

Application summary

Application number:	ERMA200046, Pyromite
Application type:	Notified, Importation or manufacture for release, Category A
Applicant contact:	Len Stulich
Applicant:	Adria New Zealand Limited P O Box 535 Kumeu AUCKLAND 0841 New Zealand
Purpose:	To import or manufacture Pyromite as an insecticide containing the active ingredient fenpyroximate for the control of mites in apples and pears.
Date formally received:	22 September 2009

Application summary prepared by Adria New Zealand Limited

Pyromite is a miticide for the specific control of mites in apples and pears.

Pyromite contains the same active ingredient (fenpyroximate) as a substance already approved for use in New Zealand – in the same concentration and in the same formulation type (suspension concentrate).

The preliminary hazard classifications are: 6.1D (acute toxicant), 6.3B (skin irritant), 6.4A (eye irritant), 6.5B (contact sensitiser), 6.9B (target organ systemic toxicant), 9.1A (aquatic ecotoxicant), 9.2D (soil ecotoxicant), 9.3C (vertebrate ecotoxicant).

Pyromite will be applied, using conventional ground-based equipment, at a rate of 1.0 litre per hectare, only once in a season – and this is predicated on certain thresholds (i.e. mite numbers) being reached. In many seasons, for example, no Pyromite applications will be required.

Pyromite will offer an alternative, lower-cost miticide control option in the event of a mite outbreak. Due to their rapid breeding cycles, mites can become resistant to miticides, and there are only three specific chemical groups registered to control mites in apples and pears (down from 6-7 a decade ago). So, Pyromite will be a valuable control option, in what is an area of diminishing control options available to growers.

The substance will be available only to ERMA approved handlers for use in specialised crop situations, under strict controls. The main toxicity hazards relating to its handling, use and storage, can be managed – with comprehensive precautionary information and directions on the product label, material safety data sheet, and through the information and advice provided by our distributors and Adria. Product safety cards with emergency management procedures will be available on our website (www.adriacp.co.nz) and through our horticultural distributors (provided with all product deliveries). Rinsed and cleaned empty packaging (bottles) are to be returned to a local Agrecovery depot for correct disposal.

When our systems and controls relating to the proposed storage, distribution and application are taken into account, we believe that the human and environmental risks posed by Pyromite

can be mitigated to a great degree, and are not significantly different to other substances that are already approved for use in New Zealand.