

UPDATED: February 26, 2021

BACKGROUND: Farm Adaptation Innovator Program project list 2018-2023

Project	Project Lead (Contact)	Location (s)	Agriculture Sector	Focus
Innovative pasture rejuvenation practices in B.C.'s central and northern interior	BC Forage Council (Serena Black)	Cariboo	Forage	Exploring practices for pasture rejuvenation and carbon sequestration to determine methods for improving soil health and increasing resilience to drought and extreme moisture.
Implementing integrated pest management practices on small-scale farms	E.S. Cropconsult Ltd. (Marjolaine Dessereault)	Lower Mainland, Squamish-Lillooet	Vegetables, berries	Developing fact sheets and workshops for small-scale farms so vegetable and berry producers can better manage increasing and changing pest pressures.
Agro-thermal heat treatment of grapevines in the Okanagan Valley	Quails' Gate Winery (Chad Douglas)	Okanagan	Wine grapes	Evaluating the effectiveness of agro-thermal heat treatment to mitigate the impacts of variable weather, fungal disease and freezing on wine grape production.
Mass trapping as a tool for non-chemical management of spotted wing drosophila	E.S. Cropconsult (Jen McFarlane)	Lower Mainland	Berries	Evaluating an alternative strategy to manage spotted wing drosophila, a major pest affecting blueberries that is expected to continue to increase with warmer winters and unpredictable summer conditions.
Post-harvest deficit irrigation for improved resilience of cherries to climate change	UBC Okanagan (Dr. Louise Nelson)	Okanagan	Tree fruit	Assessing the impact of decreasing post-harvest irrigation to reduce water use, while maintaining tree health and fruit quality for cherry production.
Inter-seeding to improve forage quality and quantity	Peace River Forage Association of British Columbia (Julie Robinson)	Peace River	Forage	Assessing inter-seeding practices with perennial forages to determine which practices, varieties and technologies are best suited to enhance forage production and quality through extreme spring moisture and summer drought.
Identifying soil management practices for climate-resilient vegetable production	UBC (Dr. Sean Smukler)	Lower Mainland, Vancouver Island, Kootenay & Boundary	Vegetables	Improving understanding of which management practices work best to address intense rainfall and drought while improving soil health and avoiding unintended negative effects on soil health and emissions.

Project	Project Lead (Contact)	Location (s)	Agriculture Sector	Focus
Enabling climate change adaptation through grab and go on-farm research templates	Agrowest Consulting (Dr. Catherine Tarasoff)	Kootenay & Boundary	Forage, tree fruit, diversified	Establishing trial sites and developing research templates to assist farmers with establishing their own on-farm research to enhance their resilience/adaptive capacity.
Demonstration of innovative corn production technologies	Bar WT Farms (Mike Witt)	Okanagan (results applicable to Central Interior)	Forage, dairy, cattle	Demonstrating and evaluating three corn production practices and technologies that can help producers adapt to drier summer conditions and a potentially longer growing season.
Modelling wine grape phenology for a warming Okanagan	UBC (Dr. Elizabeth Wolkovich)	Okanagan	Wine grapes (with applications to other fruit crops)	Developing models of phenology – which predict wine grape development stages for different grape varieties – to assist growers with seasonal crop management and with planting decisions and selections that will be suitable for future conditions.
Greenhouse innovations for Cariboo market garden season extension	College of New Caledonia (Dr. Sorin Pasca)	Cariboo	Vegetable	Evaluating practices for market gardeners in northern climates to extend their growing season, using mini-domes and supplemental LED lighting in greenhouses to grow fall seeded vegetable crops.
Multifunctional pasture rejuvenation in the Cariboo	Thompson Rivers University (Dr. Lauch Fraser)	Cariboo	Cattle, forage	Evaluating the effectiveness of forage seeding, mechanical brushing and prescribed grazing, singly and in combination, to allow forage producers to rejuvenate pastures, adapt to climate change and reduce fire risk.

See the complete news release, **British Columbia Farmers and Researchers Team Up on Climate Change Adaptation**, at ClimateAgricultureBC.ca/news.