

**WARNING**  
**KEEP OUT OF REACH OF CHILDREN**



**ADAMA**

**RIFLE® EC**

**GROUP 5 HERBICIDE**

**Herbicide for the control of broad-leaved weeds in fodder,  
sugar and red beets**

**READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING**

**Active Ingredients:**

Contains 160 g/L PHENMEDIPHAM and 160 g/L DESMEDIPHAM in the form of an Emulsifiable Concentrate

UN No:	3082
Class-primary	9
Packing group	III
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Phenmedipham, Desmedipham)
Marine pollutant:	YES

Batch number:	NET CONTENTS: 1 L, 5 L, 10 L, 20 L, 100 L, 200 L
Date of Manufacture:	
<b>Barcode to be inserted</b>	

**REFER TO BOOKLET FOR FULL LABEL INSTRUCTIONS.****WARNING**

Combustible liquid. Causes serious eye irritation. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects. Hazardous to soil organisms.

**HANDLING PRECAUTIONS**

Keep out of the reach of children. Read label carefully and follow all instructions. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not breathe spray mist or vapour. Wear protective clothing and equipment as specified in the personal protection section below. Contaminated work clothing should not be allowed out of the workplace. Wash exposed skin thoroughly after handling. Avoid unintended release into the environment. Collect spillages.

**PCBU RESPONSIBILITIES**

A PCBU with management or control of work using this substance must ensure that every worker who uses, handles, manufactures, or stores this hazardous substance (including hazardous waste) is, before the worker is allowed to carry out or supervise work involving those substances, provided with adequate information, training and instruction. This includes the use of personal protective equipment to be used to minimise risks to the health and safety of workers when carrying out work using this substance.

**QUALIFICATIONS REQUIRED FOR APPLICATION OF ECOTOXIC SUBSTANCES**

Anyone who mixes, loads, or applies this product is required to be suitably qualified, or must receive guidance and, if required, assistance from a suitably qualified person. *Refer to Schedule 10 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for a list of suitable qualifications.*

**RECORD KEEPING**

Where 3 kg or more of the substance is applied within 24 hours, in a place where the substance is likely to enter air or water and leave the application area, a PCBU with management or control of the substance must ensure that a written record is kept of each application of the substance. *Refer to Part 4 Clause 48 of the Hazardous Substances (Hazardous Property Controls) Notice 2017 for details of information that must be recorded.*

**EQUIPMENT**

A PCBU with management or control of work using this substance must ensure that equipment used to handle this substance retains the substance, without leakage, at all of the temperatures and pressures at which the equipment is to be used; and dispenses or applies the substance, without leakage, at a rate and in a manner that the equipment is designed for. The PCBU must ensure that the equipment is accompanied by documentation that is readily available and readily understandable about the use and maintenance of the equipment.

**STORAGE**

Store locked up in the original, tightly closed container in a dry, cool, well ventilated area, away from stockfeed, seeds, fertilisers or foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Signage, secondary containment and emergency response plans are required where 100 L or more of this product are stored. Refer to the product SDS for further information

**SHELF LIFE**

When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**PERSONAL PROTECTION**

When mixing or applying wear appropriate protective clothing including cotton overalls buttoned to the neck and wrist, eye protection, impervious, elbow-length gloves and boots. Wash hands, arms and face with soap and water before meals and after work.

**SPILLAGE**

Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the protective clothing section of this label to clean up spills. Absorb spills with an inert material (such as vermiculite, earth, sand or synthetic absorbent substance) and place in waste containers. Wash area with water and alkaline detergent. Then absorb any remaining liquid with further inert material. Dispose of the waste safely in an approved landfill.

**DISPOSAL**

**Container Disposal** - Triple rinse empty container and add rinsate to spray tank. Submit clean empty container to an Agrecovery® depot for recycling. Alternatively, puncture and bury in a suitable landfill. Avoid

contamination of any water supply with product or empty container.

**Product Disposal** - Dispose of this product only by using according to the label or through the Agrecovery® Chemical Recovery service or other approved facility.

**SAFETY DATA SHEET**

A safety data sheet for this product is available at [www.adama.com](http://www.adama.com).

