

WEED WEAPON

GLYPHOSATE 510

A non-selective, general-purpose, post-emergent herbicide for the control of a large range of annual and perennial weeds on non-productive and forestry land.

Active Ingredient: 510 g/litre GLYPHOSATE as the isopropylamine salt in the form of a soluble concentrate. Group **09** Herbicide

HSNO Approval Code: HSR000133

HAZARD (GHS) Classification: Skin Irritant 2. Aquatic Chronic 2.

ACVM Registered: Registered pursuant to the ACVM Act 1997, P010116.

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



OUR PERSONAL GUARANTEE

1000 L

READ LABEL BEFORE USE

WARNING: Toxic to aquatic life with long lasting effects.

May cause skin irritation, wash exposed skin after use. Avoid inhalation of mist or spray. Wear eye protection and disposable overalls or long-sleeved top, long trousers and closed in work shoes. Wash contaminated clothing before re-use. Store work clothing separately. Do not eat, drink, or smoke while using.

FIRST AID: This product may cause skin irritation. Good hygiene should be practiced. Wash any exposed skin with soap and water after use and before eating or smoking.

If swallowed do not induce vomiting and give one or two glasses of water. If feeling unwell, contact the National Poisons Centre (0800 764 766).

SPILLAGE: Do not walk-through spilled material. Wear the PPE recommended above. Stop leak when safe to do so. Bund area using soil or spill kit. Minimise risk of product entering waterways, drains or stormwater.

SMALL SPILLS/LEAKS: Absorb with material such as sand, soil, or sawdust. Collect spilled product and place in sealable container for disposal. Spill residues may be cleaned using water and detergent. Absorb and collect washings and place in a container for disposal.

LARGE SPILLS/LEAKS: Prevent further dispersion, dike the area of large spills, and report them to 0800 CHEMCALL, or 0800 243 622 and local or Regional Council. Where appropriate, and suitable equipment is available, clean-up as described for small leaks/spills.

In case of a transport emergency call 111, Police or Fire Brigade.

Seek advice from the SDS or product label regarding disposal.

RESISTANCE MANAGEMENT: WEED WEAPON GLYPHOSATE 510 contains a glycine herbicide (Group 09). Some naturally occurring individual weeds may be resistant to these herbicides. In these cases, herbicides from a different Group should be used to kill the weed. It is good practice to rotate herbicides from different classes if repeatedly spraying the same area.

Since the occurrence of resistant weeds is difficult to detect prior to use, Kiwicare accepts no liability for any losses that may result from the failure of WEED WEAPON GLYPHOSATE 510 herbicide to control resistant weeds.

NON-SELECTIVE HERBICIDE: VERY TOXIC TO PLANT SPECIES. Non-target plants may be damaged or killed by contact with this product. Do not allow drift outside the target area to occur. If product contacts desirable plants wash immediately with water.

USE RESTRICTIONS:

DO NOT allow spray drift outside the target area.

This product must be under the control of a Certified Handler or other qualified operator when applied using other than hand-held equipment. Refer Hazardous Substances (Hazard Properties Controls) Notice for details.

DIRECTIONS FOR USE: WEED WEAPON GLYPHOSATE 510 is a non-selective, systemic herbicide with no soil or residual activity. Effects may take 3-7 days (14-21 for some perennial weeds) depending on weather conditions. Efficacy may be reduced by using dirty water (e.g., from ponds).

WEED WEAPON GLYPHOSATE 510 may be used for the control of weeds on the banks of waterways. It is recommended that a knapsack sprayer or weed wick/wiper be used to apply the herbicide in these situations. Apply using properly maintained equipment in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

Best results are achieved when weeds are actively growing through spring until early summer and again in autumn. Rainfall within 2 hours of application may reduce effectiveness, do not apply to wet plants.

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

Poisonous plants, such as ragwort, may become more palatable to stock after spraying, and livestock should be kept away until plants have died down. Otherwise, withholding is not required for stock grazing. However, it is recommended that grazing is delayed for 3 days for annual weeds, and 7 days for perennial weeds. This will allow WEED WEAPON GLYPHOSATE 510 to penetrate the weeds for maximum effectiveness.

APPLICATION METHODS: WEED WEAPON GLYPHOSATE 510 must only be used in equipment made of stainless steel, fibreglass, plastic, aluminium, brass, or copper. Do NOT store in mild or galvanised steel vessels or drums.

Boom Equipment: WEED WEAPON GLYPHOSATE 510 may be applied in spray volumes up to 200-litres water per hectare using fan nozzles at pressure of 200 - 280 kPa. Boom height should be set so that double overlap is achieved at the top of any target plants.

