

DANGER

KEEP OUT OF REACH OF CHILDREN • READ LABEL BEFORE USE

12-19/PS/A00670-20LNZ1.2

 Nufarm
 **Debut**™

ACTIVE INGREDIENT:
500g/L 2,4-DB

AS THE DIMETHYLAMINE SALT IN THE FORM OF A SOLUBLE CONCENTRATE

Contents:

20 LITRES

FREE RECYCLING



AGRECOVERY

www.agrecovery.co.nz

Selective systemic herbicide
for the control of weeds in
lucerne and new pasture.



 **Nufarm**

Grow a better tomorrow

HAZARD CLASSIFICATION:

6.1D, 6.3B, 6.5B, 6.9A, 8.3A, 9.1B, 9.2A, 9.3B, 9.4C



This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

TOXICITY

- Harmful if swallowed or inhaled.
- Causes mild skin irritation and/or may cause an allergic skin reaction.
- Causes damage to organs through prolonged repeated exposure.
- Cause serious eye damage

ECOTOXIC

- Toxic to aquatic life with long lasting effects. Avoid contamination of any water supply with product or empty container.
- Very toxic to soil environment.
- Toxic to terrestrial vertebrates
- Harmful to terrestrial invertebrates.
- Selective herbicide – very toxic to some plant species. **BEWARE: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage for other desirable plants.** Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water.

HANDLING PRECAUTIONS

The person mixing or applying this product must be a “Qualified Contractor” or a “Qualified Person”. The spray mixture may also be prepared by a “Qualified Loader”.

STORAGE

- Keep out of reach of children.
- Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs, seeds, and fertilizers. Storage must be in accordance with NZS 8409 Management of Agrichemicals.
- Stores containing 1000 L of Debut require signage and secondary containment, and more than 1000 L require emergency response plans.

PERSONAL PROTECTION

- Avoid contact with skin or eyes and inhalation of spray mist.
- When handling wear eye protection, waterproof gloves, boots and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly after handling. Wash contaminated clothing before re-use.

EQUIPMENT

- Apply using well maintained and accurately calibrated spray equipment. Clean equipment thoroughly after use.

DISPOSAL

- Triple rinse empty container and add rinsate to the spray tank. Recycle empty container. Otherwise crush and bury in a suitable landfill.
- Dispose of product only by using according to the label, or at an appropriate landfill.

First Aid: If medical advice is needed, have product container or label at hand. IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre if you feel unwell. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs get medical advice. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Spillage: Collect spillage. Wear appropriate protective clothing and prevent material from entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.

Registered pursuant to the ACVM Act 1997, No P9697
See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSN0 Act 1996, Approval Code: HSR101356.
See www.epa.govt.nz for approval controls.

Debut™ is a trademark of Nufarm Limited.

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,4-DB 50%)	9	3082	2Z	III

Marketed by:

Nufarm Limited
6 Manu Street, Otahuhu,
Auckland, NZ
Tel 0-9-270 4157
www.nufarm.co.nz

Nufarm Emergency Phonenumber: 0800 651 911 toll free 24 hours

Batch No:

D.O.M

12-19/PS/A00670-20LNZ.2

Transport: Do not carry this product on a passenger service vehicle.

Record Keeping: Records, as described in NZS 8409 Management of Agrichemicals, must be kept whenever Debut is used.

Cleaning: Flush equipment with clean water after use. Decontamination is necessary when sensitive crops are to be sprayed following the application of Debut. Susceptible crops to Debut include, but not limited to; Brassicas, Beans, Flowers, Fruit trees, Lupins, Ornamentals, Potatoes, Shade trees, Squash, Sunflowers, Tomatoes, Vegetables and Vine crops.

Resistant Weeds Warning: Resistance to this herbicide could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Debut contains a **GROUP 01 HERBICIDE** and belongs to the phenoxy group of chemistry. Debut has the disruption of plant cell growth mode of action. Naturally occurring weed biotypes resistant to Debut and other phenoxy herbicides are known to exist. These become more prevalent after many years of continuous use of the product. Species with known resistant biotypes include Nodding thistle, Slender winged thistle and Giant buttercup. Resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. To prevent or delay the development of resistance use in tank mixtures where appropriate and/or in rotation with herbicides having a different mode of action. Consult www.resistance.nzpps.org/ for alternative modes of action, and the details of resistance management strategies (if any) for the crops listed on the label.

DIRECTIONS FOR USE:

The maximum application rate for Debut is 3.2 kg 2,4-DB/ha, which equates to 6.4 L of the formulated substance applied per hectare. The maximum application frequency for Debut is once per calendar year.

GENERAL INFORMATION

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: 1 day

Debut will control a wide range of weeds in Lucerne and new pasture. Red clover crops should be sprayed with Nufarm MCPB 400 herbicide.

Weeds are best controlled as small actively growing seedlings.

After spraying with Debut, poisonous plants (e.g. Ragwort, Tutu) may become more palatable. Stock should be kept away from the area until the plants have died down.

Where ground cover is less than 50%, delay application until the vegetation provides more complete cover. This will reduce the possibilities of root absorption.

Heavy rainfall soon after application may reduce effectiveness.

CROP USES	CRITICAL COMMENTS
New pasture	Clover must have developed at least 1 or preferably 2 trifoliolate leaves.
New Lucerne	Lucerne must have developed at least 1 or preferably 2 trifoliolate leaves.
Established Lucerne	Heavy graze prior to application to minimise crop suppression.

Weeds Controlled:

WEEDS	RATE L/Ha	CRITICAL COMMENTS
Buttercups (annual), Cresses, Fathen, Field bindweed, Hedge mustard, Nettles, Plantains, Redroot, Shepherd's purse, Thistles (annual), Wild turnip	4.8	Weeds must be treated as seedlings. Young Pastures: If these weeds are predominant, then use Nufarm MCPB 400 herbicide.
Cornbind, Docks, Nodding thistle, Ragwort, Water pepper, Willow weed, Wireweed.	6.4	Weeds must be treated as seedlings.

Application Methods:

Debut can be applied using calibrated conventional ground or aerial spray equipment.

Ground Boom Spraying: Apply in 100 – 200 L/ha water and ensure thorough coverage. When the substance is applied with a boom sprayer, the boom height should be kept as low as practicable to avoid spray drift, with a nozzle set to provide medium-coarse sized droplets. Small sized droplets are not approved.

Aerial Spraying: Apply in 60 – 100 L/ha water and ensure thorough coverage.

Mixing: Half fill the sprayer with water. With the agitators running add the required quantity of Debut to the spray tank and top up with water.

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CONDITIONS OF SALE:

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER

If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Nufarm's control, including mixing, use, climatic conditions, time of application, crop and crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Nufarm will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Nufarm Limited nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Nufarm Limited or any supplier or manufacturer of the product or any of their employees and agents.

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