

Environmental Information Sheet

CLEAVE®

MAPP 16774



CLEAVE is a suspo-emulsion (SE) formulation containing 2.5 g/ L florasulam and 100 g/ L fluroxypyr. Florasulam belongs to a class of herbicides (1,5c triazolopyrimidine sulfonanilides) known to inhibit the plant enzyme acetolactate synthase enzyme (ALS) and fluroxypyr to a group of herbicides (Pyridine carboxylic acids) known to disrupt plant cell growth in the newly forming stems and leaves.

CLEAVE is a post-emergence herbicide for use on winter and spring wheat, winter and spring barley, winter and spring oats and winter rye and triticale.

Maximum application rate: 1.5 L product/ha

Maximum total dose: 1.5 L product/ha

Section	Profile
1. WILDLIFE Mammals and Birds	<p>CLEAVE is not classified as '<i>Harmful to game, wild birds and animals.</i>'</p> <p>The active substances florasulam and fluroxypyr show low toxicity to mammals. In birds they show moderate and low toxicity respectively.</p> <p>When used according to the label, no risk management is necessary to protect wild mammals and birds.</p>
2. BEES	<p>No risk management is necessary and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.</p>
3. NON-TARGET INSECTS AND OTHER ARTHROPODS	<p>No risk management is necessary. CLEAVE poses a low risk to a range of arthropod species commonly found in and around treated fields.</p>
4. AQUATIC LIFE	<p>CLEAVE is classified as '<i>VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS</i>'.</p> <p>CLEAVE shows extremely high toxicity to aquatic organisms (algae and aquatic plants) and so 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. CLEAVE can be used safely providing care is taken to prevent spray drift reaching surface water. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species:</p> <p><i>'DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 metres of the top of the bank of a static or flowing water-body, or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water.'</i></p> <p>This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme.</p>

