

**WARNING  
ECOTOXIC**



# Rexade™ GoDRI™

## Arylex™ active

### HERBICIDE

**ACTIVE INGREDIENTS:** Contains 50 g/kg halauxifen-methyl and 150 g/kg pyroxsulam formulated as a water dispersible granule

GROUP	2	4	HERBICIDES
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**A selective herbicide for post-emergent control of grass and broadleaf weeds in triticale and wheat (excluding durum varieties).**

**READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING**

**NET CONTENTS: 1kg, 2 kg**

**Corteva Agriscience New Zealand Limited**

Private Bag 2017

New Plymouth 4342

[www.corteva.co.nz](http://www.corteva.co.nz)

Telephone: 0800 803 939

**HAZARD CLASSIFICATION:** 6.4A, 9.1A, 9.2A



### APPROVED HANDLER

This product must be applied under the control of an approved handler.

### RECORD KEEPING

Records of use, as described in relevant HSNO Act regulations and the New Zealand Standard for the Management of Agrichemicals (NZS 8409), must be kept if more than 3 kg of Rexade GoDRI is applied, or discharged within 24 hours in a place where members of the public may be present or where the substance may enter air or water and leave the place.

### HEALTH HAZARDS

Causes serious eye irritation. Avoid contact with eyes. **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical attention. See the **PERSONAL PROTECTION** section of this label. **DO NOT** eat, drink or smoke when using this product. Remove protective clothing immediately after handling this product and wash hands and face thoroughly after handling.

### ENVIRONMENTAL HAZARDS

Very toxic to aquatic life with long lasting effects. Avoid release to the environment. **DO NOT** apply directly into or onto water. Very toxic to the soil environment. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. See **Management of Spray Drift** section on this label.

Selective herbicide – very toxic to some plant species. Certain plants may be damaged or killed from contact with this product. No person may apply the substance in a manner that results in adverse effects to non-target vegetation beyond the boundary of the subject property.

### HANDLING PRECAUTIONS

#### EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Flush equipment thoroughly with clean water after use according to Cleaning Spray Equipment instructions below. Dispose of cleaning water according to the Disposal instructions below.

#### STORAGE

Store in original container tightly closed and in a locked, dry, cool, well-ventilated area, away from foodstuffs. Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409).

Stores containing more than 100 kg of Rexade GoDRI (or substances of the same hazard class) require containment, emergency response plans and are subject to signage. See the Hazardous Substances Emergency Management Regulations 35

INFORMATION WITHIN THIS BOX IS NOT PART OF THE LABEL

– 41 and the New Zealand Standard for the Management of Agrichemicals (NZS 8409) for further information.

### **PERSONAL PROTECTION**

When opening the container, preparing the product for use and applying the product, wear eye or face protection, cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Avoid contact with eyes. **DO NOT** eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse. Wash hands and face before meals and after work.

### **SPILLAGE**

**DO NOT** touch or walk through spilled material. Wear the protective equipment recommended above. Stop further spill occurring and prevent entry into waterways and drains. **Small spills/leaks:** In case of spill on floor or paved surfaces sweep up and place in drums for disposal at a licensed local authority landfill. Spill residues may be cleaned up using water and detergent. Contain and absorb wash water. Absorb and collect washings and place in a sealable container for disposal. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills/leaks:** Dam the area of large spills and report them to Corteva Agriscience Emergency Services at 0800 844 455.

### **DISPOSAL**

Triple rinse empty containers and add rinsate to spray tank. Triple rinsed containers containing the Agrecovery logo on the label, and that are free of all residues (liquid and dry) and have an intact legible label should be taken to an Agrecovery container collection site. Otherwise crush and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Dispose of the product only by using according to the label, via Agrecovery (visit [www.Agrecovery.co.nz](http://www.Agrecovery.co.nz) or call 0800 AGRECOVERY (247 326) for information about the type and quantity of chemical acceptable for disposal), or at an approved landfill.

**DO NOT** burn.

Dispose of equipment cleaning water onto ground away from susceptible crops and plants.

**DO NOT** dispose of this product, spray mix or equipment cleaning water down drains or sewers.

### **FIRST AID**

If swallowed, **DO NOT** induce vomiting. If exposed, or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If medical advice is needed, have the product container or label at hand. If splashed in the eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

### **TRANSPORT**

**DO NOT** carry more than 3 kg on a passenger service vehicle.

### **SAFETY DATA SHEET**

A Safety Data Sheet for Rexade GoDRI is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939.

