

## Evaluation Report for Category B, Subcategory 3.10 and 3.12 Application

**Application Number:** 2017-0241  
**Application:** B.3.10: New Tank Mixes  
B.3.12: New Site or Host  
**Product:** Viper ADV  
**Registration Number:** 30626  
**Active ingredients (a.i.):** Bentazon + Imazamox  
**PMRA Document Number :** 2821340

### Purpose of Application

The purpose of this application was to amend the registration of Viper ADV (Reg. No. 30626) to include a tank mixture with a glyphosate herbicide at 900-1800 g a.e./ha for control of volunteer glyphosate tolerant canola in glyphosate tolerant soybean.

### Chemistry Assessment

Chemistry was not required for this application.

### Health Assessments

No new residue data for imazamox or bentazon in glyphosate tolerant variety soybeans were submitted to support the use expansion of these actives on the Viper ADV label. Previously reviewed residue data from field trials conducted in/on glyphosate tolerant variety soybeans were reassessed in the framework of this petition. The proposed use expansion will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

### Environmental Assessment

The use pattern, application rate and method for the tank-mix and the registered product are identical. The tank-mix is applied at the registered rate of 1.0 L/ha (equivalent to 20 g BZN/ha and 429 g IMZ/ha) with glyphosate products at the registered rates. Therefore, there are no unacceptable environmental risks expected associated with the registration and use of the subject product for this use.

### Value Assessment

The tank mixture of Viper ADV plus glyphosate herbicide will offer growers a one-pass post-emergent treatment option with three modes of action for control of overlapping weed spectrums, which may mitigate the development of resistant weed biotypes as well as providing control of a broader spectrum of weeds in glyphosate tolerant soybean.

Value information submitted for review included a scientifically sound rationale and data from replicated field trials. The information demonstrated that the tank mixture of Viper ADV plus a glyphosate herbicide applied at their respective labelled rates can be expected to provide acceptable control of volunteer glyphosate tolerant canola as well as weeds that are controlled by Viper ADV and a glyphosate herbicide when applied separately. The information also demonstrated that glyphosate tolerant soybean can be expected to exhibit an adequate margin of crop safety to the tank mixture that includes glyphosate herbicide at up to 1800 g a.e./ha.

## **Conclusion**

PMRA has reviewed the information provided to add a tank mixture of Viper ADV and a glyphosate herbicide for control of volunteer glyphosate tolerant canola in glyphosate tolerant soybean. Based on the results of the review, the tank mixture is acceptable.

## **References**

PMRA # 2716890      2017, Individual trial reports, DACO: 10.2.3.3(B) and 10.3.2(A).

ISSN: 1911-8082

**8 Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services  
Canada 2017**

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.