Aerial Equipment: Application should be made to forestry and non-crop areas only. WEED WEAPON GLYPHOSATE 510 can be applied in spray volumes up to 100-litres water per hectare. Increase the spray volume in hilly areas to maximise target contact.

Handgun and Knapsack: Ensure a fine spray and ensure complete coverage. For handgun use pressures of 1000 - 2000kPa and No. 4 to No. 6 spray tips.

Wiper Equipment: Mix only enough for immediate use. Mix 1 part WEED WEAPON GLYPHOSATE 510 to 3 parts clean water. Plants must be clean and dry and fully saturated. Apply up and down slopes for effective application. For high density weed, reduce speed, and apply twice in opposing directions.

Mistblower: Refer table.

WEED CONTROL NOTES

Agricultural Areas: May be used for the control of annual and perennial weeds as indicated in the Weeds Controlled Table prior to sowing any crop.

Asparagus: Pre-crop emergence and post-harvest applications. Apply prior to planting or crop emergence. Do not treat emerging spears. Application can also be made after removal of all spears but before crop regrowth occurs. In established ferns, apply as a directed or shielded spray or with wiper equipment. Do not allow spray, spray drift or the wiper surface to contact any part of the asparagus plant. Broad-acre Crops: Wheat, barley, oats, and threshing peas. Can be used to control weeds prior to cultivation or prior to harvest. Spray 7-12 days prior to harvest when the grain moisture is less than 30%. Do not harvest within 7 days after spraying. Do not spray undersown crops. Do not spray crops that will be harvested for seed. Apply 7-14 days prior to harvest when the pods have dried. Avoid treating plants under drought stress.

Brushweeds: Refer to table. The use of a surfactant is recommended.

Drains and Waterways: For best results ensure that 75% of the weed to be sprayed is above water level. Avoid treating silt-laden weeds. Following spraying do not submerge the weed, as this will cause the herbicide to be washed off.

Forestry: For the control of grasses and weeds as listed in the table. Can be applied for weed control prior to burning or planting of forest or nursery or around already established trees. Do not allow spray drift or spray contact with foliage or green bark of desirable trees.

Market Gardens: Apply before or after seeding but prior to crop emergence. Spraying can also be made prior to transplanting or as a post-harvest clean up.

Minimum Tillage: For total weed control prior to seeding in a reduced tillage system. Weeds should be actively growing and not under stress from frost, drought, or waterlogging.

Consult partner product label for further directions. Cultivation may start from 3 days after spraying annual weeds, and 7 days after spraying perennial weeds. Cultivation should occur within 21 days after spraying. Do not sow until a satisfactory seedbed is formed.

Non-Agricultural Areas: Treat specific problem weeds as indicated in the Weeds Controlled Table.

Orchards/Vines: Crops: citrus, apple, pear, stonefruit, kiwifruit, grapes.

Apply as a directed or shielded spray. Do not apply near unprotected trees less than 3 years old. Do not allow spray or spray drift to contact any part of the stonefruit tree, or green bark, suckers, buds, foliage, or fruit of other trees. Spray before crops bud, sucker or bloom.

Pasture: May be applied as a spot application to control a wide range of weeds in pasture. It is nonselective and may damage or kill any plant in the spray area.

Recreational Areas: Lawns, turf, parks, reserves, and ornamentals. Apply before the sowing and planting of these areas or use as a spot application. In mown areas, allow sufficient regrowth before spraying. Can also be sprayed around the base of established trees or shrubs, as a directed or shielded spray. Avoid contact with any part of the shrub or tree.

SITUATIONS FOR USE:

WEED WEAPON GLYPHOSATE 510 may be used on agricultural and industrial land. WEED WEAPON GLYPHOSATE 510 may be used to control weeds prior to planting. WEED WEAPON GLYPHOSATE 510 may be used to control weeds in waterways and in recreational areas (lawns, parks, and reserves), and around ornamentals.

TARGET WEEDS:

Weeds controlled include:	Rate				Comments
	Boom/aerial (L/ha)	Handgun (ml/100-L)	Knapsack (ml/15-L)	Mistblower (ml/10-L)	
Annual weeds	0.7 - 1.4	140	20	40	Use high rate for larger weeds.
Australian sedge	4.2 - 6.3	700	105	210	Apply Nov to Mar. Burn or slash from 30 days after treatment.
Barberry	-	700	105	210	Apply from flowering to late fruit stage (January - April). Regrowth should be 1.5m tall before spraying is carried out.
Barley grass	0.7	140	20	40	Apply when plants are at early seed head stage (September-December)
Blackberry	6.3 - 14.0	1060	105	210	Apply from flowering - fruiting stage (December - April), before frosts occur. For hard to kill blackberry, aerial application, or no follow-up action planned, use the higher rate. Allow 6-10 weeks before slashing or burning.
Boxthorn	-	80	105	-	Apply to actively growing plants (November-April). Ensure complete coverage of dense thickets. Do not use extra surfactant or treat salt damaged bushes.
Bracken/Broom	6.3 (with wetter/sticker)	700 (with wetter/sticker)	105 (with wetter/sticker)	210 (with wetter/sticker)	Use with WEED WEAPON Coverage (or similar surfactant). Apply after bracken fronds have unfurled (mid - Jan - Jun), but before frosts occur. For ground application to broom anytime, but for aerial application when broom is in full leaf.

