



Evaluation Report for Category B, Subcategory 3.12 Application

Application Number: 2012-4574
Application: Product label – new site or host
Product: Viper ADV
Registration Number: 30626
Active ingredients (a.i.): Bentazon (BZN) and Imazamox (IMZ)
PMRA Document Number : 2274879

Purpose of Application

The purpose of this application was to amend the registration of Viper ADV, containing bentazon and imazamox, to include an early post-emergence application in soybeans (from the cotyledon to the 4-leaf stage of soybean) for control of labeled weeds. The application rates, number of applications, application timing, method of application and weed claims are identical to those currently labeled for use on field peas. The applicant is also applying to add soybeans to the list of recommended rotational crops that may be planted the year following an application of Viper ADV.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

A toxicology assessment was not required for this application.

No new residue data were submitted in support of the addition of soybeans as both primary and rotational crop to the label of Viper ADV. Data on file for both actives support the proposed use of Viper ADV on soybeans. The proposed use of Viper ADV is not expected to increase the magnitude of bentazon and imazamox residues in/on soybeans. Therefore, the dietary exposure to bentazon and imazamox 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 health risk assessment was conducted for chemical handlers and postapplication workers for the new use of Viper ADV on soybeans. No risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

Environmental Assessment

Viper ADV is a broad-spectrum, post-emergent herbicide currently registered for use in field peas with a single application of 1 L EP/ha by ground application. A tank-mix of bentazon

(Basagran Forte Herbicide, Reg. No. 22006) and imazamox (Solo WDG Herbicide, Reg. No. 25496) is also currently registered (Reg. No. 30214) for use on field peas with the same application rates and use pattern. Use of Viper ADV on soybeans with the same application rates and use pattern is not expected to pose additional environmental concerns.

Value Assessment

To support the application, a scientific rationale detailing the use pattern of bentazon and imazamox in soybeans was provided for review.

Based on the efficacy information available, the application of 1 L of product per hectare of Viper ADV to soybeans and the addition of soybeans to the list of rotational crops that can be seeded one year after an application of Viper ADV can be supported. The inclusion of soybeans as a host crop on the Viper ADV label will provide growers in western Canada with a combination of two active ingredients for use on soybeans which may improve their weed resistance management strategies.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, Viper ADV, and has found the information sufficient to include an early post-emergence application in soybeans for control of labeled weeds and to add soybeans to the list of recommended rotational crops that may be planted the year following an application of Viper ADV to the product label.

References

- 2243157 2012, Waiver Request for the Exemption from Part 10, Value for the Addition of Soybeans to the Viper ADV Label for the Control of Labelled Weeds. DACO: 10.1, 10.2, 10.2.3.1, 10.2.3.3, 10.3.1, 10.3.2

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