



## 2024 - 25 Agriculture Funding Consortium (AFC) Research Projects

- List below includes only projects with fully executed agreements as of December 5, 2025.
- 39 projects funded through the 2024–25 AFC, totaling \$11.3 million.

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
2025F3490R	Hector Carcamo	Agriculture and Agri-Food Canada - Lethbridge	Validation of action thresholds for lygus, aphids and grasshoppers in lentils including the role of natural enemies	\$ 184,689	Alberta Pulse Growers Commission, 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
2025F3573R	David Stuart	University of Alberta	Probiotic feed additives for suppression of necrotic enteritis	\$ 399,280	Alberta Chicken Producers, RDAR
2025F3579R*	Robyne Bowness Davidson	Lakeland College	Confirming faba bean resistance to Aphanomyces euteiches	\$ 156,975	Alberta Pulse Growers Commission, RDAR
2025F3586R*	Karen Schwean-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

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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
2025F3602R	Charles Geddes	Agriculture and Agri-Food Canada - Lethbridge	Expansion, validation, and optimization of rapid genetic tests for herbicide resistance	\$ 499,825	Alberta Canola Producers Commission, Alberta Grains, Alberta Pulse Growers Commission, Manitoba Crop Alliance, Prairie Oat Growers Association, Saskatchewan Wheat Development Commission, Western Grains Research Foundation
2025F3605R*	Frank van der Meer	University of Calgary	Monitoring and preparedness for H5N1 influenza in bovines and porcines	\$ 239,833	Alberta Innovates, RDAR
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

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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, Pteromalus venustus	\$ 176,290	RDAR
2025F3649R	Ruurd Zijlstra	University of Alberta	Feed and water quality strategies to replace high zinc nursery pig diets	\$ 255,553	RDAR
2025F3658R	Wendy Lyzenga	Global Institute for Food Security (GIFS), University of Saskatchewan	Applying genomic selection to enhance yield, lodging and disease resistance, and breeding efficiency in feed barley variety development.	\$ 429,148	Alberta Beef Producers, Alberta Grains, RDAR, Saskatchewan Barley Development Commission
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 Kenschuh	University of Lethbridge	Evaluating differences in soil health parameters in irrigation expansion acres	\$ 310,500	RDAR
2025F3673R	Kevin Floate	Agriculture and Agri-Food Canada - Lethbridge	Feasibility of a biopesticide as a non-chemical alternative to control alfalfa weevil (Hypera postica)	\$ 128,150	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 Aphanomyces root rot in field pea	\$ 434,380	Alberta Pulse Growers Commission, RDAR

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2025F3680R*	Brielle Rosa	University of Calgary	Antiparasitic Drug Discovery from Alberta Flora	\$ 213,900	RDAR
2025F3685R	David Stuart	University of Alberta	Development of a biological pesticide for control of darkling beetles	\$ 106,950	Alberta Chicken Producers, RDAR
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

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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
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
2025F3725R	Trevor Alexander	Agriculture and Agri-Food Canada - Lethbridge	Evaluation of a new technology to enhance cattle respiratory health	\$ 339,460	Alberta Beef Producers, Alberta Innovates, RDAR
2025F3726R	Willemijn Appels	Lethbridge Polytechnic	Investigating farm and field profitability under limited irrigation water availability	\$ 257,000	Alberta Innovates
<b>Total</b>				<b>\$11,334,655</b>	

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