

KENSO NZ Ken-Up Flexi 500.



Key Features.

- Active Constituent:** 500 grams/litre Glyphosate as the isopropylamine salt
- Formulation:** Soluble concentrate
- Surfactant Loading:** Fully loaded, environmentally friendly adjuvant package
- Rain fastness:** 6 hours (further reduced with the addition of "Silken")
- Compatibility:** Compatible with many other systemic & residual herbicides.
- Environmental:** A specialised glyphosate formulation that is safe to use in and around all aquatic and riparian areas
- Packaging:** 20 litre twin cap recyclable drum, 200 litre twin cap drum & 1000 litre pods (no deposit).
- General:** A high performance, environmentally safe, fully surfactant loaded glyphosate for general and aquatic weed control.



*Safe for
Aquatic Use*

- ✓ AQUATIC SAFETY
- ✓ PROVEN FORMULATION
- ✓ FULL 'FROG FRIENDLY' SURFACTANT LOADING

- ✓ EASY TO USE
- ✓ GREAT VALUE
- ✓ RECYCLABLE CONTAINERS (AGRECOVERY)

Product Characteristics.

- Ken-Up Flexi 500 is a yellowish, free flowing, liquid
- Is an Isopropylamine salt
- Good stability in solution
- Proven performance
- Recyclable containers (Agrecovery)

Product Features.

- Low toxicity adjuvant package
- Environmental Safety
- Wide use registrations
- Cost effective
- Easy to use
- Proven efficacy



Ken-Up Flexi 500 Features.

General Information

The isopropylamine salt found in Ken-Up Flexi 500 is a very commonly used salt in Glyphosate formulations. It was one of the first Glyphosate salt formulations to be developed and has been extensively used over many years in agriculture throughout the world.

The isopropylamine salt form of Glyphosate has a very low toxicity profile to both humans and the environment, but has a broad spectrum in controlling a wide variety of plants, including grasses, broadleaves, and woody plants.

The isopropylamine salt form of Glyphosate adsorbs strongly to soil and therefore does not move significantly within the soil (<150mm vertically). Isopropylamine Glyphosate is rapidly bound to soil particles (colloids), inactivated and then readily degraded by soil microbes, which degrade the Glyphosate to carbon dioxide. Isopropylamine Glyphosate is also readily microbially degraded in water.

Surfactants

Much of the environmental toxicity of most Glyphosate herbicides comes from the surfactant/adjuvant packages within the formulations. Ken-Up Flexi 500 has been specially formulated with an adjuvant package that has been designed to significantly minimise effects in the environment, especially in aquatic environments, but still provide high efficacy weed control through enhanced plant uptake.

Ken-Up Flexi 500 can be used and applied with confidence into and over wetlands, waterways, and riparian areas and any other sensitive locations where environmental and toxicity safety concerns are paramount.

Use Situations:

Ken-Up Flexi 500 is a great choice for:

Forestry

Horticulture

Conservation Areas

Farming

Amenity (Parks/reserves)

Cropping

Mixing Guide

Ken-Up Flexi 500 is measured volumetrically. In tank mixes add the Ken-Up Flexi 500 first followed by any additional surfactants/adjuvants.

Ken-Up Flexi 500 can be poured directly into a half filled spray tank provided adequate agitation is operating in the tank.

In situations where the water used for the Ken-Up Flexi 500 mix is hard i.e. alkaline (higher than a pH of 7) the addition of "Buffy" is recommended.

Ken-Up Flexi 500

Best Use Tips.

