

# Environmental Information Sheet

## STARANE HI-LOAD HL<sup>®</sup> MAPP 16557



An emulsifiable concentrate formulation containing 480 g/litre fluroxypyr, a pyridine carboxylic acid herbicide for control of weeds in cereals, forage maize and grassland

Maximum individual dose:

Spring wheat/barley/oats/rye, grassland, grassland (seed crop); 0.45 l/ha  
(216 gas/ha fluroxypyr)

Winter wheat/barley/oats/rye, Triticale, Durum wheat, forage maize; 0.6 l/ha  
(288 gas/ha fluroxypyr)

Maximum total dose per crop: As above

| Section  | Profile  |
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| <b>1. WILDLIFE</b><br><br><b>Mammals and Birds</b> | <p>STARANE HI-LOAD HL is not classified as "<i>Harmful to game, wild birds and animals</i>".</p> <p>No risk management is necessary. STARANE HI-LOAD HL has a low toxicity to mammals and birds. It poses a low risk to birds and mammals living and feeding in treated areas.</p>   |
| <b>2. BEES</b>                                     | <p>No risk management necessary. STARANE HI-LOAD HL 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>  |
| <b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b>  | <p>No risk management necessary. STARANE HI-LOAD HL poses a low risk to a range of arthropod species commonly found in and around treated fields, such as predatory mite (e.g <i>Typhlodromus pyri</i>), aphid parasitoid wasp (<i>Aphidius rhopalosiphii</i>) and lacewing (<i>Chrysoperla carnea</i>).</p>   |
| <b>4. AQUATIC LIFE</b>                             | <p>STARANE HI-LOAD HL is classified "<i>Toxic to aquatic life with long-lasting effects</i>".</p> <p>STARANE HI-LOAD HL has a moderate toxicity to fish and Daphnia (water fleas) and high toxicity to algae. Care must be taken to avoid contamination of water with the product or its container.</p> <p>Risk management is essential. STARANE HI-LOAD HL can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be observed;</p> <p><i>"To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.</i></p> <p><i>DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch that is dry at the time of application. Aim spray away from water.</i></p> <p>Aquatic buffer zone for all crops; 5m</p> <p>Buffer zones may be reduced (see LERAP guidelines).</p> |

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| <b>5. SOIL and GROUNDWATER</b><br><br><b>Earthworms</b><br><br><b>Soil Micro-organisms</b> | <p>The active substance and breakdown products are of low persistence to very persistent, and are of low mobility to highly mobile. However when the product is used as recommended the risk of groundwater contamination is low.</p> <p>STARANE HI-LOAD HL has a low toxicity to earthworms. The risk to earthworms is low and no risk management is necessary.</p> <p>No risk management necessary. STARANE HI-LOAD HL 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> |
| <b>6. NON-TARGET PLANTS</b>  | <p>STARANE HI-LOAD HL 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>"Do not spray in windy weather and avoid spray drift onto non- target crops/areas.<br/>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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