

Environmental Information Sheet

STARANE XL[®] MAPP 10921



A suspension emulsion formulation containing 100 g/litre fluroxypyr, a pyridine carboxylic acid herbicide and 2.5 g/litre florasulam, a triazolopyrimidine herbicide, for control of weeds in cereals

Maximum individual dose: Spring wheat, barley, oats; 1.5 l/ha
(150 gas/ha fluroxypyr, 3.75 gas/ha florasulam)
Winter wheat, barley, oats; 1.8 l/ha
(180 gas/ha fluroxypyr, 4.5 gas/ha florasulam)

Maximum total dose per crop: As above

| Section | Profile |
|---|--|
| <p>1. WILDLIFE</p> <p>Mammals and Birds</p> | <p>STARANE XL is not classified as "<i>Harmful to game, wild birds and animals</i>".</p> <p>No risk management is necessary. STARANE XL has a low toxicity to mammals and birds. It poses a low risk to birds and mammals living and feeding in treated areas.</p> |
| <p>2. BEES</p> | <p>No risk management necessary. STARANE XL has a low risk to honeybees and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.</p> |
| <p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p> | <p>No risk management necessary. STARANE XL poses a low risk to a range of arthropod species commonly found in and around treated fields, such as predatory beetles (e.g. <i>Poecilus cupreus</i>), spiders (<i>Pardosa</i> spp.), predatory mite (e.g. <i>Typhlodromus pyri</i>), aphid parasitoid wasp (<i>Aphidius rhopalosiphi</i>) and lacewing (<i>Chrysoperla carnea</i>).</p> |
| <p>4. AQUATIC LIFE</p> | <p>STARANE XL is classified "<i>Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment</i>".</p> <p>STARANE XL has a moderate toxicity to fish and <i>Daphnia</i> (water fleas), high toxicity to algae and is extremely toxic to the aquatic plant <i>Lemna</i>. Care must be taken to avoid contamination of water with the product or its container.</p> <p>No risk management necessary. When used according to label instructions there will not be sufficient exposure to water to present a risk to aquatic life.</p> <p>Not categorised under the LERAP scheme.</p> |

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| <p>5. SOIL and GROUNDWATER</p> <p>Earthworms</p> <p>Soil Micro-organisms</p> | <p>The risk of significant groundwater contamination is low.</p> <p>Fluroxypyr-meptyl is rapidly degraded to its acid, which has a low to moderate persistence in soil. Fluroxypyr-meptyl is strongly adsorbed by soil and the acid degradation product has a moderate to high mobility in soil. Significant quantities do not reach groundwater due to its low to moderate persistence. Florasulam has a low persistence in soil. Under laboratory conditions it is weakly adsorbed and is considered to be highly mobile. Its low persistence and very low application rate prevents significant contamination of groundwater.</p> <p>STARANE XL has a moderate toxicity to earthworms. The risk to earthworms is low and no risk management is necessary.</p> <p>No risk management necessary. STARANE XL at the recommended rates has no significant effects on soil microbial respiration and nitrogen transformations. The risk to soil microbial activity is therefore low.</p> |
| <p>6. NON-TARGET PLANTS</p> | <p>STARANE XL is a post emergence herbicide active on a range of broad leaf weeds, consequently care should be taken to avoid spray drift reaching hedgerows, conservation headlands and adjacent crops to avoid possible effects on wild plants and sensitive crops.</p> <p><i>“Take extreme care to avoid drift onto crops and non-target plants outside the target area”.</i></p> |

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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