

Harmful - Keep out of reach of children
ECOTOXIC



Pasture-Kleen™

Xtra

HERBICIDE

ACTIVE INGREDIENT: Contains 680 g/litre 2,4-D as the ethylhexyl ester in the form of an emulsifiable concentrate.

GROUP 01 HERBICIDE

Controls broadleaf weeds in pasture

READ THIS LABEL COMPLETELY BEFORE MIXING OR APPLYING

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HAZARD CLASSIFICATION

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

APPROVED HANDLER

This product must be under the personal control of an approved handler when:

- applied in a wide dispersive manner; or
- used by a commercial contractor

RECORD KEEPING

Records of use, as described in the relevant HSN0 regulations and the New Zealand Standard for the Management of Agrichemicals (NZS8409), must be kept if more than 3L of **PASTURE-KLEEN XTRA HERBICIDE** 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.

TOXICITY

THIS SUBSTANCE MAY BE HARMFUL IF SWALLOWED IN LARGE AMOUNTS. REPEATED SKIN EXPOSURE MAY RESULT IN IRRITATION, SENSITIVITY AND ABSORPTION OF HARMFUL AMOUNTS. MAY CAUSE ORGAN DAMAGE FROM REPEATED ORAL EXPOSURE AT HIGH DOSES. Avoid contact with skin.

ECOTOXICITY

VERY TOXIC TO AQUATIC ORGANISMS. **DO NOT** contaminate an aquatic environment with chemical or empty container. **DO NOT** spray over, or allow to drift over, an aquatic environment.

SELECTIVE HERBICIDE - VERY TOXIC TO SOME PLANT SPECIES. Some plants may be damaged or killed from contact with this product. **DO NOT** allow drift outside the target area to occur. Decontaminate equipment before use on sensitive plants (see Application Methods section).

HANDLING PRECAUTIONS

EQUIPMENT

Apply using accurately calibrated and maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

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 (NZS8409).

Stores containing equal to or more than 100L of **PASTURE-KLEEN XTRA HERBICIDE** (or substances of the same hazard class) require bunding and are subject to signage. See the Hazardous Substances Emergency Management and Identification Regulations 34 & 35 and NZS8409 for further information.

PERSONAL PROTECTION

When mixing or applying wear eye protection, cotton overalls buttoned to the neck and wrist, chemical resistant gloves made of a material such as polyethylene or polyvinyl chloride, and chemical resistant boots.

DO NOT eat, drink or smoke while using. Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

SPILLS

DO NOT touch or walk through spilled material. Wear appropriate protective clothing as recommended above. Stop further spill occurring and prevent entry into waterways and drains. **Small spills:** Absorb with proprietary absorbent suitable for chemical spills or inert material such as sand, soil or sawdust. Collect spilled product and place in a sealable container for disposal. Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the SDS, product label or Corteva Agriscience regarding disposal. **Large spills/leaks:** Report large spills 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 may be taken to an Agrecovery collection site. Otherwise crush or puncture and bury in a suitably approved landfill. **DO NOT** burn empty containers.

Dispose of this product only by using according to the label, via Agrecovery (visit 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.

200 Litre: Triple rinse empty container and add rinsate to spray the tank. Crush or puncture and bury in a suitably approved landfill.

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. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If splashed in 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 100 litres of this product on a passenger service vehicle.

SAFETY DATA SHEET

A Safety Data Sheet for **PASTURE-KLEEN XTRA HERBICIDE** is available from Corteva Agriscience on request. Call Customer Service Toll Free on 0800 803 939 or visit www.corteva.co.nz.

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) or the Ministry for Primary Industries (MPI) (www.foodsafety.govt.nz).

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

RESISTANCE MANAGEMENT

GROUP 01 HERBICIDE

PASTURE-KLEEN XTRA HERBICIDE is a phenoxy-carboxylic-acid herbicide (Group 01). Some naturally occurring individual weeds may become resistant when excessive use of the same chemical group occurs. To maximize the effectiveness of herbicides, products containing alternate modes of action should be used in the spray program. Consult <http://resistance.nzpps.org> for chemicals with alternate modes of action and the details of resistance management strategies (if any) for the crops listed on the label.

ANIMAL SAFETY

Poisonous plants (e.g. ragwort) may become more palatable after spraying. If concerned that stock health may be affected, stock should be kept away from the treated area until plants have died down.

APPLICATION METHODS

PASTURE-KLEEN XTRA HERBICIDE can be applied using conventional ground or aircraft spraying equipment. Flush equipment thoroughly with clean water after use. **Decontaminate before using on plants that are sensitive to 2,4-D.** Crops susceptible to **PASTURE-KLEEN XTRA HERBICIDE** include, but are not limited to: peas, lucerne, beans, and other legumes; flowers, fruit trees, grapes, kiwifruit, ornamentals, shade trees and *Pinus* spp., potatoes, tomatoes, and vegetables.

Cleaning the spray equipment:

Rinsing

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

Decontamination

Before applying to sensitive crops with equipment that has been used to apply **PASTURE-KLEEN XTRA HERBICIDE**

- Wash the tank and rinse the system as above, then quarter fill the tank and add a standard alkali based laundry detergent at 500g (or mL)/100L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250g (or mL)/100L 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.

