



Health  
Canada

Santé  
Canada

Your health and  
safety... our priority.

Votre santé et votre  
sécurité... notre priorité.

Re-evaluation Decision

RVD2023-02

# Corn Gluten Meal and Its Associated End-use Products

*Final Decision*

*(publié aussi en français)*

**16 January 2023**

This document is published by the Health Canada Pest Management Regulatory Agency. For further information, please contact:

Publications  
Pest Management Regulatory Agency  
Health Canada  
2 Constellation Drive  
8<sup>th</sup> floor, A.L. 2608 A  
Ottawa, Ontario K1A 0K9

Internet: [canada.ca/pesticides](https://canada.ca/pesticides)  
[pmra.publications-arla@hc-sc.gc.ca](mailto:pmra.publications-arla@hc-sc.gc.ca)

Information Service:  
1-800-267-6315  
[pmra.info-arla@hc-sc.gc.ca](mailto:pmra.info-arla@hc-sc.gc.ca)

**Canada**

ISSN: 1925-1017 (print)  
1925-1025 (online)

Catalogue number: H113-28/2023-2E (print version)  
H113-28/2023-2E-PDF (PDF version)

**© His Majesty the King in Right of Canada, as represented by the Minister of Health Canada, 2023**

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.

## Re-evaluation decision for corn gluten meal and associated end use products

Under the authority of the *Pest Control Products Act*, all registered pesticides must be regularly re-evaluated by Health Canada's Pest Management Regulatory Agency (PMRA) to ensure that they continue to meet health and environmental safety standards and continue to have value. The re-evaluation considers information from various sources such as data and information from pesticide manufacturers and other regulatory agencies, as well as comments received during public consultations. Health Canada applies internationally accepted risk assessment methods as well as current risk management approaches and policies.

Corn gluten meal is registered as a herbicide to be used in areas such as; turf grass, residential lawns, municipal and commercial properties, golf courses, sports fields, parks, and sod farms for pre-emergent inhibition of seed germination of dandelion, crabgrass (smooth and large) and white clover. It is also registered for use in flower, vegetable, and fruit gardens for pre-emergent inhibition of seed germination of weeds. They are registered as commercial and domestic class products (formulated as a solid or granules). Currently registered products containing corn gluten meal can be found in the [Pesticide Product Information Database](#) and in Appendix I.

The Proposed Re-evaluation Decision PRVD2022-04, *Corn gluten meal and Its Associated End-use Products*<sup>1</sup> underwent a 90-day consultation period ending on 20 June 2022. PRVD2022-04 proposed continued registration of corn gluten meal and all associated registered end-use products for sale and use in Canada, with label updates to meet current labelling standards (Appendix IV).

Health Canada received two comments from registrants relating to the proposed label amendments. Commenters are listed in Appendix II. These comments are summarized in Appendix III along with the responses by Health Canada. These comments resulted in revisions to the proposed label amendments for further clarity. However, the comments, did not result in changes to the proposed re-evaluation decision as described in PRVD2022-04. A reference list of all information used as the basis for the proposed re-evaluation decision is included in PRVD2022-04.

This document presents the final re-evaluation decision<sup>2</sup> for the re-evaluation of corn gluten meal, including the label updates required to meet the current labelling standards. All products containing corn gluten meal that are registered in Canada are subject to this re-evaluation decision.

---

<sup>1</sup> "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

<sup>2</sup> "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

## **Re-evaluation decision for Corn Gluten Meal**

Health Canada has completed the re-evaluation of corn gluten meal. Under the authority of the *Pest Control Products Act*, Health Canada has determined that continued registration of products containing corn gluten meal is acceptable with the label updates (Appendix IV). Following a scientific review of the available information, Health Canada has determined that the health and environmental risks and the value of corn gluten meal continue to be acceptable provided that the required mitigation measures are implemented. Label amendments, as summarized below and listed in Appendix IV, are required.

