

# Omex Kingfol Cu

## DESCRIPTION

A high concentration liquid suspension for low rate applications to avoid deficiency symptoms and increase yields.

Although present in the soil, copper is frequently unavailable due to leaching from the rhizosphere in sandy soils or fixation in clay soils.

Deficiencies cause low rates of photosynthesis, low lignin content, decrease in transport of water and sap. In addition to reduced growth, symptoms are not easy to observe. In later growth stages, chlorosis, die back of terminal growth and stunted internodes are found in many plants. Cereals, which are particularly susceptible, can have yellow or white tips of young leaves and in later stages suffer from flower abortion and "ears" with less grains or incomplete grains.

Other crops particularly susceptible to copper deficiency include soybeans, citrus, corn, sugarcane, carrots, onions and lettuce.

## FUNCTION

Copper is an essential micronutrient closely linked to plant function and physiology:

- Important component of enzymes and their activity;
- Promotes photosynthesis and regulates transpiration;
- Increases nitrogen fixation by leguminous plants;
- Improves resistance against some diseases.



## Analysis of Omex Kingfol Cu

|                   |    | Wt/Wt*                 | Wt/Vol |
|-------------------|----|------------------------|--------|
| <b>Copper</b>     | Cu | <b>29.5%</b>           | 50.1%  |
| pH (10% solution) |    | 7.8-8.8                |        |
| Specific Gravity  |    | 1.96 -2.02 g/ml @ 18°C |        |

\*For registration purposes Wt/Wt concentrations are recommended.

## DIRECTIONS FOR USE

The spray tank should be filled with half of the required amount of water. Measure the required amount of Omex Kingfol Cu and add to the tank whilst maintaining constant agitation. Add remaining water to correct dilution. Spray.



**DILUTION:** Recommended water rate is 500-1500 Litres per hectare

**Always shake container before opening**



## Recommendations for use:

| CROP  | RATE l/ha    | APPLICATION DETAILS   |
|---|--------------|---|
| <b>Soybean/Common bean</b>                  | 0.25 to 0.5  | 1 or 2 applications between V3 and V5   |
| <b>Corn</b>                                 | 0.25 to 0.5  | 1 or 2 applications between V4 and V6.  |
| <b>Citrus</b>                               | 0.25 to 0.75 | 3 or 4 applications during vegetative growth  |
| <b>Sugar cane</b>                           | 0.25 to 0.5  | Cover the stalks during planting or foliar application at the start of the rainy season.          |
| <b>Wheat/Barley</b>                         | 0.25 to 0.5  | 3 to 5 leaf stage and flag leaf emergence. 1 or 2 applications.                                   |
| <b>Coffee</b>                               | 0.25 to 0.75 | 3 or 4 applications during vegetative growth  |
| <b>Tomatoes, Cucumbers, Peppers, Melons</b> | 0.25 to 0.5  | Start 10 days after transplant and apply again in intervals of 7 days until the end of the cycle. |

### TANK MIXING COMPATIBILITY

Omex Kingfol Cu is compatible with most, but not all, pesticides, growth regulators and micro-nutrients with regard to physical tank mixing and biological effects on the crop. However, Omex cannot accept any liability for any loss or damage as not all pesticides have been tested and because the efficacy of any mix will depend on, among other factors, the pesticide concerned, crop conditions, growth stage, weather and volumes of water used. Do not mix with phosphates or sulphates.



### PRECAUTIONS

Omex Kingfol Cu should be stored in frost free conditions with optimum storage range between 5-40°C. Omex Kingfol Cu is a non-hazardous and non-flammable foliar fertiliser. Gloves and face shield should be worn when handling the concentrate. In situations of prolonged storage there may be slight settling of the nutrient particles. This is reversible on shaking.

**PACKING:** Omex Kingfol Cu is available in HDPE drums of 0.25L, 0.5L, 1L, 3L, 5L, 10L capacity. Drums are fitted with tamper evident closures. 200 and 1000 Litre mini bulk available.

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