

Environmental Information Sheet

Proline® 275 MAPP 14790



An emulsifiable concentrate formulation containing 275 g/l (27.5% w/w) prothioconazole. A triazolinthione fungicide for the control of stem-base, foliar and ear disease in winter and spring wheat, durum wheat, winter rye, winter and spring barley, winter and spring oats and for sclerotinia control in winter oilseed rape.

Maximum individual dose: Cereals: 0.72 L/ha; Oilseed rape: 0.63 L/ha
 Maximum total dose: Wheat & Rye (Winter): 2.16 L product/ha
 Barley & Oats: 1.44 L product/ha
 Oilseed rape: 1.26 L product/ha
 Latest time of application: Wheat & Rye (Winter): Before grain milky ripe stage
 Barley & Oats: Up to beginning of anthesis
 Oilseed rape: 56 days before harvest

Section	Profile
1. WILDLIFE Mammals and Birds	<p>No risk management is necessary to protect mammals and birds. Proline 275 is not classified as <i>"Harmful to game, wild birds and animals."</i></p> <p>Proline 275 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>
2. BEES	<p>No risk management necessary.</p> <p>Proline 275 is of low risk to honeybees</p>
3. NON TARGET INSECTS AND OTHER ARTHROPODS	<p>No risk management necessary. Proline 275 poses a low risk to a range of arthropod species commonly found in and around treated fields, e.g. ground beetles, lady birds and aphid parasitoids.</p>
4. AQUATIC LIFE	<p>Proline 275 is classified as <i>"Very toxic to aquatic life with long lasting effects."</i> 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).</p> <p>Risk management is necessary.</p> <p>Proline 275 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. 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 Environmental 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</p> <p><i>LERAP Category B. Buffer zone may be reduced</i></p>

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5. SOIL and GROUNDWATER Earthworms Soil Micro-organisms	<p>Prothioconazole is non-persistent in soil and of low mobility in soil. Therefore, use of Proline 275 according to the label presents a low risk to groundwater.</p> <p>Prothioconazole is of low toxicity to earthworms. No risk management is necessary, when Proline 275 is used according to the label</p> <p>Proline 275 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.</p>
6. NON-TARGET PLANTS	No effects on non target plant species are expected when Proline 275 is used as recommended.

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

For further information about the environmental profile of this product contact:

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