### **Risk mitigation measures**

Registered pesticide product labels include specific directions for use. Directions include risk mitigation measures to protect human health and the environment and must be followed by law. The required updated label statements, as a result of the re-evaluation of corn gluten meal, are summarized below. Refer to Appendix IV for details.

#### **Human health**

Label improvements to meet current standards:

- Update to standard label statements (wording related to good hygiene practices)
- Keep pets away from treated area until a thorough watering or rainfall moves the applied product into the thatch layer.

#### **Environment**

Label improvements to meet current standards:

- Updates to standard label statements (environmental precautions, directions for use, disposal and storage)

#### **Next steps**

To comply with this decision, the required label amendments must be implemented on all product labels no later than 24 months after the publication date of this decision document. Accordingly, both registrants and retailers will have up to 24 months from the date of this decision document to transition to selling the product with the newly amended labels. Similarly, users will also have the same 24-month period from the date of this decision document to transition to using the newly amended labels, which will be available on the Public Registry.

Refer to Appendix I for details on specific products impacted by this decision.

## Other information

Any person may file a notice of objection<sup>3</sup> regarding this decision on corn gluten meal and its associated end-use products within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides section of the Canada.ca website (Request a Reconsideration of Decision) or contact Health Canada's [Pest Management Information Service](#).

The relevant confidential test data on which the decision is based (as referenced in PRVD2022-04) are available for public inspection, upon application, in the PMRA's Reading Room. For more information, please contact Health Canada's [Pest Management Information Service](#).

---

<sup>3</sup> As per subsection 35(1) of the *Pest Control Products Act*.

## Appendix I Registered products containing Corn Gluten Meal in Canada

**Table 1 Products containing Corn Gluten Meal requiring (label) amendments<sup>1</sup>**

Registration number	Marketing class	Registrant	Product name	Formulation type	Guarantee
28808	T	Ingredion Canada Corporation	Prairie Gold	Granular	100%
27865	C	The Environmental Factor Inc.	Turfmaize Pro Corn Gluten Herbicide Pre-Emergent Weed Seed Germination	Granular	98%
29304	C	AG Global Canada GP Inc.	Amaizeingly Green Corn Gluten Meal Herbicide	Solid	99.975%
29640	C	Ingredion Canada Corporation	Prairie Gold Corn Gluten Meal C	Granular	99.7%
27491	D	The Environmental Factor Inc.	Turfmaize Corn Gluten Herbicide Pre-Emergent Weed Seed Germination Inhibitor	Granular	98%
28647	D	AG Global Canada GP Inc.	Amaizeingly Green Corn Gluten Meal Herbicide	Granular	99.975%
29060	D	Scotts Canada Ltd.	Scotts Turf Builder Weed Prevent Corn Gluten Meal	Solid	99.975%
29639	D	Ingredion Canada Corporation	Prairie Gold Corn Gluten Meal D	Granular	99.7%
30981	D	Premier Tech Inc.	Plant-Prod Ultimate Garden Weed Preventer With Corn Gluten Meal	Granular	100%
31835	D	Scotts Canada Ltd.	Vigoro Weed Prevent Corn Gluten Meal	Solid	99.975%
31961	D	AG Global Canada GP Inc	Amaizeingly Green Corn Gluten Meal Herbicide Ddg	Granular	84.975%
32210	D	Evergreen BioInnovations Ltd.	Crab Arrest	Granular	84.975%
32529	D	Scotts Canada Ltd.	Scotts Turf Builder Weed Prevent	Solid	84.975%

<sup>1</sup>as of 6 October 2022, excluding discontinued products or products with a submission for discontinuation.

T = technical, C = commercial, D = domestic

---

## Appendix II

### List of commenters to PRVD2022-04

List of commenters' affiliations for comments submitted in response to PRVD2022-04.

