

Environmental Information Sheet

Markate 50 MAPP: 13529



An insecticide for use on barley, wheat, rye, oats, durum wheat, triticale, oilseed rape, field beans, combining pea, edible podded pea, vining pea, sugar beet, potato, pear and lettuce. An emulsifiable concentrate containing 50 g/L (5.5% w/w) lambda-cyhalothrin.

Crops/situations:	Max individual dose: (mL product/ha)	Max total dose: (mL product/ha/crop)	Latest time of application:
Barley, wheat, durum wheat, oats, rye	100	400	Before late milk stage
Triticale	100	400	Before second node detectable stage
Winter oilseed rape	150	450	Before end of flowering
Spring oilseed rape	150	450	6 weeks before harvest
Field beans, combining pea	150	300	25 days before harvest
Edible podded pea, vining pea	150	300	-
Sugar beet	150	300	8 weeks before harvest
Potato	150	600	-
Pear	180	540 mL/ha/year	7 days before harvest
Lettuce	150	300	7 days before harvest

Section	Profile
1. WILDLIFE Mammals and birds	Markate 50 is not classified as ' <i>Harmful to game, wild birds and animals</i> '. No risk management is necessary to protect birds and mammals. Markate 50 is of low toxicity to birds and high to moderate toxicity to mammals.
2. BEES	Only apply to crops in flower when bees have finished foraging for the day.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	TO PROTECT NON TARGET INSECTS/ARTHROPODS, respect an untreated buffer zone of 5 m to non-crop land
4. AQUATIC LIFE	Markate 50 is classified as " <i>Very toxic to aquatic life with long lasting effects</i> ". It is extremely toxic to fish and aquatic invertebrates. Risk management is essential. 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 waterbody, 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. DO NOT ALLOW DIRECT SPRAY from hand held sprayers to fall within

	<p>1m of the top of the bank of the bank of a static or flowing water body. Aim spray away from water.</p> <p>DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted applications to fall within 25 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 5m of the top of a ditch which is dry at the time of application.</p> <p>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>
5. SOIL AND GROUNDWATER	<p>Markate 50 has moderate persistence in soil and is strongly absorbed in the top layer of soil. The risk of groundwater contamination is low and risk management is not necessary.</p>
Earthworms	<p>Markate 50 is of low toxicity to earthworms. No risk management necessary at rates of use and timing recommended on the product label.</p>
Soil micro-organisms	<p>Markate 50 is of low risk to soil micro-organisms and therefore no risk management is deemed necessary.</p>
6. NON-TARGET PLANTS	<p>When used as directed Markate 50 is of low risk to non-target plants.</p>

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 THE BELCHIM (UK) WEBSITE WWW.BELCHIM.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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This Environmental Information Sheet was prepared in accordance with CPA Guidance Notes V4 August 2005.

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EIS Version 1

Date of preparation: 12th June 2018