

CAP program rollout underway

Canadian Agricultural Partnership (CAP)

I mentioned the Canadian Agricultural Partnership (CAP) funding program in the last newsletter.

The roll-out of the CAP program in Alberta will begin in April, 2018. It will consist of a phased roll-out of 15 programs over the spring, summer and fall of 2018. Applications and program details consisting of cost-shares and eligible activities and/or items will be released with the opening of each program. The criteria for eligibility will be made available along with the program details. Phone Dwayne Rogness 403-380-1598 for more information.

In Alberta, CAP will deliver programs developed in consultation with stakeholders, and is organized under five themes: Environmental Sustainability and Climate Change; Products, Market Growth and Diversification; Science and Research; Risk Management; and Public Trust. Go to their website and have a look for yourself or like I said give me a call. I am highlighting the the Environmental Stewardship and Climate Change - Producer program below and have included the funding list on page 4, 5, 6, 7 and 8. This is the program that will be available to most every producer in the county.

Environmental Stewardship and Climate Change - Producer

The purpose of the Environmental Stewardship and Climate Change - Producer program is to support produc-



ers in reducing negative impacts on the environment while enhancing sustainable production, managing climate change and increasing profitability in the agriculture sector.

The focus of the program will be on activities and practices that:

- reduce the risks to agricultural contaminants entering water
- enhance sustainable production while mitigating carbon emissions that impact air and soil quality
- help producers manage and adapt to climate change.

Activities include (but are not limited to) Beneficial Management Practices, such as:

- watering systems
- riparian fencing

- livestock facility management
- improved manure storage facilities
- manure application
- sectional controls
- agricultural plastic bag rollers
- shelterbelts.

Primary producers in Alberta are eligible to apply.

A valid Alberta Environmental Farm Plan (EFP) is a prerequisite to this program. EFP has implemented a 10-year renewal starting 2018, therefore an EFP completed before 2008 will not be considered valid. There is more information for EFPs on page 3.

Contact Dwayne Rogness for more information and to determine your eligibility.



Application Intake Dates for 2018:

- April 3, 2018 - May 15, 2018
- May 16, 2018 - June 27, 2018
 - June 28, 2018 - August 29, 2018
 - August 30, 2018 - November 14, 2018

Lethbridge County Agriculture Service Board

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Farmers committed to ENVIRONMENTAL STEWARDSHIP



What is an EFP?

The Alberta Environmental Farm Plan (EFP) is a whole farm **environmental risk assessment tool**.

- An EFP is completely **voluntary**.
- Producers complete their EFP with the help of a **trained EFP technician**.
- Producers can now complete their workbook **online**.
- Completing an EFP is **FREE!**
- All of your information is kept **confidential**.
- Depending on your farm, a workbook can be **completed in 1 - 2 days**.

Reasons to Complete an EFP:

- Creating awareness and assessing **environmental risks** in your operation.
- Essential to the **sustainable production** of crops and livestock.
- Increase efficiencies and **reduce production costs**.
- Become **eligible for funding** under the Environmental Sustainability and Climate Change programs of the Canadian Agriculture Partnership (previously Growing Forward 2).
- Key for marketing and **sustainable sourcing** requirements and programs.

Do EFPs expire?

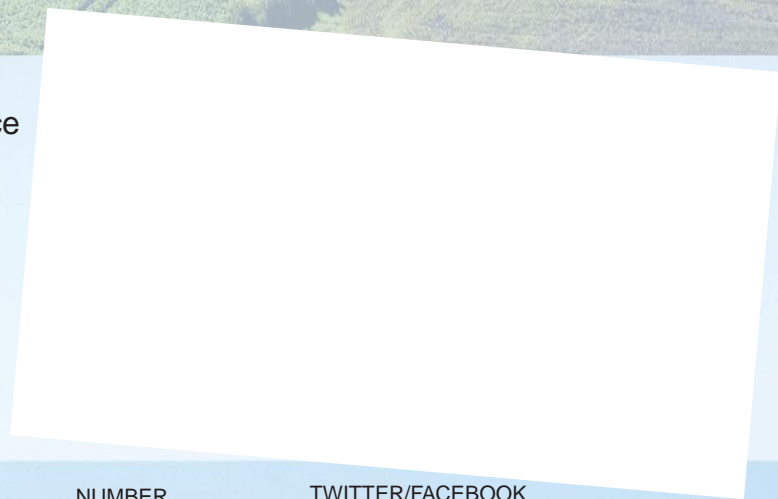
- **Yes**. Effective April 1, 2018, EFP, you will need an EFP certificate **dated within the last 10 years** to be eligible for cost-share funding.
- We encourage you to **update your EFP online**. Completing an EFP online makes future renewals simpler and easier. Data entered into your account will be saved, and will not have to be re-entered for the next renewal.
- If you previously completed a paper workbook, use it as a reference when you use the online tool.

