



Agro-Mos®
Company: Alltech Crop Science
Classification: Foliar Fertilizer
Formulation: Liquid

GUARANTEES	
Copper (Cu)	3.00% (32.70 g/L)
Zinc (Zn)	2.00% (21.80 g/L)
Sulfur (S)	2.75% (29.98 g/L)
Density	1.09 g/cm ³
pH	2.75
All elements are H ₂ O soluble and complexed with 5% amino acids	

MODE OF ACTION:

Agro-Mos® is a product composed of soluble solids from fermentation, rich in nutrients and amino acids that aid the defense mechanisms of the plants, thus avoiding great losses caused by high incidences of disease.

The technology present in Agro-Mos® stimulates the defense mechanisms of the plants, in their different forms such as ethylene, jasmonates, salicylic acid, silicates and their equivalents. Once stimulated, these plants can construct physical and biochemical barriers that inhibit or delay the development of pathogens.

There is evidence that Agro-Mos® controls diseases in two ways:

The first consists of a thin film which once applied deposits itself on the leaves, stems, and fruits promoting a prophylactic action and blocks the pathogens from sticking to the plant fibers. This decreases infection and reduces the development of disease symptoms.

The second and most important mode of action deals with the induction of resistance arising from endogenous reactions which cause the stimuli that signal and consequently prepare the plant for possible infection, the plant will then begin to have inherent reactions in its natural defense mechanism in an unspecified way or independent of the type of pathogen.

The fundamental principles by which Agro-Mos® reduces the incidence of disease are clear:

Agro-Mos® contains yeast particles, which act as a natural resistance inducer. Once Agro-Mos® comes in contact with a plant, the plant interprets this as a foreign invasion beginning the auto-defense process to minimize the effects of the attack and building resistance against future assault.

The plant begins the production of chemical and physical agents for its defense against the plant inducer (Agro-Mos® active ingredient). Consequently it treats the plant inducer as it would a pathogen, bringing into action the plant's inherent defense process to prevent the installation of disease and the destruction of the fibers by the pathogens. Through these stimuli and the preparing of the plant's defenses against future invasion the crops better defend themselves against fungi and future infection.

There are two necessary conditions for this type of technology to be successful:

First the plants' defenses must be developed (the induction of chemical resistance) prior to the invasion of the pathogens, for this to occur the application should take place during the initial development of the crops.

The plant should be nutritionally balanced and up to date in all other crop treatments

INCOMPATIBILITIES:

Agro-Mos® is compatible with fungicides and insecticides normally used on crops and will not cause phytotoxicity, when used in the recommended dosages.

IT IS IMPORTANT TO REMEMBER THAT Agro-Mos®:

- Does not need additives to be applied
- Does not need to be mixed with other resistance inductors
- May be applied during any time in the crop cycle
- May be applied instead of or in combination with fungicides, insecticides, and/or bactericides
- May be applied with other biologic products
- Does not negatively affect the environment
- Should be applied as a preventative measure
- May be used on organic crops
- Acts in the three forms of resistance building as indicated in this material
- Acts in a non-specific manner
- Has a nutritional effect

BENEFITS:

- Aids in the resistance building processes in a natural way
- Acts systematically and in a non-specific way
- Contributes to the Integrated Management of Diseases
- Improves crop quality

DOSAGE:

Dosage by concentration: 1-2 litre / Ha