

NITROGEN MANAGEMENT APPLICATION FORM

On Farm Climate Action Fund

Contact Information

First name:	Middle name:	Last name:	
Farm/Business Name:			
Street address:	Nearest town:	Province:	Postal code:
Telephone #:	Email:		

Type of Business or Organization

Choose one and complete the required information

<input type="checkbox"/> Individual Proprietorship (if you file to Canada Revenue Agency as an individual) Social Insurance Number:
<input type="checkbox"/> Incorporated Company (if you file to Canada Revenue Agency as a Company) Revenue Canada Business Number:
<input type="checkbox"/> Partnership (if you file to Canada Revenue Agency as a partnership) Revenue Canada Business Number:
<input type="checkbox"/> Other (please identify): Registration Number:

Partnerships

If you indicated "Partnership" as your type of business in Section 1.2, please list the partner name(s) and their ownership per cent in the table below.

Name of all partners	Percent of ownership
Total (must equal 100%):	

Applicant Information (please choose only one)

- ☐ Primary producer
- ☐ Indigenous government/Indigenous community/Indigenous group

PLEASE NOTE ANY UNANSWERED QUESTIONS WILL DELAY YOUR APPLICATION

Type of Industry (please choose only one)

<input type="checkbox"/> Oilseed and grain farming	<input type="checkbox"/> Dairy cattle and milk production	<input type="checkbox"/> Beef cattle, including feedlots	<input type="checkbox"/> Other crop farming Please specify:
<input type="checkbox"/> Vegetable farming	<input type="checkbox"/> Hog and pig farming	<input type="checkbox"/> Fruit and tree nut farming	<input type="checkbox"/> Other animal production Please specify:
<input type="checkbox"/> Sheep and goat farming	<input type="checkbox"/> Poultry and egg production	<input type="checkbox"/> Support activities for crop production	<input type="checkbox"/> Support activities for animal production
<input type="checkbox"/> Multiple industries Please specify:			<input type="checkbox"/> Not applicable

Project Advisor

Please provide contact information for the agronomist, Certified Crop Advisor, or Professional Agrologist (P.Ag) that is providing support with your project.

Advisor Name:		
Advisor Contact	Phone:	Email:
Advisor Signature:		

Project Funding

Have you, or will you, secure any other Provincial and/or Federal Government funding for this project?

Yes or No:	
If yes, provide detailed information as indicated below	
Source	Dollar Amount

PLEASE NOTE ANY UNANSWERED QUESTIONS WILL DELAY YOUR APPLICATION

Improved Nitrogen Management

Please complete the table below. If more space is needed, applicants can provide this section on a separate page attached to the end of the application.

Property ID's	Acreage	Crop

For purchases of equipment for improved nitrogen management, enhanced efficiency fertilizers, soil sampling and mapping services, and nutrient management planning.

Project Expenses (i.e. materials, services, labour, equipment, etc.)	Supplier	Estimated cost (less HST)
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
		\$
Total:		\$

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Project total value: \$

Project total eligible costs: \$

PLEASE NOTE ANY UNANSWERED QUESTIONS WILL DELAY YOUR APPLICATION

Improved Nitrogen Management Plan

Please provide required project details using the space given or attach a summary/project proposal (1-2 pages) to the end of the application form if more space is required.

It is recommended that you discuss with the Program Advisor prior to applying.

BMP: Improved nitrogen management practices management practices

Eligibility Questions: Please answer all questions related to your project activities. **Yes No**

1. Is this activity on previously cropped land
2. Has this activity been previously done on these acres?
3. Is there any improvement to the activities that has not been done in the past?

If you answered yes to question 3 please describe the improvement.

Current Standard Practice: Please describe current standard practice on these acres.

a. Increasing Legumes in Rotation

What legume species are you establishing?

What is the planting date?

What is the seeding rate?

What equipment are you using to establish the legume crop?

What method are you using to establish the legumes?

What is the goal of the legume crop?

b. Split Application of Nitrogen Fertilizer

What kind of fertilizer are you using?

What is the rate of application?

What equipment will be used to apply fertilizer?

What date will the split application/s be done?

PLEASE NOTE ANY UNANSWERED QUESTIONS WILL DELAY YOUR APPLICATION

Nitrogen Management Activities (Continued)

c. Nitrogen Inhibitors

Yes No

Are you using registered inhibitors?

Are you using a dual inhibitor product (Nitrate & Urease)

d. Enhanced Efficiency Nitrogen Fertilizers

Are you using registered Enhanced Efficiency Fertilizer products?

What type of fertilizer is being used?

Liquid

Solid

What is the name of the product being applied?

What time/date will the fertilizer be applied?

What is the rate of application?

What equipment will be used to apply the fertilizer?

e. Improving Placement of Organic Amendments

What amendment are you using?

How are you improving placement of the amendment?

What is the rate of application?

How is it being applied?

