

## Using AGGRAND to Grow Field Tomatoes

Field tomatoes require sufficient levels of macro and micronutrients to set fruit. Calcium (Ca) and potassium (K), and nitrogen (N) are especially critical. Insufficient levels of these nutrients produce diseased plants and poor quality fruit. The application of AGGRAND products, biological activators, and/or aerobically composted manure (or other material), inoculates the soil with microorganisms. The microbes convert natural fertilizer nutrients and fix atmospheric nitrogen into plant available nutrients, which speeds plant growth and development.

### Soil Applications

- Mix 2 to 3 gallons AGGRAND 4-3-3 Natural Fertilizer, 2 to 3 gallons AGGRAND 0-12-0 Natural Liquid Bonemeal, and 1 to 2 quarts AGGRAND 0-0-8 Natural Kelp and Sulfate of Potash with at least 100 gallons of water. Apply solution to one acre.
- Keep well watered between fertilizations.

### Banded Soil Applications

Mix 3 to 4 gallons AGGRAND 4-3-3 with 6 to 10 gallons of water (use enough water to allow correct flow rate through the micro tubing). Apply below and to the side of the seed or transplants at planting. Apply solution to one acre. The addition of 1 to 2 gallons of AGGRAND 0-12-0 and 2 to 4 quarts of AGGRAND 0-0-8 along with 4-3-3 may also be beneficial especially when phosphorus soil test levels are below 40 ppm and potassium soil test levels are below 150 ppm.

### Pre-Plant Soil Applications

Mix 3 to 6 gallons of AGGRAND 4-3-3 in 20 to 30 gallons of water. Apply solution to one acre (apply spring and fall if soil is hard and low in organic matter).

### Foliar Applications

Apply AGGRAND 4-3-3 to the leaves of tomatoes to supply additional nutrients.

Mix 1 to 3 gallons of AGGRAND 4-3-3 with 50 to 100 gallons of water and apply as a fine mist to the tops and bottoms of leaves. Apply enough solution to wet the leaf surfaces. Apply in 14 to 21 day intervals after the plants reach 2 to 3 true leaves. The critical stages for foliar applications are 2 to 3 true leaves; pre-bloom and early cluster formation.

Rates vary according to other inputs that are applied. Lower dilution rates are more effective than higher dilution rates. Two or three lighter applications may be more effective than one or two heavier applications. If other constraints allow only one application, then do not exceed a 3 percent dilution rate (3 gallons of AGGRAND to 100 gallons of water). The addition of a biodegradable surfactant increases uptake by increasing adhesion to the leaf surface. Apply AGGRAND in early morning or late evening. Do not apply before or after rainfall or irrigation. On standard field sprayers, use turbo flood jet nozzles when applying AGGRAND to reduce clogging.