

Environmental Information Sheet

ZYPAR[®] MAPP 17938



An oil dispersion formulation containing 6.25 g/L halauxifen-methyl, an arylopicolinate herbicide, 5 g/L florasulam, a triazolopyrimidine herbicide and 6 g/L cloquintocet-mexyl (safener) for the control of weeds in winter and spring cereals.

Maximum individual dose: 1.0 l/ha (5 g/ha florasulam, 6.25 g/ha halauxifen-methyl)

Maximum total dose: 1.0 l/ha per crop, 0.5l/ha winter oats

Section	Profile
1. WILDLIFE Mammals and Birds	ZYPAR is not classified ' <i>Harmful to game, wild birds and animals</i> '. No risk management is necessary to protect wild mammals and birds. ZYPAR and its active substances are of low to moderate toxicity to mammalian and bird species. The risk to wild mammals and birds feeding on treated areas is low.
2. BEES	No risk management necessary, and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	No risk management is necessary. ZYPAR poses a low risk to a range of arthropod species commonly found in and around treated fields, such as predatory mites and parasitic wasps.
4. AQUATIC LIFE	ZYPAR is classified as ' <i>Very toxic to aquatic life with long lasting effects</i> . ZYPAR has moderate toxicity to fish, high toxicity to <i>Daphnia</i> (water fleas), and extreme toxicity to algae and certain aquatic plants. Care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container. Risk management is essential. ZYPAR can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species; <i>"DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water."</i> LERAP: Buffer zones may be reduced (see LERAP Guidelines)

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5. SOIL and GROUNDWATER	The active substances are impersistent or of low persistence, and breakdown products are of low persistence to very persistent; all are of low to moderate mobility or highly mobile. However, when ZYPAR is used as recommended there is a low risk of groundwater contamination.
Earthworms	ZYPAR is of moderate toxicity to earthworms. However when used as recommended the risk to earthworms is low and no risk management is necessary.
Soil Micro-organisms	ZYPAR is of low risk to soil micro-organisms. No risk management necessary in order to prevent risks to the processes of soil respiration and nitrogen turnover.
6. NON-TARGET PLANTS	ZYPAR is a broad-spectrum herbicide, therefore care should be taken to minimise drift onto hedgerows, conservation headlands etc. in order to prevent damage to plants in adjacent areas. <i>“Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.”</i> <i>“Do not spray in windy weather. Particular care should be taken to avoid spray drift onto susceptible crops e.g. vines, orchards, sunflower, oil seed rape, legumes, vegetable crops, ornamentals, flax, sugar beet, potatoes etc.”</i>

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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