**RE-ENTRY**

**DO NOT** allow entry into treated areas until the spray has dried. If prior entry is necessary, wear personal protective equipment as described above.

**NOTICE**

**Important:** You **must** read the warning and conditions given on this label. If they are not acceptable, or if you are in doubt as to the proper handling of this product (including its transport, storage, use, disposal, and requirements for approved handlers [if applicable]) then return the unopened product to the supplier at once.

**Warning:** This product is subject to controls and could be hazardous if handled incorrectly. The **user is responsible** for ensuring that the handling of this product is in accordance with the law (including the *Hazardous Substances and New Organisms Act 1996* and the *Agricultural Compounds and Veterinary Medicines Act 1997*) and with the directions provided. The Registrant declines all liability (whether in contract, tort (including but not limited to negligence), or otherwise) to the maximum extent permitted by law in relation to the handling of this product in a manner which is contrary to the directions given or to any applicable Acts, Regulations or Guidelines.


**Further information** regarding the applicable Acts, Regulations and Guidelines for the proper handling of this product may be obtained by contacting EPA New Zealand ([www.epa.govt.nz](http://www.epa.govt.nz)) or the Ministry for Primary Industries (MPI) ([www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)).

This product is warranted to contain the specified active ingredients within accepted analytical tolerance when packed.

<p><b>Registered to:</b> Corteva Agriscience New Zealand Limited Private Bag 2017 New Plymouth 4342 Telephone 0800 803 939 <a href="http://www.corteva.co.nz">www.corteva.co.nz</a></p>	<p><b>EMERGENCY RESPONSE</b> (All hours) Ring from anywhere in New Zealand <b>0800 844 455</b> <b>Or Globally</b> <b>+64-6-751-2407</b></p>	<p><b>IN A TRANSPORT EMERGENCY</b> <b>DIAL 111</b> <b>FOR POLICE OR FIRE</b></p>
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Registered pursuant to the ACVM Act 1997, No P9391  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR101198  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval controls

	<p>Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (HALAUXIFEN-METHYL + PYROXSULAM)</p> <p>UN Number: 3077</p> <p>Packing Group: III</p> <p>HAZCHEM: 2Z</p>
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Date of Manufacture:

Batch No.

Barcode

## **DIRECTIONS FOR USE**

### **MIXING INSTRUCTIONS**

Measure the required quantity of granules by measuring on weighing scales or using a volumetric measuring device. Rexade™ GoDRI™ granules disperse rapidly once added to water under agitation.

### **Agitation must be continued throughout mixing and spraying.**

Quarter fill the spray tank. Commence agitation. Add the required amount of Rexade™ GoDRI™. Agitate until thoroughly mixed. Half fill the spray tank. Add wettable powders, water dispersible granules or suspension concentrates. Agitate until thoroughly mixed. Add emulsifiable concentrates. Agitate until thoroughly mixed. Add remainder of the water and finally add the non-ionic surfactant.

### **STORAGE OF DILUTED SPRAY MIX**

Use the spray mix as soon as it is prepared. **DO NOT** leave part tanks of Rexade™ GoDRI™ to stand without agitation.

### **APPLICATION**

Rexade™ GoDRI™ can be applied using conventional ground and aerial spraying equipment. Persons applying this substance must not cause adverse effects to:

- any water body AND
- non-target vegetation beyond the boundary of the property containing the application area.

**Ground boom spraying:** Apply Rexade™ GoDRI™ in 100 – 200 L/ha water as a coarse quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

**Aerial spraying:** Apply Rexade™ GoDRI™ in 50 - 100 L/ha water as a coarse quality spray as defined by the British Crop Protection Council (BCPC) Guideline or the American Society of Agricultural Engineers Standard (ASABE S-572).

### ***Management of Spray Drift:***

**DO NOT** apply when wind speeds are less than 3 km/hr or more than 20 km/hr as measured at the application site.

Spraying equipment must be calibrated to deliver coarse or larger droplets as defined by the American Society of Agricultural and Biological Engineers ASABE Standard (S572) or the British Crop Production Council guideline.

