What is Acticell® Mag-Photo:

- Acticell® Mag-Photo is part of the new revolutionary foliar feed Acticell® product range, developed to maintain magnesium levels in plants especially during abiotic and biotic stress conditions.
- The key is to manage photosynthesis by avoiding chlorosis to maintain high levels of chlorophyll at all times.
- With stressful growing conditions the most common cause is loss of chlorophyll that is related to loss of nitrogen in the plant and loss of energy (sugar build up).

Composition:
Magnesium (Mg) 165 g / kg (224 g / ℓ) and various natural bio-stimulants.

Function of Magnesium:
- Magnesium is important for chlorophyll production.
- Magnesium is necessary for synthesis of amino acids, oils, fats and sugars.
- Magnesium also regulates the uptake of a number of elements into the plant, especially phosphate.

Symptoms of Magnesium deficiency in plants:
- Interveinal chlorosis and abnormally thin leaves with noted premature leaf drop.

Function of the bio stimulants in Acticell® Mag-Photo:
- Biostimulants contained in Acticell® Mag-Photo improve uptake and translocation of an important nutrient such as Mg, essential during vegetative growth as it is important for photosynthesis and synthesis of sugars.
- Improve photosynthesis as biostimulants increase chlorophyll production and leaf area.
- Increases photosynthesis intensity by increased chlorophyll production with enlarged leaf area. Enlarged leaf areas contribute to well-developed leaf canopies that ensure better photosynthesis and plant growth.
- Photosynthesis also needs to be improved as soon as possible after an herbicide application, hail, disease or insect feeding damage that cause chlorosis of leaves (loss of chlorophyll).
- Biostimulants contained in Acticell® Mag-Photo enhances plant stress tolerance.
- Enhances photosynthesis even during low light intensity with increased mineral uptake that contributes to increased plant height.
- Increase permeability of water and ensures better utilisation of water.
- Builds up sugar levels that ensure more flower buds, more branching and early maturity that improves yield and reduces flower and fruit drop.
- Contains natural chelating agents that ensure better uptake of nutrients.
- Activates the plant’s natural defence system, Systemic Acquired Resistance (SAR), against plant pathogen attacks.
- During abiotic stress conditions biostimulants increases metabolism, cell division and acts as a catalyst during respiration.

How to use Acticell® Mag-Photo:
- Acticell® Mag-Photo should preferably be applied either early mornings or late in the afternoon.
- Do not apply Acticell® Mag-Photo on wilted plants.
- For optimum results use Acticell® Mag-Photo in combination with other Acticell® products.
- Refer to label for dosage rates that vary from 500 mℓ / ha to 2 ℓ / ha (row- and vegetable crops), 3 to 5 ℓ / ha (vines and orchard crops) depending on spray volume required for medium to full cover sprays as determined by the crop size.

*See label for further instructions and information.