

WARNING

KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE

ECOTOXIC

AGPRO Glyphosate 510

NON-SELECTIVE HERBICIDE

*Active Ingredient: 510 g/litre of glyphosate as the isopropylamine salt
in the form of a soluble concentrate.*

A non-selective, non-residual herbicide for control of most annual and perennial grasses and broadleaf weeds.

20L

Registered pursuant to the ACVM Act 1997, No. P7029
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSNO Act 1996,
Approval Code HSR100400
See www.epa.govt.nz for approval controls.

Registered to and distributed by:
AGPRO NZ Ltd
10 Polaris Place, East Tamaki,
Auckland 2013
PO Box 58-963, Botany, Auckland 2163
Ph:09 273 3456 www.agpro.co.nz

AGPRO

HAZARD CLASSIFICATION

Eye irritation Category 2

Hazardous to the aquatic environment
chronic Category 2



HSNO CLASSIFICATION: 6.4A, 9.1B

This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

WARNING

Causes serious eye irritation.

ECOTOXICITY

Toxic to aquatic life with long lasting effects. This product must not be applied directly into or onto water. Avoid contamination of any water supply with product or empty container.

PRECAUTIONS

Non-Selective Herbicide – very toxic to some plant species.

Beware: Spray drift hazard. Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

STORAGE

Store in original container, tightly closed, in a secure, dry, cool and well-ventilated area avoiding direct sunlight and stored away from foodstuffs, fertilisers or seeds. Storage must be in accordance with

NZ Standard for the Management of Agrichemicals (NZS 8409).

Stores containing 1,000 litres or more of **AGPRO Glyphosate 510** require secondary containment, signage and an emergency response plan.

AGPRO Glyphosate 510 should only be stored and applied in plastic or plastic lined containers, aluminium, brass, copper, stainless steel or fibreglass containers. The contact of **AGPRO Glyphosate 510** with unlined or galvanized steel may cause a highly flammable gas to form causing an explosion if ignited by an open flame, etc.

PERSONAL PROTECTION

Avoid contact with eyes and skin and inhalation of spray mist. When mixing or applying this product, overalls, boots, gloves and eye protection should be worn. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

EQUIPMENT

Apply only with appropriate, well-maintained and calibrated equipment in accordance with NZS 8409.

DISPOSAL

PRODUCT DISPOSAL: Dispose of this product only by using according to the label directions or if this is not possible alternatively contact your supplier for advice.

CONTAINER DISPOSAL: Triple rinse container and add rinsate to the spray tank. Recycle clean container at an Agrecovery depot, or puncture and dispose at an approved landfill. Do not

Proper Shipping Name	Class	UN No.	Packing Group	Hazchem
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (contains glyphosate 51%)	9	3082	III	3Z

Batch Number:

Date of Manufacture:



LBL119.1

burn. Do not use container for any other purpose.

FIRST AID

For advice call the National Poisons Centre 0800 POISON (0800 764 766) (24 hours) or a doctor. If medical advice is needed, have product container or label to hand.

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 advice/attention.

IF ON SKIN OR HAIR: Remove contaminated clothing and flush skin with water. If skin irritation occurs, get medical advice. Wash contaminated clothing before re-use.

IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. Call the Poisons Centre or doctor if you feel unwell.

IF INHALED: Move the person to fresh air immediately. Maintain half upright position if breathing is difficult. Carry out artificial respiration if necessary.

EMERGENCY RESPONSE

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

For specialist advice in a chemical emergency call 0800 CHEMCALL (0800 243 622).

SPILLAGE

Exclude non-essential people from the area. Wear protective clothing and prevent chemical from entering waterways. Absorb liquid spills with inert material such as attapulgite, soil, etc and place in a sealed, labelled waste container. Wash area with water and absorb with further inert material. Dispose of safely at an approved landfill.

SAFETY DATA SHEET

Additional information is provided in the safety data sheet. Phone 09 273 3456 or visit www.aqpro.co.nz for a copy.

WITHOLDING PERIOD

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.

There is no withholding period, however avoid grazing weeds after spraying for 3 days if treating annual weeds and 7 - 10 days if treating perennial weeds to allow translocation of the product through the plant.

GENERAL INFORMATION

AGPRO Glyphosate 510 is a non-selective, non-residual herbicide. It is absorbed by plant foliage and green stems and is translocated through the plant from point of contact into the root system. The effects of **AGPRO Glyphosate 510** may not be apparent for 4-7 days depending on weather conditions, weed species and herbicide use rates. Some perennial weeds may not show effects for 10-20 days.