“ We did an Environmental Farm plan when they first came out, and when we make ranch changes today, we still go back and reference that workbook. ”

- SEAN MCGRATH, VERMILLION FARMER.

“ We sell into a global marketplace and those companies demand (an environmental) commitment. ”

- TERENCE HOCHSTEIN, POTATO GROWERS OF ALBERTA



CONTACT US

ADDRESS

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or call Dwayne Rogness at 403-380-1598

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Environmental Stewardship and Climate Change Producer Program Funding List

Category A, B and C

Grant funding cost share of 30%-70% of eligible expenses to complete the project

The Environmental Stewardship and Climate Change Producer Program supports active producers with assessing their environmental risks and implementing beneficial management practices (BMP's) that reduce the risk of agricultural contaminants entering water or soil resources, benefitting their business, enhancing public trust and the environment.


The 2018 - 2023 program funding maximum is \$100,000 over the program term, except in the following limited circumstances:

1. You may be eligible for up to an additional \$100,000 for Activity Code's 104, 206, 306 under Innovative Solutions;

2. You may be eligible for up to an additional \$100,000 over the program term for each operation owned by an applicant that is located on a different premise ID number for Category B only.

PLEASE NOTE: Cost Share: due to merit based review process, cost shares levels will vary based on the Minister's discretion. Cost shares will range from 30% up to 70%. The minimum cost share you may receive towards your approved project will be 30% if your project is approved. Your application may be reviewed on a merit first-come first-serve basis, or by a technical review panel if additional technical expertise is required. The minimum payment an Applicant may receive under the program is \$500.



Activity Codes	Project	Eligible Costs	Ineligible Costs
CATEGORY A - Grazing Management			
101	<p>Riparian Area Fencing and Management FUNDING MAXIMUM - \$75,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>PURPOSE: Fencing helps manage livestock access to environmentally sensitive areas on the farm property, resulting in protection of aquatic life, riparian vegetation, wildlife habitat and water quality.</p>	<p>Permanent fencing (controlled access or exclusion) as part of an approved riparian area fencing and management project Cross fencing only if it is part of a riparian management project <i>Included in the above:</i></p> <ul style="list-style-type: none"> • Permanent barbed/electric fencing systems • Construction materials and supplies *note: all materials <u>must be new materials</u> and not materials on hand • Labor and equipment will be reviewed at a 1:1 ratio to materials expenses. The total labor costs shall not exceed 100% of the total materials costs. *If approved, actual labour and equipment hours must be tracked and submitted • Total in-kind labour and equipment costs shall not exceed 25% of the total project cost <p>Purchase and planting of native trees and shrubs and/or native or non-invasive introduced species of grass and legumes¹ Cultural weed control systems and mulch Seed and seeding operation for revegetation</p>	<p>Perimeter fencing Repair, maintenance or improvement of existing fence Replacement of existing fence Transportation of materials Materials on hand Portable livestock corral panels</p>
