

THIS MEMORANDUM OF COOPERATION made this 19th day of APRIL, 2018.

MEMORANDUM OF COOPERATION

4R NUTRIENT STEWARDSHIP THREE-YEAR AGREEMENT BETWEEN:

**HER MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF SASKATCHEWAN**

as represented by the
Saskatchewan Ministry of Agriculture
(hereinafter referred to as "the Ministry")

and

FERTILIZER CANADA

A non-profit corporation incorporated under
Part II of the *Canadian Corporations Act*,
having its head office located in Ottawa, Ontario.
(hereinafter referred to as "Fertilizer Canada")

WHEREAS the Ministry may enter into agreements for the purpose of improving the agricultural or agri-food industries and furthering agricultural or food testing and research, pursuant to *The Agriculture Administration Act*,

AND WHEREAS the Ministry wishes to support the development of regional applied research and demonstration sites consistent with and supportive of the development and diversification of Saskatchewan's agriculture and food industry,

AND WHEREAS Fertilizer Canada is an industry member association representing Canadian manufacturers, wholesalers and retail distributors of nitrogen, phosphate and potash fertilizers used in the production of agricultural crops,

AND WHEREAS Fertilizer Canada is committed to supporting the fertilizer industry with innovative research and programming, while advocating sustainability, stewardship, safety and security through standards and Codes of Practice,

AND WHEREAS Fertilizer Canada and the Ministry wish to demonstrate the 4R nutrient stewardship program,

The Parties agree as follows:

1. PURPOSE

The purpose of this Memorandum of Cooperation (the “MOC”) is to outline areas of collaboration between the Ministry and Fertilizer Canada (the “Parties”) in regards to:

- a. Determining how to use the *Right Source @ Right Rate, Right Time, Right Place*® approach to nutrient management (commonly referred to as *4R Nutrient Stewardship*, established by Fertilizer Canada) to help meet the Ministry’s objectives for environmental stewardship.
- b. Establishing demonstrations to showcase Fertilizer Canada’s voluntary nutrient stewardship initiative known as *4R Nutrient Stewardship - Right Source @ Right Rate, Right Time, Right Place*®, to producers and industry at prominent public demonstration site(s) in Saskatchewan.

2. OBJECTIVE

- a. To improve nutrient management and the protection and conservation of Saskatchewan’s agricultural soils through heightened awareness of the 4R principles and associated management options.
- b. To establish mechanisms to assist in the pursuit of common objectives related to the implementation of the 4R principles that reflect the mutual priorities of both Parties with respect to soil health and nutrient management, and the Saskatchewan government’s commitments to sustainable growth of the crop sector that will contribute to Saskatchewan’s Plan for Growth.

3. PRINCIPLES

- a. The parties agree that principles articulated in the *Right Source @ Right Rate, Right Time, Right Place*® approach to nutrient management provides a framework to help meet the common goal of sustainability.
- a. The Parties acknowledge that healthy soils are essential to economic and environmental sustainable crop production and that the proper application of nutrients using the 4R principles is important to soil health and crop nutrition.
- b. The Parties recognize that crop nutrient best management practices (“BMPs”) must be science-based and that a variety of BMPs may be required to deliver the right nutrient source at the right rate, time and place.
- c. The Parties understand that the 4R nutrient stewardship planning for crop production is an important component of environmental farm planning.
- d. The Parties acknowledge that the 4R principles are in alignment with the Canadian Round Table for Sustainable Crops position on nutrient management, and may become part of a national voluntary sustainability metrics platform.

communications. The Ministry reserves the copyright on all materials it publishes, but will acknowledge Fertilizer Canada's contribution.

IMPLEMENTATION OF THE MOC

To advance this MOC, the Parties commit to collaborate towards developing a 4R principle demonstration project for 2018, 2019 and 2020 including establishing a 4R Science Advisory Committee. The chair, members, activities and communication plan will be mutually agreed upon by the Parties and the Committee's Terms of Reference will be appended to this memorandum after the fact.

5. TERM OF THE MOC

The three-year term of this MOC shall commence on the 19th day of APRIL, 2018, and end on the 31st day of DECEMBER 2021.

6. MEASURES AND OBLIGATIONS

Nothing in the MOC creates any funding obligations for any of the Parties.

The activities carried out under this MOC must be consistent with the 4R principles, and must not conflict with any requirements established through regulation or any other statutory authority.

Nothing in the MOC precludes any of the Parties from exercising any authority or complying with any obligations prescribed under the laws of Saskatchewan or Canada.

7. AMENDMENTS

The MOC may be amended in writing with the consent of all Parties during the term of the memorandum.

8. TERMINATION

Any of the Parties can terminate participation in the MOC by providing not less than thirty days written notice to the other signatory.

9. NOT LEGALLY BINDING

For greater certainty, this MOC does not create legally binding obligations on the Parties.

4. COMMITMENTS OF THE PARTIES

Commitments of all Parties

(1) The Parties make the following commitments:

- a. The Parties are committed to continuing to strengthen environmental stewardship by helping farmers to adopt science-based BMPs.
- b. The Parties agree to work in collaboration to promote the adoption of voluntary 4R principles, where feasible.

MOC Action Items

- a. Fertilizer Canada will communicate the goals of the 4R producer-focussed demonstrations to the Agri-ARM Board(s) with the aim to develop a projects for 2018 to 2021.

It is acknowledged by the parties that Agri-ARM is a network of independent producer-directed applied research and demonstration organizations located across Saskatchewan that is committed to promoting profitable and sustainable agriculture by facilitating research and technology transfer activities for the benefit of the agricultural community as a whole. Each Agri-ARM site operates independently and receives the majority of funds through project-based funding, and core funding from the Ministry.

- b. The Ministry will facilitate communication between Fertilizer Canada and Agri-ARM, but both parties recognize that the Agri-ARM sites operate independently and may or may not choose to participate in the 4R Nutrient Stewardship Program.
- c. Fertilizer Canada may make cash and in-kind contributions toward this demonstration effort.
- d. The Ministry will provide in-kind assistance to facilitate the planning of the demonstrations. The extent and nature of such support will be determined by the willingness of the Agri-ARM sites to participate in the demonstrations.
- e. The Ministry will provide guidance to assure that the 4R demonstrations reflect Saskatchewan Ministry of Agriculture's Strategic Plan and sustainable crop production objectives.
- f. Fertilizer Canada will be the lead on monitoring of the effectiveness of the 4R principles demonstration project.
- g. Fertilizer Canada will be the lead on developing web-based training materials for farmers and other partners. Fertilizer Canada reserves the copyright on all materials it publishes, but will acknowledge the Ministry's contribution.
- h. The Ministry will assist with public education on the benefits of nutrient management, including the 4R principles, via field days, presentations and other

Dated: April 19, 2018

IN WITNESS WHEREOF the parties thereto have executed this Memorandum of Cooperation as of the day and year above written.

SIGNED & DELIVERED

in the presence of:

Amade Stamburda

) **FERTILIZER CANADA**

)

)

Garth Whyte

) Garth Whyte, President and

) Chief Executive Officer

SIGNED & DELIVERED

in the presence of:

) **GOVERNMENT OF SASKATCHEWAN**

) as represented by the Saskatchewan Ministry
) of Agriculture

)

)

) Rick Burton, Deputy Minister

