

KEEP OUT OF REACH OF CHILDREN
READ THE LABEL COMPLETELY BEFORE MIXING OR APPLYING

KEN-UP

500 FLEXI

HERBICIDE

**ACTIVE INGREDIENT: 500 g/L GLYPHOSATE as the
isopropylamine salt in the form of a soluble concentrate**

A non-selective, non-residual herbicide suitable for general weed control in agriculture, horticulture, forestry and non-cropland areas and drains and aquatic areas.

Registered pursuant of ACVM Act 1997, Approval No. P9123
See www.foodsafety.govt.nz for registration conditions
Approved pursuant to HSNO Act 1996, Approval No. HSR101039
See www.epa.govt.nz for approval conditions

NET CONTENTS: 20L

KEN-UP 500 FLEXI HERBICIDE

APPROVED HANDLER

This product must be under the control of an approved handler when it is applied directly into or over water.

HSNO classification: 6.3B, 8.3A, 9.1B

WARNING: ECOTOXIC

Harmful. May cause skin and eye irritation. Toxic to aquatic organisms.

PRECAUTIONS

STORAGE: Keep out of reach of children. Store in the original, tightly closed container, in a secure place away from feeds, human / animal health products or foodstuffs. Avoid temperatures below -5°C and above 35°C. Storage of certain quantities of this product trigger specific storage requirements (Refer to NZS:8409 Management of Agrichemicals).

PERSONAL PROTECTION

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

FIRST AID

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with water. If skin or hair contact occurs, remove contaminated clothing and wash with running water. For medical advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

SAFETY DATA SHEET

A Safety Data Sheet is available from the Kenso NZ website: www.kenso.co.nz

DISPOSAL

Dispose of this product only by using in accordance with this label, or at an approved landfill, or other approved facility. Triple rinse container and add rinsate to the spray tank. Dispose of container to an approved landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

CONDITIONS OF SALE

Kenso Corporation (M) Sdn. Bhd. will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by Statutes applicable to the sale or supply of these goods. To the extent allowed by such Statutes the liability of Kenso Corporation (M) Sdn. Bhd. is limited to the replacement of the goods or (at the option of Kenso Corporation (M) Sdn. Bhd.) the refund of the price paid and where possible sufficient part of the goods to enable proper examination being returned to Kenso Corporation (M) Sdn. Bhd. within thirty days of delivery.



EMERGENCY RESPONSE
Ring 0800 CHEMCALL, or
0800 243 622 (24 hours)

Product of Malaysia



9 421028 660723



UN NO: 3082

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID N.O.S.

(CONTAINS GLYPHOSATE 50%)

PACKING GROUP III

HAZCHEM 2X



In a transport emergency dial 111, Police or
Fire Service. For specialist advice in emergency
only, call 0800 243 622 (24 hours)

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Kenso Corporation (M) Sdn Bhd
2 Bond Crescent, Forrest Hill,
Auckland 0620 New Zealand
Phone: (09) 410 0861

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USE: Apply with well-maintained and calibrated spray equipment. This product should only be mixed, contained in or sprayed by, equipment made from stainless steel, fibreglass, plastic, aluminium, brass or copper. A highly flammable gas may be formed from the contact of this product with galvanised or unlined steel. All spray equipment, including pumps, spray tanks, lines, nozzles, and landing gear (aircraft) should be thoroughly washed with water after each day of spraying.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with concentrate or empty container. Spray drift or equipment contamination may cause serious damage to desirable plants. Do not allow spray drift outside the target area to occur. If accidental spraying occurs, immediately wash spray off foliage with plenty of water to minimise damage.

Spillage: Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in waste container. Wash area with water, and absorb with further inert material. Dispose of safely to approved landfill.

GENERAL INFORMATION

Ken-Up 500 Flexi Herbicide is a non-selective herbicide for use in agriculture and horticulture.

- Before planting crops and trees
- In pasture renovation and reduced tillage systems
- For pre-harvest weed control
- In vineyards, orchards and market gardens
- On turf and recreational areas
- In drains and waterways

Ken-Up 500 Flexi Herbicide is water soluble and absorbed by green plant tissue and then translocated throughout the plant, including the root system, to kill the entire plant. Plants should be actively growing, and not under drought stress with clean foliage at the time of spraying. The product degrades in the soil and has no residual weed control activity. Do not apply when rain is likely to occur within 6 hours of application. Visible effects may not be apparent for 14 days depending on weather conditions, weed species and rate of application. Some perennial weeds may not show effects for 2-3 weeks.

APPLICATION METHODS

Boom equipment:

Application can be made in spray volumes up to 200 L/ha using fan nozzles at pressures in the range of 200-280 kPa. Boom height should be set so that a double overlap of nozzle pattern is achieved at the top of the target plants.

Aerial equipment:

Applicable to forest and non-crop areas only. Can be applied by aircraft in spray volumes of up to 100 L/ha. Increase spray volumes in hilly terrain to ensure maximum target contact. Do not use in intensive horticultural cropping areas.

