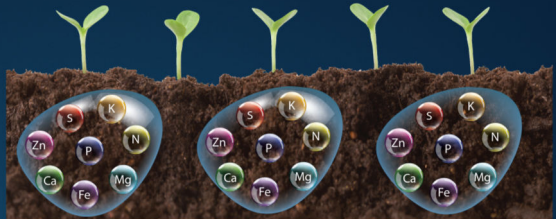


LIQUIMATE 14™

AN ALL-IN-ONE LIQUID NUTRIENT SOURCE

LIQUIMATE 14™ is an acid compatible humate-based micronutrient containing liquid used with conventional acid clear liquid fertilizers to supplement micro-

nutrients and stimulate early root growth. It is placed with the liquid fertilizer in the conventional manner, i.e. 5 cm away from and under the seed.



THE BENEFITS OF HUMIC ACIDS

Humic acids are naturally derived from broken down organic matter and are used as a soil conditioner to stimulate root and plant growth. Humic substances can hold a wide range of macro and micronutrients around developing roots, making it readily available for plant uptake. This enables seedlings to establish quicker. Another benefit of humic acid is that it increases the plant's tolerance to environmental stress conditions.

MICRONUTRIENT SUPPLEMENT

Micronutrients are essential for optimal plant growth and crop yield, but they are often neglected and not included in standard fertilizer programmes.

LIQUIMATE 14™ supplies all the essential micronutrients in chelated form and in well-balanced quantities.

- Iron for chlorophyll and photosynthesis;
- Manganese - the bridge between ATP and the enzyme complex;
- Zinc for nitrogen metabolism;
- Copper for synthesis/stability of chlorophyll as well as protein and carbohydrate metabolism;
- Molybdenum for nitrogen use efficiency (NUE); and
- Boron for growth, flowering and fruit development.

WHEN TO APPLY LIQUIMATE 14™

- Sandy and highly leached soils low in organic matter, especially in the Free State and Northwest provinces;
- The specific formulation is based on a vast survey of soil and tissue analyses representative of these areas;
- LIQUIMATE 14™ is compatible with acid clear liquid fertilizers;
- Can be used in fertigation systems.

REDUCING RISK WITH LIQUIMATE 14™

Field trials on wheat in the Western Cape showed an average yield increase of 261 kg/ha with a return on investment of 600% (96% probability) (refer to graph below).

Field trials on maize in the Free State showed an average yield increase of 171 kg/ha with a return on investment of 400% (96% probability).

