

HARMFUL • ECOTOXIC • CORROSIVE

Keep out of reach of children

THISTROL[®]

PLUS



Active Ingredients: 25g/litre MCPA and 375g/litre MCPB, both as the dimethylamine salts in the form of a soluble concentrate.

*Selective herbicide for controlling broadleaf weeds
in young and established pastures, cereals, peas
and in white clover and grass seed crops.*

 **AGRECOVERY**



Net: 20 Litres


Nufarm

THISTROL® PLUS

Resistant weeds will be controlled by Thistrol Plus or other phenoxy herbicides. Species with known resistant biotypes include nodding thistle, giant buttercup and slender winged thistle. To prevent or delay the development of resistance, use Thistrol Plus in tank mixtures where appropriate and/or in rotation with herbicides having a different mode of action against the weed.

Animal Safety: Poisonous plants (e.g. ragwort) may become more palatable after spraying and stock should be kept away from the area until plants have died down.

Tank Cleaning: Flush spray equipment thoroughly with clean water after use. If equipment used to apply Thistrol Plus is to be used to apply other chemicals to sensitive crops, it must be thoroughly decontaminated using procedures recommended for phenoxy herbicides.

Shelf life: When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

GENERAL INFORMATION

Thistrol Plus is slow acting and may take several weeks to effect control. The activity of Thistrol Plus depends on its conversion by susceptible weeds from the butyric (MCPB) form to the biologically active acetic (MCPA) form. Treat small seedling or early rosette stage actively growing weeds which are better able to make this conversion. Use the higher rate where weeds are more advanced.

Do not spray weeds under stress (drought, water logging etc.), or if rainfall is expected within 2 hours of application.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

Spot Treatment: Use 10ml/litre.

WEEDS CONTROLLED:

Weed	Rate/Ha	Notes
Annual buttercups, fathen, Scotch thistle	3-4L	Treat any growth stage before flowering.
Black nightshade, redroot, twin cress, giant buttercup	3-4L	Controlled as seedlings. Useful suppression of older stages.
Thistles - nodding, winged, variegated	4L	Controlled as seedlings. Useful suppression of older stages.
Californian thistle	4L	Treat at flower bud stage before flowers open.
Docks, hedge mustard, nettles, wild turnip, plantain, willow weed	4L	Controlled only as seedlings.

Tolerant Weeds: Chickweed, chamomiles, cleavers, daisy, dandelion, ragwort, speedwell, spurrey, stinking mayweed.

DIRECTIONS FOR USE:

Crop	Rate/Ha	Notes
Pasture	3-4L in 200 litres water	On new pasture use 3L/ha when clover has at least 2 true trifoliate leaves, but weeds are still at seedling stage. On established pasture use 4L/ha if weeds are past seedling stage.
Cereals	3-4L in 150-250 litres water	Apply between the second leaf and first node stage of the crop. Use the higher rate if weeds have more than 3 leaves. Do not use on crops undersown with clover or lucerne.
Peas	3-4L in 150-250 litres water	Apply between 5-7 node growth stage of the crop. Some temporary twisting of the crop may occur. Do not apply Thistrol Plus in combination with other herbicides. As heavy rain may remove the protective leaf wax on peas, delay treatment until a crystal violet leaf test confirms the crop is safe to treat.
White clover seed crops	3-4L in 150-250 litres water	Apply in spring to actively growing seedling weeds. Do not apply after clover flowering has started.
Grass seed crops e.g. cocksfoot, dogstail, ryegrass, timothy	3-4L in 150-250 litres water	Apply to seedling weeds well before seed head emergence in the crop.

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Approved pursuant to the HSN0 Act 1996, Approval Code HSR000379. See www.ermanz.govt.nz for approval controls.

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 or 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.

PROPER SHIPPING NAME	HAZARD CLASS	UN No.	HAZCHEM	PACKING GROUP
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (MCPA 2.5% and MCPB 37.5%)	9	3082	2X	III

Marketed by: Nufarm Limited,
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Nufarm emergency phoneline: 0800-651 911 toll free 24 hours

Batch No.:

D.O.M.:

HAZARD CLASSIFICATION

6.1D, 6.5B, 6.8B, 6.9B, 8.3A, 9.1A, 9.2A, 9.3C

APPROVED HANDLER

This product must be under the control of an approved handler during use. This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

TOXICITY

• Harmful - may be harmful if swallowed, inhaled or absorbed through the skin. May cause sensitisation of the skin from prolonged skin contact. May cause liver damage from repeated oral exposure at high doses. May cause reproductive/development damage from repeated oral exposure.

CORROSIVE

• Danger - this product is corrosive and may cause eye damage.

ECOTOXIC

• Toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container.

• Selective herbicide - very toxic to some plant species.

Beware: Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Ensure compliance with relevant regional air management plans. To minimise the risk of damage from drift of this product, especially where susceptible vegetation is within 0.5km, use low drift nozzles which minimise the production of small droplets (less than 100 microns). Maintain a water rate of at least 30 litres/ha for aerial spraying. Do not add additional wetter unless specified on the label. Preferred wind conditions for spraying are a light constant breeze away from any sensitive crop.

HANDLING PRECAUTIONS

STORAGE

• 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 100L of Thistrol Plus require bunding and are subject to signage and more than 100L require emergency response plans.

PERSONAL PROTECTION

• Avoid skin or eye contact and inhalation of spray mist. When handling wear eye protection, waterproof gloves, boots, hat and overalls. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT:

• Apply with well-maintained and calibrated equipment.

DISPOSAL

• Triple rinse empty container and add rinsate to 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 swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, flush with running water immediately. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

Spillage: Wear appropriate protective clothing and prevent material from entering waterways. Contain liquid spills and absorb with inert material. Dispose of waste safely in an approved landfill.

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

Record Keeping: Records of use, as described in NZS 8409 Management of Agrichemicals, must be kept if 3L or more is applied within 24 hours.

Resistant weeds warning: Resistance to this herbicide could develop from excessive use. To minimise this risk use strictly in accordance with label instructions. Thistrol Plus contains two

GROUP 01 HERBICIDES belonging to the phenoxy group of chemistry. Thistrol Plus has the disruption of plant cell growth mode of action. Naturally occurring weed biotypes resistant to Thistrol Plus and other phenoxy herbicides are known to exist. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.