DISPOSAL

Dispose of this product only by using in accordance with this label, or at an approved landfill, or other approved facility. Triple rinse container and add rinsate to the spray tank. Dispose of container to an agricultural recycling scheme (Agrecovery) or approved landfill. Do not burn. Do not use container for any other purpose.

FIRST AID

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* Not a trademark of Kenso Corporation (M) Sdn Bhd.

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Batch No. :

Date of Manufacture :

Handgun and Knapsack:

Ensure a fine spray pattern to give complete coverage. For handguns, use pressures of 1,000- 2,000 kPa and No. 4 and No. 6 spray tips.

Wiper Equipment:

Pre-mix 1 part Ken-Up 500 Flexi Herbicide in 2 parts clean water to make a 33% solution. 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.

MIXING:

Fill the clean spray tank with half the required amount of clean water. Add Ken-Up 500 Flexi Herbicide as required and mix well before adding the remaining water. If surfactant is required, add this last to minimise foaming. Agitate well before spraying. When tank-mixing with other chemicals, add Ken-Up 500 Flexi Herbicide after other water-soluble concentrates, but before suspension concentrates, and/or emusifiable concentrates. Soil particles and hard water containing calcium salts will eventually deactivate Ken-Up 500 Flexi Herbicide. If hard water cannot be avoided, the addition of Buffy is recommended.

COMPATIBILITY:

Ken-Up 500 Flexi Herbicide is compatible with commonly used herbicides.

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. For threshing peas: Apply 7-14 days prior to harvest when the pods have dried. Avoid treating plants under drought stress.

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.

Industrial and Non-Agricultural Areas: Treat specific problem weeds as indicated in the Weeds Controlled Table. Do not allow spray drift.

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. For longer term control of seedling weeds it may be tank mixed with an approved residual herbicide in accordance with label recommendations.

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. In pastures where only annual weeds are present use 0.72 L/ha to control seedling annual weeds and 2.2 L/ha to control mature annual weeds. For perennial weeds the higher rate of 2.2 L/ha with the addition of Silken at 200ml/100L is recommended. For the improved control of white clover, tank mix with other non-residual herbicides with activity against Clovers. Cultivation may start from 7 days after spraying perennial and 3 days for annual weeds.

Cultivation should occur within 21 days after spraying. Do not sow until a satisfactory seedbed is formed. **Orchards/Vines:** Crops: citrus, apple, pear, stonefruit, kiwifruit, grapes. Apply as a directed or shielded spray. For long term control of annual weeds Ken-Up 500 Flexi Herbicide may be tank mixed with an approved herbicide for residual control. 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 non-selective 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.

EMERGENCY RESPONSE
Ring 0800 CHEMCALL, or
0800 243 622 (24 hours)



**UN NO : 3082
ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID N.O.S.
(CONTAINS GLYPHOSATE 50%)
PACKAGING GROUP III
HAZCHEM 2X
In a transport emergency dial 111, Police or Fire Service.
For specialist advice in emergency only, call 0800 243 622 (24 hours).**

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residues Limits of Agricultural Compounds) Food Standards.

DIRECTIONS FOR USE

WEEDS CONTROLLED					
WEED	Boom or aerial /ha	Handgun vol/100 L	Knapsack /15 L	Mistblower /10 L	Comments
Annual Weeds	0.72-1.45L	145ml	22ml	44ml	Use higher rate for larger weeds. For residual control may be tank mixed with residual herbicides.
Australian Sedge	4.35-6.5L	720ml	110ml	215ml	Apply from Nov-March. Burn or slash from 20 days after treatment.
Barberry	-	720ml	110ml	215ml	Apply from flowering to late fruit stage (Jan-April). Regrowth should be 1.5m tall before spraying is carried out.
Barley Grass	0.72L	145ml	22ml	44ml	Apply when plants are at early seedhead stage (Sept-Dec).
Blackberry	6.5-14.4L	1.1L	110ml	215ml	Apply from flowering-fruiting stage (Dec- 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	-	900ml	110ml	-	Apply to actively growing plants (Nov-April). Ensure complete coverage of dense thickets. Do not use surfactant, or treat salt damaged bushes.
Bracken/ Broom	6.5L + Penetrant 250ml	720ml + Penetrant 250ml	110ml + Penetrant 30ml	215ml + Penetrant 20ml	Apply after bracken fronds have unfurled (mid Jan-June), but before frosts occur. For ground application to broom anytime, but for aerial application when broom is in full leaf.
Browntop	4.35L	720ml	110ml	215ml	Apply when plants are 5-10cm high. For taller plants, graze or burn and allow regrowth of 5-10cm height before treatment.
Buddleia	6.5L	720ml	110ml	-	Apply using handgun at any time. Aerial treat buddleia up to 2m high (Feb-April) using spray volume of 200-300 L/ha.
Californian thistle	2.9L	720ml	110ml	215ml	Apply after flower bud development. Retreatment and/or cropping or pasture improvement may be necessary to restrict re-establishment from seed. Mowing thistles 10 days after spraying may assist control.
Cleavers	1.1L	360ml	55ml	110ml	Spray actively growing plants after most reach early seedhead.
Couch	2.2-4.35L	720ml	110ml	215ml	For suppression, apply 2.2L/ha in spring and repeat in autumn. For best results, apply 2.9-4.35L/ha in autumn to active growth of at least 10cm where no previous cultivation has occurred for at least 6 months.
Dock	2.9-6.5L	720ml	110ml	-	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 re-seeding or establishing crops to restrict seedling re-establishment. Under trees or vines may be tank-mixed with residual herbicides for residual seedling control.
Floating Sweet Grass	4.35L	720ml	110ml	215ml	Spray actively growing plants after most reach early seedhead. Spraying plants under droughts stress may give reduced results.
Gorse	-	720ml + Penetrant 200ml	-		Apply anytime ensuring complete coverage of plants not stressed by drought, grazing or previous herbicide treatment.
Indian Doab	6.5L	720ml	110ml	-	Apply at early seedhead stage before frosts occur.
Kikuyu/ Mercer grass	4.35L	720ml	110ml	215ml	Apply at early seedhead stage. On dense infestations, cut and spray the regrowth.

