



## ESTF – TOMATO FERTILIZER

**ESTF** natural tomato fertilizer is a yield increasing liquid fertilizer formulated with high grade macro and micro nutrients, cytokines, gibberellins, amino acids, humic acid, fulvic acid, enzymes, proteins, vitamins and minerals. **ESTF** fertilizer offers numerous advantages in many different growing mediums. It will conserve plant energy, improve photosynthetic efficiency, aid in biological nitrogen fixation, suppress plant pathogenic organisms and replenishes and maintains long-term soil fertility by providing optimal conditions for soil biological activity. **ESTF** tomato fertilizer can promote plant growth, even when the plant is under nutrient stress. **ESTF** fertilizer contains substances that can open up pathways in plants that allow them to extract more moisture from soil during drought conditions. Similarly, testing has showed that plants, fed with **ESTF**, can withstand up to three degrees of frost.

### **HOW ESTF WORKS:**

EarthSmart tomato fertilizer provides all the necessary nutrients for growing high grade tomatoes. Our natural fertilizer stimulates root growth, improves water retention, limits weed growth, and aids in creating a healthy environment for active soil biomass including earth worms, fungi, bacteria, protozoa, etc. In addition, **ESTF** tomato fertilizer is readily available to the plant and is formulated to increase calcium and moisture which can aid the plant in calcium uptake from the soil.

### **BENEFITS OF ESTF:**

- Increase shelf life
- Stimulate root growth
- Increase plant stamina
- Improve the growth of beneficial soil bacteria
- Improve soil water-holding capacity
- Eliminate the need for chemical fertilizers
- Extend the storage life
- Significantly increase yield

### **APPLICATION RATES & INTERVALS:**

Timing	Rate	Treatment Area	Objective
2 weeks prior to transplanting	360 mL per 20 L of water	Apply to soil	Soil preparation
At transplant	90 mL per 10 L of water	Dip roots in solution or apply in transplanting hole	Promote root development
First watering	90mL per 10 L of water	Apply at base of plant	Stimulate growth
10 days pre-bloom	300mL per 20 to 40 L of water	Foliar	Flower set
3 weeks later	300mL per 20 to 40 L of water	Foliar	Improve size, colour & quality

\*\*Apply diluted solution (150 mL per 4 L of water) at two week intervals until harvest

### **STARTING TOMATO PLANTS FROM SEED:**

1. Dilute 100 mL of [ESST](#) Seed Treatment in 1 Litre of water
2. Soak tomato seeds in the diluted solution for 3 to 5 minutes
3. Plant 4 seeds together at a depth of 0.5 centimetres
4. When plants are 2.5 centimetres in height, transplant to individual pots or thin to 7 centimetres apart
5. Follow the application rate & interval chart above

### **TIPS:**

- Start tomatoes from seed indoors - transplant outside when night time temperatures reach and remain above 10 degrees Celsius
- For late tomato crops, seeds can be planted outdoors when night time temperatures reach and remain above 10 degrees Celsius
- In frost-free regions, tomato seeds can be planted outdoors in early fall for harvest in winter and spring
- Tomatoes are sensitive to cold and changing moisture conditions, mulch plants with hay, straw or old grass clippings
- For staked tomato plants, prune to one or two main stems when side stems reach 5 centimetres in length
- Water tomatoes by soaking the ground around each plant - Avoid spraying foliage

### **SAFETY:**

**ESTF** is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESTF** does NOT contain synthetic chemicals, animal components, and animal by products, manure or manure by-products. **ESTF** is environmentally safe and is not harmful to animals, plants and humans.

### **COMPLIANCE:**

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- a) Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- b) 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- c) Sections 5 and 13, reference 42FR64583
- d) Does not contain marine pollutants as defined in 49 CFR 171.8.

### **STORAGE & HANDLING:**

Do **NOT** freeze. Store in a cool location away from direct sunlight - No special handling required

### **PACKAGING:**

1 Litre Jug  
2 Litre Jug  
20 Litre (5 gallon) HDPE Pail  
205 Litre (45 gallon) Barrel  
1000 Litre Tote