

NET CONTENTS: 250g,500g,1kg, 5kg, 10 Kg

ELLIOTT CHEMICALS LIMITED

KATANA®

A herbicide for pre-plant brushweed control in forestry, knapsack brushweed control in non-grazed areas and for selective ragwort control by spot application in pasture

Contains: Flazasulfuron 250 g/kg in the form of a water dispersible granule.

Registered pursuant to the ACVM Act, 1997, No.P4659

Distributed by: Elliott Chemicals Limited.
45 Kitchener Road, Pukekohe
P.O.Box 18-417, Glen Innes, Auckland.
Phone: (09) 238-3170, (09) 521-1562
Fax: (09) 238-4226

® -Katana is the registered trade mark of Ishihara Sangyo Kaisha, Ltd., Japan

®1 -Pulse is the registered trademark of Monsanto Company,USA

Precautions :

Keep out of reach of children.

Store in original container, tightly closed, away from stockfeed or foodstuffs.

Keep away from frost and heat sources.

Wear protective clothing, rubber gloves and boots, also a face shield when mixing.

Avoid inhalation of the spray mist. Avoid eye contact.

Do not eat, drink or smoke while using.

Wash hands and exposed skin before meals and after spraying.

Toxic to aquatic plants.

Container disposal: Ensure container is completely empty. Burn if circumstances, especially wind direction permit. Otherwise crush and bury in suitable landfill.

Avoid contamination of any water supply with chemical or empty container.

First Aid:

If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water. If inhaled move the victim to fresh air immediately. Begin artificial respiration if breathing has stopped.

GENERAL INFORMATION**Mode of Action:**

KATANA is rapidly absorbed by foliage and translocated throughout the target plants stopping the synthesis of vital plant growth chemicals. Plants stop growing immediately and discolouration of leaves occurs, followed by dieback that spreads slowly throughout the plant.

DIRECTIONS FOR USE IN NON-AGRICULTURAL AREAS

Beware: Apply this product carefully. Spray drift may cause serious damage to other desirable plants. Beware of soil types and topography where **KATANA** may be leached or washed to where desirable plants or their roots may be found.

FORESTRY**Radiata Pine Pre-plant Aerial Application Brushweed Control:**

Use only as a late summer pre-plant treatment and apply 600 g/ha to control broom, bracken, blackberry and seedling gorse. Apply as a tank mix with the recommended rates of the appropriate glyphosate based herbicide and organo-silicon surfactant (e.g. Pulse®1).

For standard boom systems apply no less than 150 litres / ha.

Use a calibrated Helicopter using a half overlap opposite pass technique.

Do not plant trees within 2 months of spraying.

Avoid spraying near ponds, waterways, ditches, etc.

BRUSHWEED KNAPSACK APPLICATION**Non Grazed Land:**

Spray should only be used on small bushes where full coverage of stems and foliage can be achieved. The addition of an organo-silicon surfactant (e.g. Pulse®1) is required to be tank mixed with **KATANA** with all applications.

Weed Species	Knapsack Rate / 15 litres	Comments
Gorse	27 grams	Seedling gorse: Apply KATANA at any time of the year. For best results apply when gorse is actively growing.
Broom	27grams	Apply KATANA to actively growing plants from November to May.
Bracken	27grams	Apply KATANA late summer through to early winter before frosts occur. For best results wait until fronds have unfurled.
Blackberry	27 grams	From late January to May before leaves turn red. Regrowth may occur which will require a follow up application. Regrowth can be reduced by; crushing, slashing or burning treated canes when they are brittle.
Wild Ginger	18 grams	Apply KATANA from spring through to autumn.

DIRECTIONS FOR USE IN PASTURE:

Ragwort – Spot Application Only:

Use **KATANA** at 2 grams per 10 litres of water. Apply 10 mls of spray mix to each Ragwort plant. Plants can be sprayed from rosette stage to early flowering. Flowering or multi-crowned ragwort plants will require a higher spray mix volume (20ml or 30 ml per plant) to ensure complete control.

Application Timing:

For best results **KATANA** should be applied before the ragwort plants have reached the late flowering stage. This will avoid setting seed. When applying **KATANA** to flowering ragwort plants target the flower head and upper leaves. While application can be made to ragwort from the rosette stage to late flowering, application at the rosette stage is preferable. Use a spray lance with a solid cone spray tip. Avoid using a fan tip.

Withholding Period: 14 days

Caution: Ragwort plants may become more palatable following spraying. To avoid ragwort poisoning, stock should be removed until the treated plants die down.

Pasture Damage:

KATANA will damage ryegrass / white clover pasture. Direct spray to the centre of the plant so minimal spray is applied to pasture. Soil residues will delay pasture re-establishment for 2 months after application.

Resistant Weeds:

KATANA is a sulphonyl urea herbicide. Some weeds are resistant to sulphonyl urea herbicides and these will not be controlled by **KATANA** and they may become dominant. Tillage or the use of other herbicide types will prevent these resistant weed escapes from seeding and proliferating.

Rainfastness:

The rainfast period is 2 hours following an application with the addition of an organo-silicon surfactant (e.g. Pulse).

MIXING INSTRUCTIONS: For Knapsack Applications

- Keep the container for **KATANA** in a cool place out of direct sunlight.
- Prior to mixing **KATANA** thoroughly rinse sprayer, hose, lance and nozzle with water.
- Add the required amount of **KATANA** into the knapsack tank half filled with water. Close knapsack tank and shake spray mix for one minute.
- Complete water filling.
- Close knapsack tank and shake spray mix for one minute.
- Apply the **KATANA** spray mix within 24 hours of mixing.

MIXING INSTRUCTIONS: Pre-plant Forestry Aerial Application Mixing Tanks:

- Prior to mixing **KATANA** thoroughly rinse spray tank, hoses, boom and mixing tank with water.
- Fill mixing tank with water.
- Add the required amount of **KATANA** very slowly into the mixing tank ensuring a good agitation system is working in the mixing tank.
- Then add glyphosate and surfactant.
- Allow 10 minutes of good agitation to ensure the **KATANA** is well mixed.
- Then proceed to pump spray into the aircraft.

Compatibility:

KATANA is compatible with glyphosate and marker dyes but mixtures should be used within 24 hours. Do not modify spray solution pH below 6.5 or above 8.

Sprayer cleanup:

Drain spray tank completely, flush interior surfaces of tank, hose and lance with clean water. Fill tank with water and flush all parts, then drain again. Nozzles and filters must be removed and cleaned separately with clean water. For complete decontamination follow procedures for sulphonyl ureas.

Exclusion of Liability: Please Read

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Elliott Chemicals 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 howsoever arising in connection with the supply of these goods.

When stored appropriately this product should show no significant degradation for 2 years. Contact your supplier for further information about the use of any product that is older than this.

See www.nzfsa.govt.nz/acvm/ for registration conditions.

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