

## **Evaluation Report for Category B, Subcategory 4.1 Application**

<b>Application Numbers:</b>	2007-8442, 2007-8443 and 2007-8444
Application:	Conversion to full registration without consultation
Products:	Prairie Gold 60% Corn Gluten Meal Technical,
	TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor
	with Corn Gluten – Commercial and TurfMaize Pre-
	emergent Weed Seed Germination Inhibitor with Corn Gluten
<b>Registration Number:</b>	27490, 27865 and 27491
Active ingredient (a.i.):	Corn Gluten Meal
PMRA Document Number	: 1864292

#### Background

The technical grade active ingredient, Prairie Gold 60% Corn Gluten Meal Technical (Registration Number 27490) and associated end-use product TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten (Registration Number 27491), containing the active ingredient corn gluten meal, are for use in lawns where established Kentucky bluegrass is predominant to inhibit dandelion and smooth crabgrass seed germination.

Both products are conditionally registered in Canada. As a condition of registration, additional efficacy data were required to demonstrate the claimed effect of the end-use product.

The detailed review for Prairie Gold 60% Corn Gluten Meal Technical and TurfMaize Preemergent Weed Seed Germination Inhibitor with Corn Gluten can be found in Regulatory Note REG2003-09 *Corn Gluten Meal*. Subsequent to the original applications, an application to register TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten -Commercial (Registration Number 27865) was reviewed and approved for conditional registration, subject to the same data requirements as those imposed for TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten. TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten – Commercial and TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten are the same product that differ only in their marketing class.



## **Purpose of Application**

The subject applications were submitted to convert Prairie Gold 60% Corn Gluten Meal Technical and its associated end-use products TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten - Commercial and TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten from conditional registration to full registration, respectively.

## Chemistry Assessment

Refer to Regulatory Note REG2003-09 Corn Gluten Meal for the chemistry assessment.

The chemistry requirements for these products have been completed.

#### Health Assessments

Refer to Regulatory Note REG2003-09 Corn Gluten Meal for the health assessment.

#### **Environmental Assessment**

Refer to Regulatory Note REG2003-09 Corn Gluten Meal for the environmental assessment.

#### Value Assessment

In accordance with the condition of registration, efficacy data from published and unpublished trial reports were submitted. Trials were conducted at four locations in western Canada (Kelowna and Penticton, BC, Calgary, AB and Regina, SK) and from one location in eastern Canada (Guelph, ON).

The level of dandelion control was assessed following applications of corn gluten meal at all trial locations over a study period that ranged from one to six years. The level of crabgrass control was assessed following applications of corn gluten meal at the Guelph location over a study period that ranged from one to three years. The level of crabgrass control was only reported in the Guelph trial as the weed is not indigenous to western Canada with the exception for the lower mainland of British Columbia.

Based on the information made available to convert the conditional registration of TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten and TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten - Commercial to full registration status, the weight of evidence supports the conclusion that corn gluten meal may inhibit dandelion and smooth crabgrass seed germination in lawns.

#### Conclusion

Based on the assessment of the data provided, the PMRA has concluded that the information is sufficient to support the conversion of Prairie Gold 60% Corn Gluten Meal Technical, TurfMaize Pro Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten - Commercial and

TurfMaize Pre-emergent Weed Seed Germination Inhibitor with Corn Gluten from conditional to full registration.

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ISSN: 1911-8082

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