

## HERBICIDE

A 100 g/litre SC formulation containing mesotrione, a triketone herbicide for use in forage and grain maize.

Maximum application rate: 1.5 litres per hectare

Maximum no. of applications: 1 per crop

SECTION	PROFILE
<b>1. WILDLIFE</b>	CALLISTO is not classified as 'Harmful to game, wild birds and animals'.
<b>MAMMALS AND BIRDS</b>	No risk management is necessary to protect wild mammals and birds. CALLISTO is of low toxicity to both mammals and birds. The risk to wild mammals and birds feeding on treated areas is low due to the limited amount of residues likely to be consumed.
<b>2. BEES</b>	No risk management is necessary. CALLISTO is of low risk to honey bees.
<b>3. NON-TARGET INSECTS AND OTHER ARTHROPODS</b>	No risk management is necessary. CALLISTO poses a low risk to a range of arthropod species commonly found in and around treated fields.
<b>4. AQUATIC LIFE</b>	<p>CALLISTO is classified as 'Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment'.</p> <p>Whilst the toxicity of CALLISTO to aquatic plants is extremely high, it is of low toxicity to fish and daphnia. Care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container.</p> <p>Risk management is essential. CALLISTO can be used safely provided care is taken to ensure that surface waters or ditches are not contaminated with the product or the used container. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species.</p> <p>'Do not allow direct spray from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. Do not allow direct spray from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing water body. Aim spray away from water'.</p> <p>LERAP Category B. Buffer zone may be reduced (see LERAP Guidelines).</p>
<b>5. SOIL AND GROUNDWATER</b>	Mesotrione is impersistent in soil and has high to moderate mobility depending on the soil type. Use of CALLISTO according to the label instruction presents a low risk to groundwater.
<b>EARTHWORMS</b>	CALLISTO is of moderate toxicity to earthworms. No risk management is necessary as the risk to earthworms is low.
<b>SOIL MICRO-ORGANISMS</b>	CALLISTO is unlikely to have any long-term effect on soil microbial activity. The risk is therefore considered to be low. No risk management is necessary.
<b>6. NON-TARGET PLANTS</b>	No effects on non-target plant species are expected when CALLISTO is used as recommended.

**H E R B I C I D E****ALWAYS READ THE LABEL: USE PESTICIDES SAFELY**

Care must be taken to minimise the risk of surface water contamination from farmyard and field sources.

For further information about the environmental profile of this product contact:

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This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes Version 4.

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