



# Alfositol®

## NATURAL PLANT DEFENSE ACTIVATOR AGAINST FUNGUS AND BACTERIA

### Benefits of use

**ALFOSITOL®** is a foliar fertilizer formulated with potassium phosphite and copper. Its function is to activate the natural plant endogenous defences against pathogen agents such as fungus or bacteria through the synthesis of phytoalexins, suberin, lignin and derived compounds from cinnamic acid, providing bactericide and/or fungicide systemic functions. **ALFOSITOL®** contains copper, which aside from being an essential microelement for plants, acts as a preventive contact fungicide with bactericide action. Potassium phosphite together with copper, has a microbial effect by blocking the sporulation of the pathogen agent and, therefore, preventing the formation of reproductive structures through the modification of its metabolism and cell wall. Phosphorus and potassium also act as biostimulants promoting growth and development of the crop at moments of high nutritional requirements, thus, increasing harvest quality and crop yields.

**ALFOSITOL®** is a formulation designed to ensure the optimum absorption and translocation of the elements and whose efficacy has been contrasted consolidating as an effective preventive-curative method against important diseases such as *phytophthora*, *phytium*, *anthracnose*, *pseudomonas*, *xanthomonas*, *botrytis*, *mildiu* and so on.



### Composition

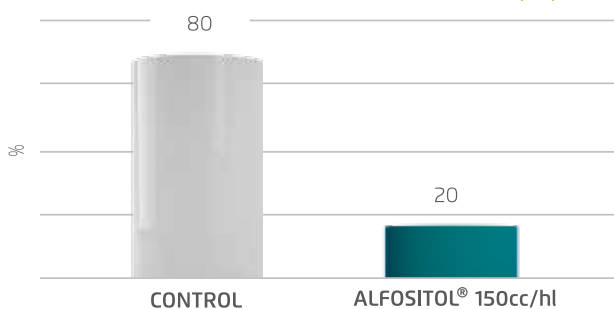
	(%w/w)
Phosphorus (P <sub>2</sub> O <sub>5</sub> )	23,0
Potassium (K <sub>2</sub> O)	20,0
Copper (Cu-EDTA)	2,6