**MANDATORY DOWNWIND BUFFER ZONES**

**For the protection of aquatic organisms** the following buffer zones **MUST BE** observed from DOWNWIND water bodies:

- ≥ 2 metres for ground applications
- ≥ 65 metres for aerial applications

**ADVISORY DOWNWIND BUFFER ZONES**

**For the protection of non-target plants** the following buffer zones are recommended from DOWNWIND natural or planted vegetation:

- ≥ 10 metres for ground applications
- ≥ 25 metres for aerial applications

**For the protection of threatened non-target plants** the following buffer zones are recommended from any DOWNWIND area which may contain threatened plants:

- ≥ 10 metres for ground applications
- ≥ 220 metres for aerial applications

Before application, users should check with the regional authority to establish if there are wetlands, indigenous vegetation habitat areas or reserves which may contain threatened plants adjacent to the application area.

Due to local conditions the recommended downwind buffer zones may not provide adequate protection in some circumstances. Persons applying the substance must take into account site-specific conditions at the application site on the day of application and amend the size of the buffer zone as required.

**Important:** In order to select the appropriate nozzles for the required spray quality and to operate the equipment to minimize spray drift, this product must be applied in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS 8409). Avoid strong winds or inversion conditions that may result in drift from the target area. Techniques to minimise drift should be employed at all times.

**ADJUVANTS**

Always apply Rexade™ GoDRI™ in mixture with a non-ionic surfactant (e.g. Actiwett®, Contact™ or Spreadwet™ 1000) at 250 mL/100 L of water. Not all surfactants are of equal quality. Consult Corteva Agriscience for information on the use of alternative adjuvants.

**COMPATABILITY**

Rexade™ GoDRI™ is compatible with Versatill™ PowerFlo™ and Starane™ Xtra herbicides and Transform™ insecticide as well as many commonly used cereal fungicides. Minor yellowing of some wheat varieties may occur when tank mixed with some synthetic pyrethroid insecticides. Consult Corteva Agriscience for information regarding other tank mix partners.

**DO NOT** apply Rexade™ GoDRI™ in mixture with:

- Herbicides containing amine salts e.g. MCPA and 2,4-D amine
- Other broadleaf herbicides containing an ALS inhibitor such as iodosulfuron and mesosulfuron-methyl or other herbicides for **grass weed** control
- Organo-phosphate & synthetic pyrethroid insecticides.
- Plant growth regulators

## **CLEANING OF SPRAY EQUIPMENT**

### **Before using Rexade™ GoDRI™:**

If grass weed herbicides or other herbicides that may damage cereals have been used at any time prior to Rexade™ GoDRI™, ensure the spray equipment is decontaminated according to the relevant herbicide label directions prior to using the equipment to apply Rexade™ GoDRI™.

### **After using Rexade™ GoDRI™:**

Always flush equipment thoroughly with clean water after use of Rexade™ GoDRI™.

#### Rinsing

- Empty the spray tank completely and drain the whole system. Thoroughly wash inside the unit using a pressure hose. Drain spray unit and clean any filters in the tank, pump, lines, hoses and nozzles.
- After cleaning the spray unit as described above, quarter fill with clean water and circulate the water through the pump, lines, hoses and nozzles. Drain and repeat the rinsing procedure twice.

#### Decontamination

After any previous use of Rexade™ GoDRI™, decontaminate before using the spray equipment for applications to broadleaf crops that are sensitive to Rexade™ GoDRI™.

Decontaminate using the following procedure:

- Quarter fill the tank and add a standard alkali-based laundry detergent at 500 g (or mL)/100 L of water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. Do not use chlorine-based cleaners.
- Drain the whole system. Remove filters and nozzles and clean them separately.
- Finally, flush the system with clean water and allow to drain.

Cleaning water should be discharged onto a designated disposal area, or onto unused land away from desirable plants and water sources.

## **RAINFASTNESS**

Rexade GoDRI is rainfast 6 hours after application.

## **CROP SAFETY**

Rexade GoDRI may be used on all soil types.

Transient crop effects may be observed following application of Rexade™ GoDRI™. Crop effects may be slight yellowing, with minor growth retardation. Grain yield is not affected.

## **CROP FAILURE**

After use of Rexade™ GoDRI™, in the event of crop failure, spring wheat may be planted after ploughing to a depth of at least 15 cm. At least 6 weeks where soil is warm and moist must elapse between treatment and re-drilling.

