



CONFIRMATION OF COMMITMENT TO QUALITY



We confirm that AgriLibrium's Manufacturing and Product range conforms to the standards as set down by Afri Compliance Agricultural enhancement product protocols and is certified in terms of:

- ✓ good manufacturing practices.
- ✓ quality assurance and traceability.
- ✓ good corporate governance.
- ✓ Risk Management and Bio Security

Certification no. AC/P/2018/143



AGRI LIBRIUM

AgriLibrium is a member of Fertasa and is certified for compliance in terms of set standards audited by Afri Compliance as stipulated in the Fertasa code of conduct.

Certification no: FERT-2018-08

Plant Stress Management™ product. Reg No. Pending

Opti Grove is an AgriLibrium **Plant Stress Management™** product formulated for fruit tree and orchard crops. It has **plant growth regulating** (natural kelp extract) growth effects that supplies the plant with a source of natural hormones and specific Amino Acids for chelating cations for optimal uptake and mobility of the nutrients in the plant as well as natural pest and disease tolerance (phyto-alexin or **plant immune system**) effects.

Composition:

Nitrogen (N)	21.5 g/kg
Phosphorous (P)	20 g/kg
Potassium (K)	34.1 g/kg
Magnesium (Mg)	4.1 g/kg
Zinc* (Zn)	1750 mg/kg
Iron* (Fe)	1150 mg/kg
Manganese* (Mn)	600 mg/kg
Copper* (Cu)	833 mg/kg
Boron (B)	609 mg/kg
Cobalt (Co)	119 mg/kg
Nickel (Ni)	125 mg/kg
Molybdenum (Mo)	463 mg/kg
Amino Acids	6 %

Product Properties:

S.G: 1.20 ± 0.1
pH: 4.9 ± 0.1
Appearance: Light brown

*EDTA and Amino Acid chelated product.

Product Characteristics:

Opti Grove supports the biochemical anti-oxidant system present in every living cell and organelle, protecting the chlorophyll and mitochondria in plant cells to ensure optimal photosynthetic activity and production.

Opti Grove contain metabolic elicitors that improves metabolic activity and specific amino acids for chelating ions that enhances foliar uptake into and mobility of nutrients within the plant.

Opti Grove is a growth stimulation and cell membrane protection product that should be used simultaneously with **Fulmax** as wetter, spreader, re-wetter and uptake enhancer to ensure an effective **Plant Stress**

Management® program.

Foliar uptake of **Opti Grove** is very efficient due to the specific selected amino acid and fulvic acid chelating molecules.

OptiGrove is highly effective in both the young active growing stages as well as the reproductive growth phases of the plant.

Directions for use: Use only as directed

An Amino acid and Fulvic acid chelated product, a slight brown residue might be present that will dissipate after shaking the container.

Opti Grove is compatible with most agrochemical products but it is recommended that a drinking glass compatibility test be done before mixing with other chemicals.

Do not use or mix with any products containing Calcium.

Spray solution water must be buffered between **pH 4.5 and 5.5**.

Application concentration should never be lower than **0.75% (750 mL per 100L water)** for maintenance applications up to a maximum spray concentration of **3% for rectification of deficiency problems (3L per 100L water)**.

Use Fulmax (0.2%, 200mL/100L water) in the spray mixture as wetter/spreader/re-wetter to ensure efficient uptake of the nutrients through the leaf surface.

Apply early morning or late afternoon.

Do not spray on plants that are wilted

Optimal application dosage concentration based on dosage response results.

Total tank concentration should never be lower than 0.75% (750ml / 100ℓ) and preferably 1.5% (1.5ℓ / 100ℓ).

General Recommendation: Crop	Opti Grove rate per 100 ℓ water	FulMax rate/ha	Remarks
Pome Fruit: Apples Pears Stone fruit: Apricots, Peaches, Plums Sub-Tropical Fruit: Mango, Avocado, Macadamia, Pecan, Bananas, Litchis Citrus:	Apply 750 mℓ - 1500 mℓ Opti Grove per 100ℓ tank solution.	Add 100 - 200 mℓ FulMax per 100ℓ spray mix to improve uptake and efficiency.	First application 2 weeks after first flush with 10 to 21 day intervals up to end of harvest. 50% wetting sufficient.
Grapes: Table grapes Wine grapes	Apply 750mℓ - 1500 mℓ Opti Grove per 100ℓ tank solution.	Add 100 - 200 mℓ FulMax per 100ℓ spray mix to improve uptake and efficiency.	First application between flowering and fruit set. Last application no later than veraison for table grapes and during the lag phase (berry is pea size) for wine grapes.

- Due to the variation of soil and soil types from area to area, a full recommendation will only be possible once a **soil analysis and 1:2 water extract** analysis has been done.
- Recommendations are also based on requirements for different crop types.

Contact your **Agrilibrum** representative to obtain a crop specific **Plant Stress Management™** recommendation.