



## ROTATIONAL GRAZING

The RDAR On-Farm Climate Action Fund (OFCAF) program supports the adoption and on-farm implementation of Beneficial Management Practices (BMPs) that strengthen rotational grazing strategies for all types of livestock through improved forage quality, increased soil health and improved resilience to changing climates. OFCAF applicants may choose some or all of the BMPs listed below, and other BMPs related to Cover Cropping or Nitrogen Management. Costs of multiple new BMPs within each of the three activity categories can be combined to a maximum grant payment of \$75,000 between April 1, 2022, and March 31, 2028 from all OFCAF sources.

Rotational grazing BMPs rely on four grazing management principles. Although these can differ between fields or farms based on terrain, composition, and water supplies, they must all be considered for effective implementation.

- (1) Balanced forage supply with livestock demand
- (2) Growing season rest
- (3) Avoidance of vulnerable periods
- (4) Planned animal distribution

Water supply and distribution are critical factors in any rotational grazing system since water is essential for life, growth and reproduction. The quantity of water animals consume is affected by growth, pregnancy, lactation, activity, diet composition, and performance. Research indicates that when provided with high-quality water, livestock will drink more, eat more, and ultimately gain weight faster. Planning for reliable water supplies, such as water wells, dugouts, springs, and OFCAF-funded distribution systems (shallow water pipelines, remote watering systems, etc.), is as important as planning the fence locations for an efficient grazing system.

One of the main objectives of improved rotational grazing is to extend the grazing season into fall and sometimes winter. A properly managed grazing system can benefit poorer soils by providing nutrients and organic matter to improve soil structure and health. Lower input grazing systems include stockpiled forage, swath, annual forages and annual crop residues. Feed sampling, including forage testing, ensures a balanced diet and promotes good herd health to ensure that the animal's nutritional needs are met throughout the year based on the animal's production cycle (growth, pregnancy, lactation).

Your grazing management strategy will need to describe all of the components above. How are you addressing the four principles? How will you change your fencing to improve your grazing practice? What are your existing water sources, and how will you distribute the water to ensure that you have a reliable supply for your grazing? How may you improve your pasture composition to meet your livestock needs? What changes will you make to your movement of animals to increase the efficacy of your grazing system?

**Planned activities must go beyond routine practices for your farm or fields.** Applicants may request funding to support eligible practices listed in the [OFCAF Program Guide \(rdar.ca/funding-opportunities/resources#forms-guides\)](https://rdar.ca/funding-opportunities/resources#forms-guides). Please outline how you will apply these practices on your farm using the BMP Action Plan on pages 6-8 of this form, including labelled maps that show field boundaries on an aerial photo or imagery, water sources and existing fence lines. The [Guide to Locating and Labelling BMP Action Plans \(rdar.ca/funding-opportunities/resources#forms-guides\)](https://rdar.ca/funding-opportunities/resources#forms-guides) provides further details. Your completed BMP Action Plan must be recommended by a qualified third-party adviser who is a Professional Agrologist (PAg) or Certified Crop Advisor (CCA); please reference the [Guide to Accessing Agricultural Recommendations in Alberta \(rdar.ca/funding-opportunities/resources#forms-guides\)](https://rdar.ca/funding-opportunities/resources#forms-guides). Your BMP Action Plan must be approved **in writing** by RDAR.

**Please note:** Invoices must be dated after April 1, 2025, and not paid before receiving RDAR's written approval of your application. Paid invoices must include Legal Land Descriptions (LLDs) of approved project fields and with proof of payment by November 30, 2025. Photographs with date stamps and GPS coordinates are required to document conditions before and after completing your project.

### GUIDELINES and ELIGIBLE COSTS

Please refer to the [OFCAF Program Guide \(rdar.ca/funding-opportunities/resources#forms-guides\)](https://rdar.ca/funding-opportunities/resources#forms-guides) for a complete listing of eligible BMP costs and rates.

1. **Internal permanent or temporary cross fencing** - Costs include supplies for barbed wire, electric fencing setups and custom installation or equipment rentals. See the Fencing Supply List below for more rate information. Alternative fencing can be used such as page wire.
2. **Water distribution systems** – Water distribution must be part of a rotational grazing improvement. Applications for watering systems alone will not be funded. The costs will not be reimbursed if the project is approved and invoices are submitted for water systems alone. Costs include remote watering systems, shallow water pipeline materials (maximum 2" diameter and less than 15" (38 cm) deep), custom installation and equipment rental. Development of water sources such as new water wells, dugouts or spring developments, and deep, buried water lines are not eligible costs<sup>2</sup>. **Maximum of \$37,500 for eligible expenses from 2025 to 2028**

