

Odyssey Ultra A Herbicide Evaluation Report for Category B Streamlined, Subcategory 3.1, 3.10 and 3.11 Application

Application Number: 2014-5835
Application: Category B, Subcategory 3.1 (new or changes to product labels – application rate increase or decrease), 3.10 (new or changes to product labels – tank mixes) and 3.11 (new or changes to product labels – new pests) Application
Product: Odyssey Ultra A Herbicide
Registration Number: 31353
Active ingredients (a.i.): imazethapyr [IMP] / imazamox [IMZ]
PMRA Document Number : 2532273

Background

Odyssey Ultra A Herbicide (Reg. No. 31353) was first registered in April of 2014. Odyssey Ultra A Herbicide contains 35% w/w each of imazethapyr and imazamox (Group 2 Herbicide) and must be applied in tank mix with Odyssey Ultra B Herbicide (Reg. No. 31354; containing 450 g/L sethoxydim; Group 1 Herbicide). Together, the two Odyssey herbicides comprise Odyssey Ultra Herbicide Tank Mix, a herbicide co-pack that is registered for use on field peas, Clearfield lentils, Clearfield canola and soybeans grown in the prairie provinces and Peace River Region of British Columbia. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

Purpose of Application

BASF Canada Inc. has applied to amend the registration of Odyssey Ultra A Herbicide to include the following:

1. Add Japanese brome as a new pest with the following control claims:
 - a. Control of spring germinated Japanese brome using Odyssey Ultra A Herbicide applied at 43 g/ha (30 g ae/ha) + Odyssey Ultra B Herbicide applied at 0.38 L/ha (171 g ai/ha).
 - b. Suppression of fall germinated Japanese brome using Odyssey Ultra A Herbicide applied at 43 g/ha (30 g ae/ha) + Odyssey Ultra B Herbicide applied at 0.38 L/ha (171 g ai/ha).
 - c. Control of fall germinated Japanese brome using Odyssey Ultra A Herbicide applied at 43 g/ha (30 g ae/ha) + Odyssey Ultra B Herbicide applied at 0.47 L/ha (212 g ai/ha).

2. Reduce the rate of Odyssey Ultra B Herbicide from 0.47 L/ha (212 g ai/ha) to 0.38 L/ha (171 g ai/ha) for quackgrass suppression.
3. Add a tank mix of Poast Ultra Liquid Emulsifiable Herbicide at 0.09 L/ha (40.5 g ai/ha) for control of fall emerged Japanese brome grass, or when weed densities are high and overlapping, when staging is late, or when weeds are under stress and not growing as actively due to moisture stress or temperature stress.
4. Remove wild millet as a weed labelled for control using Odyssey Ultra A Herbicide.

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 or were decreased (e.g., application rate).

Value Assessment

Japanese brome is an annual or winter annual cool season grass that reproduces through seed production. Seeds can germinate in the fall, overwinter as a small seedling and begin to grow in the spring, establishing quickly and using resources that would normally be available for crops. Quackgrass is a perennial weed that is spread both through seed and underground rhizomes. Due to the underground rhizomes, tillage alone is not an effective control method as it results in the spread of weed populations. Both of these weed species can be difficult to control, with limited herbicide options available depending on the crop they are growing in.

The value of the proposed registration amendments for Odyssey Ultra A Herbicide is two-fold. First, the addition of Japanese brome to the Odyssey Ultra A Herbicide label will provide field pea, lentil, canola and soybean growers in western Canada with another herbicide option for this difficult to control weed. Second, reducing the rate of Odyssey Ultra B Herbicide (a component of the overall herbicide tank mix) from 212 to 171 g ai/ha for quackgrass suppression will reduce the product cost to growers who are targeting quackgrass in their fields.

Rationales and data from a total of seven small-scale field trials that were conducted in the prairie provinces in 2014 were provided for review. The rationales and trial data demonstrated the following:

1. Odyssey Ultra A Herbicide (30 g ae/ha) + Odyssey Ultra B Herbicide (171 g ai/ha) can be expected to *control* spring germinated Japanese brome when applied as directed to labelled crops.
2. Odyssey Ultra A Herbicide (30 g ae/ha) + Odyssey Ultra B Herbicide (171 g ai/ha) can be expected to *suppress* fall germinated Japanese brome when applied as directed to labelled crops.
3. Odyssey Ultra A Herbicide (30 g ae/ha) + Odyssey Ultra B Herbicide (212 g ai/ha) can be expected to *control* fall germinated Japanese brome when applied as directed to labelled

crops.

4. Odyssey Ultra A Herbicide (30 g ae/ha) + Odyssey Ultra B Herbicide (171 g ai/ha) can be expected to *suppress* quackgrass when applied as directed to labelled crops.

With respect to the addition of Poast Ultra Liquid Emulsifiable Herbicide as a tank mix partner or the removal of wild millet as a labelled weed, there are no concerns from a value perspective for the inclusion of this tank mix partner or the removal of this weed from the Odyssey Ultra A Herbicide label. Accordingly, based on all available information, all of the registration amendments denoted above 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 Odyssey Ultra B Herbicide by including control / suppression claims for Japanese brome, reducing the rate required for quackgrass suppression and removing wild millet from the label.

References

PMRA Doc Number	Reference
2481381	2014, Application to: Amend the Labeled Weeds to Include Control of Japanese Brome and to Revise the Suppression of Quackgrass Recommendation, DACO: 10.1, 10.2, 10.2.1, 10.2.2, 10.2.3, 10.2.3.1, 10.2.3.3, 10.3, 10.3.1, 10.3.3, 10.4, 10.5, 10.5.1, 10.5.2, 10.5.3.

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