

NET 200 g

ECOTOXIC

Glean[®] herbicide

For control of Broadleaf weeds in
Barley, Wheat and Oats

Active Ingredient:
Contains 750 g/kg chlorsulfuron in
the form of a water dispersible
granule

GROUP **B** HERBICIDE



A handwritten signature in blue ink, appearing to be "Mark Gillingham".

READ LABEL AND LEAFLET BEFORE
MIXING AND APPLICATION



Registered pursuant to the ACVM Act 1997 No. P3096
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to the HSNO Act 1996 Code HSR101058

HAZARD CLASSIFICATION: 9.1A, 9.2A

APPROVED HANDLER: This product must be under the control of an approved handler during use. Use of this product in any manner contrary to this label may be an offence under the HSNO Act.

ECOTOXIC - Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to the soil environment. **DO NOT** allow spray drift outside the target area.

PRECAUTIONS:

DO NOT eat, drink or smoke while using. Store in original container, tightly closed and under lock and key. **DO NOT** store with Class 1, 2, 3.2, 4 or 5 substances or feed, seeds or foodstuffs. Stores containing more than 100 kg of this product require secondary containment and are subject to signage. 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.

DISPOSAL: Container disposal: Ensure container is empty. Burn if circumstances, especially wind direction permit, otherwise bury in an approved landfill. **DO NOT** reuse container. Dispose of this product only by using according to this label. Always follow local authority requirements.

FIRST AID

If swallowed **DO NOT** induce vomiting. For advice, contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if feeling unwell. If spilt on skin, remove contaminated clothing and wash affected areas of skin. **DO NOT** SCRUB THE SKIN. If concentrate is splashed in eyes, flush with running water for at least 15 minutes. Take to hospital without delay. If inhaled, remove to fresh air. Take to hospital without delay.

SPILLAGE

Wear appropriate protective clothing. Shovel or sweep up and dispose of waste safely in an approved landfill. Never return to the container for reuse. **DO NOT** flush to surface water or sewer system.



GENERAL INFORMATION

Glean® herbicide is a dry flowable granule to be mixed in water and applied as a spray for selective post-emergence control of weeds in Wheat, Barley and Oats. It is non-corrosive to equipment, non-flammable and non-volatile.

Best results are obtained when Glean® herbicide is applied to young, actively growing weeds. Glean® herbicide stops growth of susceptible weeds. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1-3 weeks after application. Warm moist conditions following treatment promote the activity of Glean® herbicide while cold, dry conditions delay the activity of Glean® herbicide.

DO NOT apply Glean® herbicide to crops that are stressed by severe weather conditions such as drought, frost, water saturated soil, disease or insect damage as crop injury may result. Severe winter stress, drought, disease or insect damage following application may also result in crop injury.

BEWARE - Apply this product carefully. Spray drift may cause serious damage to other desirable plants.

IMPORTANT

Injury to or loss of desirable trees or other plants may result from failure to observe the following. **DO NOT** apply or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend, or in locations where the chemical may be washed or moved into contact with their roots. **DO NOT** use on lawns, walks, driveways, tennis courts or similar areas. Application to drains and irrigation channels must only be made when these waterways are dry and at least two months is allowed to elapse before the channels are used for carrying water. Prevent drift of granules or spray to desirable plants. Keep from contact with fertilizers, insecticides, fungicides and seeds.

DIRECTIONS FOR USE

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

MIXING INSTRUCTIONS

Using the graduated measuring cylinder provided, measure the correct amount of Glean® herbicide required for the area to be sprayed and add to the required volume of water. Continuous agitation is required to keep the product in suspension. Use Glean® herbicide spray mixtures within 24 hours of preparation, as product degradation may occur.

SURFACTANT

Always add a non-ionic surfactant at the manufacturer's recommendations unless mixing with another product which contains surfactant.

SPRAY VOLUMES

Use a well maintained, accurately calibrated sprayer applying a minimum of 60 litres per hectare. Avoid overlapping and shut off spray booms while starting, slowing or stopping, or injury to the crop may result.

