



Risk & Safety Information

Danger

Flammable liquid and vapour
 May be fatal if swallowed and enters airways.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Causes serious eye damage.
 Very toxic to aquatic life with long lasting effects

Keep out of reach of children.
 Keep away from heat, open flames, sparks. – No smoking.
 Wear eye protection, face protection, protective clothing, protective gloves
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Do NOT induce vomiting
 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste.
 Do not apply by hand-held equipment

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

PCS No. 06757

SAFETY PRECAUTIONS

Operator protection

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.
 WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.
 WASH CONCENTRATE from skin or eyes immediately. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work.
 DO NOT APPLY BY hand-held equipment.

Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface waters/ Avoid contamination via drains from farmyards and roads.
 To protect aquatic organisms respect an unsprayed buffer zone of 7m to surface water bodies.
 Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.
 WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.
 KEEP LIVESTOCK OUT of treated areas for at least 2 weeks following treatment and until poisonous weeds such as ragwort have died and become unpalatable.

Storage and disposal

DO NOT RE-USE CONTAINER for any purpose.
 PROTECT FROM FROST.
 KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.
 WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely. Keep away from food, drink and animal feedingstuffs.



DHM Agrochemicals



UpRoot

Grassland WeedKiller

Contains 103.6 g/l triclopyr acid equivalent under the triclopyr butoxy-ethyl ester (BEE) form, 93 g/l 2,4-D acid equivalent under the 2,4-D ethyl-hexyl ester (EHE) form, formulated as an Emulsifiable Concentrate (EC).

A selective herbicide for use only in established grassland

Important Information

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE.

Crops: Grassland
 Maximum individual dose: 4.6 litre product/ha
 Maximum number of treatments: 1 per year
 Maximum total dose: 4.6 litres product/ha
 Latest time of application: End of Summer

Do not apply by hand-held equipment

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.

Manufacturing date and batch no.: see packaging

Manufacturer

Arysta LifeScience Benelux Sprl
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Approval holder:

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For Professional use only

Net Contents: **5 litre** e

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

UpRoot may be applied to grassland that has been established for a minimum of twelve months.
 Do not apply to grass suffering from drought, during freezing conditions or when rain is imminent.
 Do not cut treated grassland for 14 days after treatment. Do not roll or harrow treated grassland with 7 days of spraying.
 The first four mowings of treated grass must be composted for six months before use as mulch.
 Do not treat grass crops intended for seed production.
 Do not use overall applications of UpRoot where clover is an important part of the sward.
 Do not sow any crop into a sward treated with UpRoot for at least six weeks after application. Do not sow any broadleaf crop into a treated area for at least three months.
 The growth of certain grass species such as bents and Yorkshire Fog may be temporarily suppressed by the application of UpRoot.
 DO NOT ALLOW SPRAY TO DRIFT into greenhouses, or onto other agricultural or horticultural crops (grapevines, orchards, vegetables, ornamentals, oilseed rape), amenity plantings or gardens. Not to be used in glasshouses.
 UpRoot contains an ester formulation and vapor may be liable to drift under hot conditions. Assess the risk to plants in the vicinity before spraying.
 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 UpRoot, contact with spray should be avoided.
 Keep livestock out of treated areas for at least 14 days and until poisonous weeds such as ragwort have died and become unpalatable.

b) WEEDS CONTROLLED AND CROP SPECIFIC INFORMATION

UpRoot is a weedkiller that can be used in permanent grassland and rotational grass. UpRoot contains 2 active substances: 2,4-D (family of the aryloxyacids) and triclopyr (family of the picolinic acids), both active substances acting as a foliar and systemic herbicide. Areas treated remain green due to its safety towards grasses.

General recommendations

Sensitivity of the weeds to UpRoot is variable. However, a dose rate of 4.6 L / ha should allow sufficient control of the following weeds. Follow up treatment may be required either with UpRoot in the following year or with a different herbicide product if re-treatment is required in the first year.

Major weeds	Brambles (<i>Rubus sp.</i>) Nettle (<i>Urtica dioica</i>) Docks (<i>Rumex sp.</i>) Thistle (<i>Cirsium arvense</i>)
Other broadleaf weeds	Buttercup (<i>Ranunculus sp.</i>) Clover (<i>Trifolium A.</i>) Common dandelion (<i>Taraxacum o.</i>) Willow-herb (<i>Epilobium sp.</i>)

c) MIXING AND SPRAYING

UpRoot should be used under good growing conditions, from spring until end of summer, when foliage is well developed but before flowering. Do not treat when senescence is evident.

Apply as a MEDIUM quality spray (BCPC definition).

Apply at a rate of 4.6 L product/ha using tractor-mounted broadcast sprayer using a water volume of 350-500 L/ha.

DO NOT USE A FINE SPRAY UNDER CONDITIONS WHERE DRIFT IS LIKELY TO OCCUR.

Wash out container thoroughly, empty washings into spray tank and dispose of safely. After use, thoroughly decontaminate the sprayer by rinsing three times with water.

d) RESISTANCE

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered to be resistant to a herbicide if it survives a correctly-applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures.

Conditions of Supply

Seller warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such labels, only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or manner of use or application, all of which are beyond the control of the seller. In no case shall seller be liable for consequential, special or indirect damages resulting from the use of handling of this product. All such risks shall be assumed by the buyer. Seller makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.