



A microcapsule suspension concentrate formulation containing 40g/l Clomazone, 375 g/l Terbutylazine and 75g/l Mesotrione. A selective herbicide for the control of annual grasses and broad-leaved weeds in forage and grain maize including crops grown under plastic.

**RISK & SAFETY INFORMATION – 24 HOUR EMERGENCY NUMBER: +44(0)1763 212100**

## WARNING



- Harmful if swallowed
  - May cause damage to organs through prolonged or repeated exposure
  - Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
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- Wear gloves, protective clothing and eye/face protection.
  - IF SWALLOWED: Rinse mouth. Do not induce vomiting.
  - Do not eat, drink or smoke when using this product.
  - If exposed or concerned: Call a poison centre or doctor.
  - Collect spillage.
  - Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty clean containers which can be disposed of as non-hazardous waste.
  - To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies.
  - Direct spray away from water.

PCS Number 06577

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

**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.

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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.

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

HERBICIDE

Net contents:

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## FOR PROFESSIONAL USE ONLY

### 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	1.5 L/ha	1.5 L/ha per crop	–	Up to 6 leaves unfolded (GS16)
Restrictions: Do not apply on sands or very light soils. Residual weed control will be reduced on soils with over 10% organic matter.				
<b>READ ALL PRECAUTIONS BEFORE USE</b>				

## SAFETY PRECAUTIONS

### Operator protection:

Wear suitable protective gloves when handling concentrate.  
For use by tractor mounted/trailed sprayers.

### 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.

### Storage and disposal:

Keep in original container, tightly closed in a safe place.  
Rinse container thoroughly by using an integrated pressure device or manually rinsing three times. Add washings to sprayer at time of filling 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.

TONALE is a herbicide for the control of annual grass and broad-leaved weeds in forage and grain maize including maize grown under plastic.

### Restrictions/Warnings

For best results on open ground crops, young weeds are most susceptible.

Do not use on seed crops or on sweetcorn varieties.

TONALE should be applied pre-emergence to moist soils and to actively growing weeds used post-emergence.

Treatment in poor growing conditions or on dry soil may give less reliable control.

Do not spray when foliage is wet.

Under adverse conditions mild to moderate chlorosis may be observed on sprayed leaves, this effect is usually transient and does not affect yield.

Take extreme care to avoid drift onto plants outside the treated area.

Ensure spray swaths do not overlap.

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

The use of drift reducing measures are advised, 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](http://www.sipcamuk.co.uk) or contact your crop protection distributor).

### Resistance

There is a risk for the development of weed resistance to TONALE. 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.

### 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.

## WEED CONTROL

The following weeds are controlled by a pre-or early post-emergence (GS16) application of TONALE at 1.5 litres/ha.

Annual meadow grass (POAAN)	Moderately susceptible
Barnyard grass (ECGCG)	Susceptible
Hairy crabgrass (DIGSA)	Moderately susceptible
Black Bindweed (POLCO)	Susceptible
Fat Hen (CHEAL)	Moderately susceptible
Common Chickweed (STEME)	Susceptible
Black Nightshade (SOLNI)	Susceptible
Shepherd's Purse (CAPBP)	Susceptible
Cleavers (GALAP)	Susceptible
Mayweeds (MATSS)	Susceptible
Common Groundsel (SUNVU)	Susceptible
Speedwells (VERSS)	Susceptible
Redshank (POLPE)	Susceptible

### 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 of TONALE to the spray tank while re-circulating. 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.

### Application

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

Apply TONALE in 200-400L of water/ha. Higher volume may be required for dense or well developed weed populations.

### Sprayer cleaning

Trace amounts of TONALE 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

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### 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.

### 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 TONALE 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.