

WARNING

KEEP OUT OF REACH OF CHILDREN

Asucane

SELECTIVE HERBICIDE

Selective weedkiller for the control of docks and bracken

***Active Ingredient: contains 400g/litre asulam
as the sodium salt in the form of a soluble concentrate***

Net Content: 20L

Registered pursuant to the ACVM Act 1997, No. P9780
See www.foodsafety.govt.nz for registration conditions.
Approval pursuant to the HSNO Act 1996,
Approval Code HSR000424
See www.epa.govt.nz for approval controls.

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AGPRO FORESTRY

READ LABEL COMPLETELY BEFORE USE



HAZARD CLASSIFICATION

Eye irritation Category 2, Reproductive toxicity Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment chronic Category 3.

TOXICITY

Warning - May cause serious eye irritation. Suspected of damaging fertility or the unborn child.

ECOTOXICITY

Harmful to aquatic life with long-lasting effects. Do not apply directly into or onto water.

Harmful to soil environment.

PRECAUTIONS

Do not handle until all safety precautions have been read and understood.

PERSONAL PROTECTION

Do not eat, drink or smoke while using. Avoid contact with the skin and eyes.

Wear protective clothing such as impervious gloves, waterproof hat, coat and trousers when using. Remove protective clothing and wash hands and face thoroughly before rest breaks, meals and after work. Wash protective clothing/equipment after use.

STORAGE

Store in original container tightly closed and in a secure dry, cool, well-ventilated area, away from foodstuffs. Store in accordance with current version of the NZS8409 Management of Agrichemicals. Storage of more than 1000L requires signage, an emergency response plan and secondary containment.

SPILLS

When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section.

Contain a spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

DISPOSAL: DO NOT contaminate any water supply with product or used container

Product Disposal: Dispose of only by using according to the label or at an approved facility.

Container Disposal: Triple rinse empty container and add rinsate to the spray tank. Recycle empty container at an approved recycling facility. Otherwise crush and bury empty container in a suitable landfill. Do NOT use the container for any other purpose.

FIRST AID

If exposed or concerned, get medical advice. Have product label or container at hand. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

If inhaled move the victim to fresh air immediately and keep at rest in a position comfortable for breathing.

If skin contact occurs, remove contaminated clothing and flush skin with running water.

If irritation occurs seek medical advice. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists get medical advice.

SAFETY DATA SHEET

If additional hazard information is required, refer to the Safety Data Sheet.

DIRECTIONS FOR USE

Asucane is a selective weedkiller recommended for the control of:

Docks - in established pasture, lucerne, orchards, kiwifruit, some horticultural crops and non-cropping land;

Bracken - for long term control in farmland, forestry and non-crop land situations and

Batch Number:

Date of Manufacture:



for the releasing of radiata pine in forestry areas.

BEWARE: APPLY THIS PRODUCT CAREFULLY. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds

DOCKS

Preparation: About half fill the spray tank with water, add the required amount of **Asucane** and top up with water. Ensure thorough mixing before use.

Spray Volume: A spray volume of about 200 litres per hectare is recommended for boom spraying.

Spot Application: Use a standard dilution of 1 part **Asucane** in 200 parts water, spraying foliage to the point of run off.

N.B.: Do not add additional surfactants to **Asucane** solutions being used for dock control.

| Situation | Rate per Hectare | Application |
|--|--|---|
| Pasture (established) (grass, clover) | 3-4* litres or spot application | Spray in spring when the docks are actively growing and in FULL LEAF. Avoid spraying after seed heads begin to emerge. DO NOT SPRAY IMMEDIATELY AFTER GRAZING. Allow a recovery period of at least 2 weeks after grazing before applying ASUCANE . NOTE: Asucane may cause slight yellowing of some past pasture species, but they will normally recover quickly in good growing conditions. THE CHECK TO GROWTH IS MINIMISED IF THE PASTURE IS LEFT FOR AT LEAST 2-3 WEEKS AFTER GRAZING BEFORE SPRAYING. DO NOT APPLY TO GRASS SEED CROPS. |
| Lucerne (established) | 3-4* litres or spot application | Spray in autumn three weeks after the last cut has been taken. Ensure conditions favour growth at the time of spraying. Alternatively spray in spring as soon as the docks break dormancy and develop full leaves. Do not spray between cuts in spring and summer. |
| Orchards, Non-Cropland (road verges etc) | 4 litres or spot application | Spray in spring or autumn when the docks are actively growing and are in full leaf. |
| Kiwifruit (established) | 4 litres or spot application | Spray in early spring. Spray under the vines taking care not to allow spray to contact the crop foliage. |
| Raspberries, Boysenberries, Gooseberries and Currants | Spot application 1 litre / 200 litres | Spray in early spring. Avoid spray falling on the crops as much as possible. |
| Asparagus | Spot application 1 litre / 200 litres | Spray BEFORE SPEAR EMERGENCE or after cutting has been completed. Do not spray during the harvesting period. |

