

Evaluation Report for Category B, Subcategory 2.3, 2.4, 2.5, 3.5 Application

Application Number: 2014-3449
Application: New End Use Product; new formulation and rotational corps and/or plant-back interval
Product: Forum Fungicide
Registration Number: 32026
Active ingredients (a.i.): Dimethomorph
PMRA Document Number : 2566805

Purpose of Application

The purpose of this submission was to register the fungicide product, Forum Fungicide, containing the active ingredient dimethomorph, for use on brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes and greenhouse and outdoor ornamentals. The product is based on precedent products Acrobat 50 WP Fungicide (registration number 27700) and Zampro Fungicide (registration number 30321) which are registered by the same registrant.

Chemistry Assessment

Forum Fungicide is a suspension containing the active ingredient dimethomorph at a nominal concentration of 500 g/L. This product has a density of 1.14-1.16 g/mL and a pH of 7.0-9.0. The chemistry requirement for Forum Fungicide have been fulfilled.

Health Assessments

Forum Fungicide is moderately acutely toxic by the oral route in rats. It is of low acute toxicity by the dermal and inhalation routes in rats. The formulation is minimally irritating to the rabbit eye and skin, and is not a skin sensitizer in guinea pigs.

The use of Forum Fungicide on Brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes, greenhouse and outdoor ornamentals is not expected to result in potential occupational or bystander exposure over the registered use of dimethomorph. No health risks of concern are expected when workers follow the label directions and wear the personal protective equipment identified on the label.

No new dietary residue data for dimethomorph were submitted to support the registration of the new end-use product Forum Fungicide. Previously reviewed field trial and processing studies were reassessed. Residues of dimethomorph in/on crops treated according to the use directions approved for Forum Fungicide will be covered under the maximum residue limits currently established for dimethomorph, as specified in Health Canada's MRL Database (<http://pr-rp.hc-sc.gc.ca/mrl-lrm/index-eng.php>). No increase to the dietary burden of livestock is anticipated as

a result of this application. Based on this assessment, dietary exposure to dimethomorph residues when Forum Fungicide is used according to the approved label directions will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

Environmental Assessment

The application rates, timing, host crops and host crop pests were compared between those of Forum Fungicide and the precedent products Acrobat 50 WP Fungicide and Zampro Fungicide. The PMRA has determined that the new product, Forum Fungicide, does not represent an increase in risk to non-target organisms compared to the two previously registered products.

Value Assessment

Value information was provided in the form of a rationale in which it was argued that dimethomorph formulated as suspension concentrates (SC) are currently registered and used in many countries. Dimethomorph is an active ingredient that is widely used as a systemic fungicide with both curative and preventative properties. End-use products containing dimethomorph are formulated as wettable powders (WP), water-dispersible granulars and suspension concentrates, with the latter having the advantage of easier handling, e.g., mixing, as compared to WP formulations. The use pattern of Forum Fungicide, including application rates on an active ingredient basis, is the same as that of the Canadian-registered Acrobat 50 WP Fungicide and includes many of the same uses as the U.S.-registered Forum Fungicide, which is also formulated as a suspension concentrate and which has been registered there for several years. Furthermore, in an article published by Ohio State University, Forum Fungicide is rated as “highly effective against downy mildew” on grapes as compared to other fungicides available in the U.S. The international acceptance of the SC formulations of dimethomorph also provides support to register Forum Fungicide in Canada.

Based on the weight of evidence, the performance of Forum Fungicide is expected to be similar to that of Acrobat 50 WP Fungicide.

Conclusion

Following review of the application, Forum Fungicide was approved for use on brassica vegetables, bulb vegetables, cucurbit vegetables, fruiting vegetables, ginseng, grapes, hops, leafy vegetables, potatoes and greenhouse and outdoor ornamentals.

References

PMRA

Document

Number

Reference

- | | |
|---------|---|
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