HERBICIDE

KATOUN® GOLD

Content:

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A non-selective contact herbicide for use on amenity vegetation (bare soil around trees and woody shrubs), natural surfaces not intended to bear vegetation, and permeable surfaces overlying soil including gravel pathways, forest nursery and hardy ornamental plant production

An emulsifiable concentrate formulation containing 500 g/L fatty acids: pelargonic acid

GROUP	0	HERBICIDE

MAPP No.: 20173

Production date / Batch number: see packaging

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

24-hour emergency number: 0032 14 58 45 45

Approval holder:
Certis Belchim B.V.,
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KATOUN GOLD

HERBICIDE

This booklet is part of the approved Product Label

Katoun® Gold

An emulsifiable concentrate formulation containing 500 g/L fatty acids: pelargonic acid

H319	**Causes serious eye irritation**
P280	Wear eye protection and face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention
EUH401	**To avoid risks to human health and the environment, comply with the instructions for use.**



WARNING

IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops/Situations	Maximum individual dose	Maximum number of treatments	Latest time of application
Amenity vegetation (bare soil around trees and woody shrubs), natural surfaces not intended to bear vegetation, permeable surfaces overlying soil, forest nursery, ornamental plant production	22.5 L/ha	4	-

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

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SAFETY PRECAUTIONS

Operator Protection

ENGINEERING CONTROL OF OPERATOR EXPOSURE must be used where reasonably practicable in addition to the following personal protective equipment:

- WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.
  However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.
- AVOID CONTACT WITH EYES. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- WASH ANY CONTAMINATION from skin or eyes immediately
- WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
- WHEN USING DO NOT EAT, DRINK OR SMOKE
- WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.

Environmental Protection

- Do not contaminate water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).
- Use appropriate containment to avoid environmental contamination.
- RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See 'Directions for use'.

Storage and Disposal

- KEEP OUT OF REACH OF CHILDREN
- KEEP AWAY FROM FOOD AND DRINK AND ANIMAL FEEDING STUFFS
- KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.
- RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add to sprayer at time of filling and dispose of safely.
- DO NOT RE-USE CONTAINER FOR ANY PURPOSE
- THIS MATERIAL AND ITS CONTAINER must be disposed of in a safe way.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Katoun® Gold is a non-selective contact-acting herbicide. The active substance fatty acid pelargonic acid quickly destroys the cuticle of broad-leaved and grass weeds and moss; the weeds subsequently die by dehydration. Results are visible within 2-3 hours. The product has no residual activity.

- Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other products.
- Spraying equipment should be calibrated prior to use to ensure accurate application.
- Extreme care must be taken to avoid spray drift onto neighbouring crops/desirable plants.
- WASH EQUIPMENT thoroughly immediately after use. Fill the tank with clean water and leave overnight. Spray out before storage or using other products.
- The product should not be stored at temperatures lower than 8°C.

Resistance

Total reliance on one pesticide will hasten the development of resistance. Pesticides of different chemical types or alternative control measures should be included in the planned programme. Alternating with different modes of action is a recognised anti-resistance strategy.

Strains of some annual grasses, e.g. black-grass, wild-oats, and Italian rye-grass, have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the AHDB, CPA, your distributor, crop adviser or product manufacturer.

SITUATIONS

Katoun® Gold can be used as a herbicide on amenity vegetation (bare soil around trees and woody shrubs), natural surfaces not intended to bear vegetation and permeable surfaces overlying soil including gravel pathways, forest nursery and hardy ornamental plant production against a range of weeds (see table under 'Rate of application') and moss.

Avoid spraying within 5m of the field boundary to reduce

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effects on non-target insects or other arthropods.

Restrictions:
DO NOT use on lawns or directly apply to desired vegetation.

Warnings:
- Katoun® Gold is a contact-acting herbicide and therefore full coverage of the target weeds is vital for optimal weed control. Any parts of the target weed sheltered by for example other weeds, will not be controlled.
- When using Katoun® Gold amongst amenity plantings, forest nursery stock or hardy ornamental plant production, extreme care must be taken to avoid contact with or drift onto desirable plants such as grass, leaves of trees and shrubs or ornamentals. Ensure stems/trunks have hardened off before application. Care must be taken to avoid any contact with stems. The use of low drift nozzles and/or shrouded/hooded sprayers should be used to avoid any drift.

