

## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2017-4077  
**Application:** Changes to Product Labels – New Site or Host  
**Product:** VARRO Herbicide  
**Registration Number:** 29070  
**Active ingredient (a.i.):** Thiencarbazone-methyl  
**PMRA Document Number:** 2918315

### Purpose of Application

The purpose of this application was the removal of the restriction to Western Canada and replacement with a national registration for VARRO 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 new residue data for thiencarbazone-methyl or mefenpyr-diethyl in wheat were submitted to support the use expansion of this active ingredient and safener on the VARRO 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 thiencarbazone-methyl and mefenpyr-diethyl into processed commodities.

The established MRLs for thiencarbazone-methyl and mefenpyr-diethyl in/on wheat and livestock commodities are adequate to cover the expected residues resulting from the use of VARRO Herbicide on a national basis. The dietary exposure assessments on file are also considered acceptable to estimate the dietary exposure to residues of this active ingredient 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 VARRO 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 VARRO Herbicide will provide more flexibility for herbicide re-crop management.

Scientific rationales submitted for review demonstrated that VARRO 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 VARRO Herbicide are considered acceptable based on extrapolation from other existing precedent registrations in Canada that contain thiencazone-methyl.

## **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 VARRO Herbicide and the expansion to the rotational crop list for Eastern Canada.

## References

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