## **SOIL RESIDUES**

Rexade™ GoDRI™ is microbially degraded in soil. Residues of Rexade™ GoDRI™ decline faster in warm, moist, aerated silt loam soils with good organic matter to support microbial breakdown of residues. Refer to the table below for re-cropping

intervals. Dry soil conditions (rainfall less than 100 mm between application and harvest) and low organic matter may extend the re-cropping intervals outlined below.

	<b>Minimum time from application to planting</b>		<b>Minimum rainfall requirement from application to planting</b>
<b>Following crop</b>	<b>Irrigated Silt loam soils</b>	<b>Other soils</b>	
Cereals (wheat, triticale, barley) Oats – green feed Ryegrass – annual & perennial Brassicas – forage & seed	Ok to plant immediately post-harvest.	Ok to plant immediately post-harvest.	25 mm
Beans Beets Clover Linseed (flax) Peas Potatoes	At least 4 months after application.	At least 9 months after application.	100 mm
Carrots	At least 4 months after application.	At least 12 months after application.	100 mm

#### CRITICAL COMMENTS

The 4-month plantback interval applies only to silt loam soils, which are irrigated through spring, summer and autumn, i.e. silt loam soils that remain moist when soil temperatures are warm. Plantback intervals may be longer for all other soils that are heavier (clay), dry (non-irrigated) or have low organic matter or when soil temperatures are low. For soils that are not silt loam or not irrigated, or if concerned about plantback, conduct a soil bioassay to determine safety to the following crop. Refer to Soil Bioassay below.

#### SOIL BIOASSAY

A simple bioassay can be conducted by collecting at least 10 spade spits of soil to a depth of 200 mm from throughout the paddock and thoroughly mixing the soil together. Place some of this soil in a shallow container to a depth of 3 – 5 cm and sow 100 seeds of the susceptible crop to be grown into the soil. Subterranean or white clover is a good indicator plant where it is not practical to use the susceptible crop. Keep in a warm place with good light and ensure the soil does not dry out. After crop emergence, check the number of plants that have germinated and the seedling vigour. Symptoms of Rexade™ GoDRI™ residues include low or non-germination and emergence, leaf cupping, yellowing, stem elongation and twisting. If these symptoms occur, do not plant the susceptible crop. Repeat the bioassay again after a further time interval.



## WITHHOLDING PERIODS

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

### *Wheat and triticale*

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#### DO NOT apply after the 1<sup>st</sup> node growth stage (GS31)

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<i>Fodder or green feed</i>	Do not graze or cut for feed for 7 days after the last application.
<i>Grain and straw</i>	No WHP is required when the product is used as directed.

Where Rexade™ GoDRI™ is tank mixed with another product, observe the longest applicable withholding period.

## RESISTANCE MANAGEMENT

<b>GROUP</b>	<b>2</b>	<b>4</b>	<b>HERBICIDES</b>
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Rexade™ GoDRI™ contains halauxifen-methyl and pyroxsulam herbicides. Halauxifen-methyl is an arylopicolinate (Group 4) herbicide. Pyroxsulam is a triazolopyrimidine sulfonanilide herbicide (Group 2) which has an acetolactate synthase ALS inhibitor mode of action. Some naturally occurring individual weeds may be resistant to herbicides. With excessive use of the same herbicide group(s) over time, these resistant weeds may dominate in the population resulting in loss of their control. To maximize the effectiveness of herbicides, and to prevent resistance, herbicides with other modes of action should be used in the spray program.

### STRATEGIES FOR PREVENTION & MANAGEMENT OF BROADLEAF WEEDS: INTEGRATED WEED MANAGEMENT STRATEGIES

- **DO NOT** apply more than 2 applications of Group 2 herbicides for control of broadleaf weeds per crop per season.
- **DO NOT** apply more than 200 g/ha of Rexade™ GoDRI™ per crop per season.
- **DO NOT** rely solely on Rexade™ GoDRI™ or other Group 2 and Group 4 herbicides for weed control. Always use an Integrated Weed Management program with herbicides that have other modes of action (non-group 2 & 4 herbicides), together with non-chemical methods of control.