<p>• Total costs for fencing, including materials, labor and equipment use shall not exceed the rate per meter as stated in the current year of the Agriculture and Forestry Custom Rates Survey. (http://www1.agric.gov.ab.ca/\$department/deptdocs.nsf/all/infl6413#custom) • See Appendix 1 for a list of acceptable riparian tree species.</p>			
102	<p>Year-Round/Summer Watering Systems* FUNDING MAXIMUM - \$50,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>PURPOSE: Installation and setup of winter watering systems support winter feeding management, reduce the build-up and off-site transport of manure nutrients and pathogens, and provide greater protection of natural water sources.</p>	<p>Portable watering systems Troughs, stock tanks, plastic tanks (or similar water storage) Heat tape or heated waterers Pumping systems Power sources such as solar panels, windmills, etc. and other electrical supplies Plumbing materials Surface, shallow or deeply buried pipelines (if used to distribute water within a pasture and protect a water source) Applicant's equipment use and labour (at set program rates)</p> <ul style="list-style-type: none"> • Total in-kind labour and equipment costs shall not exceed 25% of the total project cost 	<p>Water sources such as new wells, or dugouts* Watering Systems associated with a well, dugout or spring* Generators Dugout aeration systems* Deeply buried water lines (below the frost level) within a farmyard* Watering systems in farm yards or corrals Portable feed bunks Portable livestock corral panels Pump houses * These items may be eligible for cost-share under the Farm Water Supply Program with the completion of a long term water management plan and prior approval by an AF Water Specialist</p>
<p> *If you are using a constructed water source such as a well, dugout or spring or if your project involves protection of a constructed water structure, it may be eligible under the Farm Water Supply Program. Please contact the Farm Water Supply Program, 310-FARM (3276).</p>			
103	<p>Watercourse Crossings FUNDING MAXIMUM - \$10,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>PURPOSE: Manage livestock access across a watercourse while avoiding or minimizing riparian impacts, in order to maintain or improve water quality, maintain bank stability and reduce the amount of time cattle spend in the waterbody</p>	<p>Construction materials and supplies to construct a watercourse crossing in accordance with the Water Act In-kind labour and equipment (at set program rates)</p> <ul style="list-style-type: none"> • Total in-kind labour and equipment costs shall not exceed 25% of the total project cost <p>*For more information, refer to the CAP website for a factsheet on watercourse crossings</p>	<p>Annual maintenance and repair costs Use of in-kind building materials, including but not limited to:</p> <ul style="list-style-type: none"> • Gravel* • Clay* • lumber <p>Portable livestock corral panels *If using these materials for construction of a watercourse crossing, ensure they have been properly sterilized to limit spread of invasive species</p>

