

GREENGARD

Contains 200g/litre (19.34% w/w) 2,4-D acid equiv. as the ethyl hexyl ester, 85g/litre (8.22%w/w) dicamba and 65g/litre (6.29% w/w) triclopyr acid equiv. as the butoxyethyl ester formulated as an emulsifiable concentrate. (MAPP11715)

A selective herbicide for the control of certain broad-leaved weeds in amenity grassland and scrub control in forestry and uncropped areas.

COMPLIANCE WITH THE FOLLOWING CONDITIONS OF USE AND ALL SAFETY PRECAUTIONS MARKED * IS A LEGAL REQUIREMENT

FOR USE ONLY AS AN AMENITY/HORTICULTURAL AND FORESTRY HERBICIDE.				
Crops/situations: Amenity grassland, forest, areas not intended to bear vegetation, natural surfaces not intended to bear vegetation				
Crops	Maximum Individual Dose	Maximum Total Dose	Maximum number of treatments	Latest time of application
Amenity grassland, areas or surfaces not intended to bear vegetation	5.0 l/ha or 20 ml/l water	10 l/ha/year	2 2	Apply to actively growing weeds before flower buds have opened or at the 'rosette' stage
Forest	75 ml/l water (foliage spray)		2	End of summer
	150 ml/l water (cut stump spray)		2	After felling up to the start of regrowth
<i>Other specific restrictions:</i>				
When using a knapsack sprayer: a) For foliar applications the maximum concentration must not exceed 75 ml product per litre of water. b) For cut and stump treatments the maximum concentration must not exceed 150 ml product per litre of water. When using a tractor mounted weed-wipe the maximum concentration must not exceed 1 part product : 3 parts water. When using hand held ropewick guidances the maximum concentration must not exceed 1 part product : 8 parts water.				
READ ALL OTHER SAFETY PRECAUTIONS AND DIRECTIONS FOR USE BEFORE USE				

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

HARMFUL IF SWALLOWED

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED

IRRITATING TO EYES AND SKIN

IRRITATING TO THE RESPIRATORY SYSTEM

FLAMMABLE

TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT



Dangerous for the environment



Harmful

PROTECT FROM FROST

Contents: 5 litres e

Batch No.: see container

GREENGARD is marketed by

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SAFETY PRECAUTIONS

Operator protection

*Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

*WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate

*WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when applying by hand held equipment and handling contaminated surfaces.

*WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted equipment

*However, engineering controls may replace personal protective equipment if a COSHH

assessment shows they provide an equal or higher standard of protection.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves

TAKE OFF IMMEDIATELY all contaminated clothing

WHEN USING DO NOT EAT, DRINK OR SMOKE

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice

WASH CONCENTRATE from skin or eyes immediately

AVOID ALL CONTACT BY MOUTH

DO NOT BREATHE SPRAY

WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work

Consumer protection

DO NOT USE ON FOOD CROPS

Environmental protection

* DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

* KEEP LIVESTOCK OUT of treated areas for at least 7 days. If poisonous weeds such as

Ragwort are present, DO NOT cut or graze until all the foliage of these weeds has died and become unpalatable.

Do not harrow or roll grassland during the seven (7) days before or after treatment.

Do not cut treated grassland for at least fourteen (14) days after treatment.

Storage and disposal

*DO NOT RE-USE CONTAINER for any purpose

PROTECT FROM FROST

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

KEEP OUT OF REACH OF CHILDREN

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely

MEDICAL ADVICE

IF YOU FEEL UNWELL seek medical advice (show label where possible)

IF SWALLOWED, do not induce vomiting: seek medical advice immediately and show this container or label.

First Aid

In case of skin contact remove all contaminated clothing and wash the patient thoroughly with plenty of water and soap. In case of eye contact, flush eyes with copious amounts of water for at least 15 minutes and seek medical advice. If by inhalation move to fresh air, administer oxygen if necessary. Keep the patient warm and quiet. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Gastric lavage should be carried out with protection of the airways. Keep the patient at absolute rest and seek medical assistance immediately. Do not induce vomiting to an unconscious patient.

