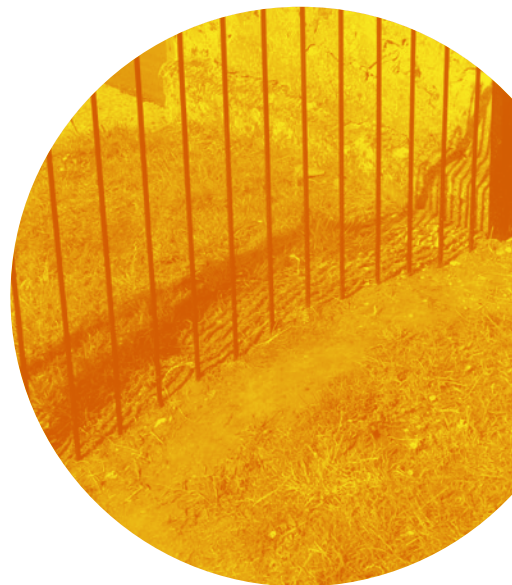




**agrovista**  
amenity



*Non-selective  
residual  
broad-spectrum  
herbicide*

*growing  
through  
innovation*

# Katana

**Katana®** is a powerful, non-selective residual broad spectrum herbicide, for the **control of annual and perennial weeds**.

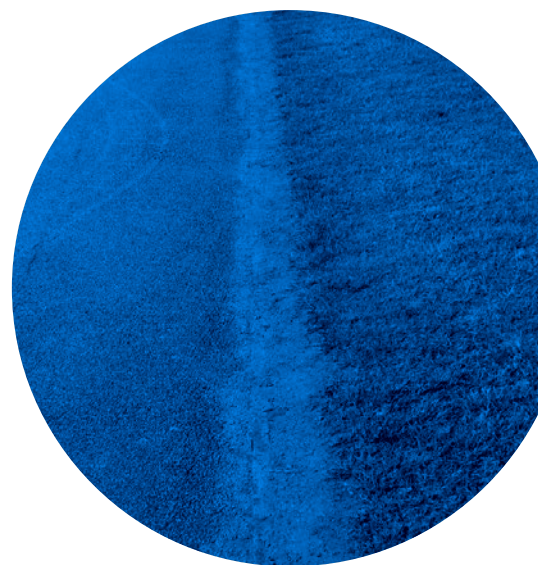


## Introduction

Katana® is a powerful, non-selective residual broad spectrum herbicide, for the control of annual and perennial weeds on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil, and around amenity vegetation, which can drastically reduce hours spent strimming.

Katana® is formulated as a water dispersible granule that is long-lasting and effective at low dose rates.

It is an excellent cost-saving option as one application of Katana® can save repeated strimming visits to the same sites to tidy around obstacles and fence lines, reducing both cost and operator exposure to risks such as hand/arm vibration.



## How Katana® works

### Pre-emergence weeds

Once applied Katana® will move into the upper surface layers of the soil, however it has no effect on weed seed germination.

The weed seedlings, roots and shoots then absorb the flazasulfuron (the active ingredient of Katana®), which halts growth. Weed seedlings will sometimes develop normally through to the two-three leaf stage. Many affected weed seedlings will not emerge above soil level.

### Post-emergence weeds

Katana® inhibits the growth of emerged plants. This is shown by a yellowing and reddening of the foliage, these symptoms can take up to 28 days to develop. The plant eventually collapses and dies.





## Where to use

Katana® can be used on natural surfaces not intended to bear vegetation, permeable surfaces overlying soil and railway ballast.

Katana may also be used around amenity vegetation.

Due to the danger of run-off, Katana® must not be used on non-porous man-made surfaces such as concrete, tarmac and paved areas.

Areas of use include:

- ✓ Fence lines
- ✓ Around buildings
- ✓ Walkways and paths
- ✓ Around trees and shrubs
- ✓ Cemeteries
- ✓ Car parks
- ✓ Industrial areas

## When to use

Katana® can be used at any time of the year, but for best results apply in early spring before the weeds germinate. If weeds are already present, tank-mix with a suitable contact herbicide such as glyphosate, when the weeds are small and actively growing.

## Environment

Katana® presents negligible risk to birds, mammals, fish, aquatic invertebrates and bees when used in line with the directions on the product label. Katana® has no adverse effect on earthworms and soil-inhabiting microbes.

## Total weed control

Katana® has a broad spectrum of activity. It provides initial knock-down and residual control of broad-leaved weeds and grasses.

Once in the soil profile, Katana® does not move, therefore it is especially effective for producing clearly defined edging along fence lines etc.

If weeds are already present, tank-mix Katana® with a suitable contact herbicide such as glyphosate and apply when the weeds are actively growing.

