

### Safety Information

## WARNING



- Causes serious eye irritation.
- May cause damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long-lasting effects.
- Suspected of damaging the unborn child.
- Do not eat, drink or smoke when using this product.
- Do not breathe spray.
- Wear protective gloves/clothing and eye/face protection.
- IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- In case of inadequate ventilation wear respiratory protection.
- Collect spillage.
- Dispose of contents/container to a licenced hazardous waste disposal contractor or collection site except for triple rinsed empty 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.

PCS Number 06825

**24 Hour Emergency Number +44 (0)1763 212100 In the event of an emergency, call the National Poisons Centre, Beaumont Hospital 01 809 2566 or 01 837 9964**

#### Authorisation Holder

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Scan to view the  
Safety Data Sheet

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

**SIPCAM UK LTD CONDITIONS OF SUPPLY** - All good supplied by us are of high grade, but as we cannot exercise control over their mixing or use, all conditions or warranty, statutory or otherwise, as to the quality or fitness of our goods for any purpose are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use.

UFI: 05GE-C14G-UC0N-6X4U

HERBICIDE

Net contents:

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# IMPORTANT INFORMATION

## FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops	Maximum individual dose: (L product/hectare)	Maximum total dose: (L product/hectare)	Maximum number of treatments	Latest time of application
Forage and grain maize including crops grown under plastic	1.0	1.0	1	Pre-emergence of crop (BBCH 09)

Other specific restrictions: Do not apply on sands or very light soils. Residual weed control will be reduced on soils with over 10% organic matter.

**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.

**WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES** when handling the concentrate or when handling contaminated surfaces.

**WHEN USING DO NOT EAT, DRINK OR SMOKE.**

**WASH HANDS AND EXPOSED SKIN** before meals and after work.

### 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.

Extreme care must be taken to avoid drift on to crops and non-target plants outside the treated area.

Aim spray away from water.

To protect non-target plants respect an unsprayed buffer zone of 5 m to non-agricultural land.

### Storage and disposal:

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

**RINSE CONTAINER THOROUGHLY** manually rinsing three times. Add washings to sprayer at the time of filling and dispose of safely.

**KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.**

**KEEP OUT OF REACH OF CHILDREN.**

The ideal storage conditions of ISERAN range from temperature of 0-30 °C.

## 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.

ISERAN is a herbicide for the control of broad-leaved weeds in forage and grain maize including crops grown under temporary plastic.

### Restrictions/Warnings

Do not apply to broadcast crops.

Some transient crop bleaching may occur under certain climatic conditions and can be severe where heavy rainfall follows application. This transient crop effect is rapidly outgrown and has no effect on crop yield.

Do not use on soils that are compacted or of a poor structure which may then be liable to water logging.

Reduced levels of weed control may occur if application is made to dry cloddy seedbeds or if a prolonged dry period follows application.

Do not overlap spray swaths.

For crop safety ensure seed is well covered with a MINIMUM of 20mm of settled soil.

Do not use on sands or very light soils. Do not use on soils with more than 10% organic matter.

EXTREME CARE MUST BE TAKEN TO AVOID SPRAY DRIFT to avoid damage to plants outside the target area

DO NOT APPLY under windy conditions.

Consult processor before using on crops for processing.

Addition of an adjuvant or tank mix wetting agent is not recommended.

## WEED CONTROL

The following weeds are controlled by a pre-emergence application of ISERAN at 1.0 litre/ha.

Weed (EPPO code)	Pre-emergence
	1.0 L/ha
Fat hen (CHEAL)	x
Common groundsel (SENVU)	x
Pale persicaria (POLLA)	x
Scented mayweed (MATCH)	x

It is important for crop safety that the seed is covered by a minimum of 20mm of soil. Direct-drilled crops should be harrowed across plits to cover the seed before spraying. Where direct drilled crops are treated then ploughing and cultivating to a depth of 15cm must take place before the planting of any subsequent crop. For optimum efficacy seedbeds should be firm, level and free of clods, loose and puffy seedbeds should be consolidated before spraying.

## Resistance management

ISERAN contains clomazone and mesotrione belonging to HRAC Mode of Action Groups 13 and 27 respectively.

There is a risk of the development of weed resistance to ISERAN. A strategy for preventing and managing such resistance should be adopted that includes alternation with herbicides with a different mode of action and a similar spectrum of activity. Guidelines have been produced by the Weed Resistance Action Group and copies are available from your distributor, crop adviser or product manufacturer.

## Mixing

Never prepare more spray solution than is required.

Half fill the tank with clean water and start agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity of ISERAN to the spray tank while re-circulating adding the specified amount of ingredients using the following order: dry formulations (e.g. wettable powders, dry flowables) first, liquid suspension (e.g. water suspension, flowables) next and finally liquids and nutrients (SLs). Mixtures with oil dispersion formulations are discouraged. Fill up the tank with water and continue agitation until spraying is completed.

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. Continue agitation during spraying.

Tank mixtures: For details of compatibility, please contact your local Sipcam UK Ltd representative or call the Sipcam UK Ltd Technical Helpline (01763 212100) or visit our website ([www.sipcamuk.co.uk](http://www.sipcamuk.co.uk))

## Application

Ensure good, even spray cover of the target crop and weeds. Apply using COARSE quality spray, as defined by BCPC, through a conventional field crop sprayer. Do not leave spray liquid in the sprayer for longer periods (i.e. overnight).

Apply ISERAN in 200L of water/ha.

## Sprayer cleaning

Trace amounts of ISERAN remaining in spray equipment can damage subsequently treated crops. Immediately after use, spray equipment should be thoroughly cleaned.

Growers should consult manufacturer's guidance for procedures for their specific equipment, and use a combination of triple rinsing and agitation with clean water. Completely fill spray tanks with clean water at each rinse and ensure that spray equipment is thoroughly flushed.

## FOLLOWING CROPS

### Following crops after normal harvest

Autumn: Winter wheat (including durum wheat), winter barley, and rye grass can follow a maize crop. Deep ploughing (greater than 15cm) followed by cultivation is necessary before drilling oilseed rape.

Spring: Forage and grain maize, ryegrass, spring wheat and spring barley may be sown in the spring following application of ISERAN, do not sow any other crop at this time.

### In the event of crop failure

Ploughing is recommended prior to reseedling. Some slight crop effects may be seen soon after emergence, but these are usually transitory in nature. Forage and grain maize can be re-seeded immediately in case of crop failure.

**ISERAN** is a registered trademark of Sipcam Oxon S.P.A.