How soon after application is it incorporated?

Use the space below to provide additional information or attach it separately at the end of the application.

PLEASE NOTE ANY UNANSWERED QUESTIONS WILL DELAY YOUR APPLICATION

3. Declarations and Consent to Use Personal Information

Please provide a checkmark in each box after reading each paragraph closely.

By submitting this form for project funding, I/We:

- understand that personal information on this form is collected under Section 31c of the Freedom of Information and Protection of Privacy Act R.S.P.E.I. 1988 c. F-15.01 as it relates directly to and is necessary for the Agricultural Climate Solutions On Farm Climate Action Fund. It will be used for determining eligible for program assistance and will be shared with the Canada Revenue agency regarding the taxable benefit and Agriculture and AgriFood Canada, regarding program management, claims, audits, and evaluation of this program
- agree that information provided for purposes of the On Farm Climate Action Fund may be shared with the Canada Revenue Agency as it pertains to any potential taxable benefits, as well as with Agriculture and Agri-Food Canada or its agent regarding claims, audits and evaluations as it relates directly to and is necessary
- understand that successful applicants will be required to enter into a written agreement with the PEI Federation of Agriculture that provides for cash and/or in-kind contributions at Fair Market Value in accordance with the cost-share ratios identified in the program guidelines as well as additional requirements that are consistent with and reflect the terms, conditions, and objectives of the On Farm Climate Action Fund
- understand that, if approved, this project will not be eligible for funding from any other On Farm Climate Action Fund providers
- agree not use any GHG emissions reductions, avoidances or removals arising from this project to apply for any existing or future federal, provincial, or voluntary offset credit programs if the GHG emission reductions are generated between March 1, 2025 and March 31, 2028
- agree to participate in an evaluation and/or audit of the program
- understand that projects funded may be communicated through the PEI Federation of Agriculture's public and social media channels
- understand that failing to comply with all application requirements may delay the processing of the application, or may render me ineligible for receiving assistance under the program
- understand that the Social Insurance Number, Business Number and/or Charity Registration Number is collected under the authority of the Income Tax Act for the purposes of reporting income
- acknowledge that my/our completing this application form and by receiving advice from the PEI Federation of Agriculture or other program delivery agent does not oblige the PEI Federation of Agriculture or other delivery agents to provide funding

I, _____ certify that the information given on this application is to the best of my knowledge complete, true and accurate.

Name of Applicant/Signing
Officer (please print)

Signature of Applicant/Signing
Officer

Date

Demographic Questions must be Answered

4. Demographic Information

Your **Mandatory** response to the following questions will assist in understanding the demographic profile of On Farm Climate Action Fund clients.

Do you identify as	<input type="checkbox"/> Man	<input type="checkbox"/> Woman	<input type="checkbox"/> Gender not listed	<input type="checkbox"/> Prefer not to say
Are you a senior (age 65 or older)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Are you a youth (age 29 or younger)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Do you identify as a person with a disability?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
What is your first language?	<input type="checkbox"/> English	<input type="checkbox"/> French	<input type="checkbox"/> Other	<input type="checkbox"/> Prefer not to say
Are you proficient in languages other than English or French?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Do you identify as a member of the Island's Acadian community?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Do you identify as a member of an Indigenous group?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Do you identify as a newcomer to Canada?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	
Do you identify as part of another under-represented group?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Prefer not to say	

5. Submitting Applications

Completed applications may be submitted to the attention of the **OFCAF Program Officer** via regular mail or email.

Email applications:

Once you have completed the application, you may e-mail a signed copy in PDF to ofcaf@peifa.ca.

Regular mail applications:

Applications may be submitted via regular mail at:

PEI Federation of Agriculture
159 Sherwood Road
Suite 100
Charlottetown, PE, C1E 0E5
(902) 368-7289 (telephone)
(902) 368-7204 (facsimile)

OFFICE USE ONLY

Date Application Received:

Approved? ☐ Y ☐ N

Date Application Completed:

Initials:

OFCAF Program Officer Contacts

If you have questions about the program or application please reach out to one of our program officers.

Rimsha Khan

email: rkhan@peifa.ca

Phone: 902-368-7289

Cell: 902-916-1071

Meagan Moynagh

email:

mmoynagh@peifa.ca

Phone: 902-368-7289

Nitrogen Management Worksheet

Through this worksheet you will be able to more accurately determine the ideal rate of nitrogen that needs to be applied to fields as part of the nitrogen management BMP. This worksheet accounts for nitrogen that will be removed through crop harvesting and nitrogen that will be added from other inputs like manure and legume crop rotations. It also allows you to consider the 4R concepts to account for savings in fertilizer based on right source, right place, right time, right rate.

To start complete the field plan and target yield tables on this page to determine estimated nitrogen loss.

Field Plan

Step 1: Enter all field names being used in your nitrogen management project.

Step 2: Enter the PID's that will be included in your nitrogen management project.

