



# Defender **Active Mg**<sup>®</sup>

**MAGNESIUM DEFICIENCY CORRECTOR  
WITH BIOACTIVE MOLECULES**



## Benefits of use

**DEFENDER ACTIVE Mg**<sup>®</sup> is a microgranulated fertiliser for the prevention and correction of magnesium deficiencies in all types of crops. Its exclusive formulation in granules with complexed magnesium and acid sugars obtained by natural fermentation of wheat extracts, makes it more assimilable by the plant, acting promptly after the first symptoms of deficiency. Magnesium is an essential nutrient for the development of crops, and acts at different levels increasing metabolic efficiency and increasing production. Magnesium is limiting for the synthesis of chlorophyll, protein and nucleic acid synthesis, as well as for the activation of a large number of enzymes that regulate the main metabolic pathways, including photosynthesis or ATP synthesis.

**DEFENDER ACTIVE Mg**<sup>®</sup> contains antioxidant metabolites and biostimulants originating from the fermentation of the H462 and H523 strains exclusive to Futureco Bioscience that promote the endogenous defense mechanisms of the plant against pathogens such as fungi, bacteria and nematodes. In addition, it improves absorption capacity and has chelating effects that increase the availability and assimilation of nutrients.



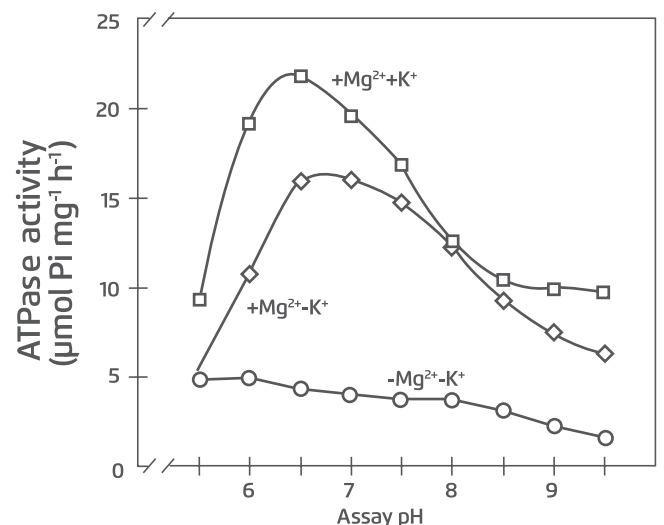
## Composition

	(%w/w)
Magnesium (MgO)	20.0
Antioxidants and physiological activators	3.0

It contains secondary metabolites from the fermentation of the H462 and H523 strains exclusive to Futureco Bioscience.

## Efficacy Trials

*Symptoms of Mg deficiency in wheat*



ATPase activity of the corn root plasma membrane protein at different pH values by adding Mg (3 mM) and K (50 mM) (source: Leonardo and Hotchkis, 1976)

## System and time of application

**DEFENDER ACTIVE Mg**<sup>®</sup> is applied by foliar spraying or irrigation, as well as a nutrient solution for hydroponic crops. Recommended to prevent and correct magnesium deficiencies in all types of crops.

## Stability and storage

**DEFENDER ACTIVE Mg**<sup>®</sup> is stable for 3 years from the date of manufacture.

Store in a cool and ventilated place.

Do not store for prolonged periods of time in direct sunlight.

Keep out of the reach of children.

Keep away from food, drink and animal feed.

## Dosage

CROP	APPLICATION	FOLIAR DOSE (g/hL)	COMMENTS
Vineyard and kiwi	When symptoms of magnesium deficiency are observed or at times of maximum need for this element.	100-150	It is recommended to perform preventive and/or periodic applications in varieties susceptible to magnesium deficiencies.
Vegetables			
Citrus and avocado			
Stone fruit trees			
Pome fruit orchards			
Mango			
Wheat, corn, sunflower			
Cranberry and berries			
Potato and sweet potato			

## Compatibility

**DEFENDER ACTIVE Mg**<sup>®</sup> is compatible with most crop protection products and nutritional correctors. For mixing with any other product, it is necessary to conduct a compatibility test in a small volume. For further information, technical advice, or any enquiries, please contact your local distributor.