



## Velocity M3 All-in-One Herbicide Evaluation Report for Category B Streamlined, Subcategory 3.9 Application

**Application Number:** 2014-1365  
**Application:** Category B, Subcategory 3.9 Application (change in level of control)  
**Product:** Velocity M3 All-in-One Herbicide  
**Registration Number:** Reg. No. 29584  
**Active ingredients (a.i.):** bromoxynil [BRY] + pyrasulfatole [PSA] + thiencazone-methyl [RRR]  
**PMRA Document Number:** 3471258

### Background

Velocity M3 All-in-One Herbicide (Reg. No. 29584) was first registered in July of 2010. Velocity M3 All-in-One Herbicide contains 5 g/L thiencazone-methyl (Group 2 Herbicide) + 31.3 g/L pyrasulfatole (Group 27 Herbicide) + 175 g/L bromoxynil (Group 6 Herbicide) and is labelled for post-emergent weed control in spring, durum and winter wheat grown in the Prairie Provinces and Peace River, Okanagan and Creston Flats regions of British Columbia. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

Bayer CropScience Inc. has applied to amend the registration of Velocity M3 All-in-One Herbicide as per the following:

1. Amend the control claim for spring germinated Japanese brome from suppression to control when applied post-emergence in the spring at currently registered rates; and
2. Add a claim of “*more consistent control of Japanese brome*” when ammonium sulphate (AMS) is used at 500 g/ha (99%) or 1 L/ha (49% solution) or 1.25 L/ha (40% solution) in tank mix with Velocity M3 All-In-One Herbicide on spring wheat only.

### Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and Environmental assessments were not required since the use pattern, including host crops, application rates and timings of the component products remain unchanged.

## **Value Assessment**

Data from a total of 11 field trials conducted between 2008 and 2013 in Alberta and Saskatchewan were provided for review. Seven of the 11 trials were replicated small-plot field trials, whereas the remaining four trials were large single-rep demonstration strip trials. Based on the available information, an amendment to the registration of Velocity M3 All-in-One Herbicide for amending the control claim for spring germinated Japanese brome from suppression to control when applied post-emergence in the spring at currently registered rates can be supported from a Value perspective. Furthermore, amending the label to include a claim of “*more consistent control of Japanese brome*” when AMS is used in tank mix can also be supported from a Value perspective.

## **Conclusion**

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Velocity M3 All-in-One Herbicide by amending the control claim for spring germinated Japanese brome from suppression to control when applied post-emergence in the spring at currently registered rates and adding a claim of “*more consistent control of Japanese brome*” when AMS is used in tank mix with Velocity M3 All-In-One Herbicide on spring wheat only.

## References

<b>PMRA Doc Number</b>	<b>Reference</b>
2416661	2014, Varro and Velocity M3 Herbicides. Data supporting a control claim for spring-germinated Japanese Brome, DACO: 10,10.1,10.2,10.2.2,10.2.3.1,10.2.3.3,10.2.3.3(B).

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