

SIRTAKI®

MAPP 18032

A herbicide for the control of annual grasses and broad-leaved weeds in potatoes, oilseed rape, field beans, combining peas, vining peas, carrots and sugar beet.

A capsule suspension formulation containing 360 g/l Clomazone.

GROUP 13 HERBICIDE

WARNING



Very toxic to aquatic life with long lasting effects

- Keep out of reach of children.
- Do not eat, drink or smoke when using this product.
- Avoid breathing spray.
- 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.

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

FOR 24 HOUR EMERGENCY INFORMATION TELEPHONE: 01763 212100

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

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

PROTECT FROM FROST.

Authorisation Holder

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Net contents:

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Batch number: SEE PACKAGE



Scan to view the Safety Data Sheet

Alternatively, download the Safety Data Sheet from sipcamuk.co.uk or contact your supplier.



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HERBICIDE

IMPORTANT INFORMATION: FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops/situations:	Maximum individual dose: (L product/ha)	Maximum total dose:	Maximum number of treatments: (per crop)	Latest time of application:
Potato	0.25	-	1	Pre-emergence
Field beans (winter), oilseed rape (winter)	0.33	-	1	Pre-emergence
Oilseed rape (spring)	0.25	-	1	Pre-emergence
Carrot, combining peas, field beans (spring), vining peas	0.25	-	1	Pre-emergence
Sugar beet	0.20	-	1	Pre-emergence

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 GLOVES when handling the concentrate or 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.

WHEN USING DO NOT EAT, DRINK OR SMOKE. WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

Do not contaminate surface water and ditches with chemical or used container.

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.

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 herbicide for the control of annual grasses and broad-leaved weeds in potatoes, oilseed rape, field beans, combining peas, vining peas, carrots and sugar beet.

1. Restrictions/Warning

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.

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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.

Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

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 2cm of settled soil.



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

Consult processors before using on crops for processing. The safety of SIRTAKI® to daughter tubers has not been tested. Consult the manufacturer or your advisor before using on seed crops. Contract agents should be consulted before using on crops grown for seed.

Use immediately, do not leave spray solution standing in the spray tank.

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

DO NOT APPLY under windy conditions.

Do not cultivate after application.

Crops emerged at the time of application may be severely damaged.

The use of drift reducing measures are advised and these include: the use of low drift nozzles (further information can be found in The Voluntary Initiative 'Best Practice Guide – Nozzle Selection and Maintenance' available on the website www.voluntaryinitiative.org.uk); only spray when wind speeds are between 1.2 – 4 miles per hour (Force 1 to 2 according to the Beaufort scale, measured at 10m above ground); maintain an appropriate boom height and forward speeds.

There is a risk to adjacent crops and non-crop vegetation from the volatilisation of clomazone. This may result in damage/bleaching to neighbouring vegetation. If effects are seen they must be reported via the stewardship program (see www.sipcamuk.co.uk or contact your crop protection distributor).

WEEDS CONTROL

All weed susceptibility ratings in the table below are for applications made pre-emergence of the weeds.

CROPS	Potatoes	Oilseed rape (winter)*	Oilseed rape (spring)	Field beans (winter)*	Field beans (spring) combining peas, vining peas, carrots	Sugar beet
Rate (Litres/ha)	0.25	0.33	0.25	0.33	0.25	0.20
Annual Meadow Grass		S				
Barnyard Grass	MS		MS	MS		
Black Bindweed	MS					MS
Black Nightshade	S			S		MS
Cleavers	S	S	S	S	S	S
Common Chickweed	S	S	S		S	MS
Common Fumitory	MS			MS		
Common Groundsel	S	S	S		S	MS
Field Pennygrass		S	S		S	
Fat-hen	MS	MS	MS	MS	MS	MR
Flixweed		S				
Red Dead Nettle	MS	S	MS	S	MS	
Shepherd's Purse	S	S	S		S	MS
Sowthistle		S				R
Common Speedwell	S	S	S		S	
Speedwells		S		S		

S = Susceptible MS = Moderately susceptible MR = Moderately Resistant R = Resistant *Season long control of weeds may not occur.

2. Resistance management

There is a risk for the development of weed resistance to SIRTAKI®. 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 the AHDB, CPA, your distributor, crop adviser or product manufacturer.

CROP SPECIFIC INFORMATION

3.1 Potatoes

Application rate (Litres/ha)	0.25 l/ha
Water volume	200-400 litres/hectare.
Timing	Apply as soon as possible after the last ridging and before soil cracking (usually 7 days before emergence)

3. Crop specific information

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 slits 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.

3.2 Field beans (winter) and oilseed rape (winter)

Application rate (Litres/ha)	0.33 l/ha
Water volume	200-400 litres/hectare.
Timing	Apply as soon as possible following sowing of the crop and before emergence of crop and weeds.

3.3 Oilseed rape (spring)

Application rate (Litres/ha)	0.25 l/ha
Water volume	200-400 litres/hectare.
Timing	Apply as soon as possible following sowing of the crop and before emergence of crop and weeds.

3.5 Sugar beet

Application rate (Litres/ha)	0.20 l/ha
Water volume	200-400 litres/hectare.
Timing	Apply as soon as possible following sowing of the crop and before emergence of crop and weeds.

3.4 Field beans (spring), combining peas, vining peas and carrots

Application rate (Litres/ha)	0.25 l/ha
Water volume	200-400 litres/hectare.
Timing	Apply as soon as possible following sowing of the crop and before emergence of crop and weeds.

FOLLOWING CROPS

4. Following crops

4.1 Following crops after normal harvest

After normal harvest of treated crops, plough and cultivate to at least 15cm before sowing subsequent crops. The following may be sown: cereals, oilseed rape, field beans, combining peas, potatoes, maize, linseed, sugar beet and turnip.

4.2 In the event of crop failure

In the event of crop failure the land must be ploughed or thoroughly cultivated to a minimum depth of 25cm.

The minimum intervals (specified below) should elapse between application of SIRTAKI® and the sowing of one of the following crops listed below.

Following autumn treatment, providing at least 6 weeks have elapsed winter field beans and winter cereals can be sown. In the following spring, spring cereals, combining peas, field beans, maize, turnip, onion, carrots, potatoes and linseed may be sown. However, at least 6 weeks must have elapsed before sowing potatoes, combining peas, and field beans, and at least 7 months must have elapsed before sowing spring cereals, maize, turnip, onion, carrots and linseed.

Following spring treatment, providing at least 6 weeks have elapsed, combining peas, field beans, potatoes, carrots, turnip, sugar beet, onions and linseed may be sown. After a period of at least 9 weeks has elapsed, maize or dwarf french beans may be sown.

5. Mixing and application

5.1 Mixing

Never prepare more spray solution than is required.

Half fill the tank with clean water and start the agitation. To ensure thorough mixing of the product, invert the container several times before opening. Add the required quantity to the spray tank while re-circulating. Fill up the tank with water and continue agitation until spraying is completed.

When tank mixes are to be used, take due note of any instructions given as to the order of mixing. Each product should be added separately to the spray tank and fully dispersed before the addition of any further product(s).

Use immediately after mixing.

On emptying the container, rinse container thoroughly. Add washings to sprayer at time of filling and dispose of container safely.

5.2 Application

Ensure good, even spray cover of the target using a COARSE quality spray.

5.3 Sprayer cleaning

Trace amounts of Argosy® CS remaining in spray equipment can damage subsequently treated crops. Immediately after use of Argosy® CS, 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. Spray equipment should not be drained or flushed onto land planted with or intended for planting with trees or crops other than oilseed rape, beans and peas.

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