

# **GRAPES - PRE-BLOOM APPLICATIONS**

## General Information

### GENERAL INFORMATION

RNA EDTA 9% ZINC FULLY CHELATED SOLUTION is designed for application to the soil or directly to the plant. RNA EDTA 9% ZINC is highly effective under adverse soil conditions unlike inorganic zinc compounds that are tied-up and unavailable to the plant. These adverse conditions include: high phosphate soil levels, high pH (alkaline), high salinity, high carbonate levels, and clay soils (adsorption). RNA EDTA products are water soluble and move well in the soil solution. RNA EDTA products may be applied separately or in combination with fertilizers or pesticides.

### Function of Zinc in the Plant

Zinc is required by the plant for the growth hormone, seed and grain formation, influences protein synthesis, rate of maturing of seed and stalks, height and length of plants. The typical amount of zinc required by a plant for root, stem, fruit and seed, new wood, and leaves per year is 0.3 to 0.5 pounds per acre depending upon crop and yield. Timing and rates of application are preferred to correspond with high use periods of zinc by the plant. High use periods are early after emergence and prior to pollination.

### Limitations, Restrictions, and Exceptions

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Apply up to one and one-half (1½) quarts per 100 gallons of water by ground or up to one and one-half (1½) quarts per acre with sufficient water for thorough coverage with existing spray program from bud swell to 5% bloom. For cover spray and soil recommendations please consult general recommendations. Table Grapes: Do not apply EDTA 9% Zinc as a post-bloom cover spray.

PRE-BLOOM APPLICATIONS: Ground: Application of EDTA 9% Zinc may be applied with oil dormant/delayed dormant or with existing fungicide program pre-bloom up to one and one-half (1½) quarts per 100 gallons of water. Air: Aerial application of EDTA 9% Zinc may be made with oil dormant/delayed dormant or with existing fungicide program pre-bloom up to one and one-half (1½) quarts per acre with

sufficient water for thorough coverage. Caution: Combined application rates of EDTA Chelates may not exceed one and one-half (1½) quarts per 100 gallons of water by ground application and one and one-half (1½) quarts per acre with sufficient water for thorough coverage by air.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Timings

[Early after emergence and prior to pollination.](#)