

## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2017-4093  
**Application:** Changes to Product Labels – New Site or Host  
**Product:** VELOCITY M3 All-In-One Herbicide  
**Registration Number:** 29584  
**Active ingredients (a.i.):** Bromoxynil, pyrasulfotole and thien carbazone-methyl  
**PMRA Document Number:** 2918320

### Purpose of Application

The purpose of this application was the removal of the restriction to Western Canada and replacement with a national registration for VELOCITY M3 All-In-One Herbicide and to expand the rotational crop list for Eastern Canada.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

No residue data for thien carbazone-methyl, pyrasulfotole, bromoxynil, or mefenpyr-diethyl in wheat were submitted to support the use expansion of these active ingredients and safener on the VELOCITY M3 All-In-One Herbicide label. Previously reviewed residue data from field trials conducted in/on wheat were reassessed in the framework of this petition. In addition, processing studies in treated wheat were also reassessed to determine the potential for concentration of residues of thien carbazone-methyl, pyrasulfotole, bromoxynil, and mefenpyr-diethyl into processed commodities.

The established MRLs for thien carbazone-methyl, pyrasulfotole, bromoxynil, and mefenpyr-diethyl in/on wheat and livestock commodities are adequate to cover the expected residues resulting from the use of VELOCITY M3 All-In-One Herbicide on a national basis. The dietary exposure assessments on file are also considered acceptable to estimate the dietary exposure to residues of these active ingredients and safener. As such, there are no health risks of concern to any segment of the population, including infants, children, adults and seniors.

Toxicology and occupational assessments were not required for this application.

## **Environmental Assessment**

There are no additional environmental concerns with the removal of the restriction to Western Canada and replacement with a national registration, provided that all mitigation measures listed on the label remain in place.

## **Value Assessment**

Removing the geographical use restrictions for VELOCITY M3 All-In-One Herbicide will provide additional post-emergent weed control options for wheat growers in Eastern Canada and coastal British Columbia. Furthermore, expanding the rotational crop list for VELOCITY M3 All-In-One Herbicide will provide more flexibility for herbicide re-crop management.

Scientific rationales submitted for review demonstrated that VELOCITY M3 All-In-One Herbicide would be expected to perform in an acceptable fashion (in terms of efficacy, host crop tolerance and rotational crop tolerance) when applied as per label directions in Eastern Canada and coastal British Columbia. In addition, all amendments to the rotational crop recommendation list for VELOCITY M3 All-In-One Herbicide are considered acceptable based on extrapolation from other existing precedent registrations in Canada that contain thiencazone-methyl, pyrasulfotole and bromoxynil.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided and supports the removal of the restriction to Western Canada and replacement with a national registration for VELOCITY M3 All-In-One Herbicide and the expansion to the rotational crop list for Eastern Canada.

## References

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| PMRA<br>Document<br>Number<br>2793215 | References<br><br>2017, General Data Bridging Rationale-VARRO Herbicide, VELOCITY M3 All-<br>In-One Herbicide -National Label-, DACO: 10.1,5.2,7.4.1,7.4.2,8.31. |
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ISSN: 1911-8082

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