



# VOLCANO<sup>®</sup>

## HERBICIDE

### MAPP 18926

For use as a contact and residual pre and post-emergence herbicide on sugar beet, fodder beet and mangels.

Suspension Concentrate containing 350 g/l (30.7% w/w) metamitron and 150 g/l (13.2% w/w) ethofumesate.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.



### Warning

**Harmful if swallowed.**

**Very toxic to aquatic life with long lasting effects.**

Avoid release to the environment.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Do not eat, drink or smoke when using this product.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

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

A3.0 VOLCANO UK 210119 NgA 3433-1

## IMPORTANT INFORMATION

### FOR USE ONLY AS A PROFESSIONAL HERBICIDE

#### Crops

Sugar beet, fodder beet,  
and mangels

**Maximum individual  
dose (L product/ha)**

2.0

**Maximum total dose  
(L product/ha/crop)**

6.0

**Latest timing of  
application**

Before crop leaves  
meet between the rows

#### OTHER SPECIFIC RESTRICTIONS

1. To protect groundwater the maximum total dose must not exceed 1.0 kg ethofumesate per hectare in any three year period.
2. Fodder beet and mangels must not be grazed by livestock or harvested for animal consumption until at least 103 days following the last application.
3. Beet crops may be sown at any time following the use of VOLCANO. Three months must elapse before any other crop is sown.

**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 PRECAUTIONS

### OPERATOR PROTECTION

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must wear suitable protective clothing (coveralls), suitable protective gloves and face protection (faceshield) when handling the concentrate. Operators must wear suitable protective clothing (coveralls) and suitable protective gloves when handling contaminated surfaces.

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

**DO NOT BREATHE SPRAY.**

**WASH HANDS AND EXPOSED SKIN** before eating, drinking or smoking, and after work.

### ENVIRONMENTAL PROTECTION

Do not contaminate surface waters or ditches with chemical or used container.

### STORAGE AND DISPOSAL

**KEEP IN ORIGINAL CONTAINER**, tightly closed, in a safe place.

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

**DO NOT RE-USE CONTAINER** for any purpose.

## 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.

VOLCANO is a contact and residual pre and post-emergence herbicide for the control of annual broadleaved weeds in sugar beet, fodder beet and mangels.

### 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. 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.

### RESTRICTIONS

The product may be safely used on all commonly grown sugar beet varieties under normal conditions. Crop tolerance may be reduced by stress caused by growing conditions, effects of pests, disease or other pesticides, nutrient deficiency, etc.

### WEEDS CONTROLLED

Best results are obtained from a series of treatments applied as an overall fine spray commencing when earliest germinating weeds are no larger than fully expanded cotyledon and the majority of the crop is at the fully expanded cotyledon stage. VOLCANO may be used on all soil types but residual activity may be reduced on those with more than 5 % organic matter.

The following weeds are **susceptible** at the recommended dose of 2 litres/ha:

Common chickweed	Field pansy
Common hempnettle	Redshank
Fat hen	Red deadnettle
Field penny-cress	Shepherd's purse

The following weeds are **moderately susceptible** at the recommended dose of 2 litres/ha:

Black bindweed	Corn chamomile
Charlock	Volunteer oilseed rape
Common amarant	

### CROP SPECIFIC INFORMATION

VOLCANO should be used as a split application, where up to 3 applications can be made per crop.

#### Pre-emergence

The first application can be made pre-emergence at a maximum application rate of 2.0 l/ha. Only 1 application can be made pre-emergence.

#### Post-emergence

If a pre-emergence application has already been made, up to 2 post-emergence applications can be made. Alternatively, if no pre-emergence application has been made up to 3 post-emergence applications can be made.

The first post-emergence application can be made on small, emerging weeds and when the majority of the crop is at the fully expanded cotyledon stage. Best effects are achieved when weeds are at the cotyledon stage. A follow up spray should be made on newly emerging weeds. A minimum of 5 days must elapse between treatments.

A maximum individual dose of 2.0 l/ha applies and no more than 6.0 l/ha may be applied in total taking into account pre and post-emergence applications.

VOLCANO can be used in combination with a suitable adjuvant and/or approved herbicides. Information on compatibilities is provided on the UPL website ([uk.uplonline.com](http://uk.uplonline.com)).

### MIXING AND APPLICATION

For pre-emergence applications use 200 litres water per ha. For post-emergence applications apply in 80-200 litres water per ha. Apply as a FINE spray (BCPC quality).

On emptying the container, 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 container safely.

Half fill the sprayer tank with clean water. Begin agitation and add the required quantity of VOLCANO to the sprayer tank. Then add the adjuvant oil and/or other herbicide, if appropriate. Fill the spray tank whilst agitating and maintain agitation until spraying is completed.

When spraying take care to avoid drift onto neighbouring crops, buildings or non-target plants.

After spraying drain the tank completely and thoroughly clean the inside of the tank. Flush the tank, hoses and boom with clean water for at least 5 minutes.

Partially fill the tank with clean water and add a cleaning agent. Complete filling the tank with water, then flush the cleaning solution through the hoses, boom and nozzles. Repeat this procedure with clean water.

Remove the nozzles and screens and clean separately in a bucket containing water (and cleaning agent).

### **FOLLOWING CROPS**

Deep and thorough soil cultivation is necessary before sowing or planting succeeding crops. Plough to a depth of 15-20 cm.

Beet crops may be sown at any time after the use of VOLCANO. Following normal harvest any other crop may be sown after mould-board ploughing to a minimum depth of 15cm.

### **COMPATIBILITY**

The UPL website provides further information on tank mixtures, please visit [uk.uplonline.com](http://uk.uplonline.com).

### **CONDITIONS OF SUPPLY**

All goods supplied by the company are of good quality and we believe them to be fit for purpose. However, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or after application, which may affect the performance of the goods, 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 or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods. Brand names used in this label may be registered trademarks of UPL Europe Ltd, or other manufacturers in which proprietary rights may exist.

To access the Safety Data Sheet for VOLCANO please use the link below or scan the code.



<http://www.upleurope.com/product-list.html>

Alternatively, contact your local supplier.

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Crops	Maximum individual dose (L product/ha)	Maximum total dose (L product/ha/crop)	Latest timing of application
Sugar beet, fodder beet, and mangels	2.0	6.0	Before crop leaves meet between the rows

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## SHAKE WELL BEFORE USE

For Batch Number and Manufacturing Date see container

### UPL Europe Ltd

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For 24 hour emergency information contact:

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