**FIRST AID**

**If medical advice is needed, have product container or label at hand.**

**For advice, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.**

**IF ON SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Take of contaminated clothing and wash before reuse.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

**CONDITIONS OF SALE**

ADAMA New Zealand Limited will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of ADAMA New Zealand Limited is limited to the replacement of the goods or (at the option of ADAMA New Zealand Limited) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to ADAMA New Zealand Limited within thirty days of delivery.



ADAMA

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Registered pursuant to the ACVM Act 1997, No. P010321

See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR101207

See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

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**AGRECOVERY**

**EMERGENCY RESPONSE**

(All hours)

Ring from anywhere in New Zealand

**0800 734 607**

In a Transport

Emergency

Phone 111

Police or Fire

## PRODUCT INFORMATION

RIFLE® EC is a post-emergence selective herbicide for broad-leaved weed control in fodder, sugar and red beets.

RIFLE® EC may be broadcast or band-sprayed by ground-based application methods only. RIFLE® EC must not be applied aerially. For band treatment ensure that the use sprayed area is consistent with label recommendations.

Do not apply if air temperature is likely to rise above 29°C and avoid treatment if rain before spray has dried on foliage. Herbicide activity will be slowed down in cool weather.

## WEEDS CONTROLLED

SUSCEPTIBLE WEEDS	RESISTANT WEEDS
Seedling stages of: Chickweed, fathen, fumitory, groundsel, redroot, Shepherd's purse, spurrey, nettle, twin cress  Black nightshade, cornbind and willow weed are controlled only up to the 4 true leaf stage.	Grass weeds, mature annual broad-leaved weeds, perennial broad-leaved weeds, wireweed

## HSNO Use Controls

- Do not apply this substance directly into or onto water; and
- The maximum application rate of this substance is 720 g of desmedipham/ha and 720 g of phenmedipham/ha (4.5 L product/ha). This substance may be applied up to two times per year. A minimum interval of 10 days must be observed between applications
- The method of application of this substance is limited to ground based application only.

## DIRECTIONS FOR USE

**TAKE ALL REASONABLE STEPS TO ENSURE THAT THE SUBSTANCE DOES NOT CAUSE ANY SIGNIFICANT ADVERSE EFFECTS TO THE ENVIRONMENT BEYOND THE APPLICATION AREA. SPRAY DRIFT MAY CAUSE SERIOUS DAMAGE TO OTHER DESIRABLE PLANTS.**

CROP	TIMING	RATE	CRITICAL COMMENTS
Sugar beet and red beet	Apply after the crop has 2 true leaves fully developed. Weeds up to 4 true leaf. Weed from 4-6 true leaves and hard-to-kill weeds up to 4 true leaves.	3 litres/ha in 200 litres of water 4.5 litres/ha in 200 litres of water	Damage may occur, especially on Red beet, if treated prior to the 2 true leaf stage.  Best results are obtained when weeds are treated at the youngest possible stage.
Fodder beet	Apply after the crop has 2 true leaves fully developed.	1.5 litres/ha in 200-300 litres of water	Best results are obtained by applying RIFLE® EC following a pre-emergence application of ETHOSAT® HERBICIDE. Make the first application of RIFLE® EC in mixture with ETHOSAT® HERBICIDE 2.0 litres/ha when the weeds are from cotyledon to 2 true leaf stage and a second 10-14 days later.

**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.**

#### **WITHHOLDING PERIOD**

**Fodder beet: 56 days. Do not harvest or graze for 56 days after application.**

#### **MIXING**

Ensure spray equipment is thoroughly cleaned before use. Add the required amount to the partly- filled spray tank with the agitator operating. Complete filling tank with water and use immediately, maintaining agitation until spraying is complete. Flush equipment with clean water after use.

Do not allow spray mixture to stand overnight. Do not apply in more than 300 litres of water per hectare.

#### **COMPATIBILITY**

Do NOT mix RIFLE® EC with any foliar nutrients or surfactants.

#### **RESISTANCE MANAGEMENT**

RIFLE® EC contains the GROUP 5 phenyl-carbamate herbicides, phenmedipham and desmedipham. Unless directed, do not use another product containing a herbicide in the same group in conjunction with RIFLE® EC. Where possible alternate the types of herbicides used within any one paddock over time. Herbicides from different groups should either be used alternately or mixed together to prevent the numbers of resistant individuals building up. See [www.resistance.nzpps.org](http://www.resistance.nzpps.org) for further information on modes of action.

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