



WARNING / ECOTOXIC
Keep out of reach of children
Read label before use

HORTCARE®

GLYPHOSATE

360

HERBICIDE

A non-residual herbicide for the control of most annual and perennial weeds in agriculture, horticulture, forestry, drains, aquatic areas and a wide range of brush weeds

ACTIVE INGREDIENT: contains 360g/litre glyphosate as the isopropylamine salt in the form of a soluble concentrate


NET CONTENTS: 20 litres ☐ 200 litres ☐ 1000 litres ☐

GSHG598/F2

Grosafe®

HORTCARE® GLYPHOSATE 360

Active ingredient: Contains 360g/litre glyphosate as the isopropylamine sat in the form of a soluble concentrate.



HSNO HAZARD CLASSIFICATION: 6.3B, 6.4A,9.1B

WARNING: Causes serious eye irritation. Mild skin irritant.

ENVIRONMENT: Toxic to aquatic life with long lasting effects. Toxic to plants: Handle and apply with care, spray drift may cause severe damage to other desirable plants. Do not apply directly into or onto water. Follow label instructions. Avoid contamination of any water supply with product or empty container.

PERSONAL PROTECTION: When mixing or loading wear overalls, impervious gloves and eye/ face protection. Wash hands and exposed skin after work.

STORAGE: Store in original container tightly closed and in a secure, dry, cool, well ventilated area, away from foodstuffs. Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals. Stores containing more than 1000 L are subject to requirements for signage, secondary containment and emergency response plans. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact the proprietor for further information about the use of this product if it is older than this.

SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain and absorb with suitable inert absorbent material and store in properly labelled, sealed drums for safe disposal. If spray mixture is spilled absorb and collect in drums as above. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

PRODUCT DISPOSAL: If possible dispose of by using according to the label, otherwise dispose of in an approved landfill or bury below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.

CONTAINER DISPOSAL: Triple rinse container and add residue to mixture. If circumstances, especially wind direction, permit the empty containers may be burned, otherwise bury in a suitable land fill or dispose in an agricultural recycling scheme.

ENVIRONMENT: Toxic to plants: Handle and apply with care, spray drift may cause severe damage to other desirable plants.Toxic to aquatic organisms; avoid contamination of any water supply with product or empty container.

SAFETY DATA SHEET: A safety data sheet is available from Grosafe Chemicals Ltd.

FIRST AID: If swallowed, rinse mouth but do NOT induce vomiting. If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention. If on skin, remove contaminated clothing immediately. Wash skin immediately with plenty of soap and water. In case of inhalation of spray remove to fresh air and keep in position comfortable for breathing. For advice call a doctor or the National Poisons Centre (0800 764 766)

EMERGENCY RESPONSE 0800 CHEMCALL (0800 243 622)

GENERAL INSTRUCTIONS:

1. Hortcare® Glyphosate 360 is a foliar absorbed and translocated herbicide for control of emerged weeds only and is not residual.
2. Hortcare® Glyphosate 360 can be deactivated by soil particles and hard water containing calcium salts. If hard water cannot be avoided, the addition of Hybrid SB® is recommended.
3. Plants should be actively growing, free of stress with clean foliage at time of spraying. Hortcare® Glyphosate 360 and solutions should only be mixed, contained in or sprayed by equipment made from stainless steel, fibreglass, plastic, aluminium, brass and copper.

WARNING: A highly flammable gas may be formed from the contact of this product with galvanised or unlined steel. The effects of Hortcare® Glyphosate 360 may not be apparent for 3 - 7 days depending on the weather conditions, weed species and the herbicide rate used. Some perennial weeds may not show effects for 14 - 21 days

RESTRICTIONS:

- Do not spray if rain is likely within 6 hours. Do not allow spray contact with non target plants as severe injury may occur.
1. Clean spray tank of previous chemical residues, preferably with a chemical residue remover.
 2. Half fill spray tank with clean water, add required amount of Hortcare® Glyphosate 360 then fill with clean water.
 3. Add surfactant (where required).
 4. Agitate well before spraying.
 5. When tank mixing with other chemicals, add Hortcare® Glyphosate 360 after other water soluble products, but before flowables eg. Flowable Simazine.

APPLICATION:

Boom equipment:

Hortcare® Glyphosate 360 can be applied in spray volumes of up to 200 litres per hectare using fan nozzles at pressures in the range of 240 - 280 kPa. Boom height should be set so a double overlap of nozzle pattern is achieved at the top of the target plants.

