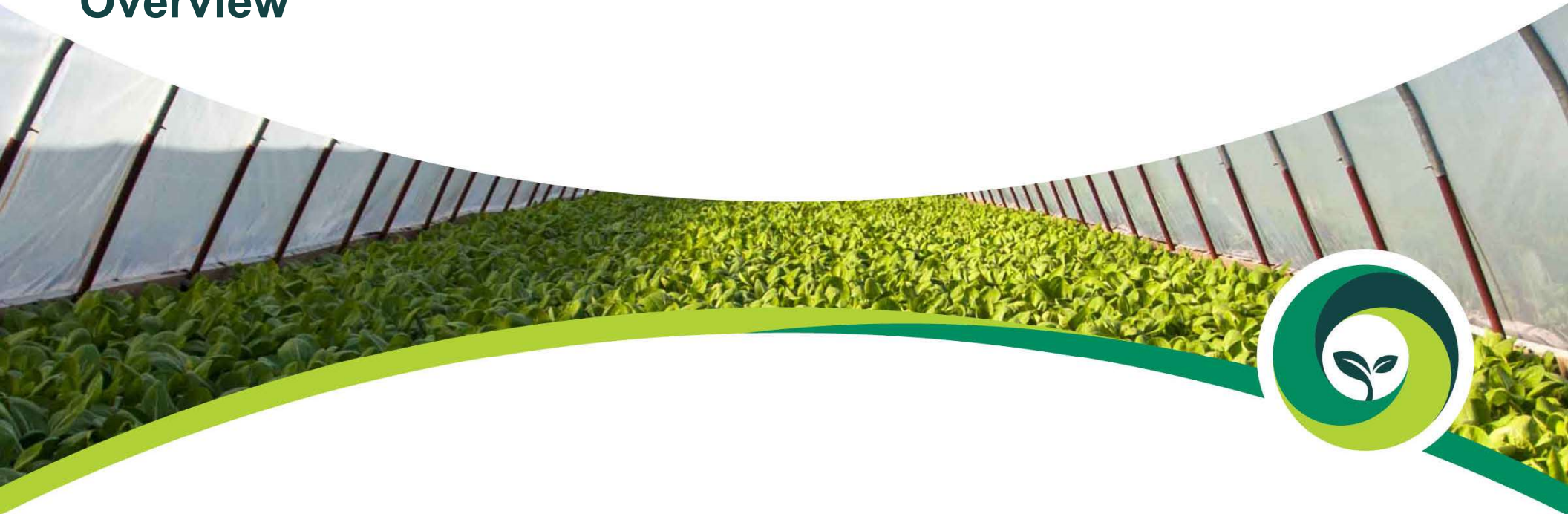# Sustainable Canadian Agricultural Partnership

Competitive. Innovative. Resilient.

Farm Technology and Efficient Grain Handling Programs Overview

Topics

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What's new

- The Sustainable Canadian Agricultural Partnership (Sustainable CAP) is the new policy framework that will be in place from April 1, 2023 to March 31, 2028.

- The Farm Technology (FT) and Efficient Grain Handling (EGH) Programs from the CAP framework will be offered in the first year of the Sustainable CAP (2023-2024).

- Producers who received funding in the previous FT and EGH Programs are eligible for funding again under the Sustainable CAP.

Eligibility

Applicant Type

- An individual or corporation registered in Alberta that is responsible for the day-to-day management and input costs of a crop, bee, or livestock operation and produces at least **$25,000** worth of farm commodities annually.

OR

- Indigenous (First Nation, Métis Nation, Inuit): A First Nation, Métis Nation or Inuit single person or a First Nation, Métis Nation or Inuit organization managing agricultural land.

Eligibility

Environmental Farm Plan (EFP)

- Have current EFP certificate or letter or will receive one before the end of the project term. Must have been completed within 10 years from the date your proposal is received.

- To check if an EFP is still current, contact ARECA at inquiries@albertaEFP.com or (587) 200-2552.

- To get started on your EFP visit: www.albertaefp.com

Applications

- Applications are reviewed as they are received and evaluated according to the eligibility criteria and funding availability.

- Incomplete applications will be returned to the applicant

- Incurred purchases must be made on or after April 1, 2023. Funding for any expenses is not guaranteed until your application is approved.

Application Tips

- Applicant name **must match** name on submitted invoices, receipts, etc. or expenses **will not be reimbursed**.

- Applications must have a handwritten signature, **digital signatures are not accepted** at this time.

- Quotes must have detailed breakdown of expenses, for example a quote that shows 'grain dryer' only as expense is not acceptable.

- Receipts must be incurred within the dates of the program term or they are not eligible.

Farm Technology Program

Farm Technology Program

- The Farm Technology Program has two streams:

    1. **Technology Stream:** supports the adoption of innovative technology that minimizes agricultural waste and optimizes farm efficiency.

    2. **Security Stream:** encourages the adoption of security devices that help protect farms.

Funding

- Grants are on a **50%** cost-shared basis.
  - Minimum grant is **$500**.
  - Maximum grant under the Farm Technology Stream is **$48,000**. Maximum grant under the Farm Security Stream is **$2,000**.

- Program is **retroactive** to April 1, 2023 (**change from CAP**). Expenses paid for prior to April 1, 2023 are ineligible.

- Grants must be completed within the 2023-24 fiscal year. Amendments will not be accepted past this time, and there will be no extensions so projects must be completed within 2023-24.

