

## Evaluation Report for Category B, Subcategory 3.11 & 3.12 Application

**Application Number:** 2010-0972  
**Application:** B.3.11 - New Pests  
B.3.12 - New Site or Host  
**Product:** Velocity M3 All-In-One Herbicide  
**Registration Number:** 29584  
**Active ingredients (a.i.):** Bromoxynil  
Pyrasulfotole  
Thiencarbazone-methyl  
**PMRA Document Number :** **2045942**

### Purpose of Application

The purpose of this application was to amend the product label to include winter wheat and add several weeds.

### Chemistry and Environmental Assessment

The chemistry and environment assessments were not required for this application.

### Health Assessments

The use of Velocity M3 All-In-One Herbicide on winter wheat should not result in potential occupational or bystander exposure over the registered uses of thiencarbazone-methyl, bromoxynil and pyrasulfotole. No unacceptable risk is expected when workers follow label directions and wear personal protective equipment as recommended on the label.

New residue data for thiencarbazone-methyl in winter wheat were submitted to support the use expansion of this active on the Velocity M3 All-In-One Herbicide label. In addition, a processing study in treated wheat was also assessed to determine the potential for concentration of residues of thiencarbazone-methyl into processed commodities.

No new food residue data were required to support the addition of winter wheat to the label of the Velocity M3 All-In-One Herbicide (containing bromoxynil and pyrasulfotole) label since both active ingredients are currently registered for use on winter wheat in Canada with equal or higher application rates. The use of Velocity M3 All-In-One Herbicide is not expected to increase the magnitude of bromoxynil and pyrasulfotole in/on winter wheat.

### Maximum Residue Limit(s)

Based on the maximum residues of thiencarbazone-methyl observed in winter wheat treated according to label directions, the maximum residue limit (MRL) currently proposed for

thiencarbazono-methyl on wheat is adequate to cover this use. Residues in processed commodities not listed in Table 1 are covered under established MRLs for the raw agricultural commodity(ies) (RACs). The established MRL of 0.02 ppm for pyrasulfotole residues in wheat and the proposed MRL of 0.05 ppm for bromoxynil residues in wheat are considered acceptable to cover the use in winter wheat.

**TABLE 1. Summary of Field Trial and Processing Data Used to Establish Maximum Residue Limit(s) (MRLs)**

Commodity	Application Method/ Total Application Rate (g a.i./ha)	PHI (days)	Thiencarbazono-methyl Residues (ppm)		Experimental Processing Factor	Currently Established MRL	Recommended MRL
			Min	Max			
Winter wheat	Foliar broadcast application/ 5	73-86	<0.01	<0.01	Residues in wheat grain were all <0.01 ppm when treated at exaggerated rate	0.01	None

Following the review of all available data, the current MRLs for thiencarbazono-methyl, bromoxynil and pyrasulfotole in/on wheat are considered acceptable. Residues in these crop commodities at the established MRL s will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

**Value Assessment**

The efficacy and crop tolerance data submitted for review support the addition of the new weeds volunteer canary seed (control) and Japanese brome (suppression) to the Velocity M3 All-In-One Herbicide label, as well as a new crop, winter wheat.

**Conclusion**

The PMRA has completed an assessment of this application and found the information sufficient to amend the label of the end-use product, Velocity M3 All-In-One Herbicide, to include winter wheat and add several weeds.

**References**

PMRA Document #	Reference
1859620	2010, Velocity Herbicide (Thiencarbazono-methyl) for Grassy and Broadleaf Weed Control in Winter Wheat, Jan. 15, 2010, pp. 237
1859632	2010, Thiencarbazono-methyl-magnitude of residues in/on winter wheat, amended, DACO: 7.4, 7.4.1

ISSN: 1911-8082

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