RESISTANT WEEDS WARNING

GROUP	9	HERBICIDE
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AGPRO Glyphosate 510 contains glyphosate as the isopropylamine salt. Glyphosate is a glycine herbicide which works by inhibiting EPSP synthase. Naturally occurring resistant biotypes are known to exist and can become more prevalent after many years of continuous or excessive use of this product. To prevent or delay resistance use **AGPRO Glyphosate 510** in tank mixes as appropriate, and/or in rotation with herbicides that have a different mode of action. Refer to www.resistance.nzpps.org for further resistance management advice.

Compatibility

Compatible with most commonly used herbicides.

RECOMMENDED USES

Agricultural Areas: Used to control a wide range of annual and perennial weeds prior to sowing crops or pasture. See weed control chart.

Asparagus: May be used to control weeds prior to planting or crop emergence and in established plantings provided herbicide contact with any part of the asparagus plant is avoided through the use of

shielding or weed wiping equipment. See weed control chart.

Broad-Acre Crops: Used to control a wide range of weeds prior to cultivation of barley, oats, peas and wheat. For best results do not disturb sprayed weeds by cultivation for 3 days after spraying for annual weeds and 7 days after cultivation for perennial weeds. See weed control chart.

Market Gardens: May be applied to control weeds before or after seeding, but prior to crop emergence. See weed control chart.

Orchards: May be used for weed control in apple, pear, citrus, grape, stone and berryfruit growing provided any herbicide contact with the trees/vines is avoided. See weed control chart.

Pasture: Used as a spot application to control a wide range of weeds. See weed control chart.

Brushweeds: A wide range of brushweeds are controlled by this product. Always use **AGPRO Organosilicone** when treating brushweeds. See weed control chart.

Forestry: May be used to control a wide range of brushweeds and grasses. See weed control chart.

Non-Agricultural Areas: Used to control weeds. See weed control chart.

General Weed Control: Used in a wide range of situations to control weeds. See weed control chart.

Other Uses: May be used as a spot application to control weeds in lawns, parks, reserves and ornaments.

DIRECTIONS FOR USE MIXING

Spray tanks should be free of any previous spray chemicals. A suitable tank cleaning agent is recommended. Half fill spray tank with clean water, add the required amount of **AGPRO Glyphosate 510** then fill with clean water. Add surfactant last. Agitate well before spraying. When tank mixing with other compatible chemicals add **AGPRO Glyphosate 510** after other water soluble products but before flowables.

SURFACTANT ADDITION

The addition of a surfactant is not generally needed with this product except

when the water volumes exceeds 50 litres/ha. In this case add a 100% non-ionic such as **AGPRO Wetter Penetrant**.

APPLICATION

BOOM SPRAY EQUIPMENT: A spray volume of 25-120 litres/ha is recommended. Ensure a double overlap of nozzle patterns at the top of the weed canopy.

AERIAL APPLICATION: AGPRO

Glyphosate 510 may be aerially applied in pasture or fallow situations prior to establishment of field crops or new pasture. Apply in spray volumes of 15-80 litres/ha. Increased spray volumes should be used in difficult situations such as mountainous areas and hilly terrains. This will ensure adequate crop coverage. DO NOT use in intensive horticulture areas.

APPLICATION PROCEDURE IN HOT CONDITIONS

It is recommended that when the temperature reaches 24-26°C, increase water volume to at least 30-35 litres/ha and increase droplet size to at least 300 micron VMD. Aerial application is not recommended in temperatures above 32°C.

CLEANING AND DECONTAMINATION

Take careful precautions with regard to washing all spray equipment after each day of spraying. Spray tanks, pumps, lines and nozzles should be thoroughly rinsed with clean water following application to prevent corrosion. Aircraft should be thoroughly washed, especially landing gear, after each day's spraying.

CONDITIONS OF SALE

As the use of this product is beyond the control of AGPRO NZ Ltd, no warranty expressed or implied, beyond that covered under the Fair Trading Act is given by AGPRO NZ Ltd regarding its suitability, fitness, or efficacy for any purpose for which it is used by the user, whether in accordance with the directions or not. AGPRO NZ Ltd accepts no responsibility for any consequence whatsoever resulting from the use of this product.