- ✓ Gives up to 5 months control
- ✓ Combines contact & residual action
- ✓ Pre-emergent weed control
- ✓ Early post-emergent weed control
- ✓ Can be tank-mixed with glyphosate
- ✓ Convenient water dispersible granule
- ✓ Low dose rate

## Long-lasting effect

Just one application of Katana® at the recommended rate can have an effect for up to five months, although user feedback has shown much longer control can be achieved in many cases.



## Cost-effective weed control

Katana® can help reduce operational costs whilst maintaining an effective total weed control programme.

The formulation of Katana® is highly active, giving excellent and persistent vegetation control from low application rates.

Just one application of Katana® can give up to five months control, customer feedback has shown even longer periods of control can be achieved.

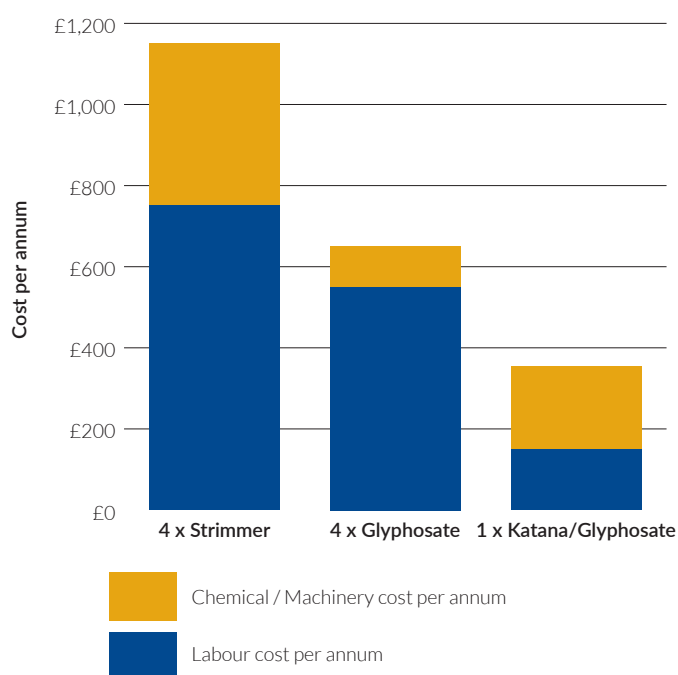
## Reduced strimming

When compared to the cost of repeated strimming operations or frequent applications of non-residual herbicides (such as glyphosate), Katana® can offer significant savings.

The graph below shows the potential cost savings from a single application of katana to one hectare of ground, compared to a typical vegetation management programme of four strimming or glyphosate spraying operations.

This cost saving opportunity is ideal for local authorities and contractors.

## Cost comparison



## Wide control spectrum

Katana® controls a wide range of broad-leaved weeds and grasses including:

### Weeds

Black Medick  
Burdock  
Cat's-ear  
Charlock  
Common Bird's-foot Trefoil  
Creeping Buttercup  
Common Chickweed  
Common Nettle  
Common Ragwort  
Creeping Thistle  
Dandelion  
Dove's-foot Crane's-bill  
Fat-hen  
Groundsel  
Hawkweed  
Knotgrass  
Plantains  
Red Clover  
Red Dead-nettle  
Rosebay Willowherb  
Shepherds Purse  
Silverweed  
Small Nettle  
Willowherb  
Yarrow

### Grasses

Annual Meadow-grass  
Barren Brome  
Bristly Foxtail  
Cockspur  
Crabgrass  
Green Foxtail  
Italian Ryegrass  
Perennial Ryegrass  
Rough Meadow-grass  
Smooth Meadow-grass

Use glyphosate with Katana® on established weeds





## Product and application guidelines

Best results are achieved by applying Katana® before weeds germinate. If weeds are present, tank-mix with a suitable glyphosate herbicide when the weeds are small and actively growing. Only one application of Katana® permitted per year. Avoid spray drift and treatment of shallow rooted plants. Read the product label before use.

We only recommend the use of Roundup Pro Biactive or other approved glyphosate formulations in mixture with Katana®.

Contains : **25% w/w flazasulfuron**

Pack size: **50g**

LERAP: **B**

Product application rates:

Application rate: **150g /ha**

Water rate: **200 - 600 L/ha**

Knapsack sprayers:

Application rate: **15g**

Water rate: **20 litres**

Coverage: **1,000m<sup>2</sup>**

We suggest the use of a 1 bar flow regulator with a Polijet AN 0.6 deflector nozzle (0.5m swath), 3 mph forward speed.

Add 15g Katana® +/- 500ml glyphosate 360 in a half-filled knapsack and top up to 20 litres.





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