Using the spray equipment:

The following application situations must use spray equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Boom Spraying: Use 100-200 litres water per as at least a medium quality spray as defined by the BCPC or the ASABE (S572). For difficult-to-control perennial pasture weeds use 200-500 litres water per hectare to obtain more complete coverage. **To minimise off target drift it is recommended to spray when wind speed are between 3 and 20 km/hr and avoid atmospheric inversion conditions.**

CDA Spraying: For pasture weeds use 15-50 litres water per hectare using spray equipment which will produce a droplet size not less than 150 microns.

Aerial Spraying: Use 30-60 litres water per hectare for pasture weeds and 200-400 litres for willows. Apply as coarse to very coarse quality spray as defined by the British Crop Protection Council (BCPC) or the American Society for Agricultural and Biological Engineers (ASABE S572). For difficult-to-control perennial pasture weeds use 60 litres water per hectare to obtain more complete coverage. **To minimise off target drift it is recommended to spray when wind speed are between 3 and 20 km/hr and avoid atmospheric inversion conditions.**

Spot Spraying: For pasture weeds use a pressure of 600-800 kPa through a No. 4 tip and apply as a wetting spray.

MIXING:

Pour the measured quantity of **PASTURE-KLEEN XTRA HERBICIDE** into the partly filled spray tank and add the remainder of the water, agitating thoroughly during filling.

WITHHOLDING PERIODS

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.

Except for animal safety reasons no withholding period is required when used as directed.

DIRECTIONS FOR USE:

PASTURE-KLEEN XTRA HERBICIDE is a selective herbicide for the control of many broadleaf weeds in pasture and other areas. It can also be used to control willows and Spanish heath.

TIME OF APPLICATION:

Autumn, early winter, or early spring treatment is recommended for best control from label rates. During mid winter when weeds are growing less actively, variable control can occur. **DO NOT** apply to weeds under growth stress (frost, drought).

PASTURE MANAGEMENT:

Graze the area before spraying to reduce clover leaf and to expose the weeds to the spray. Leave for one week to allow weeds to freshen prior to spraying. Delay grazing the sprayed paddock for two weeks as premature grazing of the treated weeds may reduce the level of control. See also the withholding period section.

High rates of **PASTURE-KLEEN XTRA HERBICIDE** may cause temporary suppression of clovers, particularly red, subterranean and suckling clovers.

Weed	Rate (L/ha)	Comments
Nodding Thistle	1.5	Apply to small rosettes only whose root crown (determined by cutting plant off at ground level) is less than 2 cm in diameter.
	2.0	Apply to rosettes whose root crown is 2-4 cm in diameter and before flower stalk development. For thistles with root crowns greater than 4 cm diameter, and multicrown plants add Versatill™ Herbicide 100 ml/ha.
Variegated Thistle	1.5	Apply to seedlings only
	2.0	Apply to small rosettes less than 15 cm in diameter.
Winged Thistle	1.5	Apply to seedlings only
	2.0	Apply to rosettes prior to flower stalk emergence. In areas where thistles have been found to be hard to kill add Versatill™ Herbicide to PASTURE-KLEEN XTRA HERBICIDE at 100 ml Versatill Herbicide/hectare.

NOTE: If Versatill Herbicide is added perennial clover will be suppressed and annual clover may be removed from the sward.

Apply **PASTURE-KLEEN XTRA HERBICIDE** at 0.75 litres/ha for seedling or 1.5 litres/ha for small plants of the following weeds:

redroot; bur medick; buttercups (annual); catsear; cresses; dandelion; hedge mustard; hemlock; plantains; Scotch thistle.

Apply **PASTURE-KLEEN XTRA HERBICIDE** at 2.0-3.0 litres/ha for control of the following seedling plants: parsley dropwort; field bindweed; burdock; creeping mallow; fennel; fireweeds; hoary cress; foxglove; nettles; wild portulaca; ragwort; willow weed.

SPOT SPRAYING:

For gun application to the above wide range of weeds use 500 ml per 100 litres water. For knapsack applications use 5 ml per litre water.

WILLOWS:

Aerial Spraying: Apply 6 litres **PASTURE-KLEEN XTRA HERBICIDE** in 200-400 litres water per hectare in late spring to fully leafed trees. Up to 2 treatments may be necessary at 12 monthly intervals.

Gun Spraying: Apply 350 ml **PASTURE-KLEEN XTRA HERBICIDE** per 100 litres water to full coverage in late spring to fully leafed trees.

Stump Swabbing/Frilling: Use a 1:40 mixture of **PASTURE-KLEEN XTRA HERBICIDE** in diesel or waste oil. Apply to the freshly cut surface or frill immediately after cutting using a paint brush or knapsack sprayer.

SPANISH HEATH:

Apply 500 ml **PASTURE-KLEEN XTRA HERBICIDE** per 100 litres water to full coverage during active spring growth.

Registered pursuant to the ACVM Act 1997, No P7295.

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, EPA Approval Code HSR000962

See www.epa.govt.nz for approval controls.

Registered to:

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www.corteva.co.nz

Telephone 0800 803 939

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EMERGENCY RESPONSE

(All hours)

Ring from anywhere in New Zealand

0800 844 455 or

Globally +64 6 751 2407

IN A TRANSPORT EMERGENCY

DIAL 111

FOR POLICE OR FIRE

GMID: 99043379 08/19