### Efficacy trials

#### Efficacy against Anthracnose

Hass avocado

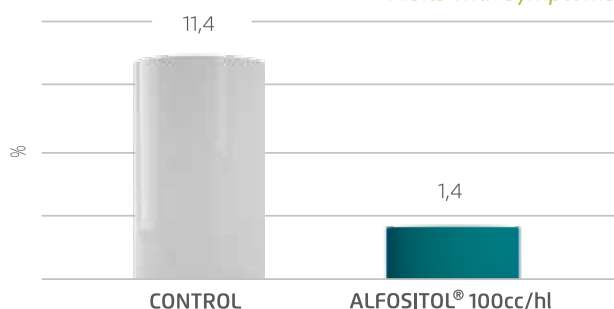
Fruits with symptoms



#### Efficacy against Neofabrea "Bull's eye"

Apple tree cv. Pink Lady

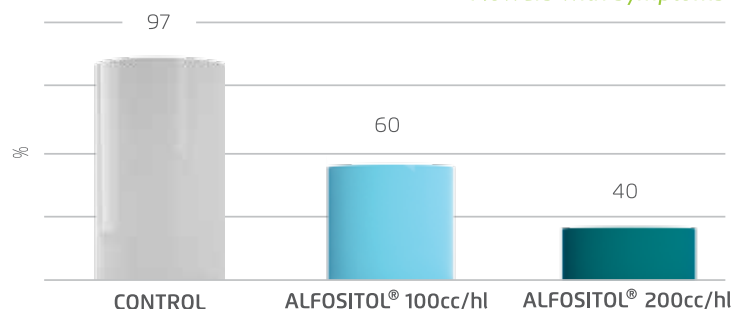
Fruits with symptoms



#### Efficacy against Pseudomonas syringae

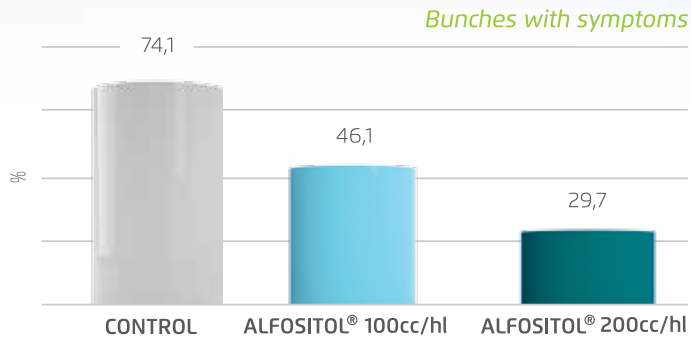
Sweet cherry cv. Bing

Flowers with symptoms

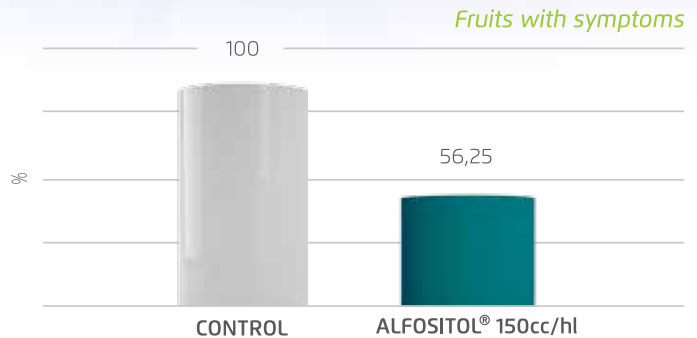




**Efficacy against acid rot**  
Table grape cv. Red Globe



**Efficacy against Xanthomonas campestris**  
Walnut tree



## System and time of application

ALFOSITOL® can be applied by foliar spray or through irrigation during the whole crop cycle. It is highly recommended for those moments where crops have a high nutritional demand or are more susceptible to the attack of pathogen agents.

## Stability and storage

ALFOSITOL® is stable at least 3 years from the manufacture date. Keep in a fresh and ventilated place with temperatures below 50°C. Do not store for prolonged periods under direct sunlight. Keep away from children. Do not eat, drink or smoke while handling this product.

## Dosage

CROP	MOMENT OF APPLICATION	FOLIAR APPLICATION	
		CONCENTRATION ml/200 L	DOSE L/ha
Table grape (Red Globe & others)	From cluster closure onwards.	300	1,5 a 2,25
	From green tip onwards.		
Pome fruit trees (Apple, Pear), Stone fruits (Peach, Plum, Nectarine), Avocado, Mango	From green tip onwards.	300	
Citruses (Orange, Mandarine, Tangerine, Lemon)	Vegetative growth.	400	0,4 a 0,8
	From fruit growth to harvest.		0,8 a 1,6
Tomato, Pepper	Vegetative growth.	400	0,4 a 0,8
	From fruit growth to harvest.		0,8 a 1,2
Blueberries, Raspberries, Strawberries	Vegetative and fruit growth.	400	0,4 a 1,2
Artichoke, Asparagus	During all the crop cycle.	400	1,2 1,6
Cabbage, Broccoli, Coliflower			
Onion, Garlic			
Celery, Chard, Lettuce, Spinach			
Potato, Sweet potato	Vegetative growth.	400	0,4 a 1,2
	Tuber filling.	600	1,2 a 1,6
Coffee, Cacao, Banana, Rice	During all the crop cycle.	400	0,8 a 1,6

## Compatibility

ALFOSITOL® is compatible with most plant protection products and nutritional correctors, except for those, which contain zinc hydroxides, dicofol, dimethoate, oils and coppers. When mixing with any other product, conduct a test in a small volume to assess compatibility. For further information, technical advice or any other enquiries, please contact your local distributor.