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- Ensure weeds are growing healthily and are not unduly affected by water logging, drought stress, frost, excessive pest or disease pressure, hard stock grazing or browsing.
- Rainfall or irrigation within 6 hours of application can wash the product from the target weeds; do not apply if rainfall or irrigation is imminent. The drying time for Ken-Up Flexi 500 is reduced from approximately 6 hours to 2 hours with the addition of Silken. However **do not** use Silken in the spray mix where application is in, or over, water. The use of "Buffy" can be considered where additional wetting/penetration is required in situations of spraying over water.
- Ideal temperatures for Ken-Up Flexi 500 application are between 18°C and 30°C. Glyphosate activity greatly increases in humid conditions when air moisture hydrates plant cuticles and also increases when plants are growing under good soil moisture. Inversely, weed control is reduced under low humidity and when weeds are drought stressed.
- Dew or moisture on target plant foliage at application may reduce weed control by diluting the glyphosate concentration in spray droplets and negate the effect of low spray volume at application.
- Glyphosate absorption on the plant leaf surface can be inactivated by dust present on the leaf surface. Organic matter and clay particles in spray mix water will also inactivate Glyphosate. It is important to use clean water sources for the spray mix.
- As a general rule the higher the application rate per hectare of Glyphosate the better the control (efficacy) of the weeds will be. Established and perennial weeds will require significantly higher rates of Glyphosate to ensure effective control, whereas annual or seedling weeds will require lower rates. Furthermore higher rates per hectare will reduce the potential development of weed resistance to Glyphosate. Always follow the label application rates and use a rate of Glyphosate in the spray mix and per hectare that will be effective in controlling the most difficult to control weed species in the targeted species range.
- Use drift management techniques. Glyphosate is a non-selective, translocated, foliar herbicide that can cause severe injury or death of plants intercepting even a small amount of active ingredient in down-wind spray droplet drift.
- Delay tillage, grazing or mowing until at least 1 day after treating annual weeds & 3 days after treating perennial weeds.
- The addition of "Silken" (organo-silicon) spreader penetrant to the spray mix is recommended where hard to wet plants and/or brush weeds are targeted or where rapid rainfastness is required.
- The addition of Buffy is recommended in situations where the spray mix water is of a pH of 7 or higher. Glyphosate can be degraded relatively quickly in higher pH tank solutions and the addition of a buffering agent such as "Buffy" will assist in lowering the pH of a tank mix significantly. Higher label rates of Buffy will also assist in reducing the amount of superfine droplets in the spray column thereby reducing the potential for off target drift and damage. Consult the Buffy label for information on the correct rate to use.



Flexi 500 Converter

| Flexi 500 | Aquatic 360 | 490 | 510 | Maxout 540 | Dry 680 |
|-----------|-------------|-------------|-------------|-------------|---------|
| 1 Litre | 1.4 Litres | 1.0 Litres | 1.0 Litres | 0.9 Litres | 0.7 Kg |
| 2 Litres | 2.8 Litres | 2.0 Litres | 2.0 Litres | 1.9 Litres | 1.5 kg |
| 3 Litres | 4.2 Litres | 3.1 Litres | 2.9 Litres | 2.8 Litres | 2.2 kg |
| 4 Litres | 5.6 Litres | 4.1 Litres | 3.9 Litres | 3.7 Litres | 2.9 kg |
| 5 Litres | 6.9 Litres | 5.1 Litres | 4.9 Litres | 4.6 Litres | 3.7 kg |
| 6 Litres | 8.3 Litres | 6.1 Litres | 5.9 Litres | 5.6 Litres | 4.4 kg |
| 7 Litres | 9.7 Litres | 7.1 Litres | 6.9 Litres | 6.5 Litres | 5.1 kg |
| 8 Litres | 11.1 Litres | 8.2 Litres | 7.8 Litres | 7.4 Litres | 5.9 kg |
| 9 Litres | 12.5 Litres | 9.2 Litres | 8.8 Litres | 8.3 Litres | 6.6 kg |
| 10 Litres | 13.9 Litres | 10.2 Litres | 9.8 Litres | 9.3 Litres | 7.4 kg |
| 15 Litres | 20.8 Litres | 15.3 Litres | 14.7 Litres | 13.9 Litres | 11.0 kg |
| 20 Litres | 27.8 Litres | 20.4 Litres | 19.6 Litres | 18.5 Litres | 14.7 kg |

Together we grow.

Kenso NZ produces and distributes a wide range of quality crop protection products for use in New Zealand farming, forestry and horticulture. Our vision is to be recognised as a world class supplier in this arena.

Kenso has over 30 years experience with agricultural chemical manufacture and formulation, designing robust product formulations for New Zealand conditions.



Packaging.

Ken-up Flexi 500 is packed in;

- 20L twin cap drums, 40 /pallet,
- 200L plastic twin cap drums
- 1000L pods (no deposit)
- The 20L drums are recyclable through the Agrecovery programme.



Contact.

For more information visit www.kenso.co.nz

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Available from