#### Integrated Weed Management techniques for herbicides

- Apply a broad spectrum, post-emergence herbicide (e.g. glyphosate) to control any autumn germinating broadleaf weeds seedlings – both before and after the crop.
- Use mixtures of herbicides at full label rates.
- Apply herbicides at optimum timings and environmental conditions.
- A recommended programme includes a pre-emergence herbicide followed by Rexade GoDRI.
- Keep fence lines free of weeds using broad spectrum (non-group 2 & 4) herbicides (e.g. glyphosate) to minimise seed burden at the edge of paddocks.

Non-chemical (cultural) Integrated Weed Management techniques

- Rotate wheat and triticale with other crops (where herbicides with alternate modes of action may be used).
- Burn stubble where weed density has been high to destroy seed.
- Thorough cultivation (and use of glyphosate) to destroy seedling weeds prior to drilling.
- Use higher sowing rates to increase crop competition with weeds and minimise seed formation.
- Whenever possible, prevent weeds seeding.

Consult [www.resistance.nzpps.org/](http://www.resistance.nzpps.org/) for alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

**CROPS AND WEEDS**

Rexade™ GoDRI™ is a selective foliar herbicide for post-emergence application to control grass and broadleaf weeds in wheat and triticale. **DO NOT** apply to durum wheat, barley or oats.

Avoid overlaps when spraying.

**DO NOT** apply to crops or weeds which may be stressed due to a range of factors including, but not limited to: drought, or water logging; prolonged or severe frosts; sustained high temperatures; poor nutrition (including deficiency and trace element toxicity); root diseases; or previous herbicide treatments as reduced weed control and / or increased crop injury may result.

**DO NOT** apply if rain is likely within 6 hours or weed control may be reduced.

**DO NOT** apply 14 days before or after an organophosphate insecticide.

**DO NOT** apply 7 days before or after applying a plant growth regulator.

**DO NOT** apply more than two times per crop per season (IMPORTANT: see Table 1. Crop growth stage).

Always apply with a non-ionic surfactant at 250 mL/100 L of water.

**Table 1. Crop growth stage**

CROP	CROP GROWTH STAGE
Wheat Triticale	Apply any time between GS13 (3 leaf) and GS31 (1 <sup>st</sup> node).
<p><b>IMPORTANT</b></p> <p>For control of annual ryegrass, wild oats and all broadleaf weeds, apply Rexade™ GoDRI™ <u>once</u> only. Rexade™ GoDRI™ may be applied <u>twice</u> for control of riggut brome grass ONLY.</p> <p><b>DO NOT</b> apply more than a combined total of 2 applications of either Rexade™ GoDRI™ and/or Paradigm™ per crop in any one season.</p>	

Always apply Rexade™ GoDRI™ to small, actively growing, seedling weeds. Larger weeds will be suppressed. Weeds emerging after application will not be controlled.

**Table 2. Weeds controlled or suppressed in wheat and triticale only**

WEEDS CONTROLLED	WEED GROWTH STAGE	RATE	CRITICAL COMMENTS
Ripgut brome grass <i>Bromus diandrus</i>	1-3 leaf stage (pre-tillering)	100 g/ha + a non-ionic surfactant (250 mL/100 L)	Grass weeds may only be suppressed where densities are high (e.g. greater than 50 plants/m <sup>2</sup> ) and crop competition is low.  <b>Brome grasses ONLY</b> If there are surviving plants from the first spray, apply a second spray at the first sign of regrowth (no more than 2 months after the first spray).
Annual ryegrass <i>Lolium multiflorum</i>			
Wild oats <i>Avena fatua</i>			
Chickweed <i>Stellaria media</i>	Early lateral formation		Tank mix with an appropriate herbicide such as Starane™ Xtra or Versatill™ PowerFlo™ for control of other weeds.  Apply a non-ALS herbicide for later germinations of broadleaf weeds.
Cleavers <i>Galium aparine</i>	Seedlings (up to 4 leaf) and suppression of larger plants		
Field pansy <i>Viola arvensis</i>	Up to 5 leaf		
Fumitory <i>Fumaria officinalis</i>	Seedlings and early vegetative rosettes		
Shepherd's purse <i>Capsella bursa-pastoris</i>	Up to 3 leaf	100 g/ha + a non-ionic surfactant (250 mL/100 L)	
Speedwell <i>Veronica persica</i>	Up to formation of two laterals		
White clover <i>Trifolium repens</i>	Up to 2 shoots		
Volunteer linseed <i>Linum usitatissimum</i>	Seedling & early vegetative plants		

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