Aerial equipment:

(Forest and non crop areas only) Hortcare® Glyphosate 360 can be applied by aircraft in spray volumes of up to 100 litres per hectare. Increase spray volumes in hilly terrain to ensure maximum target contact. DO NOT use in intensive horticultural cropping areas.

Handgun and Knapsack:

Ensure a fine spray pattern to give complete coverage.

Wiper equipment:

Mix only enough for immediate use. Plants must be clean and dry and the wiper fully saturated. Apply up and down slopes for effective applications. In case of high weed density, reduce speed and apply twice in opposing directions.

CLEANING EQUIPMENT:

All spray equipment including pumps, spray tanks, lines and nozzles, landing gear (aircraft) should be thoroughly washed with water after each day of spraying.

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.

SITUATION	CROP	COMMENTS
Drains and waterways		1. Do not spray until 75% of the weed is above water level. 2. Do not allow submergence for 6 hours post spraying
Forestry		1. For rates for weeds see Weed Table. 2. Do not allow spray contact with established trees.
Industrial		1. Treat weeds as per Weed Table
Market Gardens	All vegetables	1. For best results do not disturb weeds by grazing or cultivation for 1 day post spraying of annual weeds and 10 days post spraying of perennial weeds. 2. Cultivate within 21 days of spraying to ensure control. 3. Do not sow until a satisfactory seed bed has been prepared. 4. An appropriate residual herbicide can be used as a tank mix with Hortcare® Glyphosate 360
Minimum Tillage	Cereal, pasture and leguminous crops	1. For best results do not disturb weeds by grazing or cultivation for 1 day post spraying of annual weeds and 10 days post spraying of perennial weeds. 2. To ensure control and avoid respraying newly germinated weeds, work sprayed area by full cultivation or the seeding operation within 3 weeks of spraying. 3. Do not sow until a satisfactory seed bed has been prepared. 4. For improved control of White Clover tank mix with dicamba 20%ai at 1,5 litres/ha. Observe plant back periods of dicamba for respective crop.
Orchards and vineyards	Apple, citrus, grapevines, kiwifruit, pear and stonefruit	1. Use a directed or shielded spray. 2. DO NOT let spray contact any green foliage or new growth. 3. Spray before bloom stage of crop. 4. Hortcare® Glyphosate 360 can be tank-mixed with an appropriate herbicide for residual control.
Pre-harvest	Wheat, barley, oats and threshing peas	1. Spray 7–12 days pre-harvest. 2. Grain moisture should be below 30%. 3. Witholding period: 7 days. 4. Do not spray seed crops. 5. Do not spray undersown crop.
Recreational areas	Lawns, ornamentals, parks and reserves.	1. Established plants: Use a directed or shielded spray or with a wiper around plants avoiding any spray contact on green or growing points of plant.

WEED CONTROLLED	RATE/HECTARE	COMMENTS
Annual weeds: Amaranth~ Barley Grass, Capeweed, Cleavers, Volunteer Cereals, Spiny Emex, Storksbills, Fumitory, Mintweed, Patersons Curse, Prairie Grass, Ryegrass, Saffron Thistle. Vulpia Hairgrass, Sub. Clover, Wild Mustard, Wild Turnip	1.0 - 2.0 litres Handgun: 200 ml/100 litres. Knapsack: 20 ml /10 litres Wiper 33% solution	1. Use the high rate on weeds greater than 14cm across or 14cm high.
Australian Sedge	6.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Best results when sprayed in Summer. 2. Do not disturb for 4 weeks post treatment. 3. Wiper: 33% solution.
Barberry	Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Best results when sprayed mid to late Summer after flowering to full fruit.
Blackberry	9.0 - 20.0 litres Handgun: 1.0 - 1.5 litres/100 litres Knapsack: 100 ml/10 litres	1. Best results when sprayed mid to late summer after flowering to full fruit. 2. Best results when plants have a full canopy and total leaf coverage achieved. 3. Use higher rate on heavy infestations where total coverage may not be achieved. 4. Regrowth can occur after 1-2 years. 5. Do not disturb treated plants until 8 weeks post treatment.
Bracken	9.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Spray mid Summer to mid Winter when fronds are open. 2. Burning after treatment will help pasture establishment. 3. The addition of Force® Penetrant at 250ml/100 litres is recommended.
Broom	As above	1. Spray late Spring to early Summer when plants are in full leaf. 2. The addition of Force® Penetrant at 250ml/100 litres is recommended.
Brown Top	3.0 litres Handgun: 0.5 litre/100 litres Knapsack: 50 ml/10 litres	1. If plants are greater than 10cm high, graze or burn then treat regrowth. 2. The addition of Force® Penetrant is recommended at 200ml/100 litres.
Buddleja	1.0 - 3.0 litres Handgun: 300ml/100 litres Knapsack: 30 ml/10 litres	If actively growing treat at any time of year. Aerial: treat Feb. to April.
California Thistle	4.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Spray plants after flower bud stage. 2. Improved results obtained when thistles are mowed 10 days post spraying.

