

Evaluation Report for Category B, Subcategory 2.1 Application

Application Number: 2006-5040
Application: New EP Chemistry - Guarantee
Product: A-Rest SG Plant Growth Regulator Seed Treatment
Registration Number: 28968
Active ingredients (a.i.): Ancymidol (ANC)
PMRA Document Number: 1578513

Purpose of Application

The purpose of this application is to register a new end use product, A-Rest SG Plant Growth Regulator Seed Treatment, containing ancymidol for height control on container-grown ornamental plants. Currently, ancymidol is registered in Canada under USC 6 (Greenhouse Non-Food Crops). The applicant would like to add USC 11 (Seed Treatments Non-Food) to the existing use pattern. The Canadian registration is being requested in order to have the seed treatment for ancymidol registered in both the United States and Canada. The actual product, A-Rest SG Plant Growth Regulator Seed Treatment, will not be manufactured, imported, marketed or sold in Canada.

Chemistry Assessment

A-Rest SG Plant Growth Regulator Seed Treatment is a soluble granular product containing ancymidol as the active ingredient at a nominal concentration of 99.6%. A 10% slurry of this product in water has a pH of 7.06. The chemistry requirements for A-Rest SG Plant Growth Regulator Seed Treatment are complete.

Health Assessments

No toxicological data were required for A-Rest SG Plant Growth Regulator Seed Treatment as it is simply 100% ancymidol which is currently registered.

Based on the proposed product use scenario in Canada and the required label amendments, the occupational exposure to greenhouse workers is not expected to increase over the registered use pattern of ancymidol.

Environmental Assessment

An environmental assessment was not conducted as the treatment of seed will not be conducted in Canada and the planting of imported treated ornamental plant seed will be limited to greenhouse use only. Therefore, there is no potential increase in the environmental exposure and impact from that of the currently registered use of ancymidol (Reg. No. 16393).

Value Assessment

Data from trials conducted on seven ornamental plant species were submitted in support of this application. The effect of the proposed treatment on seed germination and seedling height of the ornamental species was evaluated over the range of proposed application rates on multiple seed lots for each species. Seed germination and seedling height generally declined as application rate increased, although variability in the plant response to the application was present among species and seed lots within a species. The reduction in plant height, with the corresponding reduction in germination, was concluded to be acceptable to support a claim for height control on container-grown ornamentals.

Conclusion

The Agency has completed an assessment of available information for A-Rest SG Plant Growth Regulator Seed Treatment and has found the information sufficient to allow for full registration. As proposed, the actual product, A-Rest SG Plant Growth Regulator Seed Treatment, will not be manufactured, imported, marketed or sold in Canada. However, seed which has been treated with A-Rest SG Plant Growth Regulator Seed Treatment can be imported into Canada for use in greenhouses.

References

A. List of Studies/Information Submitted by Registrant

Value Assessment

PMRA # 1502707 2007, 10.2.3.1 Summary-Efficacy, DACO: 10.2,10.2.3,10.2.3.1
PMRA # 1502709 2007, 10.7.2 Product Use Information, DACO: 10.7.2 CBI
PMRA # 1502708 2007, 10.2.3.3 Ball Horticultural Company QC Process and Data, DACO:
10.2.3.3

ISSN: 1911-8082

© Her Majesty the Queen in Right of Canada, represented by the Minister of Public Works and Government Services
Canada 2008

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of the Minister of Public Works and Government Services Canada, Ottawa, Ontario K1A 0S5.