Timing of application:
Treatment should be made whilst weeds are actively growing provided the ambient air temperature is more than 15°C. For best results, application should be made in the morning when no rain is forecast.

Katoun® Gold should be applied to small broad-leaf and grass weeds at an early stage of development. Thorough wetting of the entire leaf area is vital for optimal results.

Length of weed control is dependent upon weed size and prevailing weather conditions. Perennial weeds may re-grow as the product is contact-acting only with no systemic or residual control.

Rate of application:

Situation	Target	Application rate		Number of applications per year	Interval between applications
		Per 10m²	Per ha		
Amenity vegetation (bare soil around trees and woody shrubs), natural surfaces not intended to bear vegetation, permeable surfaces overlying soil including gravel pathways, forest nursery, hardy ornamental plant production	Moss	18.0 mL	18.0 L/ha	2	Minimum of 14 days
Amenity vegetation (bare soil around trees and woody shrubs), natural surfaces not intended to bear vegetation, permeable surfaces overlying soil including gravel pathways, forest nursery, hardy ornamental plant production	Scarlet pimpernel, Parsley piert, Chickweed, Willow herb, Cut-leaved cranesbill, Mayweeds, Common groundsel, Field speedwell Fescues, Annual meadow grass	22.5 mL	22.5 L/ha	4	Minimum of 14 days

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Volume, spray quality and application method:
Apply using a hydraulic sprayer or knapsack sprayer, choosing a nozzle type to give the stated water volume and a MEDIUM to COARSE spray quality (BCPC definition). Use a spray pattern that enables good coverage of the larger weeds to be controlled.

Moss control:
Application via knapsack:
To treat an area of 10m^2 dilute 18.0 mL of Katoun® Gold in a water volume of 300 to 500 mL. It is very important that the moss is adequately wetted by the diluted product or control may be reduced.

Application via vehicle-mounted sprayer:
To treat an area of 1 hectare, dilute 18.0 L of Katoun® Gold in a water volume of 300 to 500 L. It is very important that the moss is adequately wetted by the diluted product or control may be reduced.

Weed control:
Application via knapsack:
To treat an area of 10m^2 dilute 22.5 mL of Katoun® Gold in a water volume of 225 mL (10% concentration); optimum results will be achieved where weeds are small (less than 10cm tall). It is very important that all of the weed plant is treated; any areas of leaf shaded by for example other weeds, will not be affected by the treatment. The product is contact-acting only, with no systemic or residual activity.

Application via vehicle-mounted sprayer:
Apply at 22.5 L/ha in a water volume of 200 to 500 litres per hectare when weeds are small and actively growing. It is very important that all of the weed plant is treated; any areas of leaf shaded by for example other weeds, will not be affected by the treatment. The product is contact-acting only, with no systemic or residual activity.

MIXING
Before spraying, check all nozzles, filters and spray lines and ensure that the sprayer is clean and correctly set up to give an even application at the correct volume.

1) Half fill the knapsack/tractor-mounted sprayer with water.
2) Add the recommended quantity of Katoun® Gold to the water.
3) Agitate thoroughly and top up the sprayer with water.
4) Apply immediately, maintaining constant agitation.

DO NOT make up more spray solution than required to treat the target area.
DO NOT store the spray solution overnight in the spray tank.
Use the higher water volume where weed populations are dense.

TANK CLEANING
After spraying, thoroughly wash out the sprayer and triple rinse equipment with clean water according to manufacturer's guidelines and DEFRA Code of Practice for Using Plant Protection Products. Dispose of washings and containers according to those Codes of Practice and local water authority guidelines

COMPANY ADVISORY INFORMATION
WARRANTY/ DAMAGES
All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of applicable law.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:

WEBLINK to specific data sheet
on manufacturer's website:

http://www.certisbelchim.co.uk/pdf/MSDS/KatounGold_MSDS.pdf

Alternatively, contact your supplier.

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