Health Canada Santé Canada

Evaluation Report for Category L, Subcategory 1.2 Application

Application Number: 2021-6648
Application: Submission subject to the Protection of Proprietary Interests in Pesticide Data (PPIP) policy - Equivalency/Data Compensation
Product: Ransack Herbicide
Registration Number: 34931
Active ingredients (a.i.): bentazon (present as sodium salt); imazamox
PMRA Document Number: 3444301

Purpose of Application

The purpose of this application was to register a new end-use product, Ransack Herbicide, based on a registered precedent product.

Chemistry Assessment

Ransack Herbicide is formulated as a solution containing bentazon (present as the sodium salt) at a concentration of 440 g/L and imazamox at a concentration of 20.6 g/L. This end-use product has a density of 1.186 g/mL and pH of 4.52. The required chemistry data for Ransack Herbicide have been provided, reviewed and found to be acceptable.

Health Assessments

Ransack Herbicide is considered of moderate acute toxicity via the oral route, but of low acute toxicity via the dermal and inhalation routes. It is considered moderately irritating to the eye and slightly irritating to the skin. It is considered a potential skin sensitizer.

The use pattern of Ransack Herbicide is comparable to the registered use pattern of the precedent product. Therefore, potential exposure for mixers, loaders, applicators, bystanders and post-application workers is not expected to exceed the current exposure to the registered products of these active ingredients. No health risks of concern are expected for workers and bystanders when label directions, precautions and restrictions are followed.

No new residue data for bentazon or imazamox were submitted or are required to support the registration of Ransack Herbicide. Previously reviewed residue data were re-assessed in the framework of this application.

The use directions on the Ransack Herbicide label, including the target crops, method (ground), rates and timing of application, geographic restrictions, preharvest intervals, feeding restrictions, and crop rotation restrictions, are comparable to those on the label of the precedent end-use product. Based on this assessment, residues are not expected to be greater than those from the currently registered uses and will be covered by the established maximum

residue limits. Consequently, dietary exposure to residues of bentazon and imazamox is not expected to increase with the registration of Ransack Herbicide and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The uses on the Ransack Herbicide label are within the currently registered use pattern of the active ingredients bentazon (present as sodium salt) and imazamox. Therefore, no additional risk is expected when Ransack Herbicide is used in accordance with the label, which includes statements to mitigate risks to the environment.

Value Assessment

Registration of generic products may increase product competition in the marketplace, which may in turn reduce purchasing costs of similar products.

Value information from replicated field trials demonstrated that the performance, in terms of efficacy and crop tolerance, of Ransack Herbicide can be expected to be agronomically comparable to that of the precedent product. Therefore, all labelled uses and claims found on the precedent product label are supported for inclusion on the Ransack Herbicide label.

Efficacy data reported from replicated field trials supported the inclusion of volunteer canola control with an early post-emergent application of Ransack Herbicide at 730 mL/ha + UAN at 2 L/ha.

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 Ransack Herbicide.

References

PMRA Document Number	Reference
3303838	2021, Ransack Herbicide Product Identification and Selected Phys/Chem Properties, DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.3.1,3.5.12,3.5.13,3.5.15,3.5.4,3.5.5 CBI
3303839	2021, Product Name Ransack Manufacturing Manual, DACO: 3.2,3.2.1,3.2.2 CBI
3303840	2021, NFA-0750202: Enforcement Analytical Method for the Determination of Bentazone and Imazamox by High Performance Liquid Chromatography, DACO: 3.4.1
3303841	2021, NFA-0750202: Accelerated Storage Stability and Corrosion Characteristics, DACO: 3.5.10,3.5.14
3303842	2021, NFA-0750202: Physical and Chemical Characteristics, DACO: 3.5.1, 3.5.11, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.8, 3.5.9
3303845	2021, A rationale based on trial data to support the usage of Ransack Herbicide at a 75% rate for the control of volunteer canola, DACO: 10.1, 10.2.3.1, 10.2.3.2(B).