Weeds controlled include:	Rate				Comments
	Boom/aerial (L/ha)	Handgun (ml/100-L)	Knapsack (ml/15-L)	Mistblower (ml/10-L)	
Browntop	2.1	500	75	210	Apply when plants are 5-10cm high. For taller plants, graze or burn and allow regrowth of 5-10 cm height before treatment.
Buddleia	6.3	700	105	-	Apply using handgun anytime. Aerial-treat buddleia up to 2 meters high (February-April) using spray volume of 200-300 litres/ha.
Californian thistle	2.8	700	105	210	Spray after the development of flower buds but before autumn browsing. Mowing 10 days after treatment may improve control. Re-treatment the following summer may be required.
Cleavers	1	350	50	105	Spray actively growing plants after most reach early seedhead. Spraying plants under drought stress may give reduced results.
Couch	2.4 - 4.2	700	105	210	For best results apply 4-6 litres/ha in autumn to actively growing plants at least 10cm high. For suppression apply 3 litres/ha in spring and again in autumn.
Docks	2.8 - 6.3	700	105	-	Spray plants in spring or summer when actively growing and before seedheads have formed. Use the lower rate for seedlings and the higher rate for mature plants. In pasture situations boom spray prior to reseeding or establishing crops to restrict seedling reestablishment.
Floating sweet grass.	4.2	700	105	210	Spray actively growing and unstressed plants. On dense infestations it may be necessary to cut sprayed plants and then spray re-growth.
Gorse	-	700	-	-	Apply anytime other than when plants are stressed (i.e., in drought). Ensure complete coverage.
Indian doab	6.3	700	105	-	Apply at early seedhead stage before frosts occurs.
Johnson grass	4.2	700	105	-	Apply to actively growing plants.
Kikuyu/Mercer grass	4.2	700	105	210	Apply at early seedhead stage. On dense infestations, cut and spray the regrowth.
Nodding thistle	-	700	105	-	Ensure plants are actively growing (Oct-Apr) and at least 10 cm high.
Old Man's Beard	3.5	700 - 1400	210	-	Apply Nov-March prior to first leaf browning. Use higher rates on stems over 1cm in diameter. If complete coverage is not possible plants should be cut at ground level in winter and the regrowth sprayed with the higher rate when plants are at least 50cm long (March).
Pampas grass, Toetoe	-	700	105	-	Spray Spring-Autumn. Reduced control may result if plants are in flower at the time of spraying. Ensure complete coverage.
Paspalum	2.8 - 4.2	700	105	210	Spray at low rate if plants are at early seedhead stage. Use 4.2l/ha on mature vegetative plants, before onset of frosts.
Potato (self-set)	2.1	350	55	105	Spray actively growing plants after most reach early seedhead.
Prairie grass	1	140	20	-	Apply at early seedhead stage.
Ragwort	4.2	700	105	-	Apply to actively growing plants with sufficient leaf area for uptake.
Ratstail	3.5	700	105	-	Apply at a spray volume of 135l/ha in autumn. In dry conditions, delay spraying until sufficient green foliage is present.
Rautahi (cuttygrass)	4.2	700	105	210	Apply to actively growing plants (Jan-Mar). Burning or slashing may take place after plants have browned out, usually 30 days after application.
Rushes	4.2	700	105	210	Wiper application should be carried out between Nov-May. Burning or slashing may take place after plants have browned out, usually 30 days after application.
Ring fern	0.7 - 2.1	210	35	-	For effective control, apply 2.1l/ha. For pasture manipulation, apply 0.7-1.4l/ha from Dec-April. Use higher rates for dense infestations. Burn 4-6 weeks after treatment.
Ryegrass (annual, Italian short rotation hybrids established < 8 months)	21-28 + 100ml/100L wetter/sticker	700 + 100ml/100L wetter/sticker	105 + 15ml/100L wetter/sticker	210 + 10ml/100L wetter/sticker	Use with WEED WEAPON Coverage (or similar surfactant). Apply when weeds are actively growing and 3-10cm tall. The higher rate may be necessary that reflects the weed spectrum present.
Ryegrass (annual, Italian short rotation hybrids established > 8 months)	2.8 + 100ml/100L wetter/sticker	700 + 100ml/100L wetter/sticker	105 + 15ml/100L wetter/sticker	210 + 10ml/100L wetter/sticker	
Sweet brier	8.5 (with wetter/sticker)	700 (with wetter/sticker)	105 (with wetter/sticker)	210	Use with WEED WEAPON Coverage (or similar surfactant). Spray when plant is in late flowering to early leaf yellowing stage. Ensure complete coverage.
Tall fescue	4.2	700	-	-	Apply Jan-Mar to active growth.
Willow	6.3	700	-	-	Apply Jan-Apr before leaf-fall begins. Total coverage is essential for good control.
Yarrow	2.1 - 4.2	-	-	-	Apply to plants with 5-10cm of leaf. For best results cultivate 10 days after treatment. Use the low rate when a crop to be drilled is competitive to yarrow. Use higher rate when it is poor competitor.

