

Contact Fungicide for the Control of Downy Mildew and Powdery Mildew in Lettuce

- Contains potassium hydrogen carbonate
- Improves leaf quality
- Formulated for maximum efficacy, redistribution and residual efficacy
- Multi-site mode of action, excellent for use as a resistance management tool
- No MRLs
- One day harvest interval

Mode of action

- Causes total collapse of spores through a combination of dehydration, pH and specific ion effects
- Helps disrupt fungi enzymes used to infect plants
- Effects of the above are enhanced by Karma's adjuvant system

Application

- Application during periods of leaf wetness can optimise Karma's efficacy
- Apply in a minimum of 600 litres of water per hectare to achieve thorough coverage
- For best results apply preventatively and alternate with other products with different modes of action
- Do not apply more than two consecutive applications of Karma

Tank Mix*

- Recent UK grower experience has shown Karma to mix well with conventional fungicides used on lettuce crops



*Above tank mix experience is from a UK grower external to Certis Europe. Please contact Certis UK before tank mixing

Grower Observations from the USA

- Powdery mildew: after 4 applications of Karma on lettuce, results showed over 55% reduction
- Downy mildew: after 4 applications of Karma on lettuce, results showed 73 - 84.5% control depending on dose rate
- No phytotoxicity from Karma was observed in these trials

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|-----------------------------|---|-----------------------|-------|
| Formulation | A water soluble powder (SP) containing 850 g/kg of potassium hydrogen carbonate | | |
| Crops | Outdoor and protected lettuce | | |
| Max Individual Dose | 3 Kg/Ha | | |
| Max No. Applications | 8 per crop | Harvest Period | 1 Day |
| Pack size | 5 Kg | MAPP No. | 16363 |



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USE PLANT PROTECTION PRODUCTS SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE.

For further information with regard to the warning phrases and symbols for these products please refer to the product labels.

Extension of Use: This extension of the authorised use provides for the use of Karma® (M16363) in respect of crops and situations, other than those included on the product label. No efficacy or phytotoxicity data have been assessed and as such the 'extension of use', is at all times done at the user's choosing, and the commercial risk is entirely theirs. Users must be in possession of a copy of the Extension of Authorisation Number: 1940 of 2015 for full details of product extension prior to use.

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