

WARNING
KEEP OUT OF REACH OF CHILDREN



ADAMA

GALIGAN[®] 500 SC
HERBICIDE

GROUP 14 HERBICIDE

For weed control in orchards, vineyards, onions, vegetable brassicas and forest nurseries; as an additive to glyphosate-based herbicides to lift performance on hard to kill weed species

READ THE ATTACHED BOOKLET COMPLETELY BEFORE MIXING OR APPLYING

Active ingredient:

Contains 500 g/L OXYFLUORFEN in the form of a suspension concentrate

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

Batch number:	NET CONTENTS: 1 L, 5 L, 10 L, 15 L, 20 L
Date of Manufacture:	
Barcode to be inserted	

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

Causes eye irritation. May cause organ damage from repeated exposure via oral or inhalation routes. Very toxic to aquatic life with long lasting effects. Harmful to the soil organisms.

HANDLING PRECAUTIONS

Keep out of reach of children. Do not breathe spray mist. Wash exposed skin thoroughly after handling. Use personal protective equipment as specified in the personal protection section of this label. 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, either by air or ground based methods, 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 L 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 cool, dry place, out of direct sunlight and away from stockfeed or foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. 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, impervious elbow-length gloves, and eye protection. Remove protective clothing and 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 Precautions box 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.

Do not burn product or container.

SAFETY DATA SHEET

A safety data sheet for this product is available at www.adama.com.

FIRST AID

For advice or if you feel unwell, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor.

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

Registered to and distributed by:

ADAMA New Zealand Limited

Level 1, 93 Bolt Road

Tahunanui, Nelson 7011

PO Box 1799, Nelson 7040

New Zealand

Telephone 03 543 8275

www.adama.com

Registered pursuant to the ACVM Act 1997, No. P9367

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval No. HSR100031

See www.epa.govt.nz for approval controls

Galigan is a registered trademark of an ADAMA Group Company.



AGRECOVERY

EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand

0800 734 607

In a Transport
Emergency Phone
111

Police or Fire

GENERAL INFORMATION

GALIGAN 500 SC HERBICIDE is a pre-emergence and post-emergence herbicide for use alone or in tank mixture with other knockdown and/or residual herbicides. GALIGAN 500 SC HERBICIDE has contact activity against small weeds (less than 10 cm) and long term residual activity in low organic matter soils. Residual life is greatest when applied to bare compact ground where emerged weeds are sparse.

Weeds controlled

Bitter cress, black nightshade, catsear, cleavers, cut leaved geranium, fathen (partial control), field bindweed, fumitory, field madder, groundsel, hedge mustard, mouse eared chickweed, nettle, parsley piert, pennyroyal, redroot, mallows, sea radish, seedling docks, Shepherd's Purse, sow thistle, speedwells, storksbill, twin cress, wild portulaca, wild turnip and wireweed.

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.

EPA Controls

- Do not apply onto or into water.
- Apply using ground-based methods only.
- Maximum application rate:
 - 3 L/ha pre-emergence once per season
 - 1.5 L/ha post-emergence once per season
 - 0.24 L/ha post-emergence three times per season

Use as a spike to assist with glyphosate-based herbicides.

When tank-mixed with the correct label rate of any glyphosate-based herbicide, GALIGAN 500 SC HERBICIDE will aid in the initial brownout on most weed leaves and stems without interfering with the translocation properties. Always follow the full label instruction of any tank-mixed herbicides. GALIGAN 500 SC HERBICIDE will assist glyphosate to control mallows, tall willow herb, cleavers and nettles in particular. Some weeds, e.g. speedwells, cress and certain grasses may not show an initial scorch, but an earlier weed kill should still be obtained.

Orchard weed strips, non-crop uses

Apply 40 – 75 mL/ha in tank mix with the recommended rate of glyphosate based herbicide for general use. Apply 1-1.5 L/ha in tank mix with the recommended rate of glyphosate-based herbicide to improve the control of "difficult to kill" weeds such as mallow, nettle, hedge mustard, Shepherd's Purse and field speedwell. Use the high rate for creeping mallow and weeds taller than 25 cm.

Handgun and Knapsack spraying

Add GALIGAN 500 SC HERBICIDE at 150 mL/100 L to the recommended rate of glyphosate-based herbicide and apply to thoroughly wet all weeds.