Environmental Stewardship and Climate Change Producer Program Funding List

Category A, B and C

Continued from Page 4

Activity Codes	Project	Eligible Costs	Ineligible Costs
CATEGORY A - Grazing Management			
104	<p>Grazing Management Strategies/or Innovative Solutions FUNDING MAXIMUM – \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p style="text-align: center;">Grazing Management Strategy – Purpose</p> <p>Grazing management solutions that address an environmental and/or water quality risk that is not listed on the funding list.</p> <p style="text-align: center;">Innovative Solutions – Purpose</p> <p>Investigating new ways and/or different options of dealing with a new or on-going issue related to grazing management. Testing ideas and/or new approaches.</p>	<p>Consideration will be given to projects that provide solutions to improve grazing management. These projects must meet the objectives of Environmental Stewardship and Climate Change Program and significantly improve the grazing management performance of an operation.</p> <p>Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit. The technical review panel will determine whether the application is classified as grazing management strategies or innovative solutions.</p> <p>Established Environmental Stewardship and Climate Change Program funding cap and ineligible projects and costs will remain in effect for this Activity Code.</p> <p>Typical Environmental Stewardship and Climate Change Program approval timelines will not apply for considered projects of this nature.</p>	
CATEGORY B - Manure and Livestock Facilities Management			
201	<p>Engineering investigation and/or feasibility assessment FUNDING MAXIMUM - \$15,000 COST SHARE: If Approved: 70%</p> <p style="text-align: center;">PURPOSE:</p> <p>To help producers collect site information and evaluate potential solutions to improve manure management or address an environmental risk on an existing facility</p>	<p>Engineering and consultant fees to conduct the following:</p> <ul style="list-style-type: none"> • Geotechnical investigation; • Hydrogeological assessment; • Economic analysis of options; • Land survey <p>*Reports may be used to support applications under 202, 203 or 204</p>	<p>In-kind labour and equipment use</p> <p>Geotechnical investigation that is required to complete an NRCB application for the purposes of expanding or building a new operation.</p>
202	<p>Construction or upgrade of a surface water management system FUNDING MAXIMUM - \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p style="text-align: center;">PURPOSE:</p> <p>To protect water quality by installing or upgrading surface water control systems to reduce run on of clean water onto the livestock facility and control runoff from the livestock facility</p>	<p><i>All applications under this activity code will require a site inspection prior to construction taking place.</i></p> <p>Enhancement that improve run on activities:</p> <ul style="list-style-type: none"> • Water diversions (i.e. eaves troughs), berms, culverts • Features that reduce snow accumulation – windbreaks, shelter-belts, snow fence <p>Enhancements that improve the management of run-off water flow:</p> <ul style="list-style-type: none"> • Installation of culverts connecting pens under roads • Catch basin construction or expansion • Construction of retention or settling ponds • Construction of collection channels between pens and catch basin • Catch basin synthetic liner • Engineering and/or survey fees for design of surface water control systems improvements <p>Total in-kind labour and equipment costs shall not exceed 25% of the total project cost Applicant's equipment use and labour at set program rates *See Appendix 2</p>	
203	<p>Improved Manure Storage Facilities FUNDING MAXIMUM - \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p style="text-align: center;">PURPOSE:</p> <p>Improve an existing manure storage facility in order to address an existing water quality risk created by potential facility overflow or the need to winter spread manure.</p> <p>To relocate or improve a manure storage facility that poses a significant risk to water quality.</p>	<p><i>All applications under this activity code may require a site inspection prior to construction taking place.</i></p> <p>Engineering fees for site investigation, design and reports</p> <p>Structural improvements to existing manure storages</p> <p>Constructed liner that meets AOPA requirements, for manure storage facility or manure collection area including composting storage areas. This includes, compact clay, synthetic liner, steel and concrete</p> <p>Decommissioning of old storages if part of an approved manure storage facility project</p> <p>Total in-kind labour and equipment costs shall not exceed 25% of the total project cost</p>	
			<p>Maintenance of livestock pens and facilities</p> <p>Repair and maintenance of run-on/off control systems and equipment</p> <p>Concrete pads under watering devices</p> <p>Costs associated with upgrades to watering devices, bedding, mats, penning or stalls.</p> <p>Silage storage</p> <p>Eaves troughs or runoff control not associated with controlling run-on/off from existing livestock yards (e.g., a barn with contained storage where runoff is not likely to enter the storage)</p> <p>Rain collection devices (e.g., tanks, barrels, etc.) not associated with controlling run-on/off from existing livestock yards. *must indicate on application how collected rain water is being disposed of or used.</p> <p>Runoff control for new building sites or new livestock operations</p> <p>Surface water management not related to better management of agricultural contaminants in runoff water</p>

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Environmental Stewardship and Climate Change Producer Program Funding List

