

Application summary

Application number:	HSR09031, Infinito
Application type:	Notified, Importation or manufacture for release, Category C
Applicant contact:	Richard Paxman
Applicant:	Bayer New Zealand Limited Sockburn PO Box 11332 CHRISTCHURCH 8042 New Zealand
Purpose:	To import or manufacture Infinito for use as a fungicide for the control of late blight in potatoes.
Date formally received:	9 October 2009

Application summary prepared by Bayer New Zealand Limited

This is an application to import Infinito into NZ for use as an agricultural fungicide. The product will be formulated and packed overseas and contains 62.5g/litre fluopicolide and 625g/litre propamocarb in the form of a suspension concentrate.

The product is intended for the control of late blight in potatoes.

The recommended dose rates for the product are 1.2 – 1.6 litres in 200-300 litres of water hectare, the time interval (10 – 14 days) and dose rate depending on growth rate/ disease conditions. The restriction on the number of applications is for the purpose of managing disease resistance.

Fluopicolide is a new anti-oomycetes fungicide with a new mode of action inducing perturbation of a spectrin-like protein. Infinito combines this active ingredient with the protective properties of propamocarb.

Our estimation of the hazard classification of Infinito is as follows:

6.1E, 6.6B, 6.7B, 6.8B, 9.1B

There are risks to aquatic organisms. With normal care during handling and application, and the observance of label directions we believe the risks to users, consumers, bystanders and the environment are negligible.

In our judgement the importation and use of Infinito will not adversely affect the natural resources of the flora, fauna, waterways, land and culture of the indigenous Maori.

Following importation Infinito will be handled, stored and transported by trained personnel, experienced in the safe management of hazardous substances. The overall management of the substance in respect of transport, storage, application and container disposal will be in compliance with the Code of Practice for the Management of Agrichemicals. [NZS 8409:1999] Documentation to facilitate this will include the ready availability of the container label, Product Safety Card and Safety Data sheet.

In summary, the benefits of Infinito are:

- Consistent high level activity on leaves, stems and tubers
- Systemic, protectant and translaminar activity
- Active at all stages in life cycle of the Late Blight pathogen
- Strong anti-sporulant activity
- Flexible rates of use depending on disease pressure
- Long-lasting activity
- Controls phenylamide sensitive and resistant strains
- Rainfast in 1 hour providing spray has dried on the leaf
- Excellent crop safety: use on early, maincrop potatoes, seed and processing crops