WEED CONTROL CHART - APPLICATION RATE

Weeds	Boomspray per ha	Handgun per 100L water	Knapsack per 15L water	Critical Comments
Annual Weeds	700ml - 1.4L	140ml	20ml	Apply at the higher rate for larger weeds. May be tank mixed with simazine 500g/litre for longer term control. Do not spray plants stressed due to low moisture levels, frost, waterlogged or covered with dust.
Australian Sedge	4.2L	700ml	110ml	Apply to actively growing weeds only, usually November to March. For aerial application increase the rate to 6.3L/ha. Dense growth should be burnt 12-18 months prior to application.
Barberry	NA	700ml	110ml	Apply from flowering to late fruit stage, usually January to April. If bushes have been cut, regrowth should reach 1.5 metres before spraying.
Barley Grass	700ml	140ml	20ml	Apply to actively growing weeds only.
Blackberry	6.3L - 14L	700ml - 1.1L	110 - 140ml	Should be applied between January to May i.e. from flowering to leaf fall. See that the plants are not under stress. Use of CDA equipment is not recommended. Complete spraying of foliage cover is essential for total control. Use the higher rate on old, dense infestations over 1.75metres high.
Boxthorn	NA	700ml	110ml	Do not spray in dry conditions. Complete spraying of the foliage is essential for total control. Use of CDA equipment is not recommended.
Bracken	6.3L	700ml	160ml	Bracken should be slashed in the winter or early spring. Then prior to frosts, apply in March to May to actively growing fronds. It may be necessary to repeat treatment in conjunction with pasture improvement for permanent control. Add AGPRO Organosilicone at 250ml per 100L of spray to achieve good control.
Broom	6.3L	700ml	110ml	Best results are obtained when the plant is in full leaf (Late spring to early summer). Add AGPRO Organosilicone at 250ml per 100L of spray to achieve good control.
Browntop	2.1L	500ml	70ml	Apply at early head stage to actively growing plants.
Buddleia	6.3L	700ml	110ml	Apply to actively growing plants. Spray before the seedheads have formed (late spring to early summer) for best results.
Californian Thistles	2.8L	700ml	110ml	Apply to actively growing plants after development of flower buds.
Couch	4.2L	700ml	110ml	Apply to actively growing plants at early seedhead stage.
Dock	2.8 - 6.3L	700ml	110ml	Use the higher rate on larger plants. Apply to actively growing plants in full leaf. Dicamba 20% ai can be added at labels rates to improve control.
Gorse	NA	700ml	NA	Handgun application only. Use AGPRO Organosilicone at 200ml/100L or poor results will occur. Spray plant to ensure complete coverage. Apply at any time of year. Re-treat as required as re-growth may occur after 12 months.
Indian doab	6.3L	700ml	110ml	Apply to actively growing plants at early seedhead stage.
Johnson grass	4.2L	700ml	110ml	Apply at early seedhead stage to actively growing plants.
Kikuyu	4.2L	700ml	110ml	Apply to actively growing plants.
Old Man's Beard	NA	700ml - 1.4L	200ml	Use the higher rate on plants with stem diameters greater than 1cm. If it is not possible to obtain complete coverage, cut the plant in winter and spray when the plant is over 0.5 metres long, use the higher rate. Apply November to March.
Pampas grass / Toetoe	NA	700ml	110ml	Apply Spring to Autumn. Ensure complete coverage of the foliage. Do not spray while the plant is flowering.
Paspalum	4.2L	700ml	110ml	Apply to paspalum at early head stage. Apply to actively growing plants.
Prairie grass	700ml - 1.4L	140ml	20ml	Apply to actively growing plants at seedhead stage.

Weeds	Boomspray per ha	Handgun per 100L water	Knapsack per 15L water	Critical Comments
Ragwort	4.2L	700ml	110ml	Apply to actively growing plants with sufficient leaf area for herbicide uptake. Keep stock out until the plants brownout.
Ring Fern	700ml - 2.1L	210ml	35ml	The higher rate should normally be used for control. Use 700ml - 1.4L/ha only for pasture manipulation, increasing the rate to 2.1L/ha for dense infestations.
Ratstail	3.5L	NA	NA	Apply to actively growing plants at seedhead stage.
Rautahi (cutty grass) & rushes	4.2L	700ml	110ml	Apply to actively growing plants, usually January to March.
Ryegrass	1.1 - 2.1L	350ml	50ml	Use AGPRO Organosilicone at 100ml/100L or poor results will occur. Apply when the plants are actively growing. Use the lower rate from January to July before cultivation and the higher rate from August to December.
Tall Fescue	4.2L	700ml	110ml	Apply to actively growing plants usually January to March.
Willow	6.3L	700ml	NA	Apply to actively growing plants and spray to ensure the foliage is well covered.