



## **SPECIFIC CONDITIONS OF PARTICIPATION FOR BMPS 1 TO 8 IN THE AGRISOLUTIONS CLIMAT PROJECT – 2024 SEASON**

This document is a supplement to the document entitled “*General Conditions of Participation in the Agrisolutions climat project – Nitrogen Management Component.*” It provides further details on the requirements involved in participating in each BMP.

### **Information**

#### **Review of “Nitrogen Management” objectives:**

- Avoid using nitrogen fertilizer by altering a practice
- Replace one nitrogen source with a better one
- Innovate by adding a new BMP

#### **Review of the main general conditions:**

- The minimum area per BMP is 5 hectares (ha) for horticultural sectors and 20 ha for the field crop sector.
- The maximum area is 50 ha per BMP for both sectors.
- The operator must receive coaching from an advisor who can certify that the new practice was properly implemented in the 2024 season.
- Financial assistance is provided based on the proposed seeded surface area unless otherwise specified.
- The farm business must have completed the *Agrisolutions climat* portrait, which means providing information illustrating the business’s progress in adopting BMPs to reduce GHG emissions.
- The farm business and the advisor commit to abiding by the conditions set out in this document.

#### **Specific conditions of participation**

In choosing a beneficial management practice (BMP) under the “Nitrogen Management” component of the *Agrisolutions climat* project, the farm business must, at the end of the process, provide proof of having implemented the BMP in order to receive financial assistance.





**Specific conditions of participation are established for each BMP:**

**BMP 1:**

**Reducing total mineral nitrogen fertilizer use for a whole crop**

**The farm business:**

- May not implement this BMP and receive funding for it in combination with either BMP 2 or BMP 3.
- Commits to reducing the total amount of nitrogen from the mineral fertilizer used for an entire crop<sup>1</sup> by at least 15%.<sup>2</sup>
- Submits its agro-environmental fertilization plans for 2023 and 2024 and their required follow-ups as well as its 2024 farm plan at the end of the season.

<sup>1</sup> The farm business may present a reduction plan for more than one crop as long as it does not exceed 50 ha.

<sup>2</sup> The reduction in the total amount of nitrogen from mineral fertilizer is calculated by comparing the amounts applied in 2023 and in 2024 based on the area under cultivation.

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**BMP 2:**

**Reducing total mineral nitrogen fertilizer use following a cover crop**

**The farm business:**

- May not implement this BMP and receive funding for it in combination with BMP 1.
- Must demonstrate that a cover crop was used in 2023 for the proposed plots with a cover crop location plan.
- Commits to reducing the total amount of nitrogen from the mineral fertilizer used for an entire crop<sup>1</sup> by at least 15%.<sup>2</sup>
- Submits its agro-environmental fertilization plans for 2023 and 2024 and their required follow-ups as well as its 2024 farm plan at the end of the season.

<sup>1</sup> The farm business may present a reduction plan for more than one crop as long as it does not exceed 50 ha.

<sup>2</sup> The reduction in the total amount of nitrogen from mineral fertilizer is calculated by comparing the amounts applied in 2023 and in 2024 based on the area under cultivation.

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**Specific conditions of participation are established for each BMP:**

**BMP 3:**

**Replacing mineral nitrogen fertilizers with farm-wide amendments**

**The farm business:**

- May not implement this BMP and receive funding for it in combination with BMP 1.
- Commits to reducing the total amount of nitrogen from the mineral fertilizer used on the entire farm by at least 10%.<sup>1</sup>
- Conducts spreading between April 1 and October 1.
- Imports and valorizes manure, slurry, compost, and other amendments except fertilizing residual materials (FRMs).
- Submits its agro-environmental fertilization plans and their required follow-ups and phosphorus balances for 2023 and 2024 as well as its 2024 farm plan at the end of the season.

<sup>1</sup> The reduction in the total amount of nitrogen from fertilizer is calculated by comparing the amounts applied in 2023 and in 2024 based on the area under cultivation.

**BMP 4:**

**Using polymer-coated urea\***

**The farm business:**

- Declares the required amount of coated urea in kg and submits proof of purchase of the urea in 2024.
- Submits its agro-environmental fertilization plans for 2023 and 2024 and their required follow-ups as well as its 2024 farm plan at the end of the season.
- Receives financial assistance based on the area on which polymer-coated urea is applied and the amount used up to the recommended crop need:<sup>1</sup> between 5 and 20 ha, the assistance is \$0.30/kg; over 20 ha, it is \$0.20/kg.

\* Closed since July 2

<sup>1</sup> A farm business may submit a polymer-coated urea use plan for more than one crop as long as it does not exceed 50 ha. The CRAAQ's fertilizer reference tables are used to determine crop nitrogen needs.



**Specific conditions of participation are established for each BMP:**

**BMP 5:**

**Introducing a new main crop into the rotation to reduce nitrogen needs on the farm**

**The farm business:**

- Commits to reducing the total amount of nitrogen from the mineral fertilizer used on the entire farm by at least 10%.<sup>1</sup>
- Provides proof of purchase of seeds for the new crop.
- Submits its agro-environmental fertilization plans for 2022, 2023, and 2024 and their required follow-ups as well as its 2024 farm plan indicating the location of the new main crop.