Note to doctor: No specific antidote known. Symptomatic treatment.

This leaflet is part of the Product label.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

a) RESTRICTIONS OR WARNING

Do not spray where clovers or other legumes are an important part of the sward.

GREENGARD may be applied to grassland that has been established for a minimum of twelve months.

DO NOT ALLOW SPRAY TO DRIFT into glasshouses, or onto other agricultural or horticultural crops, amenity plantings or gardens. Not to be used in glasshouses.

GREENGARD contains an ester formulation and vapour may be liable to drift under hot conditions. Assess the risk to plants in the vicinity before spraying.

Desired amenity species may be damaged if they have roots extending into the treated area.

Do not allow spray applications to come into any contact with desired broad-leaved trees.

Although when completely dormant most species of conifers are not susceptible to GREENGARD, contact with spray should be avoided.

Do not treat grass crops intended for seed production.

Do not sow any crop into a sward treated with GREENGARD for at least 6 weeks after application.

The growth of certain grass species such as bents and Yorkshire Fog may be temporarily suppressed by the application of GREENGARD.

Docks and other weeds sprayed with GREENGARD may become increasingly palatable to stock and may therefore be preferentially grazed.

b) WEEDS CONTROLLED AND CROP SPECIFIC INFORMATION

1. WEED CONTROL IN GRASSLAND

GREENGARD controls or suppresses a wide range of perennial weeds. GREENGARD may be applied at between 2.0 - 5.0 litres per hectare, depending on the weed species present, and the required level of control. Repeat applications in the same season or following seasons may be required for long-term control.

Definitions

Susceptible: Consistently high levels of control obtained under good growing conditions.

Moderately Susceptible: Top growth usually killed and a useful measure of long-term control obtained under good growing conditions.

Moderately Resistant: A variable effect on top growth according to growing conditions. Little long term control likely.

Weeds Controlled at 5.0 l/ha

Susceptible

Common Nettle	Plantains
Creeping Thistle	Spear Thistle

Moderately Susceptible

Common Daisy	Dandelion
Common Ragwort	Broad-leaved Dock
Creeping Buttercup	Curled Dock

Common Nettle is susceptible at 3.0 l/ha. All other species shown above (with the exception of Common Daisy which is moderately resistant) are moderately susceptible at 3.0 l/ha

A reduced rate of 2.0 l/ha may be used for a check on top growth of perennial weeds, or as a follow-up treatment applied in the same season as an earlier treatment.

Common Ragwort will require spraying over a minimum of two years for complete control. For better control of Common Ragwort, up to 2.0 l/ha of approved formulations containing 500 g/litre 2,4-D may be added. Broad-leaved Dock, Creeping Buttercup and Curled Dock may require repeat treatment if regrowth occurs.

Apply GREENGARD to actively growing weeds that have well developed foliage, but before the flower buds have opened, usually in late spring or summer but not when rain is imminent nor in periods of drought or very hot or cold weather. Control may be reduced if rain falls within 2 hours of application. For best results treat Nettles when they are within the range 30 - 45 cm high. Other broad-leaved weeds are best treated when they have a well-developed 'rosette' of leaves.

2. CONTROL OF WOODY WEEDS

2.1 Foliage Applications

Apply GREENGARD after the first flush of spring growth has occurred, typically between July and September, with a knapsack sprayer equipped and calibrated to give a FINE spray, and apply to all foliage to be controlled to the point of run-off. More than one application may be needed for complete control of all recommended species. Do not treat when senescence is evident.

