

ARMICARB®

A **natural** fungicide for effective disease control and residue management



What is Armicarb®?

Armicarb® is a specially optimised formulation of potassium bicarbonate for use against target diseases in agriculture and horticulture.

Effective against a broad range of diseases in pome fruit, stone fruit, soft fruit, grapevines, hops, vegetables and ornamentals.

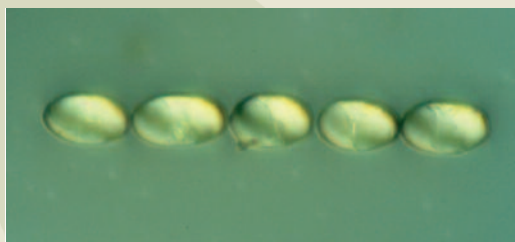
Exempt from EU MRLs, and authorised for use in organic production by the European Commission, Armicarb® is especially suitable for use in programmes with conventional fungicides, as well as in organic fruit, wine and vegetable production.

Armicarb® is a soluble powder containing 85 % (w/w) potassium bicarbonate.

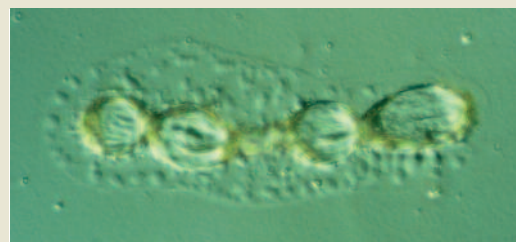
How does Armicarb® work?

Armicarb® has a multi-site mode of action, acting through a combination of osmotic pressure, pH, and specific bicarbonate/carbonate ion effects. By consequence, the risk of resistance developing is considered to be low, and according to the Fungicide Resistance Action Committee (www.frac.info/) no resistance is known.

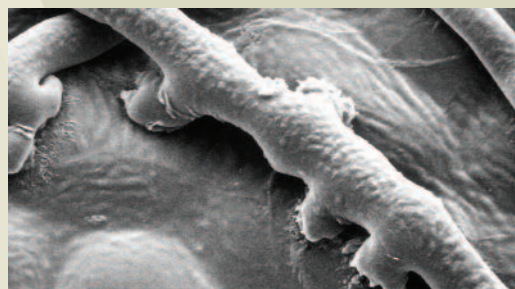
Armicarb® acts very rapidly to cause dehydration and total collapse of spores and mycelium of susceptible fungi (see photographs below, courtesy of Dr. Ken Horst, H&I Agritech, Inc.).



Untreated spores of powdery mildew taken under light microscopy



Powdery mildew spores 1 minute after treatment with Armicarb®



Untreated mycelium of powdery mildew taken by electron microscopy

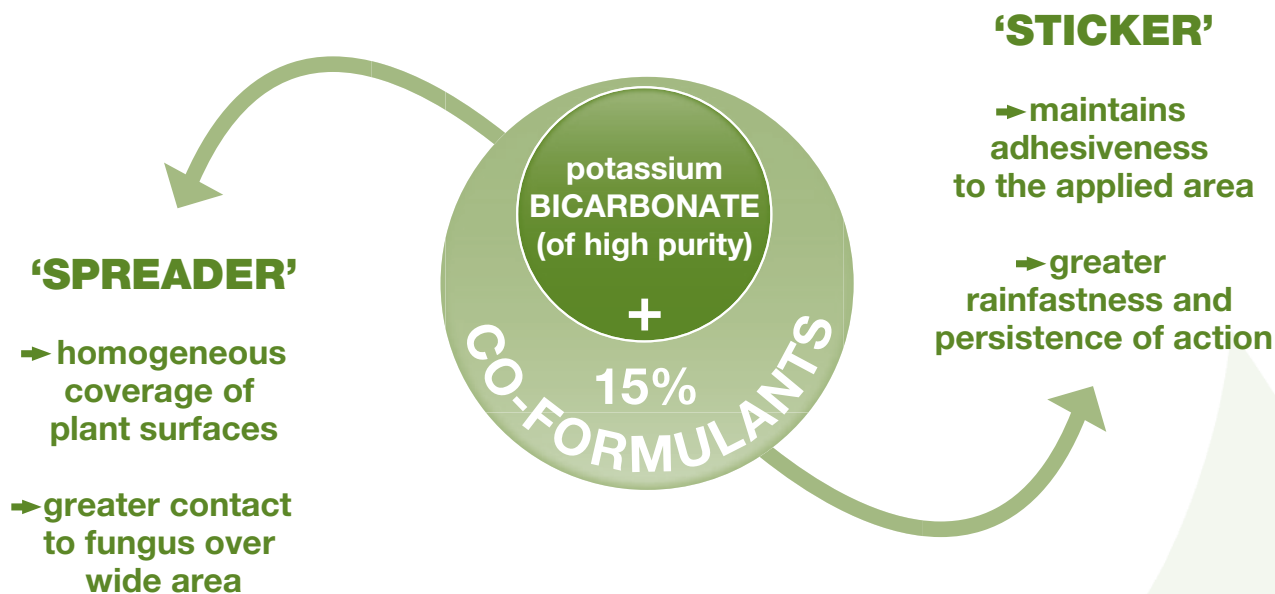


Powdery mildew mycelium 1 minute after treatment with Armicarb®

Armcarb® HIGH-TECH formulation

Armcarb®'s proprietary wetting system ensures a complete and thorough coverage of plant surfaces, whilst at the same time limiting wash-off of the highly water-soluble active substance by rain.

It is this critical balance of 'sticking' and 'spreading' by the formulation that delivers a level of field performance, outdoors as well as in protected conditions, equivalent to conventional fungicide standards.



Armcarb® uses

Armcarb® is being developed in Europe by Agronaturalis and its distribution partners. Armcarb® provides good levels of control of many economically important fungal diseases, including apple scab, *Botrytis cinerea* and powdery mildew in grapevines, and powdery mildew in soft fruit and vegetables.

For more information, and the latest news on product registrations, go to www.agronaturalis.com

What benefits does Armcarb® bring to the grower?

- Ease of handling; soluble powder dissolves readily and completely in water
- Fast-acting contact fungicide – apply preventively, or immediately (within 8 hours) after infections (where precise infection timings are known, or conditions require)
- Exempt from EU MRLs; short pre-harvest intervals
- Non-classified – high level of safety for user, consumer and environment

Where can I find Armcarb®?

Armcarb® is currently available commercially in Europe in France and Switzerland.

For details, and recommendations for use, contact local sales partners:

France: www.desangosse.fr

Switzerland: www.staehler.ch



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