MIXING AND COMPATABILITY:

Half fill the spray tank with water. Mix the required quantity in the partly filled spray tank and top up to the desired volume. Maintain agitation through filling. If a surfactant is to be used add this near the end of mixing to avoid foaming. If tank mixing with other herbicides, ensure these are fully dispersed before adding WEED WEAPON GLYPHOSATE 510. Use tank mixes promptly. Where possible avoid the use of hard or dirty water, otherwise add a pH buffer or other adjuvant.

WEED WEAPON GLYPHOSATE 510 is compatible with most common herbicides. WEED WEAPON GLYPHOSATE 510 is compatible with spray marker dyes such as Weed Weapon Red Marker Dye.

CLEANING SPRAY EQUIPMENT:

All equipment exposed to the product (including landing gear on aircraft) must be thoroughly cleaned after use. Always wash tank and flush equipment thoroughly with clean water after use. To avoid subsequent injury to sensitive crops, immediately after spraying thoroughly remove all traces of product from mixing and spraying equipment as follows:

1. Drain tank, then flush tank, booms, and hoses with clean water.
2. Half fill the tank with clean water and add 125g of an alkali detergent per 100 L water. Circulate through the system for at least 15 minutes with agitation then drain.
3. Drain the whole system.
4. Nozzles and filters should be removed and cleaned separately.
5. Finally, rinse tank thoroughly with clean water, flush through hoses and boom and allow to drain.

STORAGE:

Store in original container tightly closed, away from foodstuffs, feed, and clothing. Stores containing more than 1000 litres of product require bunding (secondary containment), signage and an Emergency Management plan. See EPA database and the New Zealand Standard for the Management of Agrichemicals (NZS8409) for further information.

Storage must be generally in accordance with the New Zealand Standard for the Management of Agrichemicals (NZS8409).

CONTAINER DISPOSAL:

Ensure container is completely empty. Triple rinse the empty container with water; dispose of washings by adding to spray tank. Recycle through the Agrecovery programme. If this is not possible, bury in an approved landfill or other approved facility.

Do NOT burn.

Refillable containers 20 litres or larger: Refill the containers with WEED WEAPON GLYPHOSATE 510 herbicide only. Do not reuse this container for any other purpose.

PRODUCT DISPOSAL:

Ensure unwanted product is used by another operator strictly in accordance with label directions or dispose at an approved landfill or other approved facility.

SAFETY DATA SHEET:

If additional hazard or safety information is required, refer to the Safety Data Sheet. For a copy refer to our website www.kiwicare.co.nz/home/commercial-product-safety-data-sheets

RECORD KEEPING:

Records of use, as described in NZS 8409 Management of Agrichemicals, must be kept if 3 litres or more of WW GLYPHOSATE 510 is used within 24 hours, in a place where the substance is likely to enter air or water and leave the application area. Records must be retained for not less than 3 years.

EXCLUSION OF LIABILITY:

This product MUST NOT be used for any purpose or in any manner contrary to the controls and conditions of registration and the details outlined on this label. Any person purchasing, handling, or disposing of this product must be suitably qualified.

Please read these conditions of supply before buying and using. If these conditions are unacceptable, return at once unopened.

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Kiwicare Corporation Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage, or injury whether in contract or tort, whether direct, indirect, or consequential arising in connection with the supply or use of these goods.

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Distributed by: Kiwicare Corporation Ltd, 225 Maces Road, Bromley, CHRISTCHURCH 8062

Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

LIQUID, N.O.S. (glyphosate). Marine pollutant

UN Number: 3082

Class: 9

Packing Group: III

HAZCHEM 2

