

# BUD MATE

Bud Mate is a natural occurring plant extract complexing copper, manganese and zinc with other natural substances that have the energetic capacity to activate several plant defense signaling pathways that coordinate and regulate a network of defense and anti-oxidant metabolites.

Plants under environmental stress (biotic or abiotic) show diminished photosynthetic metabolism, reduced molecular oxygen and respiration and overall diminished energy.

Although these processes are protective they lead to reactive oxygen species (ROS) formation. The prevention of oxidative stress is achieved by a network of low molecular weight anti-oxidants and enzymes (See page 13).

Bud Mate plays a protective role in cellular metabolism by functioning as a secondary signal of plant defense.

Bud Mate is designed for foliar application and contains effective penetrants to ensure absorption of active ingredients to continue influencing the balance of cellular defenses as well as the actual responses to external stresses.

## DIRECTIONS::

Field and Vegetable Crops: Foliar application use 1 to 2 pints per acre or 1 to 2 liters / HA.

Fruit and Nut Crops: Foliar application use 1 to 2 pints per acre or 1 to 2 liters / HA.

## COMPATIBILITY:

Bud Mate may cause russeting in certain sensitive varieties, perform small scale test prior to full scale spraying. Compatible with most other nutrients and fertilizers, not compatible with oils, sulfur, dinitro compounds, perform compatibility test prior to using previously untried tank mixes.

## ANALYSIS

Copper (Cu).....	5.00%
Manganese (Mn).....	0.20%
Zinc (Zn).....	0.20%