Funding List
Technology Stream

Technologies must be:

- commercially available and demonstrated to work in Alberta

- not yet widely adopted in an applicant's farm type

- cannot be leased

Eligible Expenses	Ineligible Expenses
Electronic soil sensors • Electromagnetic 　○ *Salinity, organic matter, moisture data* • Electrochemical 　○ *Nitrate, potassium, hydrogen ion (pH) data* • Soil compaction sensors • Solar powered soil sensors	• Analog soil sensors Example: sensors with dial read-outs; sensors without a digital signal that stores data.
Farm equipment-mounted sensors and cables 　○ *Vegetative index data* 　○ *Grain protein, oil, starch content data* • Drone-mounted agriculture specific sensors & lenses (*e.g., thermal imaging; multispectral imaging*) • Sensor based fertilizer spreader components that optimize granule distribution • Yield sensors retrofitted onto equipment to gather real-time data for yield maps. 　○ *Including hay bale* • Weed detection and elimination systems (*e.g., precision weed sprayers*)	• iPads, TV's • Recreational drones
Farm equipment-mounted data collection and data storage units for: • Accelerometers • Gyroscopes • Magnetometers • Altimeters • Remote monitoring cameras (*i.e. remote monitoring for existing water sites*)	• Recreational mobile cameras (*e.g., GoPros*)
Electronic livestock ID readers that allow data collection for individuals animals • E.g. ID reader wands that are linked to weigh scales • E.g. Herd management handheld devices	• Mandatory RFID tags • Structural parts of weigh scales
Other sensors • Leaf wetness sensors • Bee hive temperature, humidity, audio and movement sensors • Livestock body movement and body temperature sensors	
OPEN Equipment that is not explicitly ineligible and it can be shown to meet or exceed the program goals. *NOTE: Any items listed in any ineligible row column in the Funding List are not eligible under this category.*	• Drones for general or recreational use, not specifically for agriculture
Internet Boosters – **MAXIMUM $2,000 GRANT**	

Funding List
Security Stream

FARM SECURITY FUNDING LIST	
Eligible Expenses	**Ineligible Expenses**
➢ GPS Equipment Tags and Trackers ➢ Remote Monitoring for Fixed Cameras ➢ Remote Fuel Tank Monitors ➢ Wireless Base Stations (Gateways) ➢ Motion Detectors/Driveway Alert Systems ➢ Door Sensors	➢ Bluetooth Trackers ➢ Regular Fuel Tank Monitors ➢ Installation Costs ➢ Lighting Systems ➢ Alarms

Program Resources

Website: www.alberta.ca/sustainable-cap.aspx

Email: S-CAP.FTP@gov.ab.ca

Phone: 310-FARM (3276)

Efficient Grain Handling Program

Efficient Grain Handling Program

- An energy efficiency program intended to assist producers with reducing the overall energy use on their operations.

- Fund projects that consist of the purchase of equipment that shows a significant energy efficiency improvement over standard practice.

- Standard equipment such as aeration fans, hopper bins and standard grain dryer configurations DO NOT meet the requirements of the Program and will not be funded.

Funding

- Grants on a **50%** cost-shared basis.
  - Minimum grant is **$500**.
  - Maximum grant is **$100,000**.

- Program is retroactive to April 1, 2023. Expenses paid for prior to April 1, 2023 are ineligible.

- Grants must be completed within the 2023-24 fiscal year. Amendments will not be accepted past this time, and there will be no extensions so projects must be completed within 2023-24.

Funding List

- Funding list may change

- Check website for most up-to-date list

- Subscribe for automatic updates at https://www.alberta.ca/sustainable-cap.aspx

Eligible Expenses	Ineligible Expenses
Costs of the following equipment ✓ Enclosed Dryer Roof, or Enclosed Dryer Top Cover ✓ Automatic Moisture-Based Controllers ✓ High-Efficiency Burners ✓ Variable Speed Drives (VSD) for Electric Motors ✓ Grain Dryer PTO to Electric Motor Conversion ✓ Insulated Plenums ✓ Exhaust Air Recirculation Systems ✓ Heat Exchangers ✓ Gravity-Fill Roofs ✓ Electrical or gas submeters on Dryers ✓ Temperature and moisture monitoring cables for in-bin drying systems ✓ Thermostats or thermometers for plenum or burner temperature control on in-bin drying systems ✓ Adapter plates for efficiently fitting external heaters to in-bin drying systems ✓ Indirect-fired high-efficiency portable aeration dryers ✓ Automated bin fan control systems Costs to install a natural gas pipeline to a grain dryer. ✓ Materials and installation costs ✓ Program funding is available for costs incurred over and above those paid for by the Rural Gas Program, to a maximum of $20k/applicant. **A quote must be provided by the natural gas provider.**	✕ Aeration Fans and Ducts ✕ Grain Elevators and Conveyors ✕ Grain Legs or Grain Pumps ✕ Hopper Bins ✕ Conversion from Propane to Natural Gas ✕ Standard Grain Dryer Configurations ✕ Additional Tiers ✕ Software, or data subscriptions for interfacing with moisture and temperature cables ✕ Equipment that is leased ✕ Motors that are not for converting PTO to Electric ✕ Installation and labour costs (except as part of a "pipeline to grain dryer" project) ✕ Equipment that the Minister deems not to offer significant energy efficiency improvements above standard practice or standard models, regardless of whether the equipment is of a type that is listed as an Eligible Expense,

Program Resources

Website: www.alberta.ca/sustainable-cap.aspx

Email: S-CAP.EGHP@gov.ab.ca

Phone: 310-FARM (3276)

Thank You!

Questions or Comments
Agriculture and Irrigation