3. **Improve pasture composition with perennial legumes** - Costs include seed, custom planting and equipment rentals. The seed mix must include more than 50% perennial legumes and must be seeded by September 15 to allow sufficient growth before winter. Seeding should be done by direct seeding, if possible, with no pasture breaking prior to seeding to minimize GHG emissions. Seeding into native grassland is ineligible.
4. **New to Field** – The BMP must be new to the quarter section. Previously paid OFCAF projects on fields within the same quarter section are not considered new to the field.
5. **Other** – Other costs include BMP action plan recommendations, technical assessments or engineered designs. Please describe using the “Other” box in the BMP Action Plan and describe the cost in Box G of the template below. The cost of a BMP Action Plan recommendation is up to 10% of the total cost of all eligible BMPs, to a maximum of \$2,000 per applicant from 2022 to 2028.

## INELIGIBLE COSTS

### Fencing

- No perimeter fences or exterior fences to the grazing field
- No brush clearing
- No repair or maintenance of existing fences
- Fencing materials that are existing in farm inventory
- Upgrades of gates beyond electric wire or barbed wire (e.g. steel, Texas)

### Water Distribution

- Watering systems, either winter or summer, that do not improve grazing management
- Trailers
- Surface or deep-buried water lines (>15 inches)
- Water systems not purchased from a recognized dealer
- Solely limiting livestock access to existing water sources. This would not be considered improving grazing if done in isolation.

### Improved Pasture

- Tillage of seedbed before seeding
- Seeding only grass into pasture
- Seeding into native grassland
- 100% red clover (if red clover is to be seeded it must be part of a perennial legume mix with a maximum of 50% clover)

**NOTE: Line items pre-approved in a BMP category cannot be reallocated within that category. For example, individually pre-approved fencing and watering costs cannot be transferred between the two line items.**

<sup>2</sup> Although not eligible for OFCAF funding, other government programs are available for water source development, such as the Government of [Alberta's Water Program](https://www.alberta.ca/water-program) (<https://www.alberta.ca/water-program>).

## Fencing Supply List

The cost of fencing is based on the materials listed below. Total cost for an installed fence is based on 50% for materials and 50% custom application. If installed by the applicant, only the cost of materials is eligible. In-kind labour is not an eligible expense. Equipment rentals are only eligible for the project location and duration of the project. Lease or rent-to-own arrangements are not eligible.

Item	4 Strand Permanent Barbed Wire	2 Strand Permanent Electric Wire
Posts	Line posts with 16.5 foot (5.0 m) spacing 320 posts per mile (199 posts per km) 20 brace posts, 9 corner and gate posts per mile (13 braces, 6 corner and gate posts per km)	Line posts with 48 foot (14.0 m) spacing 110 posts per mile (66 posts per km) 20 brace posts, 9 corner and gate posts per mile (13 braces, 6 corner and gate posts per km)
Wire	Barbed wire, 12.5 gauge, 2 strand (1320 foot roll) 12 rolls for one mile of three-wire fence 16 rolls for one mile of four-wire fence	High tensile wire, 12.5 gauge, single strand (3750 foot roll) Energizer and associated hook-up supplies 4.5 rolls for one mile of three-wire fence 6 rolls for one mile of four-wire fence
Fasteners	Staples - 6.7 pounds (3 kg) of staples per wire for one mile of fence 20 pounds (9 kg) of staples for one mile of three-wire fence 27 pounds (12 kg) of staples for one mile of four-wire fence	Nails - 3 pounds (1.4 kg) of 2.5 inch nails per wire for one mile of fence 9 pounds (4 kg) of nails for one mile of three-wire fence 12 pounds (5.4 kg) of staples for one mile of four-wire fence
Materials & Installation	Up to \$13/m or \$6.50/m if installed by applicant	Up to \$7/m or \$3.50/m if installed by applicant

## MAPPING REQUIREMENTS

The BMP Action Plan must include maps of existing conditions and the planned project on aerial photos or images, as shown in this figure.

