

## Evaluation Report for Category B, Subcategory 3.1, 3.12 Application

**Application Number:** 2016-2140  
**Application:** Changes to Product Labels – Application Rate increase, New Host  
**Product:** XtendiMax with VaporGrip Technology  
**Registration Number:** 31896  
**Active ingredient (a.i.):** Dicamba  
**PMRA Document Number:** 2759487

### Purpose of Application

The purpose of this submission was to amend the registration of XtendiMax with VaporGrip Technology to include the use in dicamba tolerant seed production fields with an increase in application rate for this use.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

The occupational exposure and risk from the increased rate of XtendiMax with VaporGrip Technology for use on Roundup Ready 2 Xtend soybeans for seed production was assessed. No health risks of concern are expected from the new use, provided that workers follow the label directions and wear the personal protective equipment identified on the label.

No residue data for dicamba in soybean were submitted to support the addition of the new host Roundup Ready 2 Xtend soybean planted for seed production to the XtendiMax with VaporGrip Technology herbicide label as well as an increase in application rate. Previously reviewed residue data from field trials conducted in/on dicamba and glyphosate-tolerant soybean were reassessed in the framework of this petition. No additional residue data are required given that the application rate can be supported based on previously reviewed data and that the use is on soybean for seed production only and is not considered a human food item. Based on this assessment, dietary exposure to dicamba, including the metabolites DCSA and 5-OH dicamba, is not expected to increase and 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**

As the seasonal rate is an increase compared to the registered rate in soybeans, a potential increase in environmental exposure is expected. To mitigate the potential for environmental exposure due to spray drift, additional spray buffer zones are required on the label. The additional use of XtendiMax with VaporGrip Technology on Roundup Ready 2 Xtend soybeans is acceptable.

## **Value Assessment**

The registration of XtendiMax with VaporGrip Technology on Roundup Ready 2 Xtend soybeans would provide an effective way to cull / exclude plants that are non-tolerant or semi tolerant to dicamba from further seed production. There are currently no field level alternatives that are registered for such use.

Value information submitted included data from 77 trials. The information indicated that the registration of XtendiMax with VaporGrip Technology in Roundup Ready 2 Xtend soybean for control of off type plants has acceptable value.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information and can support the amendment to the registration of XtendiMax with VaporGrip Technology.

## References

PMRA Document Number	References
2634417	2016, Value package, DACO 10, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.2.4, 10.3, 10.3.1, 10.3.2, 10.3.2(A), 10.3.3, 10.5, 10.5.1, 10.5.2, and 10.5.3.
2634418	2016, Value data, DACO: 10.2.3.3(B).

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