Health Canada Santé Canada

# Evaluation Report for Category L, Subcategory 1.2 Application

**Application Number:** 2019-6647
**Application:** Submission subject to the *Protection of Proprietary Interests in Pesticide Data* (PPIP) policy-Equivalency/Data Compensation Assessment
**Product:** Cyrus Insecticide
**Registration Number:** 34272
**Active ingredient (a.i.):** Cyromazine
**PMRA Document Number: 3248511**

## Purpose of Application

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

## Chemistry Assessment

Cyrus Insecticide is formulated as wettable powder containing cyromazine at a concentration of 75 %. This end-use product has a density of 0.40 - 0.46 g/mL and pH of 8. The required chemistry data for Cyrus Insecticide have been provided, reviewed and found to be acceptable.

## Health Assessments

Cyrus Insecticide was considered toxicologically equivalent to the precedent product; therefore, no toxicology data are required. Cyrus Insecticide is considered to be of low acute toxicity via the oral, dermal and inhalation routes. It is considered to be mildly irritating to the eyes, moderately irritating to the skin, and is not considered to be a dermal sensitizer.

The use pattern of Cyrus Insecticide 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 containing this active ingredient.

No new residue data were submitted in support of the registration of Cyrus Insecticide. The use pattern of Cyrus Insecticide was determined to be comparable to that of the registered product. Therefore, the previously reviewed data were reassessed in the framework of this submission and it was confirmed that the use of Cyrus Insecticide is not expected to result in an increase in the magnitude of



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cyromazine residues in/on the treated crops. Therefore, the registration of Cyrus Insecticide will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

**Environmental Assessment**

The environmental risks associated with the uses of Cyrus Insecticide are acceptable when used according to the label directions.

**Value Assessment**

A formulation comparison of Cyrus Insecticide to a precedent product was conducted to support claims to control fungus gnats, shoreflies, leafminers and sciarid flies on several important crop species. The claims on the precedent product label were extrapolated to the Cyrus Insecticide label based on the similarity in formulation.

By reducing the aesthetic value of ornamental crops, acting as plant disease vectors or directly damaging produce, these insect species can have an important impact on horticultural production. Registration of Cyrus Insecticide will provide growers with an additional product to manage these insects on indoor and outdoor ornamentals, some greenhouse and field vegetables and commercial mushroom farms.

**Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information sufficient to support the registration of Cyrus Insecticide.

## References


| PMRA Document Number | Reference |
|---|---|
| 3066331 | 2019, Physio-chemical Characteristics of Cyromazine 75 % WP, DACO: 3.5 |
| 3066342 | 2017, Cyromazine 75 % WP Determination of flammability, relative self-ignition temperature and oxidizing properties, DACO: 3.5.8,3.5.11,3.5.12 |
| 3066324 | 2017, Cyromazine 75 % WP Method Validation for Determination of the Active Substance, DACO: 3.4.1 CBI |
| 3066325 | 2017, Cyromazine 75% WP Determination of Explosive Properties, DACO: 3.5.12 CBI |
| 3066329 | 2019, DACO 3 Extras - Sharda Cyromazine 75 WP Insecticide (Parent), DACO: 3.1.1,3.1.2,3.1.3,3.1.4,3.5.13,3.5.15,3.5.5 |
| 3066343 | 2017, Cyromazine 75 % WP: Evaluation of Physiochemical Propoerties of the initial preparation and after accelerated storage, DACO: 3.5.1,3.5.10,3.5.2, 3.5.3,3.5.6,3.5.7,3.7 CBI |
| 3086496 | 2020, Chemical Composition to cyromazine 75 % WP - Revised, DACO: 3.2.1,3.2.2,3.3.1 |
| 3214428 | 2021, Physico-Chemical Characterization of Cyromazine 75% WP (Water Soluble Bag), DACO: 3.5.10,3.5.14 CBI |