Weed Species and Height	Dilution Rate
Brambles	10 ml of GREENGARD per litre water
Broom, Gorse (up to 1 metre high), Ash, birch, buckthorn, chestnut, hazel, oak, sycamore (between 1 - 2 metres high).	20 ml of GREENGARD per litre water
Japanese knotweed (1 - 2 metres high)	65 ml of GREENGARD per litre water

Rhododendron (1 - 2 metres high)

75 ml of GREENGARD per litre water

Where GREENGARD has been applied at rates of up to 20 ml per litre of water, do not replant in the treated area until 1 month has elapsed after treatment. Where GREENGARD has been applied at 65 - 75 ml per litre of water, do not replant until 3 months have elapsed after treatment.

2.2 Tree stump treatments

Apply GREENGARD after felling up to the start of regrowth with a knapsack sprayer to apply a medium spray to the outer rim of the stump. It is not necessary to treat the central heartwood of the stump. A suitable dye may be added to the diluted spray to indicate treated stumps. Hazel and Oak are less well controlled than other species.

Use 150 ml of GREENGARD per litre of water, then apply at the rates shown in the following table, according to the approximate size of the tree stump (100 ml diluted spray/50cm diameter cut stump). Use the diluted spray immediately, do not keep diluted spray for any length of time e.g. overnight.

Tree Stump Diameter	Rate of DILUTED GREENGARD
0.10 m	20 ml diluted spray
0.20 m	40 ml diluted spray
0.40 m	80 ml diluted spray
0.80 m	160 ml diluted spray
1.00 m	200 ml diluted spray

Do not replant within one metre of treated tree stumps until 3 months after application. Beyond one metre of the treated area can be planted at any time. Any regrowth from treated stumps should be treated with a spray of GREENGARD to the growing foliage.

c) MIXING AND SPRAYING

Before mixing, ensure that the spraying equipment has been thoroughly decontaminated from any previous use, and that it has been equipped and calibrated to apply the recommended spray volume and spray quality.

Shake the container well before use

Place half the required amount of water in the spray tank, followed by the recommended quantity of GREENGARD. In the case of using the entire container of GREENGARD, rinse the container thoroughly and add the washings to the spray tank. Add the remaining water requirement to the spray tank. When using overall application with a tractor sprayer, maintain agitation throughout the mixing and spraying operation. When using a knapsack sprayer, agitate the container before use.

After use, thoroughly decontaminate the sprayer.

Overall Application

This method is recommended when weed populations are high and there is a large area to be treated. Apply GREENGARD in 200 to 400 litres of water per hectare, as a MEDIUM spray at a pressure of 3 bar. Where weed foliage is dense or tall, use the higher volume of water. Make sure that all foliage to be controlled is covered by the spray.

Knapsack Application

This method is recommended for spot treatment of weeds, e.g. clumps of Nettles, Common Ragwort, Docks or other weeds. Add 10 ml of GREENGARD per litre of water and apply as a medium spray to just before run-off occurs.

Alternatively, add 20ml of GREENGARD per litre of water and apply as a fine spray. Where large areas are to be treated, low volumes are preferred. DO NOT USE A FINE SPRAY UNDER CONDITIONS WHERE DRIFT IS LIKELY TO OCCUR.

Handlance Application

Weeds should be sprayed until just before run off occurs.

Ropewick application

Under certain conditions application using a Ropewick applicator to actively growing nettle and docks before flower bud stage may be preferred although weed control is unlikely to be as effective as a sprayer application.

Rate of use:

Tractor mounted: 1 part GREENGARD with 3 parts water

Hand-held: 1 part GREENGARD with 8 parts water

Thoroughly mix product in water and allow wick to become completely wet before commencing application. Weed control will only be achieved where weeds are smeared by the wick applicator, therefore ensure wick is at a height where it will touch the weeds but not the sward. Make the application in 2 passes going one way then back the other.

Conditions of Supply

All goods supplied by us are of high grade and we believe them to be suitable but as we cannot exercise control over their storage, handling, mixing or use or of the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or resellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use; these conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.