

**KENSONZ**

# Ken-Up Aquatic.



## Key Features.

- Active Constituent:** 360 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**

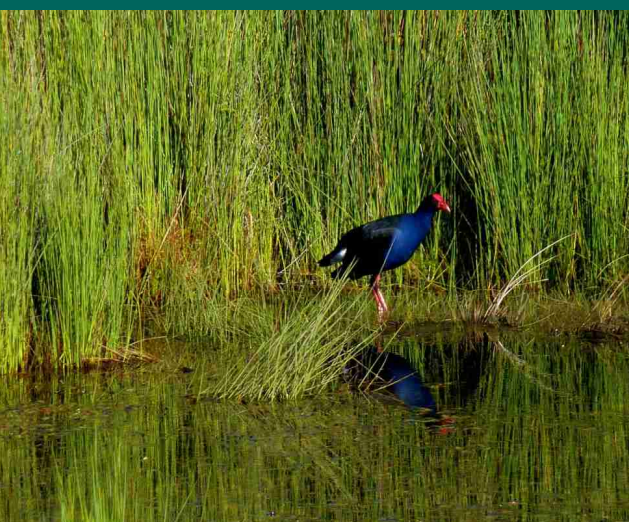
- ✓ **EASY TO USE**
- ✓ **GREAT VALUE**
- ✓ **RECYCLABLE CONTAINERS (AGRECOVERY)**

## Product Characteristics.

- Ken-Up Aquatic 360 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
- Great efficacy



# Ken-Up Aquatic Features.

## General Information

The isopropylamine salt found in Ken-Up Aquatic 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 Glyphosate herbicides comes from the surfactant/adjuvant packages within the formulations. Ken-Up Aquatic 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 Aquatic 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 Aquatic 360 is a great choice for:

Forestry  
Horticulture

Conservation Areas  
Farming

Amenity (Parks/reserves)  
Cropping

## Mixing Guide

Ken-Up Aquatic 360 is measured volumetrically. In tank mixes add the Ken-Up Aquatic first followed by any additional surfactants/adjuvants.

Ken-Up Aquatic 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 Aquatic mix is hard i.e. alkaline (higher than a pH of 7) the addition of "Buffy" is recommended.



## *Ken-Up Aquatic 360* **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.
- Ideal temperatures for Ken-Up Aquatic 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 drying time for Ken-Up Aquatic 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.
- 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.



# Guaranteed to perform.

At Kenso our products are guaranteed to perform when used as directed or your product is replaced. Kenso NZ produces and distributes a wide range of quality crop protection products for use in New Zealand farming, forestry and horticulture.

As a division of the Kenso corporation, we have over 30 years experience in agricultural chemical manufacture and formulation. From our three modern production sites we are able to efficiently cater to the seasonal market.

We also have a dedicated product development and quality control chemistry team which provides the capacity to design robust product formulations for New Zealand conditions.

In line with our motto 'better crop production for a growing population' Kenso has the vision of being recognised as a world class supplier of crop protection products for New Zealand farmers, foresters and growers.



## Rate Conversion Guide (Rate per Ha)

360 g/l	510 g/l	540 g/l
2 Litres	1.4 Litres	1.3 Litres
3 Litres	2.1 Litres	2.0 Litres
4 Litres	2.8 Litres	2.7 Litres
5 Litres	3.5 Litres	3.3 Litres
6 Litres	4.2 Litres	4.0 Litres
7 Litres	4.9 Litres	4.7 Litres
8 Litres	5.6 Litres	5.3 Litres
9 Litres	6.4 Litres	6.0 Litres
10 Litres	7.1 Litres	6.7 Litres
11 Litres	7.8 Litres	7.3 Litres
12 Litres	8.5 Litres	8.0 Litres
20 Litres	14.1 Litres	13.3 Litres
28.5 Litres	20.0 Litres	18.9 Litres

## Packaging.

### Ken-up Aquatic 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.



## Available from

## Contact.

**For more information visit [www.kenso.co.nz](http://www.kenso.co.nz)**

Order Freephone: 0800 KENSONZ (0800 536 766)

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