

Environmental Information Sheet

decis[®] Forte MAPP 16110



A 100 g/l EC formulation of deltamethrin, a pyrethroid insecticide for control of aphids, caterpillars and a range of other pests in a wide range of agricultural crops.

The maximum application rate is crop dependent (See label for full details)

The maximum number of applications is crop dependent (See label for full details)

Section	Profile
<p>1. WILDLIFE</p> <p>Mammals and Birds</p>	<p>decis[®] Forte is not classified as <i>“Harmful to game, wild birds and animals.”</i></p> <p>No risk management necessary to protect wild mammals and birds. decis[®] Forte is of low toxicity to mammals and birds. The risk to wild mammals and birds grazing on treated areas is low, as is the risk due to exposure from other routes, e.g. consumption of earthworms or other invertebrates such as insects.</p>
<p>2. BEES</p>	<p>No risk management necessary and there is no requirement to avoid application of decis[®] Forte where bees may be foraging on flowering crops or weeds. It is however, good agricultural practice to, where possible, avoid applying insecticides when bees are actively foraging.</p>
<p>3. NON TARGET INSECTS AND OTHER ARTHROPODS</p>	<p>Risk management essential/advised depending on the crop.</p> <p>decis[®] Forte is a broad-spectrum insecticide and can adversely affect non-target insect species.</p> <p>In-field risk assessment showed that risk to non-target arthropods was acceptable, however <u>crop dependent</u> risk mitigation measures should followed.</p> <p>Off-field risk assessment showed that in order to protect off-crop non-target arthropod populations and provide a reservoir of arthropods to migrate in to the field to ensure that recolonisation within a cropping season <u>crop dependent</u> risk mitigation measures should followed</p> <p>Precautions should be taken to avoid spray reaching hedgerows, beetles banks, conservation headlands.</p> <p>To protect non-target insects and arthropods when applied to <u>cereals</u>, respect an untreated 5 meters to non-crop land</p> <p>Avoid spraying within 5 m of the field boundary to reduce effects on non-target insects or other arthropods when applied to the following crops: Amenity vegetation (outdoor), Broad bean, Brussels sprout, cabbage, cauliflower, combining pea, field bean, lettuce (outdoor), mustard (spring), mustard (winter), oilseed rape (spring), oilseed rape (winter), sugar beet, swede, turnip and vining pea</p>

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4. AQUATIC LIFE

decis[®] Forte is classified as “*Very toxic to aquatic life with long lasting effects.*” *Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads. Risk management essential.*

Whilst the toxicity of decis[®] Forte to aquatic invertebrates and fish is extremely high, the product may be used safely providing care is taken to prevent spray drift reaching surface water. The following risk Management practices must be carried out:-

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 which is dry at the time of application. Aim spray away from water. ALL CROPS WITH A BUFFER ZONE GREATER THAN 5M ARE NOT ELIGIBLE FOR BUFFER ZONE REDUCTION UNDER THE LERAP HORIZONTAL BOOM SPRAYERS SCHEME.

The following Non-Reducible Aquatic Buffer Zones must be observed:

Crops/situations:	Aquatic buffer zone distance (metres):
Amenity vegetation (outdoor), barley (spring), barley (winter), broad bean, Brussels sprout, cabbage, cauliflower, combining pea, field bean, lettuce (outdoor), mustard (spring), mustard (winter), oats (spring), oats (winter), oilseed rape (spring), oilseed rape (winter), ornamental plant production (outdoor), sugar beet, swede, turnip, vining pea, wheat (spring), wheat (winter)	7

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5. SOIL and GROUNDWATER	Deltamethrin has low persistence in soil. Deltamethrin is strongly adsorbed to soil and not mobile. There is no risk of ground water contamination from the use of decis® Forte.
Earthworms	No risk management necessary. decis® Forte is of low toxicity to earthworms
Soil Micro-organisms	No risk management necessary. At the recommended application rates, decis® Forte has negligible effect on soil microbial respiration on nitrogen turnover and straw decomposition. The risk to soil microbial activity is low.
6. NON-TARGET PLANTS	When used as recommended decis® Forte is not expected to have adverse effects on non-target plants

Use plant protection products safely. Always read the label and product information before use. For further product information including warning phrases and symbols refer to www.cropscience.bayer.co.uk

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:

Bayer CropScience Limited
230 Cambridge Science Park
Milton Road
Cambridge
CB4 0WB

Bayer CropScience Assist Technical Help-Line: 0808 1969522

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