



ADVICE SUMMARY

APPLICATION FOR VARIATION OF A REGISTERED CHEMICAL PRODUCT

Product name: AGRICROP PROLAN 500 HERBICIDE
Applicant: AGRICROP PTY LTD
Product number: 60335
Application number: 58307

Purpose of Application and Description of Use: Variation of registration and label approval to add uses in industrial areas and rights of way and addition of aerial application in tea-tree.

Active Constituent(s): ORYZALIN

Regulatory Decision:

To grant the application subject to the following conditions:

Standard Conditions of Label Approval

1. Label must contain a Date of Manufacture and Batch Number

For full conditions, refer to the Conditions of Product Label Approval on the APVMA website.

ADVICE

Australian Government Department of Environment

Agricrop Pty Ltd applied to extend the label of product Agricrop Prolan 500 Herbicide to include aerial applications to tea tree oil plantations. The product contains an APVMA approved active constituent, oryzalin at a concentration of 500 g/L. Since there is no current aerial use on the registered label, the risk assessment was therefore conducted for the proposed aerial application to tea tree oil plantations at 6.8 L product/ha (3.4 kg ac/ha).

The Department used the information available from the public domain and notes that oryzalin is slightly soluble in water and partitions to sediment. Therefore, both the aquatic and sediment toxicity endpoints were considered. Oryzalin is slightly to very highly toxic to aquatic organisms. It is slightly toxic to sediment dwelling organisms such as *Chironomus riparius*. Based on the use pattern, solubility of oryzalin and annual application of oryzalin, the most sensitive growth rate (ErC50) endpoint of the aquatic higher plant, *Lemna gibba* was selected for the aquatic risk assessment (14 d ErC50 = 0.053 mg ac/L) which is also considered to be protective of sediment dwellers. The most sensitive endpoint of ER50 = 84.3 g ac/ha for seedling emergence of ryegrass was selected for the terrestrial risk assessment. In this risk assessment, the Department has given particular attention to potential risks to the aquatic organisms and terrestrial plants through spray drift as a result of the proposed aerial applications by fixed wing aircraft and helicopter.

The risk assessment concluded that the concentrations of oryzalin will not pose an unacceptable risk to aquatic systems and terrestrial plants if the downwind mandatory no spray zones are observed at the specified wind speeds. Consequently, the Department recommends to the APVMA that the use of the product in the proposed manner would not be likely to have an unintended effect that is harmful to animals, plants, or things, or to the environment under Section 14 subsection 1 of the Agricultural and Veterinary Chemicals Code Act 1994 provided the downwind no-spray zones for protection of aquatic and terrestrial environment by fixed wing aircraft and helicopter and other recommendations are implemented.