Step 3: Enter the total # of crop acres for each field.

Step 4: Select the crop that is being grown from the drop down menu.

(if establishing legumes select the crop that will be grown after the legumes)

Field Name	PID #	Area (a)	Crops Grown

Total Area

Nitrogen Removed per Crop Yield

Enter target yields for the all crops being planted in the fields listed in the field plan. This will generate an estimate of Nitrogen removal (lb/a) for that yield.

*For crops not listed download the AgPHD Fertilizer Removal App

Crop	Yield Goal	Unit	N Removed (lb/ac)
		cwt	
		MT	
		MT	
		MT	
		MT	
		MT	
		MT	
		MT	
		MT	
		MT	

Manure Credit Calculator

Nitrogen can be input through the application of manure to a field. Accounting for manure credits can reduce the rate of nitrogen fertilizer that needs to be applied.

Instructions

Only fill out the manure types you plan on using on the fields in this project.

Step 1: Enter the application rate and other values from your manure analysis report for the types of manure being spread.

Note: If you do not have a manure analysis report use example Averages as referenced.

Step 2: Use The drop down menu to select the Incorporation value.

Step 3: Use The drop down menu to select the appropriate coefficient value based on your C:N ratio and time of application.

The estimated total nutrients available to the crop that year are indicated in the orange boxes.

	Solid	Liquid	Poultry	Animal Averages for Estimation
Application Rate (tons/acre):				
C:N Ratio				Beef: 20, Dairy: 15, Poultry: 8, Swine: 11
Nitrogen %				Beef:0.35, Dairy:0.40, Poultry:0.25, Swine:0.51
Ammonium %				Beef:0.09, Dairy:0.16, Poultry:0.64, Swine:0.24
Incorporation Value				
Nitrogen Coefficient Value				
Total Amount of Nitrogen (lbs N/acre)				

Reference values courtesy of the government of Prince Edward Island Department of Agriculture and Land:

Nitrogen Balance Worksheet

The Nitrogen Balance table considers nitrogen removals, sources (manure, legumes), and 4R considerations to give you an estimated optimal nitrogen application rate. The legume, manure, and 4R tables are intended to provide a reference point only.

Instructions

Please fill in the Biological Supply, Crop Removal (from the table on the first page), Manure Credit and Legume Credit values.

BiologicalSupply: If Soil Health testing shows high BNS, or Organic Matter is high (>3%), Otherwise leave blank

CropRemoval: Value based on the yield goals entered in 'Crop Removal' table.

Legume Credit: Using the legume reference table on Page 4 enter the Legume Credit value in the green row.

ManureCredit: Enter the value calculated from the manure credit calculator on page 2.

NitrogenRequired: This is the amount of Nitrogen that is expected to be removed from the field at harvest.

NitrogenRateApplied: Enter the actual Nitrogen fertilizer rate you intend to apply/ have applied on the field.

Crop										
Biological Supply (lb/a)										
Crop Removal (lb/a)										
Legume Credit (lb/a)										
Manure Credit (lb/a)										
Nitrogen Required (lb/a)										
Nitrogen Rate Applied (lb/a)										

4R Recommended Rate (optional)

Considering the 4R principles and applying them to nitrogen management can significantly reduce the rate of fertilizer that is applied to fields. This table gives you a rough estimate of the ideal rate when considering rate, source, timing, and placement.

Instructions

Step1:Using the drop down menus select the option being used for source, time, and placement. SR = Slow Release (e.g. Urease and/or Nitrification inhibitor). Commas indicate multiple sources for split applications. Blend assumes an NPK blend.

Step2:Enter your standard nitrogen rate OR leave default values populated from 'N Balance' worksheet

EfficiencyFactor:A combined factor for source, time, and placement, based on research. Higher values indicate higher Nitrogen Use Efficiency (NUE)

4R Adjusted Rate:A calculated application rate based on source, timing, and placement of Nitrogen.

N Source										
N Timing										
N Placement										
Standard Rate (lbs/a)										
4R Efficiency Factor										
4R Adjusted Rate										

Use these reference table to enter the applicable value for the Legume credit portion of the nitrogen balance table on page 3.

Legume Credit Reference Table

Table 3 - Estimates of Nitrogen Credits for Various Legume Scenarios						
Forage Type	Minimum % Legume	Yrs Established	N Credit (lbs/a)			
			Stand Fair (PEI)	Stand Good (PEI) 1	OMAFRA 2	Gov Manitoba 3
Legumes	50%	1			40	
Legumes	20%	>1			20	
Legumes	30%	>1			50	
Legumes	50%	>1			100	
Alfalfa	50%	2	36	71		
Alfalfa	50%	3	36	71		
Alfalfa	50%	4	36	71		70
Red Clover	50%	2	18	36		20
Red Clover	50%	3	18	36		
Rye Grass		1	0	-13		