

Evaluation Report for Category B, Subcategory 3.4, 12 Application

Application Number: 2019-2360
Application: B.3.4: New or Changes to Product Labels-Application Method
B.12: New or Changes to Product Labels-New Site or Host
Product: FPY 500
Registration Number: 33865
Active ingredients (a.i.): fluopyram
PMRA Document Number: 3143839

Purpose of Application

The purpose of this application was to register the product, FPY 500 containing fluopyram as the active ingredient.

Chemistry Assessment

Chemistry assessment was not required.

Health Assessments

FPY 500 is of low acute toxicity by the oral, dermal and inhalation routes. It is non-irritating to the skin and minimally irritating to the eyes of rabbits. It is not a skin sensitizer in mice.

The use of the end-use product FPY 500 on crop subgroup 1C (tuber and corm vegetables) and crop subgroup 13-07G (low-growing berries) is not expected to result in potential occupational or bystander exposure over the registered use of fluopyram. In addition, the occupational exposure and risk from the use on Brassica (cole) leafy vegetables, crop group 8-09 (fruiting vegetables), crop group 9 (cucurbit vegetables), crop group 11-09 (pome fruit), 12-09 (stone fruit), crop subgroup 13-07A (caneberries) and ginseng was assessed. No risks of concern are expected from any of the uses, provided workers follow the label directions and wear the personal protective equipment identified on the label.

No new residue data for fluopyram in Brassica (Cole) Leafy Vegetables, Fruiting Vegetables, Cucurbit Vegetables, Pome Fruits, Stone Fruits, Chokecherry, and Caneberries were submitted to support the FPY 500 label. Previously reviewed residue data were re-assessed in the framework of this application. Based on this assessment, residues of fluopyram in/on treated Brassica (Cole) Leafy Vegetables, Fruiting Vegetables, Cucurbit Vegetables, Pome Fruits, Stone Fruits, Chokecherry, and Caneberry commodities are not expected to increase and will be covered under the established maximum residue limits for fluopyram.

Consequently, the dietary exposure to residues of fluopyram is not expected to increase with the addition of Brassica (Cole) Leafy Vegetables, Fruiting Vegetables, Cucurbit Vegetables, Pome Fruits, Stone Fruits, Chokecherry, and Caneberries and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

After a scientific review of the available information, the environmental risks associated with the uses of FPY 500 are acceptable when used according to the label directions.

Value Assessment

Scientific rationales and efficacy data from field and greenhouse trials conducted in Canada, the USA, Mexico, Brazil, India, Italy, the Philippines and Spain were provided in support of the use claims. Overall, FPY 500 at the tested rates demonstrated its effectiveness against certain plant parasitic nematodes at the level of suppression on cucumber, broccoli, melon, Brussels sprouts, tomato, apple, raspberry, cherry and ginseng. FPY 500 also suppressed powdery mildew on cucumber as shown in the efficacy trials. The value of FPY 500 on the use claims was confirmed from both rationales and efficacy data.

The registration of FPY 500 will provide Canadian growers with a product to manage nematode infestation and certain fungal diseases on the crops or crop groups listed on the label.

Conclusion

The PMRA has reviewed the information provided in support of FPY 500. Based on the results of this review, FPY 500 is acceptable for registration.

References

- 2997271 2019, Value Assessment of Velum Prime for Suppression of Powdery Mildew and Nematodes in Crop Group 5 Brassica (Cole) Leafy Vegetables and Crop Group 9 Cucurbit Vegetables, DACO: 10,10.1,10.2.1,10.2.2,10.2.3,10.2.3.1,10.3,10.3.1,10.3.2(A), 10.5,10.5.1,10.5.2,10.5.3
- 2997272 2019, Value Assessment of Velum Prime - Label expansion to include suppression of nematodes and early blight on Crop Group 8-09: Fruiting Vegetables, DACO: 10,10.1, 10.2.1,10.2.2,10.2.3,10.2.3.1,10.3,10.3.1,10.3.2(A),10.5,10.5.1,10.5.2,10.5.3
- 2997273 2019, Value Assessment of Velum Prime - Label expansion to include suppression of nematodes on Ginseng; Crop Group 11-09: Pome Fruits; Crop Group 12-09 Stone Fruits; and Crop Subgroup 13-07A: Caneberries, DACO: 10,10.1,10.2.1,10.2.2,10.2.3, 10.2.3.1,10.3,10.3.1,10.3.2(A),10.5,10.5.1,10.5.2,10.5.3
- 2997274 2019, CBI Reference Document: Value Assessment of Velum Prime for Suppression of Powdery Mildew and Nematodes in Crop Group 5 Brassica (Cole) Leafy Vegetables and Crop Group 9 Cucurbit Vegetables, DACO: 10,10.1,10.2.1,10.2.2,10.2.3,10.2.3.1, 10.3,10.3.1,10.3.2(A),10.5,10.5.1,10.5.2,10.5.3 CBI
- 2997278 2019, Field Trial reports: Value Assessment of Velum Prime for Suppression of Powdery Mildew and Nematodes in Crop Group 5 Brassica (Cole) Leafy Vegetables and Crop Group 9 Cucurbit Vegetables, DACO: 10.2.3,10.2.3.3,10.2.3.3(D)
- 2997279 2019, Field Trial reports: Value Assessment of Velum Prime - Label expansion to include suppression of nematodes and early blight on Crop Group 8-09: Fruiting Vegetables, DACO: 10.2.3,10.2.3.3,10.2.3.3(D)
- 2997280 2019, Field Trial reports: Value Assessment of Velum Prime - Label expansion to include suppression of nematodes on Ginseng; Crop Group 11-09: Pome Fruits; Crop Group 12-09 Stone Fruits; and Crop Subgroup 13-07A: Caneberries, DACO: 10.2.3,10.2.3.3,10.2.3.3(D)
- 2997283 2016, Fluopyram: Rationale characterizing new uses in sugar beets, onion, caneberry, bushberry, hops, tobacco, corn (field, pop and sweet), wheat and sorghum, DACO: 7.1,7.4.1

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