<sup>1</sup> The reduction in the total amount of nitrogen from fertilizer is calculated by comparing the amounts applied in 2023 and in 2024 based on the area under cultivation.

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**BMP 6:**

**Introducing a cover crop that includes legumes for horticultural sectors**

**The farm business:**

- Plants a pure-stand cover crop for legumes or a mixture containing at least 50% of the recommended pure-stand dose.
- Submits its 2024 farm plan and the location of the cover crop.
- Must receive coaching from an advisor<sup>1</sup> who can certify that the cover crop was planted properly.

Project participants who want to plant a cover crop through this BMP must use the Guide des cultures de couverture en grandes cultures,<sup>2</sup> the reference for planting and managing cover crops. Participants must refer to this resource to understand the factors that make this practice successful. The accepted seeding dates are listed in the Guide.

Note that plots with cover crops that are entirely or partly for sale (e.g., crops that are mown for commercial hay, harvesting grain for sale) are not eligible.

<sup>1</sup> Only advisors recognized by the *Agriconseils* networks will receive remuneration and travel compensation. Producers may contact their regional *Agriconseils* network for a list of advisors who are able to provide coaching.

<sup>2</sup> Vanasse, A., S. Thibaudeau and A. Weill, 2022, [Guide des cultures de couverture en grandes cultures](#). This guide is provided free of charge to producers and agronomists who request it for as long as the supply of copies purchased through the project lasts.



**Specific conditions of participation are established for each BMP:**

**BMP 7:**

**Sentinelle<sup>+</sup> Horticultural sector crops: Participate in trials to optimize nitrogen fertilization**

**The farm business:**

- Has experience with the crop<sup>1</sup> in question.
- Has access to equipment for split nitrogen application.
- Contributes a plot to the project with the minimum size described in the protocol (hereafter referred to as “the site”).
- Receives coaching from an advisor<sup>2</sup> who is able to make agronomic recommendations.
- Commits to abiding by project and protocol requirements (available from the advisor).

**Compensation and remuneration for selected sites**

**1. The participating producer receives:<sup>3</sup>**

- \$1000 in financial compensation for loss of yield.
- The equivalent of two days' work, at a daily rate of \$375, to a maximum of \$750.

**2. The advisor receives:<sup>3</sup>**

- Six days' remuneration under the Sentinelle<sup>+</sup> component.
  - Daily rate of \$590
  - Travel expenses compensated with a flat rate of \$210.

**Conditions disqualifying operations from participating in the Sentinelle<sup>+</sup> project:**

- Sites selected through the *Agrisolutions climat* project may not receive double provincial and/or federal funding, e.g., through the Prime-vert program.
- The *Agrisolutions climat* project team reserves the right to disqualify plots for reasons other than those specified in this document.

<sup>1</sup> Group 5 Brassica includes stem and head vegetables in the Brassica genus (broccoli, Brussels sprouts, napa Cabbage, cabbage, cauliflower, as well as cultivars and hybrid varieties of these crops.)

<sup>2</sup> Only advisors recognized by the *Agriconseils* networks will receive remuneration and travel compensation. Producers may contact their regional *Agriconseils* network for a list of advisors who are able to provide coaching.

<sup>3</sup> The *Agrisolutions climat* project team reserves the right to alter the amounts paid for compensation and remuneration, in whole or in part, if the requirements are not met.



**Specific conditions of participation are established for each BMP:**

**BMP 8:**

**Sentinelles<sup>+</sup> grain corn: Participate in nitrogen fertilization optimization trials\***

**The farm business:**

- Has grown grain corn for at least three years.
- Has access to equipment for split nitrogen application, ideally with a combine yield monitor.
- Contributes a plot to the project that is at least 4 ha (hereafter referred to as “the site”).
- Receives coaching from an advisor<sup>1</sup>
- who is able to make agronomic recommendations.
- Commits to abiding by project and protocol requirements (available from the advisor).

**Compensation and remuneration for selected sites:**

**1. The participating producer receives:<sup>2</sup>**

- \$500 in financial compensation for loss of yield.
- The equivalent of two days’ work, at a daily rate of \$375, to a maximum of \$750.

**2. The advisor receives:**

- Five days’ remuneration under the Sentinelles<sup>+</sup> component.
  - Daily rate of \$590
  - Travel expenses compensated with a flat rate of \$210

**Conditions disqualifying operations from participating in the Sentinelles<sup>+</sup> project:**

- Sites selected through the *Agrisolutions climat* project may not receive double provincial and/or federal funding, e.g., through the Prime-vert program.
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\* Closed since July 2

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<sup>2</sup> The *Agrisolutions climat* project team reserves the right to alter the amounts paid for compensation and remuneration, in whole or in part, if the requirements are not met.



# Agrisolutions climat

**For further information:**

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Agri-Food Canada

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Funding for this project has been provided by Agriculture and Agri-Food Canada through the Agricultural Climate Solutions – On-Farm Climate Action Fund.