

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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACESHIELD) when applying by hand held equipment and handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle mounted equipment.

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

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

TAKE OFF IMMEDIATELY all contaminated clothing.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

WASH CONCENTRATE from skin or eyes immediately.

AVOID ALL CONTACT BY MOUTH.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

IF YOU FEEL UNWELL seek medical advice and show this label where possible.

Consumer protection:

DO NOT USE ON FOOD CROPS.

Environmental protection:

DANGEROUS TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

KEEP LIVESTOCK OUT of treated areas for at least 7 DAYS. If poisonous weeds such as ragwort are present DO NOT cut or graze until all foliage has died and become unpalatable.

DO NOT roll or harrow grassland during seven (7) days before or after treatment.

DO NOT cut treated grassland for at least fourteen (14) days after treatment.

Storage and disposal:

KEEP AWAY FROM FOOD, DRINK OR ANIMAL FEEDING STUFFS.

KEEP OUT OF THE REACH FROM 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.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL/HORTICULTURAL AND FORESTRY HERBICIDE

Crops/Situations:	Maximum Individual Dose:	Maximum Total Dose:	Maximum Number of Treatments:	Latest Time of Application:
Amenity grassland, permanent grassland and rotational grass, and areas or surfaces not intended to bear vegetation	5.0 L/ha or 20 ml/L water	10 litres/ha/yr	2	Apply to actively growing weeds before flower buds have opened or at the rosette stage
Farm forestry, forest (Foliage spray)	75 ml/L water		2	End of summer
Farm forestry, forest (Cut and stump spray)	150 ml/L water		2	After felling up to the start of re-growth

Other specific restrictions:

- When using a knapsack sprayer:
 - For foliar applications, the maximum concentration must not exceed 75 ml product/litre water.
 - For cut and stump applications, the maximum concentration must not exceed 150 ml product/litre water.
- When using a tractor mounted weed-wipe the maximum concentration must not exceed 1 part product: 3 parts water.
- When using hand held ropewick guidance, the maximum concentration must not exceed 1 part product: 8 parts water.

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

FOR TECHNICAL and NON-EMERGENCY ENQUIRIES: CALL 01480 418069
(UAP-products@UAP-europe.com)

IN CASE OF TRANSPORT or TOXIC EMERGENCY CALL 01865 407333 (24hr contact)

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DIRECTIONS FOR USE of CleanCrop BROADSHOT

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 OR WARNINGS

- Do not spray where clovers or other legumes are an important part of the sward.
- CleanCrop BROADSHOT* may be applied to grassland that has been established for a minimum of twelve months.
- DO NOT ALLOW SPRAY TO DRIFT into greenhouses, or onto other agricultural or horticultural crops, amenity planting or gardens.
- DO NOT use in glasshouses.
- CleanCrop BROADSHOT* contains an ester formulation and vapours 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 *CleanCrop BROADSHOT*, contact with the spray should be avoided.
- DO NOT treat grass crops intended for seed production.
- DO NOT sow any crop into a sward treated with *CleanCrop BROADSHOT* 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 *CleanCrop BROADSHOT*.
- Docks and other weeds sprayed with *CleanCrop BROADSHOT* may become increasingly palatable to stock and may therefore be preferentially grazed.

WEEDS CONTROLLED IN GRASSLAND and AMENITY GRASSLAND

CleanCrop BROADSHOT controls or suppresses a wide range of perennial weeds. *CleanCrop BROADSHOT* 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 litres/ha (1)

Susceptible	Moderately Susceptible
Creeping Thistle	Broad-leaved Dock
Common Nettle	Common Daisy
Plantains	Common Ragwort
Spear Thistle	Creeping Buttercup
	Curled Dock
	Dandelion

COMMON RAGWORT

Common Ragwort will require spraying over a minimum of two years for complete control. Broad-leaved Dock, Creeping Buttercup and Curled Dock may require repeat treatment if re-growth occurs.

COMMON NETTLE

(1) Common Nettle is SUSCEPTIBLE at 3.0 litres/ha. Common Daisy is MODERATELY RESISTANT at 3 litres/ha, all other species shown above are MODERATELY SUSCEPTIBLE at 3.0 litres/ha.

TOP GROWTH

A reduced rate of 2.0 litres/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. If used prior to hay or silage-making, this should be applied at least one month before cutting for the full effects to occur.

Control of Woody Weeds

Foliage Applications

Apply *CleanCrop BROADSHOT* 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: 10ml of *CleanCrop BROADSHOT* per litre of water.
- Broom, Gorse (up to 1 metre high), 20ml of *CleanCrop BROADSHOT* per litre of water, Ash, birch, buckthorn, chestnut, hazel, oak sycamore (between 1-2 metres high).
- Japanese knotweed (1-2 metres high) 65ml of *CleanCrop BROADSHOT* per litre of water.
- Rhododendron (1-2 metres high) 75ml of *CleanCrop BROADSHOT* per litre of water.

Where *CleanCrop BROADSHOT* 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 *CleanCrop BROADSHOT* has been applied at 65-75 ml per litre of water, do not replant until 3 months have elapsed after treatment.

Apply *CleanCrop BROADSHOT* 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.

MIXING AND SPRAYING

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.

Shake the container well before use.

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

Overall Application

This method is recommended when weed populations are high and there is a large area to be treated. Apply *CleanCrop BROADSHOT* in 200 to 400 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.

Knapsack Application

This method is recommended for spot treatment of weeds, e.g. clumps of Nettles, Common Ragwort, Docks or other weeds. Add 10ml of *CleanCrop BROADSHOT* per litre of water and apply as a medium spray to just before run-off occurs. Alternatively, add 20ml of *CleanCrop BROADSHOT* 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.

Handlance Application

Weeds should be sprayed until just before run off occurs.

Ropewick Application

Under certain conditions application using a Ropewick 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.

Rate of use:

Tractor mounted: 1 part *CleanCrop BROADSHOT* with 3 parts water
Hand-held: 1 part *CleanCrop BROADSHOT* 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.

Tree Stump Treatments

Apply *CleanCrop BROADSHOT* after felling up to the start of re-growth 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.

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

Tree Stump Diameter	Rate of DILUTED CleanCrop BROADSHOT
0.1m (4")	20 ml diluted spray
0.2m (8")	40 ml diluted spray
0.4m (16")	80 ml diluted spray
0.8m (30")	160 ml diluted spray
1.0m (40")	200 ml diluted spray

Do not replant within one metre of treated tree stumps until 3 months after application; areas beyond one metre of the treated stump may be planted at any time. Any re-growth from treated stumps should be treated with a spray of *CleanCrop BROADSHOT* to the growing foliage.