

# Hammer®

MAPP: 15060 PCS No: 02752



## FAST ACTING

FOLIAR APPLIED TRANSLOCATED HERBICIDE FOR THE CONTROL OF BROAD-LEAVED AND GRASS WEEDS ON NATURAL SURFACES NOT INTENDED TO BEAR VEGETATION, PERMEABLE SURFACES OVERLAYING SOIL, WEED CONTROL AROUND ORNAMENTAL SHRUBS AND TREES.

Contains 240g/l glyphosate and 0.67 g/l pyraflufen-ethyl as a Suspo-emulsion

### Risk and Safety Information

To avoid risks to man and the environment, comply with the instructions for use.



Dangerous for the environment

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Use appropriate containment to avoid environmental contamination.

This material and its container must be disposed of in a safe way.

Keep out of reach of children.

Keep away from food, drink and animal feeding stuffs.

If swallowed seek medical advice immediately and show this container or label.

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In case of toxic or transport emergency ring +44 (0) 1865 407333 anytime.

# 5 Litres

Contents will treat between 5714m<sup>2</sup> and 11764m<sup>2</sup>



Marketing Company:  
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Tel: +44 (0)1473 201100 [www.scottspprofessional.co.uk](http://www.scottspprofessional.co.uk)

**Fast acting foliar applied translocated herbicide for the control of broad-leaved and grass weeds on natural surfaces not intended to bear vegetation, permeable surfaces overlaying soil, weed control around ornamental shrubs and trees.**

## IMPORTANT INFORMATION

### For use only as a horticultural/industrial herbicide

Crop/situation	Natural surfaces not intended to bear vegetation; permeable surfaces overlaying soil; around ornamental shrubs and trees
Maximum individual dose:	8.75 litres product/ha
Maximum number of treatments	4 per year
Latest time of application	November
Other specific restrictions	N/A

**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.**

## SAFETY INSTRUCTIONS

### 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 when handling the concentrate or handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND RUBBER BOOTS when applying by hand held equipment.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WASH CONCENTRATE from skins and eyes immediately.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the inside of gloves.

WASH HANDS/EXPOSED SKIN before eating and drinking/smoking/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.

### Storage and disposal

AVOID RELEASE TO THE ENVIRONMENT. Refer to special instructions/safety data sheet.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN

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 washings to sprayer at time of filling and dispose of safely.

### Protect from frost

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

### DO NOT USE AROUND THE BASE OF CARYOPTERIS SHRUBS.

Some perennial and brush weeds may require re-application in the event of re-growth occurring.

Use around the base of ornamental shrubs and trees.

Hammer can be used to control weeds around the base of woody ornamental shrubs and trees. Apply with a knapsack sprayer fitted with a spray guard. Care should be taken to avoid spray drift onto green plant parts. Hammer has been tested around the bases or the ornamental shrubs listed below, however because of the large number of species / varieties it is advisable to test on a small number before treating large numbers of plants.

Azalea, Berberis, Buddlejia, Buxus, Choisya, Cistus, Cotoneaster, Euconymus, Forsythia, Hebe, Lonicera, Philadelphus, Potentilla, Rosa, Weigela

### Resistance

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. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer.

Safety data sheet available for professional user on request.

## INSTRUCTIONS FOR USE

For use only as a professional horticultural/industrial herbicide. 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.

### Restrictions

Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area.

**DO NOT MIX, APPLY OR STORE HAMMER IN GALVANISED OR UNLINED STEEL CONTAINERS OR TANKS**

**DO NOT USE AROUND THE BASE OF CARYOPTERIS SHRUBS.**

Do not use if rain is expected within 6 hours or treatment. Flaming or sowing after application: Agertum<sup>®</sup>, Aster, Marigold, Nicotiana, Parsy, Petunia, Salvia and Tagetes can be planted, or turf grasses can be sown 1 day after spraying light coverings of annual weeds. Where a dense covering of annual weeds or perennial/brush weeds have been treated, the area can be replanted 7 days after spraying.

It is recommended that 7 days elapse between spraying and cultivating where perennial weeds are treated to allow Hammer to be properly translocated to the root system.

### Weeds controlled

Hammer is a fast acting total herbicide formulation containing glyphosate and pyraflufenyl which kills most annual and perennial broad-leaved and grass weeds when used as directed. Effects will be visible in 2 days with weed death occurring after 14-21 days depending on environmental conditions.

Hammer can be used to treat weeds in shrubberies, rose beds and around tree bases; in tree and shrub nurseries, around greenhouses, frames and pot standing areas. Hammer can be used to clear weeds on gravel footpaths, industrial situations and any areas not intended to bear vegetation.

### ANNUAL WEEDS:

Treat when young and actively growing.

Grasses should have at least 5cm of leaf.

Broad-leaved weeds should have at least 2 expanded true leaves.

### PERENNIAL WEEDS

Treat when fully emerged and actively growing.

Grasses should be fully emerged with healthy green leaves. Tough weeds such as established Common Couch is most susceptible when tillering with 5-6 leaves and ca.15 cm of new growth.

Broad-leaved weeds should be fully emerged with healthy green leaves. Many perennial broad-leaved weeds are most susceptible as they approach flowering.

## Crop/situation specific information

Dose rates and examples of weeds controlled\*

Application Rate	Application Rate (l/ha)	Water Volume (l/ha)	Weeds Controlled
Annual	4.25	200-500	Chickweed, Mayweed, Fat Hen, Common Field Speedwell, Shepherds Purse, Field Forget-menot, Black Nighthshade, Redshank, Black Bindweed, Red Dead-Nettle, Groundsel, Cleavers, Charlock.
Perennial	6.25	200-500	Common Couch, Creeping Bent, Perennial Ryegrass, Creeping Nettle, Broad-leaved Dock, Perennial Thistle,
Difficult perennials and brush weeds	8.75	200-500	Bramble, Bracken

## Mixing and Spraying

### Knapsack sprayer

Use a knapsack sprayer fitted with suitable nozzle to give a medium - course spray quality. Ensure sprayer is correctly calibrated prior to application.

Weed type	Amount product	Amount water	Area treated
Annual	4.25ml	2 to 5 litres	100 sq m
Perennial	62.5ml	2 to 5 litres	100 sq m
Difficult perennials and brush weeds	87.5ml	2 to 5 litres	100 sq m

Add the recommended quantity of Hammer to the knapsack fitted with approximately half the necessary quantity of water. Mix thoroughly with a clean rod or replace lid and shake thoroughly. Top up with remaining water to the required level and agitate thoroughly before use.

Use spray on the day of mixing. For treating dense foliage use the higher application volume (500l/ha) to improve penetration of the top layer of foliage.

Wash out spraying equipment thoroughly after use.

### Tractor mounted sprayer fitted with hydraulic nozzles:

Use suitable flat fan nozzles to give a medium - course spray quality.

Ensure sprayer is correctly calibrated prior to application. Apply using an application volume in the range 200 - 300 l/ha.

Half fill the spray tank with clean water and start gentle agitation. Add the correct amount of Hammer and top up the tank to the required level whilst maintaining agitation.

Wash out spraying equipment thoroughly after use.

## Approval holder

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