



WARNING, ECOTOXIC
Keep out of reach of children

HORTCARE®

GLYPHOSATE 360

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

G5HG000/F04

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HORTCARE®
GLYPHOSATE 360
NET CONTENTS: 20L

Grosafe®

HORTCARE® GLYPHOSATE 360

PEEL HERE



HAZARD CLASSIFICATION: Eye irritation Category 2, Hazardous to the aquatic environment (chronic) Category 2

TOXICITY

WARNING: Causes serious eye irritation.

ECOTOXICITY:

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. Follow label instructions.

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 an emergency response plan.

When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact the supplier for further information about the use of this product if it is older than this.

SPILLS: 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.

DISPOSAL: Avoid contamination of any water supply with product or empty container.

PRODUCT DISPOSAL: If possible dispose of by using according to the label, otherwise dispose of in an approved landfill.

CONTAINER DISPOSAL: Triple rinse container and add residue to mixture. Recycle rinsed container through Agrecovery (www.agrecovery.co.nz) otherwise crush and dispose of in a suitable landfill.

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

FIRST AID:

For advice call a doctor or the National Poisons Centre (0800 764 766). If medical advice is required, have product label or container at hand.

IF SWALLOWED: Rinse mouth. 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 with plenty of soap and water. **IF INHALED:** Remove person to fresh air and keep in position comfortable for breathing.

EMERGENCY RESPONSE 0800 CHEMCALL: (0800 243 622)

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 to and distributed by:

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Email: info@grosafe.co.nz
www.grosafe.co.nz

Batch No:

Date of Manufacture:



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 Primabuff BB5 is recommended.
3. Plants should be actively growing, free of stress with clean foliage at time of spraying.
4. **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.

DIRECTIONS FOR USE

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.

Withholding period

Wheat, barley, oat grain - 7 days

SITUATION	CROP	COMMENTS
Drains and waterways		Do not spray until 75% of the weed is above water level. Do not allow submergence for 6 hours post spraying
Forestry For control of all listed weeds prior to planting offorest or nurse ry or around established trees.		For rates for weeds see Weed Table. Do not allow spray contact with established trees.
Industrial As a knock down or selective in spot spraying.		Treat weeds as per Weed Table
Market Gardens As a knock down prior to seeding, transplanting and after harvest clean-up.	All vegetables	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. Cultivate within 21 days of spraying to ensure control. Do not sow until a satisfactory seed bed has been prepared. An appropriate residual herbicide can be used as a tank mix with Hortcare® Glyphosate 360
Minimum Tillage For total weed control prior to seeding.	Cereal, pasture and Leguminous crops	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. To ensure control and avoid respraying newly germinated weeds, work sprayed area by full cultivation or the seeding operation within 3 weeks of spraying. Do not sow until a satisfactory seed bed has been prepared. 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 As a knockdown prior to establishment or where plants are 3 years old or over	Apple, Citrus, Grapevines, Kiwifruit, Pear and Stonefruit	Use a directed or shielded spray. DO NOT let spray contact any green foliage or new growth. Spray before bloom stage of crop. Hortcare® Glyphosate 360 can be tank-mixed with an appropriate herbicide for residual control.
Pre-harvest Weed Control For control of emerged weeds and as a clean-up to enhance harvesting.	Wheat, Barley, Oats	Spray 7 - 12 days pre-harvest Do NOT use pre-harvest desiccant. Use for weed control only. Do not apply more than 4L/ha. Grain moisture should be below 30%. Do not spray seed crops. Do not spray under sown crop.
Recreational areas For weed control prior to establishment and as a clean-up around established areas.	Lawns, Ornamentals, Parks and Reserves	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- 2 litres Handgun: 200 m1/100 litres. Knapsack: 20 ml /10 litres Wiper 33% solution	Use the high rate on weeds greater than 14cm across or 14cm high.
Australian Sedge	6 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Best results when sprayed in Summer. Do not disturb for 4 weeks post treatment. Wiper: 33% solution.
Barberry	Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Best results when sprayed mid to late Summer after flowering to full fruit.
Blackberry	9 - 20 litres Handgun: 1 - 1.5 litres/100 litres Knapsack: 100 ml/10 litres	Best results when sprayed mid to late summer after flowering to full fruit. Best results when plants have a full canopy and total leaf coverage achieved. Use higher rate on heavy infestations where total coverage may not be achieved. Regrowth can occur after 1-2 years. Do not disturb treated plants until 8 weeks post treatment.
Bracken	9 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Spray mid Summer to mid Winter when fronds are open. Burning after treatment will help pasture establishment. The addition of Force® Penetrant at 250ml/100 litres is recommended.
Broom	As above	Spray late Spring to early Summer when plants are in full leaf. The addition of Force® Penetrant at 250ml/100 litres is recommended.
Brown Top	3 litres Handgun: 0.5 litre/100 litres Knapsack: 50 ml/10 litres	If plants are greater than 10cm high, graze or burn then treat regrowth. The addition of Force® Penetrant is recommended at 200ml/100 litres.
Buddleja	1 - 3 litres Handgun: 300ml/100 litres Knapsack: 30 ml/10 litres	If actively growing treat at any time of year. Aerial: treat Feb. to April.
Californian Thistle	4 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Spray plants after flower bud stage. Improved results obtained when thistles are mowed 10 days post spraying.