WEED CONTROLLED	RATE/HECTARE	COMMENTS
Couch	3.0 - 6.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Spray at early seedhead stage when plants are actively growing. 2. Use the low rate for suppression only. 3. Pre-harvest: Use 4.0 litres/ha. Hortcare® Glyphosate 360 will not control unemerged growth.
Dock	1.0 - 3.0 litres Handgun: 300 ml/100 litres Knapsack: 30 ml/10 litres	1. Best results when sprayed Spring Summer before seed heads have formed.
Floating Sweet Grass, Reed Sweet Grass	6.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Best results when sprayed in Summer. 2. Do not disturb for 4 weeks post treatment. 3. Wiper: 33% solution.
Gorse	Handgun Only: 1.0 litre/100 litres	1. Use Force® Penetrant at 200ml/100 litres. 2. Spray when plants are at early seedhead. 3. Ensure complete coverage. 4. Regrowth may occur after 1 year. Re-treat if required.
Indian Doab, Mercer Grass (Aquatic)	9.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Best results when plants are in the early seedhead stage.
Johnson Grass, Kikuyu, Mercer Grass (Non-Aquatic)	6.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Best results when plants are in the early seedhead stage.
Nodding Thistle	Wiper Only: 33% solution	1. A double pass may be required for good coverage. 2. Spray Spring to Autumn on actively growing plants with at least 10cm of growth exposed to wiper.
Old Mans Beard	Handgun: 1.0 - 2.0 litres/100 litres Knapsack: 200 ml/10 litres	1. Apply before the first leaf browns off. 2. Use the higher rate on plants with stems greater than 1cm in diameter. 3. If complete coverage is not possible, cut plants in the winter and treat at the high rate when regrowth is at 0.5 - 1 cm in length.
Pampas Grass, Toetoe	Handgun: 1.0 - 2.0 litres/100 litres Knapsack: 200 ml/10 litres	1. Spray Spring to Autumn. 2. Do not spray flowering plants.
Paspalum	4.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Spray when plants are at early seedhead.


WEED CONTROLLED	RATE/HECTARE	COMMENTS
Potato (self set)	9.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	
Ragwort	6.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Ensure adequate leaf area for spray uptake. 2. Wiper: Plants should be above pasture to avoid non target contact. Use a double pass for best results. 3. Plants become more palatable to stock after treatment so remove until brownout occurs.
Ratstail	As above	1. Use high water volumes (200 litres/ha) in Autumn when foliage is green. 2. Do not disturb treated plants for 21 days post spraying.
Rautahi (Cutty Grass), Rushes, Tall Fescue	As above	1. Spray Jan - March. 2. Do not burn or slash for 4 weeks post spraying.
Ring Fern	1.0 - 3.0 litres Handgun: 300 ml/100litres Knapsack: 30 ml/10 litres	1. Use the high rate for control. 2. Use 1.0 - 2.0 litres/ha for Pasture Manipulation.
Ryegrass (Perennial)	1.5 - 3.0 litres	1. Use the low rate only when cultivation is to follow treatment. 2. Use Force® Penetrant at 200ml/100litres and if spray water is alkaline also add Hybrid SB®
Willow	9.0 litres Handgun: 1.0 litre/100 litres Knapsack: 100 ml/10 litres	1. Spray to ensure good leaf coverage from mid to late Summer.
Yarrow	3.0 - 6.0 litres	1. For best results cultivation should follow treatment. 2. Only use the low rate when a competitive crop is planted after treatment.

Registered pursuant to the ACVM Act 1997, No P8519. See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to HSNO Act 1996, HSR 101010. See www.epa.govt.nz for approval conditions.


WARRANTY: This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.


Registered and distributed by:



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BATCH NO: **DATE OF MANUFACTURE:**





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