| Situation | Rate per Hectare | Application |
|-------------------|------------------|---|
| Red Clover | 3 litres | Spray in spring shortly after closing the paddock for hay (if taken) or seed. Allow time for the docks to recover after grazing before spraying. DO NOT SPRAY IN DECEMBER AFTER CUTTING FOR HAY. In dry seasons, this may cause a check to the clover with a subsequent reduction in seed yield. DO NOT APPLY TO WHITE CLOVER SEED CROPS. |

* Use the higher rate where there are heavy infestations of well-established docks.
DO NOT SPRAY IN DROUGHT CONDITIONS. DO NOT SPRAY WHEN RAIN IS LIKELY WITHIN 12 HOURS OF SPRAYING.

BRACKEN

Asucane can be used to control bracken fern (*Pteridium aquilinum* var. *esculentum*) for forestry site preparation, agricultural land development and for clearing roadsides. These uses require that **Asucane** be mixed with Pulse® Penetrant.

Asucane can also be used to release young radiata pine from bracken fern. Different times of application for (1) long term control and (2) tree releasing must be clearly

understood. LONG TERM CONTROL WILL NOT BE OBTAINED IF IMMATURE FRONDS ARE TREATED.

NOTE: APPLICATIONS WHEN FRONDS ARE FULLY EXPANDED WILL NOT GIVE A RELEASING EFFECT.

MIXTURES WITH PULSE® PENETRANT SHOULD NOT BE USED FOR RELEASING YOUNG TREES.

1. Long Term Control

Preparation: About half-fill the spray tank with water. Add the correct amount of PULSE® PENETRANT. Add the required amount of **Asucane**, top up with water and ensure thorough mixing before use.

| Situation | Rate/Hectare | Application |
|------------------------------|--|---|
| Forestry and Farmland | Aerial Application 14 litres Asucane + 100ml Pulse Penetrant in 100-300 litres water. | Apply to fully expanded bracken fronds after the stage of frond unfurling, but before they are damaged by winter frosts. This would normally be in late summer or early autumn. |
| | Ground Application 11 litres Asucane + 100 mL Pulse Penetrant in 100 – 1000 litres water. | |

NOTE: **Asucane** does not cause any immediate visible effects on bracken present at spraying. The full effects will not be evident until the spring following treatment when the emergence of new fronds will be prevented. Post-spray treatment: Following application a period of not less than FOUR WEEKS should elapse before the frond canopy is removed to allow subsequent operations, e.g. tree planting, re-seeding, to take place. A shorter interval will result in inferior control.

2. Releasing Radiata Pine

Preparation: About half fill the spray tank with water, add the required amount of **Asucane** and top up with water. Ensure thorough mixing before use.

| Situation | Rate/Hectare | Application |
|-----------|---|---|
| Forestry | Aerial Application 14 litres Asucane , in 100-300 litres water. Ground Application 11 litres Asucane in 100-1000 litres water. | Apply in the early summer period when the majority of fronds are just beginning to expand rapidly. At this stage, the two lowest pinnae (frondlets) should be well, but not fully expanded and pinnae further up the frond beginning to unfurl. |

RESISTANCE MANAGEMENT

| GROUP | 18 | Herbicide |
|-------|----|-----------|
|-------|----|-----------|

Asucane contains the GROUP 18 herbicide, asulam. To minimise risk of resistance, use strictly in accordance with label instructions and resistance management strategies that exist and listed on the label. For further information see: www.resistance.nzpps.org

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

Pulse® is a registered trademark of Nufarm Technologies USA

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