Category	Commenter
Registrant	AG Global
Registrant	Scott's Canada

---

## Appendix III Comments and responses

Health Canada received two written comments during the public consultation for the corn gluten meal proposed re-evaluation decision. Commenters' affiliations are listed in Appendix II. These comments were considered during the final decision phase of this re-evaluation. Summarized comments and Health Canada's responses to them are provided below.

### 1.0 Comments related to the health risk assessment

#### 1.1 Incident reporting

##### 1.1.1 Comment

Comments were received from two registrants regarding the proposed statement "*Keep pets away from treated area until the applied product is no longer visible.*" under the Precautions section. Both registrants indicated that the proposed wording is open to too wide an interpretation and is not practical since some product may be visible for a week or more. The registrants proposed the alternate statement, "*Keep pets away from treated area until after Corn Gluten meal remaining on blades of grass has been washed off by rain fall or a thorough watering.*"

#### Health Canada response

Health Canada agrees that the proposed statement to keep pets off lawns until the product is no longer visible could be impractical for broadcast applications to turf. However, the proposed statement to keep pets away from the area until the corn gluten meal has been washed off blades of grass is unclear and not consistent with the product formulation; the granular product does not adhere to the grass blades, but rather sits on top when applied until watering or rainfall. Registrants indicated that once the product is in the thatch layer, it is mostly inaccessible to the pet.

Therefore, the following statement is required on all commercial and domestic class products with broadcast application to turf, in order to clarify the precaution statement for pets and to help prevent future incidents:

"Keep pets off the treated area until a thorough watering or rainfall moves the applied product into the thatch layer."



---

## Appendix IV Label amendments for products containing corn gluten meal

Information on labels of currently registered products should not be removed unless it contradicts the label statements provided below.

1. Technical grade active ingredient products:
  - 1.1 Replace the term “guarantee” with “active ingredient”.
  - 1.2 On the front panel of Reg. No. 28808, add the following statement  
“Warning, contains the allergen sulfites”
  - 1.3 The following statement must be included in a section entitled **DISPOSAL**  
“Canadian manufacturers should dispose of unwanted active ingredients and containers in accordance with municipal and provincial regulations. For additional details and clean up of spills, contact the manufacturer and the provincial regulatory agency.”
2. Commercial class products:
  - 2.1 Replace the term “guarantee” with “active ingredient”.
  - 2.2 The following statement must be included in a section entitled **PRECAUTIONS**  
Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, protective eyewear (goggles or faceshield), and a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) when handling, mixing/loading or applying the product, and during all clean-up/repair activities.  
  
The following statement must be included in a section entitled **PRECAUTIONS**  
“Keep pets off the treated area until a thorough watering or rainfall moves the applied product into the thatch layer.”
  - 2.3 The following statement must be included in a section entitled **STORAGE**  
“Store this product away from food or feed”
  - 2.4 For end use product; Reg Nos. 32529, 31961, 31835, 29639, 28647, 29640 and 29304 add the following statement on the front panel;  
“Warning, contains the allergen sulfites”

---

### 3. Domestic class products:

- 3.1 Replace the term “guarantee” with “active ingredient”.
- 3.2 The following statement must be included in a section entitled **PRECAUTIONS**
- “For good hygiene practice, wear a long-sleeved shirt, long pants, closed footwear, waterproof gloves, and a dust mask when handling and applying the product.
- 3.3 The following statement must be included in a section entitled **PRECAUTIONS**
- “Keep pets off the treated area until a thorough watering or rainfall moves the applied product into the thatch layer.”
- 3.4 Add the following statement to a section entitled **DISPOSAL**
- “DO NOT reuse empty container. Dispose the empty container with household garbage.”
- “Unused or partially used products should be disposed at provincially or municipally designated hazardous waste disposal sites.”
- 3.5 The following statement must be included in a section entitled **STORAGE**
- “Store this product away from food or feed”
- 3.6 For end use product; Reg Nos. 32529, 31961, 31835, 29639, 28647, 29640 and 29304 add the following statement on the front panel;
- “Warning, contains the allergen sulfites”