WEEDS CONTROLLED					
WEED	Boom or aerial /ha	Handgun vol/100 L	Knapsack /15 L	Mistblower /10 L	Comments
Nodding Thistle	-	720ml	110ml	-	When applying by wiper ensure plants are actively growing (Oct-Apr) when at least 10cm of the plants can be wiped. A double pass is recommended and follow-up with spot treatments if necessary.
Old Man's Beard	-	0.72-1.45L	220ml	-	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	-	720ml	110ml	-	Spray spring-autumn. Reduced control may result if plants are in flower at the time of spraying. Ensure complete coverage.
Paspalum	2.9-4.35L	720ml	110ml	215ml	Spray at low rate if plants are at early seedhead stage. Use 4.35 L/ha on mature vegetative plants, before onset of frosts.
Potato (self set)	2.2L	360ml	55ml	110ml	Spray actively growing plants after most reach early seedhead.
Prairie Grass	1.45L	145ml	22ml	-	Spray at early seedhead stage.
Ragwort	4.35L	720ml	110ml	-	Spray when actively growing and ensure there is sufficient leaf area for herbicide uptake. When applying by wiper use on plants are 10-15cm above pasture. For best results, a double pass is recommended with a follow-up spot treatment if necessary. Caution: Ragwort becomes more palatable after treatment. Keep stock away from treated areas until plants brown-off.
Ratstail	3.7L	720ml	110ml	-	Apply at a spray volume of 200 L/ha in autumn. In dry conditions, delay spraying until sufficient green foliage is present.
Rautahi (cutty grass)	4.35L	720ml	110ml	215ml	Spray to actively growing plants from Jan-March. Burning or slashing may begin 30 days after treatment following brown-off.
Ring Fern	0.72-2.2L	220ml	40ml	-	For effective control, apply 2.2 L/ha. For pasture manipulation, apply 0.72-1.45 L/ha from Dec-April. Use higher rate for dense infestations. Burn 4-6 weeks after treatment.
Rushes	4.35L	720ml	110ml	215ml	Burning or slashing may begin 30 days after treatment following brown-off. Wiper application to be carried out in Nov-May.
Ryegrass (perennial)	2.9L + Penetrant 150ml	720ml + Penetrant 100ml	110ml + Penetrant 30ml	-	Spray to actively growing plants 3-10cm high. Use lower rate from Jan-July when cultivation is to follow spraying, and the higher rate Aug-Dec.
Sweet Briar	8.65L + Penetrant 250ml	720ml + Penetrant 200ml	110ml + Penetrant 30ml	-	Spray when plants are in late flowering to early leaf yellowing stage. Ensure full coverage.
Tall Fescue	4.35L	720ml	110ml	215ml	Apply Jan-March to active growth.
Willow	6.5L	720ml	-	-	Apply before leaf fall begins (Jan-April). Total spray coverage is essential for best results.
Yarrow	2.2-4.35L	-	-	-	Apply to plants with 5-10cm leaf. For best results cultivate 10 days after treatment. Use the low rate when a crop to be drilled is competitive to yarrow and higher rate when it is a poor competitor.

WITHHOLDING PERIODS

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 one day for annual weeds, and three days for perennial weeds. This will allow Ken-Up 500 Flexi Herbicide to penetrate the weeds for maximum effectiveness.

RESISTANCE MANAGEMENT

To reduce the risk of resistance use the product in accordance with the label instructions and the resistance management strategy for glyphosate available on the New Zealand Plant Protection society website (<http://reistance.nzpps.org/>)

RESISTANT WEEDS WARNING

GROUP	G	HERBICIDE
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Resistance to this herbicide could develop from excessive use. Ken-Up 500 Flexi Herbicide contains Group G Herbicide and belongs to the glycine group of herbicides. Ken-Up 500 Flexi Herbicide has the inhibition of EPSP synthase mode of action. Some naturally occurring weed biotypes resistant to Ken-Up 500 Flexi Herbicide and other Group G herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly.