producers, RDAR
2025F3517R	Hiroshi Kubota	Agriculture and Agri-Food Canada - Lacombe	Developing a non-destructive method to predict the risk of lodging at the early crop growth stage in barley	\$ 257,075	RDAR
2025F3564R	Glen Uhrig	University of Alberta	Utilizing a multi-Omics approach to develop enhanced phosphate use efficiency in canola	\$ 328,211	RDAR
2025F3586R	Karen Schween-Lardner	University of Saskatchewan	Exposure to wood smoke: Does it impact pullet behaviour, growth, or health?	\$ 33,600	Egg Farmers of Alberta, RDAR
2025F3587R	Faizal Careem	University of Calgary	Optimization of egg yolk antibody quantification as an alternative to serology for layer flock monitoring	\$ 149,868	Egg Farmers of Alberta, RDAR
2025F3594R	Karin Orsel	University of Calgary	The on-farm quantification of lameness detection and treatment effect	\$ 180,389	RDAR
2025F3598R	Kim Stanford	University of Lethbridge	New Strategies for prevention and control of pathogenic biofilms in slaughter plants	\$ 377,343	Alberta Beef Producers, RDAR
2025F3605R	Frank van der Meer	University of Calgary	Monitoring and preparedness for H5N1 influenza in bovines and porcines	\$ 239,833	Alberta Innovates, RDAR

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2025F3620R	Stephen Strelkov	University of Alberta	Evaluation of mechanisms leading to emergence of new clubroot pathotypes	\$ 341,550	Alberta Canola Producers Commission, RDAR, Saskatchewan Oilseeds Development Commission
2025F3636R	Changxi Li	Agriculture and Agri-Food Canada - Lacombe	Development and validation of molecular indicators of heterosis to enhance performance in beef cattle	\$ 229,757	Alberta Beef Producers, RDAR
2025F3647R	Trushar Patel	University of Lethbridge	Towards Understanding Honeybee – Virus Communications	\$ 298,000	Alberta Innovates, RDAR
2025F3648R	Jennifer Retzlaff	Alfalfa Seed Commission of Alberta	Optimizing leafcutter bee incubator management to control the critically damaging parasitoid pest, <i>Pteromalus venustus</i>	\$ 176,290	RDAR
2025F3649R	Ruurd Zijlstra	University of Alberta	Feed and water quality strategies to replace high zinc nursery pig diets	\$ 255,553	RDAR
2025F3661R	Maricor Jane Arlos	University of Alberta	Innovative low-energy solutions: constructed wetlands as a polishing step for lagoon wastewater reuse for irrigation	\$ 628,130	Alberta Innovates, RDAR
2025F3662R	Michele Korschuh	University of Lethbridge	Evaluating differences in soil health parameters in irrigation expansion acres	\$ 310,500	RDAR
2025F3676R	Ravinder Goyal	Agriculture and Agri-Food Canada - Lacombe	Exploiting the secret of root exudates of non-host crops to develop a smart rotation strategy for the management of <i>Aphanomyces</i> root rot in field pea	\$ 434,380	Alberta Pulse Growers Commission, RDAR
2025F3680R	Brielle Rosa	University of Calgary	Antiparasitic Drug Discovery from Alberta Flora	\$ 213,900	RDAR

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2025F3687R	Guanqun (Gavin) Chen	University of Alberta	Developing canola lines with higher yield and better drought resilience through the regulation of transcription factors	\$ 335,800	Alberta Canola Producers Commission, RDAR, Saskatchewan Oilseeds Development Commission
2025F3691R	Justin Pahara	Agriculture and Agri-Food Canada - Lethbridge	Screening RNA penetration to achieve gene knockdown in plants for the development of Smart Crop Technologies	\$ 315,964	Alberta Grains, Alberta Pulse Growers Commission, Manitoba Crop Alliance, RDAR
2025F3696R	Ken Coles	Farming Smarter	Double cropping options for diversified feedlot systems.	\$ 364,320	Alberta Beef Producers, RDAR
2025F3697R	Juan Hernandez-Medrano	University of Calgary	Estimating Methane Emissions from Dairy Cows through Milk Metabolite Profiling	\$ 331,476	Alberta Innovates, Western Dairy Collaboration
2025F3699R	Hari Poudel	Agriculture and Agri-Food Canada - Lethbridge	Enhancement of shoot lipids in perennial legumes forages using genomics and advanced molecular breeding tools	\$ 444,700	Alberta Beef Producers, RDAR
2025F3700R	Tim McAllister	Agriculture and Agri-Food Canada - Lethbridge	Synergistic Rumen Microbial Consortia: A Probiotic Approach to Augmenting Feed Utilization Efficiency	\$ 162,585	Alberta Beef Producers, Western Dairy Collaboration, RDAR
2025F3710R	Ken Coles	Farming Smarter	Managing herbicide-resistant kochia in low-lying and saline areas	\$ 247,200	Western Grains Research Foundation
2025F3715R	Tim McAllister	Agriculture and Agri-Food Canada - Lethbridge	Phenotypic and genotypic characterization of antimicrobial resistance of bovine respiratory disease complex neglected bacteria	\$ 143,520	Alberta Beef Producers, RDAR

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2025F3716R	Filippo Miglior	Lactanet Canada	Genetics for Sustainability: Navigating the Synergies/Trade-Off between Adaptation and Emission Reduction in Alberta Dairy Cattle	\$ 585,500	Alberta Innovates
2025F3718R	Ken Coles	Farming Smarter	No cutting corners- Realizing the sustainable potential of dryland corners	\$ 100,000	RDAR
2025F3722R	Patricia Veiga Wolf	Northwestern Polytechnic	Detection of miticide resistance in Varroa destructor mite population in Canadian apiaries	\$ 195,300	RDAR
2025F3724R	Sarah Wood	University of Saskatchewan	Safety and efficacy of overwinter miticide treatments for honey bee colonies in western Canada	\$ 352,475	RDAR
2025F3726R	Willemijn Appels	Lethbridge Polytechnic	Investigating farm and field profitability under limited irrigation water availability	\$ 257,000	Alberta Innovates
Total				\$9,090,179	