Conservation tillage

Apply 40 mL/ha in tank mix with the recommended rate of glyphosate-based herbicide.

Adjuvants

For knockdown use the addition of adjuvants can be beneficial.

CROP	RATE	CRITICAL COMMENTS
Pipfruit, stonefruit, kiwifruit and grapevines Residual weed control	3 L/ha in 300-400 L of water	Apply to bare ground when trees and vines are dormant. Do not use near newly grafted or budded cuttings or plants less than 1 year old. Treatment should be made when the soil is moist and weeds are small. Avoid direct crop plant contact.
Onions Post-emergence	120–240 mL/ha in 300-400 L of water	Apply to a weed free soil once onions have two true leaves. Use the low rate when onions are small and conditions are wet and cold. Repeat applications at 4-6 week intervals as required. Treat any weed escapes with suitable contact herbicides if required. The higher rate can be used once onions have three true leaves.
Vegetable brassicas Cabbage, cauliflower, broccoli and broccoflower	400–800 mL/ha in 300-400 L of water	Apply immediately after transplanting to a weed free soil. GALIGAN 500 SC HERBICIDE may be applied directly after irrigating the newly transplanted crop. Some leaf burning may occur in mid-winter, but this is short lived and does not affect yield. Note: Under cold humid conditions, some varieties of broccoli may be damaged resulting in yield reductions. Use the lower rate under cold wet conditions (midwinter) or on medium soils and the higher rate in warm weather (summer) on heavy soils. Make only one application per crop.
Forest nurseries Pre-emergence	1-2 L/ha 250–500 mL/ha in 300-400 L of water	Pinus and Cupressus species Eucalyptus and Racosperma (Acacia) species Can inhibit height growth in some Eucalyptus and Racosperma species. Apply to clean seedbeds immediately after sowing but prior to any emergence of seedlings.
Post-emergence	1-1.5 L/Ha in 300-400 L of water	To achieve best control weeds should be no more than 5 cm in height. Apply no sooner than 5 weeks after seedling emergence. Foliage discolouration can occur in Eucalyptus, Cupressus and Radiata Pine seedlings.

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 PERIODS

Onions: **6 weeks.**

Pipfruit, stonefruit, kiwifruit, grapevines, conservation tillage and forest nurseries: **Not required when used as directed.**

Sheep leaf plucking in vineyards

Sheep that have been leaf plucking within treated vineyards should be removed from the treated area and placed on clean feed for a period of 6 months prior to slaughter.

MIXING

Slowly pour the correct amount of GALIGAN 500 SC HERBICIDE into the partly filled tank. While agitating add the remainder of the water. Maintain agitation during spraying and any stoppages. Only mix sufficient spray for immediate use and avoid storing.

COMPATIBILITY

May be tank mixed with a wide range of herbicides including products containing glyphosate, amitrole, terbutylazine and glufosinate.

APPLICATION

Only apply GALIGAN 500 SC HERBICIDE via conventional ground based boom, gun or knapsack spraying equipment that is well maintained and calibrated and set up to achieve complete coverage of all weeds. Use an appropriate water rate for the weeds present but use a minimum of 300L/Ha.

Sprayer clean-up

To avoid injury to subsequently sprayed sensitive crops, flush sprayer with several rinses of clean water after use.

RAINFALL

For residual use rainfall has no detrimental effect. For knockdown use alone delay treatment if rain is likely up to three hours after spray has dried on the foliage.

PLANTBACK RESTRICTIONS

When used at low rates there should be no problem with germination of following crops following cultivation or direct drilling of pasture or brassicas. Do not use as a stale seedbed additive to glyphosate in vegetable growing unless prior knowledge suggest otherwise.

RESISTANCE MANAGEMENT

GALIGAN 500 SC HERBICIDE contains the GROUP 14 herbicide, oxyfluorfen. Do not use another product containing an herbicide in the same group in conjunction with GALIGAN 500 SC HERBICIDE, and where possible alternate the types of herbicides used within any one paddock over time. Herbicides from different group codes should either be used alternately or mixed together to prevent the numbers of resistant individuals building up.

Galigan is a registered trademark of an ADAMA Group Company.