Category A, B and C

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Activity Codes	Project	Eligible Costs	Ineligible Costs
CATEGORY B - Manure and Livestock Facilities Management			
204	<p>Relocation of a Livestock Facility and Permanent Wintering Site or Confined Feeding Operation FUNDING MAXIMUM - \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>PURPOSE: Relocate a livestock facility that poses a significant risk to water quality or the environment, and properly remove the existing facility</p>	<p><i>All applications under this activity code will require a site inspection prior to construction taking place.</i></p> <p>Construction costs to rebuild an equivalent or adequately sized facility in a more suitable location Plumbing, electrical, fence lines, feeding areas, shelter/wind protection Engineering design and fees (if applicable) Tear down and removal costs of the old livestock facility (if part of a new replacement livestock facility project) Re-vegetation costs (e.g. seed, seeding, plantings etc.) for the old site Total in-kind labour and equipment costs shall not exceed 25% of the total project cost. Applicant's equipment use and labour at set program rates (2 quote rule applies. Refer to Appendix 2 in the Program Terms and Conditions)</p>	<p>Relocation of a livestock facility that does not directly impact surface water Transportation, hauling or application costs of manure requiring removal to carry-out the project New electricity services, such as a power line and pole Pump house Water well decommissioning ** ** These items may be eligible for cost-share under the Farm Water Supply Program with the completion of a long term water management plan and prior approval by an AF Water Specialist</p>
205	<p>Improved Land Application of Manure FUNDING MAXIMUM - \$70,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>PURPOSE: To increase safety and public awareness during field application activities. To adopt technologies that result in more efficient nutrient use and decrease nutrient loss through run-off and volatilization. To adopt management practices that improve record-keeping, nutrient management and compliance with AOPA legislation.</p>	<p>Supplies and materials for an emergency manure spill kit, personnel safety (e.g., H2S monitors), or roadside public awareness (e.g., signage) In-cab technologies to map and record application (includes monitor and subscription or unlock key) Load cells or other weight sensors Flow control meters and valve systems Surface banding delivery system Injection delivery system Remote (cellular or radio) or automatic shut off valves for pumps Drag hose *limited to 800m (1/2 mile) Supply/mainline *limited to 3 km (2 miles) Main and booster pumps for dragline systems. MUST include an automatic shut off feature Costs to convert existing equipment to surface banding or injection delivery systems In-field temporary manure storage systems (specifically: fillable bags or bladders for dragline systems) Road crossings for dragline systems Innovative ideas that help achieve the activity code purpose *On the go nutrient analysis (https://www.deere.com/en_INT/products/equipment/agricultural_management_solutions/precision_farming_solutions/manure_sensing/manure_sensing.page)</p>	<p>Custom manure or wastewater application services, transportation or hauling costs GPS receivers and auto-steer systems Agitation equipment Nurse tanks, tank trucks or trailers Axle or tire configuration alterations, including floatation tires Separate pass incorporation equipment (e.g. harrows, cultivators, etc.) Repair or maintenance of manure application equipment Laboratory analysis fees Equipment or activities to improve biosecurity</p>
206	<p>Manure and Livestock Facilities Management Strategies/or Innovative Solutions FUNDING MAXIMUM - \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p> <p>Manure and Livestock Management Strategy - Purpose Manure and livestock management solutions that address an environmental and/or water quality risk that is not listed on the funding list. Innovative Solutions - Purpose Investigating new ways and/or different options of dealing with a new or on-going issue related to manure and livestock facilities management. Testing ideas and/or new approaches.</p>	<p>Consideration will be given to projects that provide innovative to improve manure management. These projects must meet the objectives of Environmental Stewardship and Climate Change Program and significantly improve the impact on the environment of manure and livestock facilities. Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit. The technical review panel will determine whether the application is classified as manure and livestock management strategies or innovative solutions. Established Environmental Stewardship and Climate Change Program funding cap and ineligible projects and costs will remain in effect for this Activity Code. Typical Environmental Stewardship and Climate Change Program approval timelines will not apply for considered projects of this nature.</p>	
CATEGORY C - Agricultural Input and Waste Management			
301	<p>Improved Pesticide Management FUNDING MAXIMUM - \$10,000 COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Sprayer equipment modifications reduce the risk of movement of agrochemicals to non-target areas, providing greater protection of biodiversity, buffer zones and water quality. Improved crop and pest monitoring increases the efficacy of application and reduces the amount of agrochemicals released into the environment.</p>	<p>Spray Boom Remote Control On-board rinse-water tanks Chemical injection systems Pulse-Width Modulating nozzle systems Recirculating booms Sectional control systems - controllers, software, plumbing, valves.</p>	<p>Upgrades of existing equipment Custom application services and other consultant services Equipment for mechanical weed control and complete spray units Screens and filters Sectional control for fertilizer application GPS units/ Auto-steer technology Tanks for nonagricultural use Extended warranties on purchased items Maintenance or replacement of existing equipment Operator safety equipment Pumps and product transfer equipment Computer and other electronic hardware Weather monitoring equipment</p>

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Environmental Stewardship and Climate Change Producer Program Funding List