Include:

- Legal land description
- Field boundaries
- Existing perimeter and cross fences
- Proposed new fences
  - For temporary fencing show planned fencing movement
  - Include type and length: e.g. electric or barbed
- Water sources
- Water distribution
  - Pipelines
  - Waterers



## SELECTED RESOURCES

### Grazing management plans:

- Canadian Forage and Grassland Association, Advanced Grazing Systems Modules, see: <https://bit.ly/499sKxp>
- Beef Cattle Research Council's Grazing Management, see: <https://bit.ly/3cpXbXP>
- University of Nebraska Microsoft Excel spreadsheet record keeping tool, see: <https://bit.ly/3PslIh>

**Water requirements for pastured livestock:** <https://bit.ly/3cBW6ws>

### Water Systems:

- Environmental Manual for Cow/Calf Producers in Alberta, chapter 5, see: <https://bit.ly/3yVmoB3>
- Pumps, pipes, lift - Remote Pasture Water Systems for Livestock, available at: <https://bit.ly/3olNoEV>
- <https://bit.ly/3Rf0CRP>

**Pasture pipelines for watering range livestock:** <https://www.beefresearch.ca/content/uploads/2022/05/Pasture-Pipeline-Design.pdf>

### Alberta's Water Act:

- <https://bit.ly/407mNgK>
- Approval is not needed to install a portable pump in a water course. For other locations, an overview of Water Act Approvals is available at: <https://bit.ly/3OrU2Ea>
- Alternate watering systems using surface water for grazing livestock and some types of dugouts are exempt from Water Act licenses; see <https://bit.ly/3B8s91a> and <https://bit.ly/3RPf96l>

**High Legume Pasture Project:** <https://bit.ly/3zoC1CA>

**Forage sampling - Iowa Beef Center video at:** <https://bit.ly/3PMmiCM>

**Wintering Site Assessment and Design tool** - A guide to selecting and managing a wintering site in Western Canada Agdex #420/580-3, at: <https://bit.ly/3WxPP6a>

# ROTATIONAL GRAZING - BMP ACTION PLAN

Please note: All costs must exclude GST. Use extra forms for additional information as needed.

<b>Applicant Name</b>					
<b>Project Livestock</b>	<b>Type(s)</b>		<b># of Head:</b>		
			<b># of Grazing Herds:</b>		
If not owned land, do you have permission from the landowner to install permanent structures (e.g. fencing, pipes)?					Yes    No
<b>New BMP Objective – check which ones apply</b>	<b>Fencing</b>		<b>Water Distribution</b>	<b>Improve pasture with legumes</b>	<b>Other</b>
<b>Is BMP new to the field?</b>	Yes    No	<b>Is BMP new to the farm?</b>	Yes    No		
<b>FENCING – Choose activity and provide planned date (mo/yr):</b>					
<b>Installation*</b>	<b>Custom Fencing (y/n):</b>		<b>Applicant Constructed Fencing ** (y/n):</b>		
<b>Field</b>	<b>Area</b>	<b>Materials and/or Installation *</b>	<b>Cost/Unit</b>	<b>Quantity or Length</b>	<b>Costs per Field</b>
(LLD)	(ac)	(barbed, electric, installation or other)	(\$/specify)	(specify)	(\$)
<b>Total</b>					(A)
<b>WATER DISTRIBUTION – Choose activity and provide planned date (mo/yr)</b>					
\$37,500 maximum eligible expenses over years 2025 - 2028					
<b>Remote waterers (y/n):</b>		<b>Shallow pipelines (y/n):</b>		<b>Other (describe)</b>	
<b>Field</b>	<b>Area</b>	<b>Materials and/or Installation **</b>	<b>Cost/Unit</b>	<b>Quantity or Length</b>	<b>Costs per Field</b>
(LLD)	(ac)	(describe)	(\$/specify)	(specify)	(\$)
<b>Total</b>					(B)
<b>C) Cost of All Materials and Installation (A + B)</b>					
<b>SEE PAGE 2 FOR IMPROVED PASTURE COMPOSITION</b>					

