



WARNING

KEEP OUT OF REACH OF CHILDREN

ASULOX®

Herbicide

Selective herbicide for the control of docks and bracken

Active ingredient

Contains 400 g/L ASULAM as the sodium salt in the form of a soluble concentrate

GROUP	18	HERBICIDE
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Net contents: 5 L, 20 L

Bar code to be inserted



PLEASE READ THE LABEL COMPLETELY BEFORE USE

This product **MUST NOT** be used for any purpose or in any manner contrary to the controls and conditions of registration.



WARNING

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

Harmful to aquatic life with long lasting effects.

Hazardous to soil organisms.

PRECAUTIONARY STATEMENTS

PREVENTION

Obtain special instructions before use.

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

Avoid contact with eyes.

Wear protective gloves, protective clothing and eye protection.

Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

RESPONSE

Wash hands and face thoroughly after handling.

Do not eat, drink, or smoke when using this product.

STORAGE

Store locked up.

Store in a cool dry place avoiding temperatures above 35°C.

DISPOSAL

Dispose of contents/container in accordance with local regulations.

Container disposal: Ensure the container is empty. Triple rinse empty container and add rinsate to the spray tank. Recycle empty container through Agrecovery® (0800 247 326, www.agrecovery.co.nz). Otherwise crush and bury in a suitable landfill. **DO NOT** reuse this container for any other purpose.

Product disposal: Dispose of this product only by using according to the label, or at an approved landfill or other approved facility.

FIRST AID

If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin contact occurs, remove contaminated clothing and flush skin with running water. If irritation occurs, seek medical advice. If splashed in eyes, wash out immediately with water. If irritation persists, get medical advice. If inhaled, move the victim to fresh air immediately.

SAFETY DATA SHEET

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy visit our website at www.upl-ltd.com/nz.

EXCLUSION OF LIABILITY – PLEASE READ

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, UPL New Zealand Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

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Batch number:	
Date of Manufacture:	

In a transport emergency dial 111, Police or Fire Brigade.
For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 622)

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GENERAL INFORMATION

ASULOX is a selective herbicide 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 for the releasing of radiata pine in forestry areas.

RESISTANCE MANAGEMENT

This product contains asulam a Group 18 herbicide that has a mode of action that Inhibits DHP synthetase. Continuous use of this product may eventually lead to a build-up of weeds resistant to it. This can be prevented or delayed by alternating with herbicides from other groups. Use strictly in accordance with label instructions.

DIRECTIONS FOR USE

Beware: apply this product carefully. spray drift may cause serious damage to other desirable plants.

DOCKS

Preparation

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

Spray volume

A spray volume of about 200 L/ha is recommended for boom spraying.

Spot application

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

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

CROP	RATE/HA	COMMENTS
Pasture (established)	3-4* L 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 ASULOX . NOTE: ASULOX 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* L 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 L or spot application	Spray in spring or autumn when the docks are actively growing and are in full leaf.
Kiwifruit (established)	4 L or spot application	Spray in early spring. Spray under the vines taking care not to allow spray to contact the crop foliage
Raspberries, boysenberries,	Spot application 1 L/200 L	Spray in early spring. Avoid spray falling on the crops as much as possible.

CROP	RATE/HA	COMMENTS
gooseberries, currants		
Asparagus	Spot application 1 L/200 L	Spray before spear emergence or after cutting has been completed. Do not spray during the harvesting period.
Red clover	3 L	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

ASULOX 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 **ASULOX** be mixed with organosilicone surfactant. **ASULOX** 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 organosilicone surfactant 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 organosilicone surfactant. Add the required amount of **ASULOX**, top up with water and ensure thorough mixing before use.

CROP	RATE PER HECTARE	COMMENTS
Forestry and farmland	<u>Aerial application</u> 14 L ASULOX + 100 mL organosilicone surfactant in 100-300 L water <u>Ground application</u> 11 L ASULOX + 100 mL organosilicone surfactant in 100-1000 L 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.

Note: ASULOX 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 **ASULOX** and top up with water. Ensure thorough mixing before use.

CROP	RATE/HA	COMMENTS
Forestry	<u>Aerial application</u> 14 L ASULOX , in 100-300 L 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.
	<u>Ground application</u> 11 L ASULOX in 100-1000 L water.	

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.

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