RATES OF APPLICATION - WHEAT, BARLEY, OATS

Apply 20 grams Glean® herbicide per hectare plus surfactant at any time after the crop is in the two leaf stage, but before the 'boot' stage. For best results apply to small actively growing weeds (less than 5 cm tall or across) before crop canopy closes in. Where treatment is delayed or where weeds are not actively growing due to adverse conditions, weeds may only be stunted or suppressed.

The following weeds are controlled by Glean® herbicide; Calandrinia, Californian thistle[#], Chickweed, Cornbind, Dandelions, Docks, Fathen, Hawksbeard, Nodding thistle, Rayless chamomile, Redroot, Scarlet pimpernel, Scentless chamomile, Scotch thistle, Shepherds purse, Spurrey, Stinking mayweed, Twin cress, Vetch, White clover, Willow weed, Wild turnip, Yellow gromwell.

[#] Delay application until after the majority of thistles have emerged and are at the rosette stage (10-15 cm tall). Thistles which emerge after spraying will not be controlled.



Moderately Susceptible Weeds (Control if treated as seedlings under optimum conditions): Cleavers, Wireweed, Yarrow.

Moderately Resistant Weeds (Reduction in population and vigour); Field pansy, Speedwells

Resistant Weeds: Black nightshade, Wild oats. If these weeds are a problem, add a herbicide registered for the control of these species.

DO NOT spray Glean® herbicide on cereals undersown with Lucerne or White clover.

RE-CROPPING RECOMMENDATIONS

In the event of a crop failure, **DO NOT** replant to any other crop other than Wheat or Oats within 3 months of applying Glean® herbicide. Following harvest of the cereal crop, and within 12 months of the Glean® herbicide application, the paddock can be sown down into pasture, greenfeed crops (Brassicas), Peas or Lucerne. **DO NOT** replant any other crop without first consulting the local FMC Representative.

TANK MIXTURES

Glean® herbicide may be applied at the reduced rate of 15 g/ha if tank mixed with Combine*, Duplosan - DP*, Dyprop*, or Cougar* (not Oats). Refer to the specific product label for rates and recommendations.

COMPATIBILITY

Experience so far suggests that Glean® herbicide is compatible with commonly used cereal herbicides, insecticides and fungicides.

SPRAYER CLEANUP

To avoid subsequent injury to crops after spraying thoroughly remove all traces of Glean® herbicide from spray equipment as follows:

1. Drain tank, then flush tank, boom and hoses with clean water for a minimum of 10 minutes.
2. Fill the tank with clean water and add 1 litre chlorine bleach (containing 3% solution sodium hypochlorite) per 100 litres of water. Flush through with agitation, then drain.
3. Repeat step 2.
4. Nozzles and screens should be removed and cleaned separately. To remove traces of chlorine bleach, rinse the tank thoroughly with clean water and flush through hoses and boom.

RESISTANT WEEDS WARNING

Glean® herbicide is a member of the sulfonylurea group of herbicides. Naturally occurring biotypes resistant to Glean® herbicide and other sulfonylurea herbicides are known to exist. These resistant weeds will not be controlled by Glean® herbicide or other sulfonylurea herbicides.

Chickweed biotypes resistant to Glean® herbicide have been identified. To prevent or delay the development of resistant weeds, use Glean® herbicide in tank mixes (if appropriate) and/or rotations with herbicides having different modes of action effective on the same weed species.

To help prevent the development of resistant weeds Glean® herbicide, or any other sulfonylurea herbicide, should not be applied alone (i.e. without an appropriate tank mix herbicide) to the same paddock more than three times within three successive years.

Since the occurrence of resistant weeds is difficult to detect prior to use, FMC accepts no liability for any losses that may result from the failure of Glean® herbicide to control resistant weeds.

RECORD KEEPING

Records of use, as described in NZS 8409 - Management of Agrichemicals must be kept.



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NOTICE TO BUYER

FMC warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of FMC. To the extent permitted at law FMC shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the buyer.

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