

New or Changes to Product Labels-New Pests Evaluation Report for Category B, Subcategory 3.11Application

Application Number: 2014-0592
Application: B.3.11
Product: Bayer Advanced Complete Insect Dust
Registration Number: 14431
Active ingredients (a.i.): 1.0% Pyrethrins, 10.0% Piperonyl Butoxide, Amorphous Silica Gel 40.0%
PMRA Document Number : 2450295

Background

Bayer Advanced Complete Insect Dust (previously Drione Insecticide Powder, Reg. No. 14431) is a ready-to-use domestic class dust formulation insecticide containing; 1.0% Pyrethrins, 10.0% Piperonyl Butoxide, Amorphous Silica Gel 40.0%.

Bayer Advanced Complete Insecticide Dust is registered for use against ants, cockroaches, silverfish, bed bugs, and fleas in many different indoor sites at a rate of 60 grams product per 10 square meters as a crack-and-crevice treatment, as a “continuous visible film” in sites such as behind stoves, refrigerators, appliances, and baseboards, and on bed frames and mattresses.

Purpose of Application

The purpose of this application is to add a claim for control of wasps indoors at an application rate of 0.25 to 0.5 grams product per average-sized nest and 1.0 to 2.0 grams product for large nests, and to add a claim of spiders and crickets at the registered rate for other labelled pests.

Chemistry Assessment

Not required.

Health Assessments

Not required.

Environmental Assessment

Not required.

Value Assessment

Four efficacy trials were submitted in support of the claim of control of wasps at an application rate of 0.25 to 2.0 g product per nest. These trials were conducted on individual wasps or their

nests, with test species including yellow jackets and paper wasps. The application rates which were tested ranged from 0.25 to 2.0 g of product per nest. All tested rates in all trials provided 100% control of the target insects. These trials supported a claim of control of wasps at an application rate of 0.25 to 0.5 grams product per average-sized nest and 1.0 to 2.0 grams product for large nests.

The addition of crickets and spiders to the list of pests controlled on the Bayer Advanced Complete Insect Dust label was acceptable as these pests were on the registered product label for Drione Insecticide Dust (previously Drione Insecticide Powder, commercial product, Reg. No. 15255).

Conclusion

The addition of crickets and spiders to the list of pests controlled indoors, and the addition of control of wasps indoors at an application rate of 0.25 to 0.5 grams product per average-sized nest and 1.0 to 2.0 grams product for large nests was supported.

References

PMRA No. 2394121 Nielson, Caroline D., 2014. Drione® Insecticide Powder containing pyrethrins, piperonyl butoxide and amorphous silica gel for the control of Wasps and Yellow Jackets for use outdoors, Value Summary DACO 10.1,10.2.2,10.2.3.1,10.2.3.3.

PMRA No. 2394122 Nielson, Caroline D., 2014. Drione® Insecticide Powder containing pyrethrins, piperonyl butoxide and amorphous silica gel for the control of Wasps and Yellow Jackets for use outdoors, Value Data Summary, DACO 10.2.3.3

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