



MetaGrow™ SynthesisESSENTIALS 2.5-0-0 Plus Magnesium, Sulfur, Boron, Chlorine, Cobalt, Copper, Iron, and Zinc

Guaranteed Analysis:

Total Nitrogen (N)	2.5%
2% Water Soluble Nitrogen	
0.5% Water Insoluble Nitrogen	
Magnesium (Mg)	1.4%
Sulfur (S)	2%
Boron (B)	0.5%
Chlorine (Cl)	0.4%
Cobalt (Co)	0.03%
Copper (Cu)	1%
Iron (Fe)	1%
Zinc (Zn)	1%

Derived From: Soy Protein Hydrolysate, Crustacean Shell Meal, Concentrated Sea Water, Boric Acid, Cobalt Sulfate, Copper Sulfate, Iron Sulfate, and Zinc Sulfate

Product Purpose: Provide key nutrients used in photosynthesis and protein synthesis

CHECK COMPATIBILITY BEFORE MIXING WITH OTHER FERTILIZERS. TANK MIX WITH BIOLOGICALS LESS THAN 4 HOURS BEFORE USE. STORE OUT OF DIRECT SUN.

Directions for use: **MetaGrow™ SynthesisESSENTIALS** is a blend of minerals designed to provide key nutrients used in photosynthesis, protein synthesis and to facilitate nitrogen metabolism in the plant. **SynthesisESSENTIALS** is a liquid fertilizer to be used during chlorophyll development, peak vegetative growth and post-harvest recovery for permanent crops. **SynthesisESSENTIALS** can be applied through most irrigation systems or as a foliar spray. **SynthesisESSENTIALS** will pass a 100 mesh filter (149 micron) so check for application method compatibility. Use rates will vary from 0.1-5 gal/acre (1qt/acre is a common single application rate). Soil apply via irrigation 2 weeks post bloom and post harvest for permanent crops. If there are on-going deficiencies, also Foliar apply 0.1-3gal/acre (1qt/acre is sufficient in most cases unless severe deficiencies are being addressed) during vegetative growth stages or post-harvest. To prevent excessive foaming during tank mixing, fill tank 1/2 full before adding **SynthesisESSENTIALS** and avoid splashing of water during filling. It is OK to apply **SynthesisESSENTIALS** with stable microbe products, but always jar test/microscope verify first. Rinse containers into tank as the material will require a couple flushes to completely clean the jug. If mixing into a sealed container, make sure the material is thoroughly mixed prior to closing the container.

This product meets the Program Standards as set forth by the United States Department of Agriculture National Organic Program (NOP) 7 CFR part 205

CAUTION: ONLY FOR USE ON CROPS OR GROWING CONDITIONS NOT SENSITIVE TO BORON AND THE USE ON CROPS OR CONDITIONS SENSITIVE TO BORON MAY RESULT IN SERIOUS INJURY TO THE CROP(S).

CAUTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND RESPIRATORY IRRITATION. MAY CAUSE INTESTINAL DISTRESS IF SWALLOWED. Avoid breathing dust, spray or mist. Avoid contact with eyes. Keep container closed when not in use. FIRST AID: If swallowed, call a physician immediately. Do not induce vomiting unless directed by medical personnel. If in eyes, rinse with water for at least 15 minutes. Remove contact lens after first 5 minutes. If inhaled, move person to fresh air. If on skin, wash thoroughly. If irritation persists for any exposure, call a physician. KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY: Sustainable Growing Solutions, LLC makes no implied or express warranties other than that the Product is consistent with the label's derivation statement and Guaranteed Analysis and is reasonably fit for the purpose set forth on the label when used with appropriate application rates for the soil and seasonal conditions where applied. Because a purchaser's handling, rate, time, and place of application are not within the control of Sustainable Growing Solutions, LLC, our liability to purchasers of this product is LIMITED to replacement of any Product not conforming to this Limited Warranty.

Information regarding the contents and levels of metals in this product is available on the internet at www.aapfco.org/metals.html

Guaranteed by: Sustainable Growing Solutions, LLC, 35410 Jefferson Blvd. Clarksburg, CA 95612

Net Contents: 2.5gal (9.46Ltrs)



Batch Number: 0607W