



BIOBURST™ ROOTS/SOIL

Product Information Sheet

BIOBURST™ SOIL is a soil applied nutrient suspension formulated to be readily available to roots. It contains alternative sources of nitrogen, for both immediate and long-term benefits, in a form to enhance availability and plant uptake.

Utilizing naturally occurring plant substances, macro and micronutrient components, **BIOBURST™ SOIL** contains—

- 6% Nitrogen from ammoniacal, urea and organic sources
- Chelated Copper, Iron, Manganese, Magnesium and Zinc
- Sulfur, Boron and Molybdenum
- Natural Surfactants
- Humic and Amino Acids
- Liquid Fermentation Product (a source of fermentation substances such as enzymes, amino-acids, vitamin-B complex and microbial metabolites)
- Selected Plant Extracts

Regular use of **BIOBURST™ SOIL** in conjunction with a full fertilizer program and sound cultural practices will improve root growth and nutrition which can lead to increased tolerance to stress, boost plants under nutrient stress and improve plant vigor and yield potential.

The chelation materials utilized in **BIOBURST™ SOIL** include a combination of Citric Acid and partially hydrolyzed vegetable protein providing both complexing and chelation that increase bonding of the minerals, to protect against soil tie-up and increase nutrient availability and uptake, over a wide variety of soil conditions.

BIOBURST™ SOIL is a suspension fertilizer thus accommodating a wide variety of nutrients and organic components. A suspension is a fluid containing dissolved and undissolved plant nutrients permitting a higher or more complex analysis than is possible with true solutions.

Non-phytotoxic when used as directed, **BIOBURST™ SOIL** is compatible with most fertilizers and pesticides. Pilot test compatibility of all chemical mixes.

BENEFITS



Regular use of **BIOBURST™ SOIL** will—

1. Increase the uptake and availability of nutrients.
2. Stimulate growth and metabolism of beneficial soil microorganisms.
3. Improve soil tilth and general soil conditions.
4. Boost plants under nutrient stress.
5. Promote yield potential.

DIRECTIONS FOR USE

Shake well before diluting with water. Dilute at least 20 parts water to 1 part **BIOBURST™ SOIL**. Optimum benefits will be achieved with a application solution pH of 4-6. Product can be applied by ground rig or back pack sprayer or through irrigation water. Agitate spray solution during application and use within 12 hours after diluting **BIOBURST™ SOIL**. These are general directions see specific Crop Application Guides for greater detail.

Citrus: Apply 10 oz/acre (750 ml/Ha) in irrigation water or surface apply under tree canopy and water in every 30 days throughout period of active root growth.

Field and Row Crops: Apply 10 oz/acre (750 ml/Ha) banded or dribbled in seed furrow, in transplant or irrigation water, at planting and as a side dress 30 days after first application. For drip irrigation, in seed furrow or side-dress, apply at a rate of .75-1.25 oz/1000 feet (450-900 ml/100m).

Houseplants: Mix 1 tsp. (5 ml) per gallon (4 L) of water and apply weekly as plant watering.

Lawns: Apply at a rate of 1 oz/1800 square feet (30 ml/100 square meters) a spring flush, mid-summer and fall.

Nematodes: Broadcast pre-plant at 20 oz/A (1.5L/Ha), or band over seed bed at a rate proportional to banded application and incorporate to a depth of 2-4 inches (5-10 cm) prior to planting; or apply at planting at a rate of 1.5-3.0 oz/1000 feet (900-1350 ml/100 meters) of row. For best results irrigate immediately following application. Alternatively spray on the soil surface and water in to root zone in established crops; or to the depth of the seed in newly planted crops; or apply with irrigation water $\frac{3}{4}$ through the irrigation cycle. Applications may be repeated at 2-8 weeks intervals depending upon the degree of infestation.

Nursery and Container Plants: Dilute at the rate of 16 oz/100 gallons (10 ml/100 L) of water and apply as a soil drench.



Shrubs and Ornamental Trees: Mix 1 tsp. (5 ml) per gallon (4 L) of water and apply at transplant and monthly throughout growing season.

Tree Crops: Apply 10 oz/acre (750 ml/Ha) at bud break in irrigation water or surface apply under tree canopy and water in every 30 days throughout period of active root growth.

BIOBURST™ SOIL can be tank mixed with most pesticides and fertilizers. Pilot test compatibility of all chemical mixes. **BIOBURST™ SOIL** should be added after all other chemicals have been fully diluted. If necessary pre-dilute **BIOBURST™ SOIL** in 5 gallons (20 L) of water before addition, increase the amount of water to be applied per acre or add a buffering agent to the tank mix.