



After use, thoroughly decontaminate the sprayer.

Place half the required amount of water in the spray tank, followed by the recommended quantity of KASKARA. In the case of using the entire container of KASKARA, rinse the container thoroughly and add the washings to the spray tank. Add the remaining water requirement to the spray tank. When using over-all application with a tractor sprayer, maintain agitation throughout the mixing and spraying operation. When using a knapsack sprayer, agitate the container before use.

Shake the container well before use

Before mixing, ensure that the spraying equipment has been thoroughly decontaminated from any previous use, and that it has been equipped and calibrated to apply the recommended spray volume and spray quality.

c) MIXING AND SPRAYING

Do not replant within one metre of treated tree stumps until 3 months after application. Beyond one metre of the treated area can be planted at any time. Any regrowth from treated stumps should be treated with a spray of KASKARA to the growing foliage.

Tree Stump Diameter	Rate of DILUTED KASKARA
0.10 m	20 ml diluted spray
0.20 m	40 ml diluted spray
0.40 m	80 ml diluted spray
0.80 m	160 ml diluted spray
1.00 m	200 ml diluted spray

Use 150 ml of KASKARA per litre of water, then apply at the rates shown in the following table, according to the approximate size of the tree stump (100 ml diluted spray/50cm diameter cut stump). Use the diluted spray immediately, do not keep diluted spray for any length of time e.g. overnight.

Rate of use
Tractor mounted: 1 part KASKARA with 3 parts water
Hand-held: 1 part KASKARA with 8 parts water

Thoroughly mix product in water and allow wick to become completely wet before commencing application. Weed control will only be achieved where weeds are smeared by the wick applicator, therefore ensure wick is at a height where it will touch the weeds but not the sward. Make the application in 2 passes going one way then back the other.

Under certain conditions application using a Hopewick applicator to actively growing nettle and docks before flower bud stage may be preferred although weed control is unlikely to be as effective as a sprayer application.

Weeds should be sprayed until just before run off occurs.

Handance Application
Weeds should be sprayed until just before run off occurs.

Knapsack Application
This method is recommended for spot treatment of weeds, e.g. clumps of Nettles, Common Ragwort, Docks or other weeds. Add 10 ml of KASKARA per litre of water and apply as a medium spray to just before run-off occurs. Alternatively, add 20ml of KASKARA per litre of water and apply as a fine spray. Where large areas are to be treated, low volumes are preferred. DO NOT USE A FINE SPRAY UNDER CONDITIONS WHERE DRIFT IS LIKELY TO OCCUR.

Overall Application
This method is recommended when weed populations are high and there is a large area to be treated. Apply KASKARA in 200 litres of water per hectare, as a MEDIUM spray at a pressure of 3 bar. Where weed foliage is dense or tall, use the higher volume of water. Make sure that all foliage to be controlled is covered by the spray.

This leaflet is part of the Product label.

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.

a) RESTRICTIONS OR WARNING

Do not spray where clovers or other legumes are an important part of the sward.

Kaskara may be applied to grassland that has been established for a minimum of twelve months.

DO NOT ALLOW SPRAY TO DRIFT into glasshouses, or onto other agricultural or horticultural crops, amenity plantings or gardens. Not to be used in glasshouses.

Kaskara contains an ester formulation and vapour may be liable to drift under hot conditions. Assess the risk to plants in the vicinity before spraying.

Desired amenity species may be damaged if they have roots extending into the treated area.

Do not allow spray applications to come into any contact with desired broad-leaved trees. Although when completely dormant most species of conifers are not susceptible to KASKARA, contact with spray should be avoided.

Do not treat grass crops intended for seed production.

Do not sow any crop into a sward treated with Kaskara for at least 6 weeks after application.

The growth of certain grass species such as bents and Yorkshire Fog may be temporarily suppressed by the application of Kaskara.

Docks and other weeds sprayed with Kaskara may become increasingly palatable to stock and may therefore be preferentially grazed.

b) WEEDS CONTROLLED AND CROP SPECIFIC INFORMATION

1.WEED CONTROL IN GRASSLAND

Kaskara controls or suppresses a wide range of perennial weeds. Kaskara may be applied at between 2.0 - 5.0 litres per hectare, depending on the weed species present, and the required level of control. Repeat applications in the same season or following seasons may be required for long-term control.

Definitions

Susceptible:	Consistently high levels of control obtained under good growing conditions.
Moderately Susceptible:	Top growth usually killed and a useful measure of long-term control obtained under good growing conditions.
Moderately Resistant:	A variable effect on top growth according to growing conditions. Little long term control likely.

Weeds Controlled at 5.0 l/ha

Susceptible

Common Nettle	Plantains
Creeping Thistle	Spear Thistle

Moderately Susceptible

Common Daisy	Dandelion
Common Ragwort	Broad-leaved Dock
Creeping Buttercup	Curled Dock

Common Nettle is susceptible at 3.0 l/ha. All other species shown above (with the exception of Common Daisy which is moderately resistant) are moderately susceptible at 3.0 l/ha

A reduced rate of 2.0 l/ha may be used for a check on top growth of perennial weeds, or as a follow-up treatment applied in the same season as an earlier treatment.

Common Ragwort will require spraying over a minimum of two years for complete control. For better control of Common Ragwort, up to 2.0 l/ha of approved formulations containing 500 g/litre 2,4-D may be added. Broad-leaved Dock, Creeping Buttercup and Curled Dock may require repeat treatment if regrowth occurs.

Apply KASKARA to actively growing weeds that have well developed foliage, but before the flower buds have opened, usually in late spring or summer but not when rain is imminent nor in periods of drought or very hot or cold weather. Control may be reduced if rain falls within 2 hours of application. For best results treat Nettles when they are within the range 30 - 45 cm high. Other broad-leaved weeds are best treated when they have a well-developed 'rosette' of leaves.

2. CONTROL OF WOODY WEEDS

2.1 Foliage Applications

Apply KASKARA after the first flush of spring growth has occurred, typically between July and September, with a knapsack sprayer equipped and calibrated to give a FINE spray, and apply to all foliage to be controlled to the point of run-off. More than one application may be needed for complete control of all recommended species. Do not treat when senescence is evident.

Weed Species and Height	Dilution Rate
Brambles	10 ml of KASKARA per litre water
Broom, Gorse (up to 1 metre high).	20 ml of KASKARA per litre water
Ash, birch, buckthorn, chestnut, hazel, oak, sycamore (1 - 2 metres high).	65 ml of KASKARA per litre water
Japanese knotweed (1 - 2 metres high)	75 ml of KASKARA per litre water
Rhododendron (1 - 2 metres high)	75 ml of KASKARA per litre water

Where KASKARA has been applied at rates of up to 20 ml per litre of water, do not replant in the treated area until 1 month has elapsed after treatment. Where KASKARA has been applied at 65 - 75 ml per litre of water, do not replant until 3 months have elapsed after treatment.

2.2 Tree stump treatments

Apply KASKARA after felling up to the start of regrowth with a knapsack sprayer to apply a medium spray to the outer rim of the stump. It is not necessary to treat the central heartwood of the stump. A suitable dye may be added to the diluted spray to indicate treated stumps. Hazel and Oak are less well controlled than other species.

