



Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2022-0184
Application: New End Use Product Chemistry- Guarantee
Product: SPEED ADJUVANT
Registration Number: 34900
Active ingredients (a.i.): Solvent (petroleum hydrocarbons) and surfactant blend
PMRA Document Number : 3477333

Purpose of Application

The purpose of this application was to register INTEGRATE II ADJUVANT, to be used in a tank-mix with various labelled herbicides for the control of broadleaf and grass weeds, and as a harvest aid treatment in certain crops.

Chemistry Assessment

INTEGRATE II ADJUVANT is formulated as an emulsifiable concentrate containing solvent (petroleum hydrocarbons) and surfactant blend both at a concentration of 50%. This end-use product has a density of 0.93 g/mL and pH of 2.0–4.0. The required chemistry data for INTEGRATE II ADJUVANT have been provided, reviewed and found to be acceptable.

Health Assessments

INTEGRATE II ADJUVANT is considered moderately acutely toxic via the oral and dermal routes and moderately irritating to the skin. It is considered to be of low acute inhalation toxicity, non-irritating to the eyes and not a dermal sensitizer.

The use of INTEGRATE II ADJUVANT can be supported from an occupational exposure perspective as it fits within the use pattern of the registered tank-mix partner products. As such, occupational and bystander exposures are not expected to exceed the current exposure to the registered uses. No health risks of concern are expected, provided that workers wear the appropriate personal protective equipment and follow all label directions for use.

The use of INTEGRATE II ADJUVANT can be supported from a food residue perspective. New residue data were not submitted; however, data on file for the active ingredients contained in the tank-mix partners of INTEGRATE II ADJUVANT are adequate to support the uses. Existing maximum residue limits for the said active ingredients are acceptable to cover the uses. No health risks of concern have been identified for any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The environmental risks associated with the use of INTEGRATE II ADJUVANT are acceptable when used according to the label directions.

Value Assessment

The availability of INTEGRATE II ADJUVANT provides users with an alternative adjuvant option to use with a variety of herbicide products to manage weeds in a wide variety of crops grown throughout Canada. Registration of a generic product may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

Confirmatory trial data demonstrated that INTEGRATE II ADJUVANT has value when used in tank mixture with certain imazamox ± imazapyr herbicides, clethodim herbicides, pinoxaden herbicides and quizalofop-p-ethyl herbicides applied per their label directions.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the registration of INTEGRATE II ADJUVANT.

References

PMRA

Document

| Number | Reference |
|---------|---|
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| 3102706 | 2020, The Colour of Integrate Adjuvant, DACO: 3.5.1 CBI |
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| 3102709 | 2020, Formulation Type for Integrate Adjuvant, DACO: 3.5.4 CBI |
| 3102710 | 2020, Container Material and Description for Integrate Adjuvant, DACO: 3.5.5 CBI |
| 3102711 | 2020, The Specific Gravity of Integrate Adjuvant, DACO: 3.5.6 CBI |
| 3102712 | 2020, The pH of Integrate Adjuvant, DACO: 3.5.7 CBI |
| 3102713 | 2020, Integrate Adjuvant Oxidation/Reduction: Chemical Incompatibility, DACO: 3.5.8 CBI |
| 3102714 | 2020, The Viscosity of Integrate Adjuvant, DACO: 3.5.9 CBI |
| 3102715 | 2020, Accelerated Storage Stability Study and Corrosion For Integrate Adjuvant, DACO: 3.5.10,3.5.14 CBI |
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| 3229726 | 2021, Accelerated Storage Studies For Integrate Adjuvant, DACO: 3.5.10,3.5.14 CBI |
| 3310017 | 2021, Efficacy and crop tolerance of Ares SN with various adjuvants in Clearfield Canola, DACO: 10.2.3.3, 10.3.2. |
| 3310018 | 2021, Evaluate control and crop tolerance of clethodim/Liberty with various adjuvants, DACO: 10.2.3.3, 10.3.2. |

- 3310019 2019, Evaluation of experimental and standard adjuvants with Pinoxaden 100, DACO: 10.2.3.3, 10.3.2.
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- 3310024 2021, Effect of Adjuvants on the Performance of Centurion + Liberty in LL Canola, DACO: 10.2.3.3, 10.3.2.
- 3310025 2020, Evaluation of various adjuvants with Pinoxaden in wheat, DACO: 10.2.3.3, 10.3.2.
- 3310026 2021, NO21SSK_03_CA_ATH_AMITY, DACO: 10.2.3.3, 10.3.2.
- 3310027 2021, Evaluation of control and crop tolerance of clethodim with various adjuvants on grassy weeds, DACO: 10.2.3.3, 10.3.2.
- 3310028 2020, W36 Norac Pinoxaden wheat, DACO: 10.2.3.3, 10.3.2.
- 3310029 2021, Evaluation of control and crop tolerance of clethodim with various adjuvants on grassy weeds in Field Pea, DACO: 10.2.3.3, 10.3.2.
- 3310030 2021, Evaluation of Various Adjuvants with Pinoxaden in Barley, DACO: 10.2.3.3, 10.3.2.
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