

# Environmental Information Sheet

decis<sup>®</sup> Protech MAPP 16160



A 15 g/l EW formulation of deltamethrin, a pyrethroid insecticide for control of aphids, caterpillars and a range of other pests in a wide range of agricultural and horticultural 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
<b>1. WILDLIFE</b>  Mammals and Birds	<p>decis<sup>®</sup> Protech 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<sup>®</sup> Protech 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>
<b>2. BEES</b>	<p>No risk management necessary and there is no requirement to avoid application of decis<sup>®</sup> Protech 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>
<b>3. NON TARGET INSECTS AND OTHER ARTHROPODS</b>	<p>Risk management essential/advised depending on the crop.</p> <p>decis<sup>®</sup> Protech 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), ornamental plant production (outdoor), sugar beet, swede, turnip and vining pea</p>

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	<p>The best available application technique, which minimises off-target drift should be used to reduce effects on non-target insects or other arthropods when applying to apple, pear and raspberry.</p>				
<p><b>4. AQUATIC LIFE</b></p>	<p>decis® Protech is classified as “<i>VERY TOXIC TO AQUATIC ORGANISMS</i>”. Care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container. Risk management essential.</p> <p>Whilst the toxicity of decis® Protech 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:-</p> <p>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.</p> <p><b>The following Non-Reducible Aquatic Buffer Zones must be observed:</b></p> <table border="1" data-bbox="597 1100 1446 1419"> <thead> <tr> <th data-bbox="597 1100 1162 1173">Crops/situations:</th> <th data-bbox="1162 1100 1446 1173">Aquatic buffer zone distance (metres):</th> </tr> </thead> <tbody> <tr> <td data-bbox="597 1173 1162 1419">                     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)                 </td> <td data-bbox="1162 1173 1446 1419">7</td> </tr> </tbody> </table> <p>DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 30m of the top of the bank of a static or flowing waterbody when applied to raspberry and 50m when applied to apple and pear, unless a local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water</p>	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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<b>5. SOIL and GROUNDWATER</b>	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® Protech.
<b>Earthworms</b>	No risk management necessary. decis® Protech is of low toxicity to earthworms
<b>Soil Micro-organisms</b>	No risk management necessary. At the recommended application rates, decis® Protech has negligible effect on soil microbial respiration on nitrogen turnover and straw decomposition. The risk to soil microbial activity is low.
<b>6. NON-TARGET PLANTS</b>	When used as recommended decis® Protech 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.bayercropscience.co.uk](http://www.bayercropscience.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:

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