Category A, B and C

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Activity Codes	Project	Eligible Costs	Ineligible Costs
CATEGORY C - Agricultural Input and Waste Management			
302	<p>Improved Nutrient Management FUNDING MAXIMUM - \$15,000 COST SHARE: If Approved: 30% or 50%</p> <p>PURPOSE: Sectional control increases fertilizer nutrient efficiency and minimizes the loss of excess fertilizer nutrients from entering the environment and affecting water quality or contributing to greenhouse gas emissions.</p>	<p>Controllers, software, subscriptions or "unlock codes" for management/operation of sectional control</p> <p>Sectional control systems for application of granular, liquid or gaseous fertilizer.</p>	<p>Leased or rented equipment/hardware</p> <p>Complete seed drill or applicator units</p> <p>Liquid fertilizer pumps or NH3 pumps, coolers, condenser, etc. (Base units)</p> <p>Fertilizer nurse tanks</p> <p>Manually operated sectional control systems</p> <p>Global Positioning System (GPS)</p> <p>Variable rate technology</p> <p>Autosteer technology</p> <p>Extended warranties on purchased items</p> <p>Upgrades of existing equipment</p> <p>Maintenance or replacement of equipment</p> <p>Computer and other electronic hardware</p> <p>Custom application services and other consultant services</p> <p>Operator safety equipment</p>
303	<p>Plastic Rollers FUNDING MAXIMUM - \$7,000 COST SHARE: If Approved: 70%</p> <p>PURPOSE: Rolling and compacting agricultural sheet plastics allows for more convenient and safe storage on farm prior to being transported to an approved recycling site. This practice will eliminate the need to dispose of plastics on farm.</p>	<p>Stand-alone grain bag roller expressly for the purpose of rolling agricultural plastics.</p> <p>Grain bag rollers as an attachment to an existing grain bag extractor.</p>	<p>Trailers for equipment and plastic bundle hauling</p> <p>Power supplies other than engines built into the unit by the manufacturer.</p> <p>Hay balers</p>
304	<p>Shelterbelts FUNDING MAXIMUM - \$10,000 COST SHARE: If Approved: 50%</p> <p>PURPOSE: Establishment of permanent shelterbelts which supports winter-feeding management, reduces manure nutrient build-up and protects water sources.</p>	<p>First-year establishment costs, such as site preparation, planting, weed control</p> <p>Purchase* of trees and shrubs§</p> <p>Wood and plastic mulch</p> <p>Watering system components including (but not limited to): trickle or drip systems, delivery hose/pipe and emitters</p> <p>Applicant's equipment use at set program rates</p> <p><i>First year fencing expenses for the purpose of excluding livestock from the shelterbelt, including:</i></p> <ul style="list-style-type: none"> • Permanent barbed/electric fencing systems • Construction materials and supplies *note: all materials must be newly purchased materials and not materials on hand • Labor and equipment will be paid at a 1:1 ratio to materials expenses. The total labor costs shall not exceed 100% of the total materials costs. <p>Total in-kind labour and equipment costs shall not exceed 25% of the total project cost.</p>	<p>Maintenance and renovation costs incurred after first year of establishment</p> <p>Fencing of existing shelterbelts to prevent livestock damage</p> <p>Chemical control of vegetation</p> <p>Shelterbelts surrounding farm sites</p> <p>In-kind labour and equipment use for manufacture of wood mulch</p> <p>Contractor expenses for manufacture of wood mulch</p> <p>In-kind use of ATVs</p>
<p>*Tree and shrub purchases will be funded to a maximum of \$5/tree or shrub. **Minimum shelterbelt length is 100m in order to be eligible for funding §See Appendix 1 for a list of eligible tree and shrub species.</p>			
305	<p>Wetland Assessments FUNDING MAXIMUM - \$15,000 per Assessment COST SHARE: If Approved: 50% or 70%</p> <p>PURPOSE: To help producers collect site information and evaluate potential solutions to improve surface water management for agricultural purposes or to address an environmental issue.</p>	<p>Engineering and consultant fees to conduct the following:</p> <ul style="list-style-type: none"> . Economic analysis of options; . Land survey 	<p>In-kind labour and equipment use</p>
306	<p>Agricultural Input and Waste Management Strategies/or Innovative Solutions FUNDING MAXIMUM - \$100,000 COST SHARE: If Approved: 30%, 50%, or 70%</p>	<p>Consideration will be given to projects that provide solutions to improving agricultural input and waste management. These projects must meet the objectives of Environmental Stewardship and Climate Change Program and significantly improve the agricultural input and waste management performance of an operation.</p> <p>Projects of this nature will be assessed on an individual basis by a technical review panel and must have technical merit. The technical review panel will determine whether the application is classified as manure and livestock management strategies or innovative solutions.</p>	