WEED CONTROLLED	RATE/HECTARE	COMMENTS
Couch	3 - 6 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Spray at early seedhead stage when plants are actively growing. Use the low rate for suppression only. Pre-harvest: Use 4 litres/ha. Hortcare® Glyphosate 360 will not control unemerged growth.
Dock	1 - 3 litres Handgun: 300 ml/100 litres Knapsack: 30 ml/10 litres	Best results when sprayed Spring Summer before seed heads have formed.
Floating Sweet Grass, Reed Sweet Grass	6 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Best results when sprayed in Summer. Do not disturb for 4 weeks post treatment. Wiper: 33% solution.
Gorse	Handgun Only: 1 litre/100 litres	Use Force® Penetrant at 200ml/100 litres. Spray when plants are at early seedhead. Ensure complete coverage. Regrowth may occur after 1 year. Re-treat if required.
Indian Doab, Mercer Grass (Aquatic)	9 litres Handgun: 1litre/100 litres Knapsack: 100 ml/10 litres	Best results when plants are in the early seedhead stage.
Johnson Grass, Kikuyu, Mercer Grass (Non-Aquatic)	6 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Best results when plants are in the early seedhead stage.
Nodding Thistle	Wiper Only: 33% solution	A double pass may be required for good coverage. Spray Spring to Autumn on actively growing plants with at least 10cm of growth exposed to wiper.
Old Mans Beard	Handgun: 1 - 2 litres/100 litres Knapsack: 200 ml/10 litres	Apply before the first leaf browns off. Use the higher rate on plants with stems greater than 1 cm in diameter. 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 - 2 litres/100 litres Knapsack: 200 ml/10 litres	Spray Spring to Autumn. Do not spray flowering plants.
Paspalum	4 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Spray when plants are at early seedhead.

WEED CONTROLLED	RATE/HECTARE	COMMENTS
Potato (self set)	9 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	
Ragwort	6 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Ensure adequate leaf area for spray uptake. Wiper: Plants should be above pasture to avoid non target contact. Use a double pass for best results. Plants become more palatable to stock after treatment so remove until brownout occurs.
Ratstail	As above	Use high water volumes (200 litres/ha) in Autumn when foliage is green. Do not disturb treated plants for 21 days post spraying.
Rautahi (Cutty Grass), Rushes, Tall Fescue	As above	Spray Jan - March. Do not burn or slash for 4 weeks post spraying.
Ring Fern	1 - 3 litres Handgun: 300 ml/100litres Knapsack: 30 ml/10 litres	Use the high rate for control. Use 1 - 2 litres/ha for Pasture Manipulation.
Ryegrass (Perennial)	1.5 - 3 litres	Use the low rate only when cultivation is to follow treatment. Use Triton x45 at 200ml/100litres
Willow	9 litres Handgun: 1 litre/100 litres Knapsack: 100 ml/10 litres	Spray to ensure good leaf coverage from mid to late Summer.
Yarrow	3 - 6 litres	For best results cultivation should follow treatment. Only use the low rate when a competitive crop is planted after treatment.