Environmental Information Sheet
TRACER® MAPP 12438

A suspension concentrate formulation containing 480 g/l spinosad, a spinosyn insecticide, for control of caterpillar pests and useful control of cabbage root fly and thrips in field vegetables and fruit crops.

Pome fruit;
Maximum individual dose: 250 ml (120 g spinosad) / ha Max. no.; 3 per crop
Strawberry;
Maximum individual dose: 150 ml (72 g spinosad) / ha Max. no.; 4 per crop
Broccoli, Brussels sprouts, Leeks;
Maximum individual dose: 200 ml (96 g spinosad) /ha Max. no.; 4 per crop

Section	Profile
1. WILDLIFE	TRACER is not classified as '*Harmful to game, wild birds and animals*'
Mammals and Birds	TRACER has a low toxicity to mammals and birds. No risk management is necessary to protect mammals and birds.
2. BEES	TRACER has a low risk to honeybees when used as recommended. *"Do not apply in the heat of the day when bees may be foraging as contact with direct spray may be harmful"*
3. NON TARGET INSECTS AND OTHER ARTHROPODS	*"TRACER can be used in an integrated pest management strategy in top fruit as it has been found to have no long term adverse effects on predatory bugs Anthocoris spp or the predatory mite T.pyri.* *Overall applications of TRACER to control pests in field brassicas, leeks, onions and strawberry are of low risk to predatory insects and mites both in the plant canopy and on the soil below. There is risk to parasitic Hymenoptera but these effects are of short duration (2 weeks) as the persistence of TRACER is low and recovery of these highly mobile species would be rapid."*
4. AQUATIC LIFE	TRACER is classified '*Very toxic to aquatic life with long lasting effects*'. TRACER has low toxicity to fish and algae, moderate toxicity to aquatic invertebrates, and extreme toxicity to freshwater diatoms. Care must be taken to avoid contamination of water with the product or its container. Risk management is essential. TRACER can be used safely providing care is taken to prevent spray drift reaching surface waters. The following risk management practices must be observed; *"To protect aquatic organisms respect an unsprayed buffer zone to*

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	surface water bodies of 40 metres for applications from broadcast air-assisted sprayers and 5 metres for applications from horizontal boom sprayers. *DO NOT ALLOW DIRECT SPRAY from broadcast air-assisted sprayers to fall within 40 metres of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5 metres of the top of a ditch which is dry at the time of application. Aim spray away from water.* *DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 metre of the top of the bank of a static or flowing water body. Aim spray away from water."* Buffer zones may be reduced (see LERAP guidelines).
5. SOIL and GROUNDWATER	The active substance has low to moderate persistence in soil, is strongly adsorbed to soil and has a low mobility. When TRACER is used as recommended there is a low risk of groundwater contamination.
Earthworms	TRACER has a low toxicity and low risk to earthworms. No risk management is necessary.
Soil Micro-organisms	TRACER has a low risk to soil micro-organisms. No risk management is necessary.
6. NON-TARGET PLANTS	TRACER has no effect on plants at recommended use rates. Therefore no effects on non-target plant species are expected when TRACER is used as recommended.

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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