Environmental Stewardship and Climate Change Producer Program Funding List

Category A, B and C

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Activity Codes	Project	Eligible Costs	Ineligible Costs
CATEGORY C - Agricultural Input and Waste Management			
306	<p>Inputs and Waste Management Strategy – Purpose Agricultural inputs and waste management solutions that address an environmental and/or water quality risk that is not listed on the funding list.</p> <p>Innovative Solutions – Purpose Investigating new ways and/or different options of dealing with a new or on-going issue related to agricultural input and waste management. Testing ideas and/or new approaches.</p>	<p>Established Environmental Stewardship and Climate Change Program funding cap and ineligible projects and costs will remain in effect for this Activity Code.</p> <p>Typical Environmental Stewardship and Climate Change Program approval timelines will not apply for considered projects of this nature.</p>	
<p>Note: Refer to Appendix 2 and the 2012-2013 Farm Machinery Custom and Rental Rate Guide from the Saskatchewan Ministry of Agriculture for equipment rates. Applicant's in-kind labour will be calculated at a rate of \$25.00 per hour.</p>			

APPENDIX 1: TREE SPECIES FOR RIPARIAN AREAS

Source: AAFC-AESB Shelterbelt Centre

Acceptable species

- Trembling Aspen
- Buffalo Berry
- Chokecherry
- Plains Cottonwood
- Red-Osier Dogwood
- Red Elder (central Alberta and Cypress Hills)
- Arnold Hawthorn (different species but similar adaptation and function)
- Manitoba Maple (natural riparian species and quite widespread, but introduced in Alberta)
- Bur Oak (common floodplain species on the Great Plains, but not native to Alberta)
- Poplar (Assiniboine)
- CanAm
- Manitou
- Walker
- Pincherry (found naturally except in the dry mixed grasslands between Lethbridge and Provost)
- Rose Hedge (common "wild rose")
- Western Snowberry
- Colorado Spruce (Rocky Mountains region, associated with aspen and cottonwood)
- White Spruce (Aspen Parkland region associated with Aspen, balsam poplar, dogwood, buckbush)
- Willow:
 - Acute (riparian-suited, but non-native)
 - Peachleaf (native species)
 - Silverleaf (riparian-suited, but non-native)
 - Wolf (native species)

Unacceptable species

- Green Ash (not uncommon in Saskatchewan in association with cottonwoods, elms, Manitoba maples, chokecherry, Saskatoon)
- Caragana
- Siberian Crabapple
- Siberian Larch (non-native; larch not a component of prairie riparian communities; tamarack may be, in northern locales)
- Villosa Lilac
- Scots Pine (not a native species; generally occurring on drained uplands)
- Sea Buckthorn (not native; aggressive spreader in sandy sites)
- Russian Olive (especially invasive in the South Saskatchewan River Basin)
- Salt Cedar (Tamarix)

Confined Feeding Operations (CFO) Extension Services

“ To reach your nearest CFO Extension Specialist, dial 310-FARM, contact them directly or call your local NRCB office. Dial 310.0000 to be connected toll free. ”

CFO Extension Specialists
Deanne Madsen, Morinville
780.939.1218

Chris Ullmann, Red Deer
403.755.1475

Cody Metheral, Lethbridge
403.381.5885

NRCB Offices
Lethbridge: 403.381.5166
Red Deer: 403.340.5241
Morinville: 780.939.1212
Fairview: 780.835.7111

Alberta

NRCB
Natural Resources Conservation Board

CFO Extension Specialists with Alberta Agriculture and Food (AF) provide technical expertise to livestock producers, consultants, municipalities, and other interested parties. CFO extension services ensure Alberta's livestock industry grows in a competitively and environmentally sustainable manner.

Working in cooperation with the Natural Resources Conservation Board (NRCB), Approval Officers and Inspectors, AF CFO Extension Specialists provide clients with information and tools to support the NRCB application process. They also provide clients information on the regulatory requirements of the Agricultural Operation Practices Act (AOPA) and other relevant legislation.

What services are available?

Extension services are available to anyone requiring information about the technical requirements and application process for existing, new and expanding CFOs in Alberta.

For producers and their consultants, additional services will be provided specific to the application process.

Extension staff assist clients with the following:

- Assist with determining if a permit is required.
- Understanding the application process and regulatory requirements.
- Collecting information to determine potential site risks and initial site evaluation.
- Providing information on management options to meet regulatory requirements and address potential site risks.
- Directing clients to information and tools to help complete the application process.

Referral service

CFO Extension Specialists can refer clients to people with other areas of expertise to help them make decisions about their operation.

How can services be accessed?

AF CFO Extension Specialists provide services across the province and are located in Morinville, Red Deer and Lethbridge.