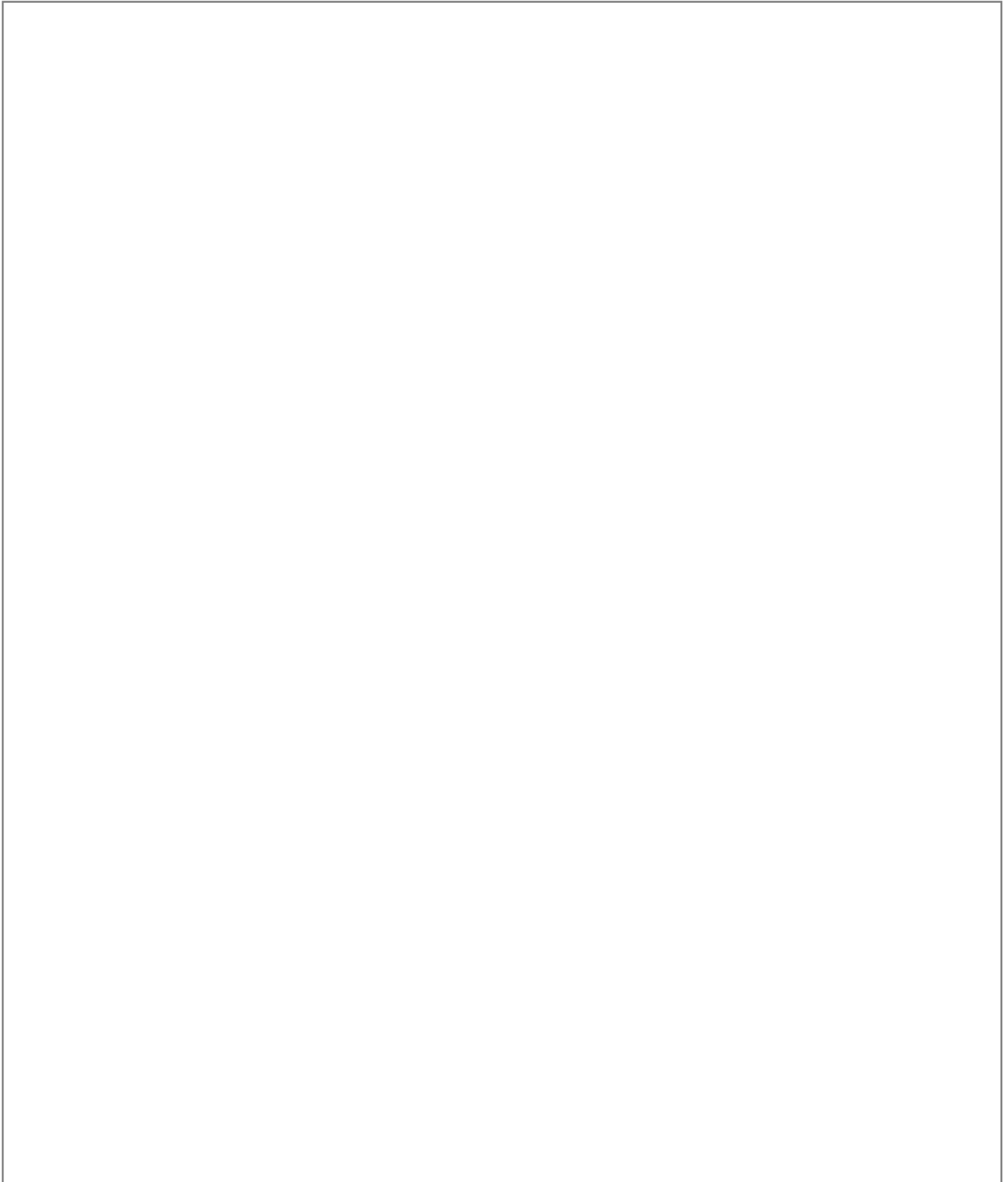
\* Eligible materials and installation costs are listed on page 3 of this template. \*\* In-kind labour and lease or rent-to-own arrangements are not eligible costs.

IMPROVE PASTURE COMPOSITION – SEED COSTS					
Field	Seeded Area	Seed Mix	Rate	Planned Planting Date	Cost of Seed
(LLD)	(ac)	include % of legumes (type)	(lb/ac)	(mo/yr)	up to \$85/ac (\$/ac)
TOTALS					(D)

IMPROVE PASTURE COMPOSITION – SEEDING COSTS (only answer if custom seeding)					
Field	Method of seeding		Custom Seeding * up to \$30/ac	Equipment Rental Cost *	
(LLD)			(\$)		
TOTALS				(E)	
F) Total Cost of Improved Pasture (D + E)					
G) Cost of Other (PAg/CCA incurred)**					
H) Total Cost of Project (C + F + G)					
Is this Plan recommended by a Professional Agrologist (PAg) or Certified Crop Advisory (CCA)?		Yes	No	Have you included a detailed, labelled map of your project?	
				Yes	
				No	
Name and designation:		PAg/CCA		Phone number:	
				Email:	
				Date:	

\*Custom rates for broadcasting: up to \$12/ac and direct seeding: up to \$30/ac. In-kind labour and lease or rent-to-own arrangements are not eligible costs. \*\*May include the cost of BMP Action Plan recommendation of up to 10% of the total cost of all eligible BMPs, to a maximum of \$2,000 per applicant (total from 2022 to 2028).

Map on an aerial photo or image showing the project fields, legal land locations, and field boundaries. Any method of outlining and labelling fields may be used as long as the fields are visible beneath. Further details are available in [A Guide to Locating and Labelling BMP Action Plans \(rdar.ca/funding-opportunities/resources#forms-guides\)](https://rdar.ca/funding-opportunities/resources#forms-guides).

A large, empty rectangular box with a thin black border, intended for a map showing project fields, legal land locations, and field boundaries. The box is currently blank, providing space for the user to draw or paste a map.