



Evaluation Report for Category B, Subcategory 2.5 Application

Application Number: 2009-4528
Application: B.2.5 (Product chemistry - formulation type)
Product: Weevil-Cide Pellets
Registration Number: 30013
Active ingredients (a.i.): Aluminum phosphide (ALP)
PMRA Document Number English PDF: 2015895

Purpose of Application

The purpose of this application was to register a new end-use product, Weevil-Cide Pellets, based on the precedent product Weevil-Cide Tablets (Registration number 29455).

Chemistry Assessment

Weevil-Cide Pellets is formulated as a pellet containing aluminum phosphide at a nominal concentration of 57.0%. This end-use product has a specific gravity of 2.9 and is alkaline in water. The chemistry requirements for Weevil-Cide Pellets are complete.

Health Assessments

Weevil-Cide Pellets are highly acutely toxic via the oral, dermal and inhalation routes, minimally irritating to the eye, non-irritating to the skin, and were not shown to be sensitizing to the skin in guinea pigs. Weevil-Cide Pellets are also considered to be of high acute toxicity when absorbed through the eye.

A risk assessment was not performed for the Weevil-Cide Pellets end-use product as the proposed use pattern and application rate of aluminum phosphide is the same as the registered precedent product, Weevil-Cide Tablets. Label amendments to reflect on-going re-evaluation decisions and to protect workers were required.

Environmental Assessment

An environmental assessment was not conducted as no additional environmental data were required to support the registration of Weevil-Cide Pellets. Environmental concerns have been mitigated through adequate statements on the product label but may undergo revision based upon the re-evaluation of aluminum phosphide.

Value Assessment

One efficacy study conducted on the tablet formulation of aluminum phosphide demonstrated that after 7 days, 100% mortality was found in the three species tested in wheat; rice weevil, lesser grain borer and red flour beetle. Based on data submitted, the currently registered aluminum phosphide labels and scientific extrapolation between the tablet and pellet formulation, all proposed uses can be supported for Weevil-Cide Pellets.

Conclusion

The PMRA has completed an assessment of all available information and is able to support the full registration of Weevil-Cide Pellets.

References

PMRA No.	Title
649501	Value Summaries. United Phosphorous Inc.; Quickphos tablets evaluated against Phostoxin tablets, DACO: 10.1
649502	Summaries. United Phosphorous Inc.; Quickphos tablets evaluated against Phostoxin tablets, DACO: 10.2.3.1, 10.3.1
649503	Efficacy: Laboratory, Growth Chamber Trials. United Phosphorous Inc.; Small-Scale Trials, DACO: 10.2.3.2
649504	1999, Bioefficacy of Quickphos Tablets Against Stored Grain Pests, DACO: 10.2.3.3
649505	Efficacy: Operational Trials. (See DACO 10.2.3.3, Efficacy: Small-Scale Trials (Field, Greenhouse)), DACO: 10.2.3.4
649506	2003, Waiver for not submitting non-safety adverse effects, DACO: 10.3.2
1872318	2010, Clarification Response for Submission 2009-4528 for WEEVIL-CIDE Pellets, DACO: 10.1, 10.2.3.1, 10.2.3.3(D), 10.3.1, 10.3.2, 5.2

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