

# VOLCAN COMBI

(MAPP 16681)

A suspension concentrate formulation containing 300g/l Chloridazon and 280g/l Metamitron.

A herbicide for use in sugar beet and fodder beet, controlling a wide weed spectrum, including many important broad-leaved weeds.

## WARNING



May cause an allergic skin reaction.  
Very toxic to aquatic life with long lasting effects

Wear protective gloves/clothing and eye/face protection.

IF ON SKIN: Wash with plenty of soap and water.

IF skin irritation or rash occurs: Get medical advice/attention. Collect spillage.

Dispose of contents/container to a licensed waste disposal contractor or collection site except for triple rinsed empty containers which can be disposed of as non-hazardous waste. Do not contaminate water with the product or its container.



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

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

FOR 24 HOUR EMERGENCY INFORMATION TELEPHONE 01763 212 100.

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Scan to view the  
Safety Data Sheet

Alternatively, download the Safety Data Sheet  
from [sipcammuk.co.uk](http://sipcammuk.co.uk) or contact your supplier.

[sipcammuk.co.uk](http://sipcammuk.co.uk)

HERBICIDE

Net contents:

5Le

Batch Number: SEE PACKAGE

  
SIPCAM  
UK

## IMPORTANT INFORMATION

### IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops / situations	Maximum individual dose: (L product/ha)	Maximum number of treatments per crop	Latest time of application:
Sugar beet Fodder beet	3	1	Pre-emergence

#### Other specific restrictions:

A maximum total dose of 2.6kg chloridazon/ha may be applied every third year on the same field.

The maximum concentration must not exceed 3 litres of product per 100 litres of water.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW 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

- AVOID ALL CONTACT WITH SKIN AND EYES
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.
- WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying the product
- WASH CONCENTRATE from skin and eyes immediately.
- IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL
- WHEN USING DO NOT EAT, DRINK OR SMOKE.
- WASH HANDS AND EXPOSED SKIN before meals and after work.

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

### 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. Use appropriate containment to avoid environmental contamination. Avoid release to the environment. Refer to safety data sheet

### Storage and Disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. EMPTY CONTAINER COMPLETELY AND DISPOSE SAFELY. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF REACH OF CHILDREN. This material and its container must be disposed of in a safe way.

## DIRECTIONS FOR USE

### INTRODUCTION

VOLCAN COMBI has residual action, which controls germinating weeds during or shortly after emergence. VOLCAN COMBI FL is less dependent on soil moisture than many other residual herbicides, however best results will be obtained from application to a moist seed bed. Adequate soil moisture or irrigation or rainfall soon after application is essential for best results.

Applications should be made to a fine, firm, level seedbed. VOLCAN COMBI FL is suitable for mineral and organic soils with less than 5% organic matter.

If very light soils have a high proportion of stones, growers should consult their Sipcarn Agriculture representatives. All varieties of sugar beet may be treated with VOLCAN COMBI FL.

### PRE-EMERGENCE APPLICATION

Effective weed control in sugar beet crops is best achieved through a sequential programme of sprays. The use of pre-emergence treatments improves overall weed control within the spray programme and increases the flexibility for timing of post-emergence herbicide treatments.

Application of VOLCAN COMBI FL pre-emergence of the crop will improve the efficacy of the post emergence programme particularly where post-emergence sprays may be delayed, for example by adverse weather.

Apply VOLCAN COMBI FL at a rate of 3 l/ha. Pre-emergence application should be made as part of a sugar beet spray programme and followed by an appropriate post-emergence spray programme as further flushes of weeds appear.

## WEED CONTROL

### Weeds susceptible at early cotyledon stage\* from a series of well timed sprays of VOLCAN COMBI FL Susceptible weeds\*

Annual Meadow grass	Hemp-nettle	Penny-cress
Black-bindweed	Common Knotgrass	Field Persicaria
Buttercup	Marigold, Corn	Pale Pineappleweed
Creeping Charlock	Mayweeds	Poppy
Chickweed	Mignonette	Common Redshank
Common Dead-nettle,	Wild Nettle	Shepherd's-purse
Red Fat-hen	Small Orache	Sow-thistle
Flixweed Forget-me-not	Common Pansy	Smooth Speedwells
Field Fumitory	Field Parsley	Spurrey Corn
Common Groundsel	Fool's Parsley-piert	Tarweed

### SIPCARN UK CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but as we cannot exercise control over their mixing and use, 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 for any damage or injury whatsoever arising from their storage, handling, application or use.

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### WATER VOLUME

Apply VOLCAN COMBI FL overall in 200 litres water per hectare using a FINE spray (BCPC classification).

For pre-emergence use on sugar and fodder beet, the maximum concentration must not exceed 3 litres product per 100 litres of water.

### MIXING and CLEANING

Clean the sprayer; spray bars and nozzles to ensure that there are no traces of the previous products. This is most important after hormone and sulfonyl urea weedkillers.

Check that nozzle tips are clean, undamaged, of the required type to give the correct spray quality spray, and are all of the same size, giving equal outputs and distribution.

Add a small quantity of clean water to the tank, just sufficient to cover the inlet to the pump.

Check that agitation is operating correctly. Add the necessary quantity of VOLCAN COMBI FL to the water in the sprayer, whilst the agitator is operating. Mix only sufficient chemical for immediate use. Add water to the required level. Continue agitation until the tank load is used.

Ensure that the spray nozzles are set at the correct height to give even spray cover.

Commence spraying, being careful to maintain correct pressure and tractor speed.

Avoid overdosing or drift onto neighbouring crops. Following use of VOLCAN COMBI FL spray equipment should be thoroughly cleaned.

There are no specific requirements for cleaning following use of VOLCAN COMBI FL.

Growers should consult manufacturer's guidance for procedures for their specific equipment, and use a combination of triple rinsing and agitation with clean water.

Equipment Washings should be disposed of safely following the Code of Practice for Using Plant Protection Products and relevant Environment Agency guidance.

### CONTAINER DISPOSAL

Consult the HSE publication "Code of Practice for the safe Using Plant Protection Products.

### CROP SAFETY

When used as recommended VOLCAN COMBI FL exhibits great safety to beet, combined with dependable weed control. However, the beet plant is very sensitive to herbicide treatments, especially if under stress from other factors, for example; previously applied pesticides and herbicides, soft-growth after prolonged rain, sudden changes in temperature, high light intensity, high radiant temperatures at time of application, prolonged low temperature periods, the use of certain soil insecticides particularly on sandy soils, damage by wind blows, nutrient deficiencies such as manganese, and other stress factors, including insect and fungal attack.

Under these conditions crop tolerance to VOLCAN COMBI FL may be reduced, particularly when used in conjunction with other herbicides, either as tank mixes or sequentially.

### Frost

As with other beet herbicides, crops sprayed pre-emergence with VOLCAN COMBI FL and subsequently subjected to frost may be checked such that they may not fully recover.

### Successing Crops

Only sugar beet or mangels should be sown within 4 months of the last application of VOLCAN COMBI FL. Winter cereals may be sown 16 weeks after the last application of VOLCAN COMBI FL. Mouldboard ploughing to a depth of 15cm followed by thorough cultivation is recommended before planting any crop.

### Adjacent Crops

Avoid overspray or spray drift onto plants outside the target area particularly in hedgerows and field margins

### RESISTANCE

Annual grasses and broad leaved weeds can develop 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 UK-Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor; crop adviser or product manufacturer. Protect from frost. Shake well before use. Extreme care must be taken to avoid spray drift onto non-target plants outside the target area.