

Environmental Information Sheet

HUBBLE®

MAPP 16089



Hubble is a suspension concentrate formulation containing 200 g/L fluazinam and 200 g/L dimethomorph. Fluazinam belongs to the pyridine class of fungicides and dimethomorph is a morpholine fungicide. Hubble is a fungicide for the control of foliar blight in potatoes.

Maximum individual application rate: 0.75 L product/ha (150 g fluazinam/ha and 150 g dimethomorph/ha).

Maximum total dose: 3.75 L product/ha (750 g fluazinam/ha and 750 g dimethomorph/ha).

Section	Profile
1. WILDLIFE Mammals and Birds	Hubble is not classified as ' <i>Harmful to game, wild birds and animals.</i> ' Hubble shows low toxicity to mammals and low to moderate toxicity to birds. When used according to the label, no risk management is necessary to protect wild mammals and birds.
2. BEES	No risk management is necessary and there is no requirement to avoid application of the product when bees may be foraging on flowering weeds.
3. NON TARGET INSECTS AND OTHER ARTHROPODS	No risk management is necessary. Hubble poses a low risk to a range of arthropod species commonly found in and around treated fields.
4. AQUATIC LIFE	Hubble is classified as 'VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS'. Hubble shows extremely high toxicity to aquatic organisms and so care must be taken to ensure that surface waters or ditches are not contaminated with the product or the used container. Risk management is essential. Hubble can be used safely providing care is taken to prevent spray drift reaching surface water. The following risk management practices must be carried out in order to ensure that there is adequate protection for aquatic species: <i>' DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 6 metres of the top of the bank of a static or flowing water-body, or within 1 metre of the top of a ditch which is dry at the time of application. Aim spray away from water.'</i> As the buffer is greater than 5m, it is not eligible for buffer zone reduction under the LERAP horizontal boom sprayer's scheme.
5. SOIL and GROUND-WATER	The active substances in Hubble, fluazinam and dimethomorph, show moderate persistence in soil. Fluazinam shows low mobility in soil and dimethomorph is moderately mobile. Consequently there is a low risk of groundwater contamination from the use of Hubble.

Earthworms	Hubble shows moderate toxicity to earthworms however, following application according to the label recommendations, no risk management is necessary.
Soil micro-organisms	Hubble is unlikely to have any long term effect on soil microbial activity. The risk is therefore considered to be low and no risk management is necessary.
6. NON-TARGET PLANTS	Both fluazinam and dimethomorph are fungicides and have negligible activity to plants. Consequently, Hubble should have no adverse effect on field margin 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 THE ADAMA AGRICULTURAL SOLUTIONS UK LTD WEBSITE (WWW.ADAMA.COM).

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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