

Evaluation Report for Category B, Subcategory 2.3 and 2.4 Application

Application Number: 2015-1501
Application: New end-use product chemistry: Identity and proportion of
formulants
Product: Kudos 27.5 WDG
Registration Number: #####
Active ingredients (a.i.): Prohexadione calcium
PMRA Document Number : 2575170

Purpose of Application

The purpose of this application was to register a new end-use product, Kudos 27.5 WDG (guarantee: 27.5% prohexadione calcium), as a plant growth regulator for use on fruit trees (i.e., apple and sweet and tart cherry) to control canopy growth, on strawberry to control runner growth, and for the suppression of fire blight in apple. This application is based on a precedent product which is currently registered for the same uses.

Chemistry Assessment

Kudos 27.5 WDG is formulated as water dispersible granules containing prohexadione calcium at a nominal concentration of 27.5 %. This end-use product has a bulk density of 0.52 – 0.62 g/mL and pH of 6.6. All the required chemistry data for Kudos 27.5 WDG have been provided.

Health Assessments

The acute toxicity of Kudos 27.5 WDG is low via the oral, dermal and inhalation routes of exposure in rats. It is mildly irritating to the eyes and skin of rabbits. It is not a skin sensitizer in mice.

No residue data for prohexadione calcium was submitted in support of the end-use product Kudos 27.5 WDG. The use pattern was determined to be within that of the currently registered precedent product. The previously reviewed data was reassessed in the framework of the current submission. The use of Kudos 27.5 WDG is not expected to result in an increase in the magnitude of prohexadione calcium residues on the crops listed on the label. Therefore, no risks of concern are anticipated to any segment of the population, including infants, children, adults and seniors.

The use of the end-use product Kudos 27.5 WDG on apples, cherries and strawberries is not expected to result in potential occupational or bystander exposure over the registered use of prohexadione calcium. No risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

The label for Kudos 27.5 WDG includes uses and claims presently registered on a precedent product containing prohexadione calcium. The registration of Kudos 27.5 WDG will provide users greater flexibility to access and use of prohexadione calcium for the control of fruit tree (apple and cherry) canopy growth and strawberry runner growth, in addition to the suppression of fire blight in apple.

Data from eight field trials conducted in Michigan, New York, Washington or California between 2012 and 2014 demonstrated that the performance of Kudos 27.5 WDG was agronomically similar to that of the precedent product, particularly when ammonium sulfate was included in the spray mixture. Therefore, all labelled uses and claims for the precedent product are supported for inclusion on the Kudos 27.5 WDG label.

Conclusion

The PMRA has completed a review of information in support of Kudos 27.5 WDG, and found it sufficient to support full registration.

References – Applicant Provided

PMRA Document Number	Reference
2555496	2012, 10.1 - 2012 Kudos (FAL2006) Trial on Fuji Apples WTFRC, DACO: 10.2.3.3
2555497	2013, 10.2 - 2013 Agrassistance Kudos (FAL2006), DACO: 10.2.3.3
2555498	2013, 10.3 - 2013-1313 Fine Kudos (FAL2006) on Gala Apples, DACO: 10.2.3.3
2555499	2014, 10.4 - 2014 Kudos Trial on Apples, DACO: 10.2.3.3
2555500	2014, 10.5 - 2014 Fine 27.5% Prohexadione-Ca(Kudos) PGR Evaluations on Apples (Jonagold), DACO: 10.2.3.3
2555501	2013, 10.6 - Fine Americas Experimental Growth Control Product and Apogee Report 2013, DACO: 10.2.3.3
2555502	2014, 10.7 - Fine Kudos on Cherries, DACO: 10.2.3.3
2555503	2014, 10.8 - Effects of KUDOS 27.5 WDG Applied on Sweet Cherry to Reduce Shoot Growth and Crop Safety, DACO: 10.2.3.3
2524878	2013, FAL2006: Acute Oral Toxicity in the Rat - Up and Down Procedure, DACO: 4.6.1
2524880	2013, FAL2006: Acute Dermal Toxicity (Limit Test) in the Rat, DACO: 4.6.2
627270	1997, BAS 125 06 W- Acute Inhalation Toxicity Study in Wistar Rats - 4-Hour Dust Exposure, DACO: 4.6.3
2524882	2013, FAL2006: Acute Irritation in the Rabbit, DACO: 4.6.4

2524884	2013, FAL2006: Acute Dermal Irritation in the Rabbit, DACO: 4.6.5
2524886	2013, FAL2006: Local Lymph Node Assay in the Mouse, DACO: 4.6.6

References - Supporting Documentation

PMRA Document Number	Reference
2115788	Agricultural Reentry Task Force (ARTF). 2008. Data Submitted by the ARTF to Support Revision of Agricultural Transfer Coefficients. Submission #2006-0257.

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ISSN: 1911-8082

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