

## Evaluation Report for Category B, Subcategory 2.5, 3.9 Application

**Application Number:** 2017-0637  
**Application:** Changes to End-Use Product Chemistry – Formulation Type  
Changes to Product Labels – Level of Control  
**Product:** Peak 75WG Herbicide  
**Registration Number:** 25310  
**Active ingredient (a.i.):** Prosulfuron  
**PMRA Document Number:** 2834818

### Purpose of Application

The purpose of this application was 1) to amend the label of Peak 75WG Herbicide to allow the use of the product alone and not just in a tank mix for use in field corn or winter wheat and 2) amend the registration to allow for packaging of the product in plastic containers (size range 270 g to 10 kg), in addition to currently registered packaging in water soluble bags.

### Chemistry Assessment

Peak 75WG Herbicide is formulated as a granule containing prosulfuron at a nominal concentration of 75 %. This end-use product has a density of 0.4 - 0.7 g/cm<sup>3</sup> and pH of 5 - 8. The required chemistry data for Peak 75WG Herbicide have been provided, reviewed and found to be acceptable.

### Health Assessments

Peak 75WG Herbicide, for the control of broadleaf weeds in field corn, winter wheat, seed corn, sorghum and millet, fits within the registered use pattern for prosulfuron. The change in product packaging from water dispersible granules in water soluble bags to water dispersible granules in plastic containers ranging from 270 g to 10 kg will result in an increase in exposure to workers mixing and loading the product. A mixer/loader/applicator quantitative risk assessment was conducted and no risks to human health are expected from the use of Peak 75WG Herbicide.

No new residue chemistry data were submitted in support of the application to include a solo use claim on the Peak 75WG Herbicide label. Since the use patterns were within that of the registered product, previously reviewed residue chemistry data conducted in/on field and seed corn, winter wheat, grain and forage millet and sorghum were reassessed in the framework of this application. The change in use of Peak 75WG Herbicide is not expected to result in an increase in the magnitude of prosulfuron residues in/on the treated crops. Therefore, the use of Peak 75WG Herbicide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

A toxicology assessment was not required for this application.

### **Environmental Assessment**

The application rate and method for the amendment is within the registered use pattern. Therefore, there are no unacceptable environmental risks expected associated with the amendment and use of the subject product.

### **Value Assessment**

Peak 75WG Herbicide applied as a solo herbicide treatment will provide growers with greater flexibility to apply Peak 75WG Herbicide alone or in combination with other registered herbicides.

Value information previously submitted by the registrant demonstrated that the application of Peak 75WG Herbicide plus a registered surfactant can be expected to provide acceptable control of wild mustard and suppression of wild buckwheat, lady's thumb, lamb's-quarters, redroot pigweed, velvetleaf, and common ragweed.

Crop safety is not of concern since the label amendment is to remove an herbicide component from the registered treatments.

### **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information and has found it sufficient to support the amendments to the product label for Peak 75WG Herbicide.

## References

PMRA Document Number	References
2725279	2009, A8714C - Content of active ingredient(s) of batch VWC8E28002 after storage in packaging made of HDPE for 2 weeks at 54C, DACO: 3.5.10 CBI
2825422	2017, A8714C – Physico-Chemical Studies of the Formulation, DACO: 3.5.10 CBI
2172938	2012, Agricultural Handler Exposure Task Force (AHETF), Agricultural Handler Exposure Scenario Monograph: Closed Cockpit Aerial Application of Liquid Sprays. Report Number AHE1007. January 20, 2012. Unpublished, DACO 5.3, 5.4
1132206	1999, Peak 75WG: Summary of 1998 trials to define rate of application, DACO: 10.2.3.1.
1132207	2000, Peak 75WG: Summary of 2000 trials to define rate of application, DACO: 10.2.3.1.
1132208	2000, Peak 75WG: 2000 trials to define rate of application, DACO: 10.2.3.3.
1132209	1998, Peak 75WG: 1998 trials to define rate of application, DACO: 10.2.3.3.
1164944	1996, Subject: Prosulfuron, Sub. No. 94-1011 and Peak 75WG Herbicide, Sub. No. 94-1012. Submission of additional efficacy data, Volumes 3 to 6, DACO: 10.1, 10.2.1, 10.2.3, 10.3.1, and 10.3.2.
1873015	2010, Peak 75WG in winter wheat efficacy summary, DACO: 10.1 and 10.2.3.1.
1873017	2010, Efficacy reports for Peak 75WG - Add winter wheat, DACO: 10.2.3.3.
1873019	2010, Crop tolerance reports for Peak 75WG on winter wheat, DACO: 10.3.2.
2725282	2017, Peak 75WG Herbicide - Value summary - To add solo use claim and label and remove requirement for tank mixing with dicamba in field corn or bromoxynil in winter wheat, DACO: 10.1, 10.2.3.1, and 10.3.1.

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services Canada 2018

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.