

Evaluation Report for Category B Subcategory 2.3 and 2.4 Application

Application Number: 2010-1510
Application: B.2.3, B.2.4 (Changes to the identity and proportion of formulants)
Product: Clothianidin Insecticide
Registration Number: 29384
Active ingredients (a.i.): Clothianidin
PMRA Document Number English PDF: 2015623

Purpose of Application

The purpose of this application is to add a new alternate formulation for Clothianidin Insecticide (Registration Number 29384).

Chemistry Assessment

Clothianidin Insecticide is formulated as water dispersible granules containing clothianidin at a nominal concentration of 50%. This end-use product has a density of 0.60-0.61 g/cm³ and pH of 6.4-8.8. With the exception of the storage stability study which is expected to be completed in early 2012, the chemistry requirements for Clothianidin Insecticide are complete.

Health Assessments

The change in formulation composition will not impact the toxicity profile of this product.

The change in formulation composition is not expected to impact the residue profile of this product. From a food residue exposure point of view, no changes in the magnitude of the residues in food and feed crops are expected and therefore, no increase in dietary exposure is anticipated.

The change in formulation composition is not expected to impact the active ingredient concentration. Therefore, occupational and residential exposures are not expected to increase.

Environmental Assessment

The proposed changes in formulation are not expected to increase the environmental risk associated with clothianidin.

Value Assessment

No new efficacy or phytotoxicity data were submitted; however, based on the reasons for the change in formulation, the properties of the formulants, and the recent history of use of the new formulation in other jurisdictions, no changes in product performance or phytotoxicity are expected.

Conclusion

The PMRA has completed an assessment of available information for Clothianidin Insecticide and has found the information sufficient to support the addition of the new formulation for Clothianidin Insecticide.

References

PMRA Document Number	Reference
1916615	2010. Discussion of the Changes in Formulants, in Relation to Efficacy/Crop Tolerance, for the Alternate Formulation (VC-1694) of Clothianidin Insecticide. DACO: 10.1, 10.2.3.1, 10.2.3.2, 10.3.1, 10.3.2
1892787	2010, Product Identity and Composition of Arena 50 WDG Insecticide (VC-1694 formulation) Description of Materials Used to Produce the Product Arena 50 WDG Insecticide (VC-1694 formulation) Description of Production Process for Arena 50 WDG Insecticide (VC-1694 formulation), Description of Formulation Process for Arena 50 WDG Insecticide (VC-1694 formulation), Description of Formulation of Impurities for Arena 50 WDG Insecticide (VC-1694 formulation), Preliminary Analysis of Arena 50 WDG Insecticide (VC-1694 formulation), Certified Limits for Arena 50 WDG Insecticide (VC-1694 formulation), Enforcement analytical Method for Arena 50 WDG Insecticide (VC-1694 formulation), Submittal of Samples for Arena 50 WDG Insecticide (VC-1694 formulation), 201000089A, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 3.4.2
1892788	2010, Product Identity and Composition of Arena 50 WDG Insecticide (VC-1694 formulation) Description of Materials Used to Produce the Product Arena 50 WDG Insecticide (VC-1694 formulation) Description of Production Process for Arena 50 WDG Insecticide (VC-1694 formulation), 201000089B, DACO: 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 3.4.2
1892789	2010, Physical and Chemical Properties of V-10170 50 WDG, VC-1694 Formulation, DACO: 3.5.2,3.5.6,3.5.7,3.5.8
1892790	2010, Storage Stability and Corrosion Characteristics of Clutch 50 WDG (VC-1694 formulation), DACO: 3.5.10,3.5.14 CBI
1892791	2010, Formulation Type and Container Material and Description for Clothianidin Insecticide (VC-1694), DACO: 3.5.4,3.5.5
1892792	2010, Waiver for the Requirement of a Viscosity Study, Flammability, Explodability, Miscibility and Dielectric Breakdown Voltage for Clothianidin Insecticide (VC-1694), DACO: 3.5.11,3.5.12,3.5.13,3.5.15,3.5.9

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