

# YLAD Living Soils *Putting life back into the land*

## Copper Essentials™

Soil Balancing

Cropping

Pasture &amp; Animal

Foliar &amp; Fertigation

Liquid copper chelated with organic acids for enhanced plant uptake.



### Description

Copper plays an essential role in chlorophyll production and adequate levels are critical for optimum plant production. This key element is also critical for improving crop resilience and promoting seed production. Deficiency symptoms vary between crops but can include leaf yellowing, leaf tip die back and leaf distortion. Now you can address your copper requirements with an ACO Registered Farm Input.

Copper Essentials™ contains 4.9% copper organically chelated with fulvic acid and amino acids. This revolutionary mix of biological chelating agents improves plant uptake and assimilation of copper.

### Benefits

- Australian Certified Organic (ACO) Registered Farm Input 456AI (Restricted).
- 4.9% copper with natural chelating agents including fulvic acid and amino acids for enhanced uptake.
- Copper is essential for optimum protein synthesis and chlorophyll formation.
- Improve seed formation.
- Increase cell strength and plant resilience.
- Includes natural plant growth and microbial promotants.

### Packaging

Available in the following volumes:

- 1L
- 5L
- 20L
- 200L
- 1000L



**RESTRICTION:** This product contains copper. Use is allowed only for a documented or observed need with a plan to avoid copper imbalances. Use outside this context may not be compliant with the Organic Standards.



## APPLICATION RATES

### Foliar Spray:

#### Vegetables

0.5 L per 100 L water up to 2.5 L/ha equivalent  
Apply as required

#### Orchards & Vineyards

0.5 L per 100 L water up to 5 L/ha equivalent  
Apply as required

#### Ornamentals & Turf

0.5 L per 100 L water up to 3 L/ha equivalent  
Apply as required

#### Broadacre Crops

0.5 – 1 L/ha in 60 – 100 L water, depending on canopy closure  
Apply as required

#### Pasture

0.5 – 1 L/ha in 60 – 100 L water  
Apply as required

#### Spot-Spraying

25 mL per 10 L water  
Apply as required

### Fertigation:

**Vegetables, Ornamentals & Turf** 3 L/ha, apply as required

**Orchards & Vineyards**  
3 – 5 L/ha, apply as required

### Home Garden Application:

Dilute 7.5 mL per 9 L watering can and apply the diluted mix at a rate of 1 litre per square metre. Do not apply more than 6 times per year without demonstrated trace element requirement.

## STORAGE & HANDLING

- Read safety directions before use.
- Store in a cool dry area out of direct sunlight. This product has been tested to store safely down to 5°C. Crystallisation or sedimentation may occur below 5°C. Do not pre-mix or store in diluted form. Seal lid/cap immediately after use.

## TYPICAL ANALYSIS W/V

Copper (Cu)	4.9%
Total Nitrogen (N) (as organic)	0.12%
Total Potassium (K) (as organic)	0.14%
Sulfur (S)	2.55%
Calcium (Ca)	247 mg/L
Magnesium (Mg)	352 mg/L
SG	1.1
pH	2.0 – 3.0
Conductivity	35 – 55 mS/cm
Appearance	Brown liquid

## INSTRUCTIONS

**Stir well before use. Rates and frequencies should be adjusted according to crop monitoring.** Where higher water rates are required for good foliar coverage, do not exceed maximum product rate per hectare. Sensitive foliage or plants should be test sprayed prior to full scale application. Ensure suitable spray conditions (e.g. temperature, humidity, wind-speed), prior to foliar application. Compatibility and/or performance cannot be guaranteed when combined with other products. Jar test for compatibility and spray test on small area before wide-spread use.

## IMPORTANT

- Not compatible with soluble calcium or phosphate based inputs.
- Avoid spraying close to harvest if produce is susceptible to staining.
- **Note:** Product in 1000 L tanks may weigh over 1 tonne. Forklift with 2 tonne lifting capacity is recommended.