

Kantoral

Evaluation Report for Category B Streamlined, Subcategory 3.10 Application

Application Number: 2014-5175
Application: Category B, Subcategory 3.10 Application (new or changes to product labels – tank mixes)
Product: Kantoral
Registration Number: 29157
Active ingredients (a.i.): triglyceride ethoxylate 10 POE [TXR]
PMRA Document Number: 2515877

Background

Kantoral non-ionic spray adjuvant (Reg. No. 29157) was first registered in January of 2009. Kantoral contains 80% w/w triglyceride ethoxylate 10 POE and is labelled for use with a variety of crop protection products including insecticides, fungicides and herbicides. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

Norac Concepts Inc. has applied to amend the registration of Kantoral to include a tank mix with Valtera Herbicide (Reg. No. 29230; contains 51.1% w/w flumioxazin; Group 14 Herbicide) for use as a foliar-applied harvest aid in dry bean (*Phaseolus vulgaris*).

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and Environmental assessments were not required since the use pattern, including host crops, application rates and timings of the component products remain unchanged.

Value Assessment

Kantoral does not contain nonylphenols or nonylphenol ethoxylates (NPE's), paraffin based ingredients or petroleum distillates (on June 23, 2001 recommendations were made by the Ministers of Health and the Environment that NPE's to be added to the List of Toxic Substances in Schedule 1 under the Canadian Environmental Protection Act). Kantoral can be used at rates similar to existing 90% non-ionic surfactants and at rates lower than those needed for methylated seed oils (MSOs), crop oil concentrates (COCs) or petroleum-based surfactants.

Data from one small-scale field trial that was conducted on black bean in southern Ontario were provided for review. The data demonstrate that Kantoral (applied at 0.125% or 0.25% v/v) in tank mix with Valtera Herbicide can be expected to provide an acceptable level of black bean desiccation. The provided data for the subject tank mix also demonstrated comparable black bean desiccation properties to that of the presently registered commercial standard of Valtera Herbicide + MSO Concentrate (at 1.25 % v/v). Given that Valtera Herbicide is presently registered as a harvest aid product for all *P. vulgaris* dry bean cultivars, unacceptable pre-harvest desiccation would not be expected for Kantoral (at 0.125% or 0.25% v/v) + Valtera Herbicide applied on other *P. vulgaris* cultivars.

Accordingly, based on all available information, an amendment to the registration of Kantoral to include a new tank mix combination with Valtera Herbicide for use as a foliar-applied harvest aid in dry bean (*P. vulgaris*) can be supported from a value perspective.

Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Kantoral by including Valtera Herbicide as a new tank mix partner.

References

PMRA

Doc

Number

Reference

2472039	2014, Value Summary for KANTORAL with Valtera, DACO: 10.1.
2472041	2014, 2014 Desiccation - Norac Adjuvants for flumioxazin (Valtera) in dry beans, DACO: 10.2.3.2,10.3.2

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