



MetaGrow™ 5X+

Concentrated Microbe Inoculant

Derived From: Vermicompost, plant protein hydrolysate, and seaweed

ALSO CONTAINS NONPLANT FOOD INGREDIENTS

Microbial Concentration (CFU/ml):

Acinetobacter lwoffii 1x10⁸, *Achromobacter xylosoxidans* 5x10⁷,
Pseudomonas alcaligenes 5x10⁷, *Pseudomonas stutzeri* 5x10⁷,
Brevundimonas subvibrioides 2x10⁷, *Brevundimonas diminuta* 2x10⁷,
Actinobacter johnsonii 1x10⁷, *Pseudomonas caeni* 1x10⁷, *Beijerinckia indica* 1x10⁷,
Acidovorax facilis 1x10⁷, *Mesorhizobium alhagi* 5x10⁶,
Cellulosimicrobium cellulans 5x10⁶, *Pseudomonas putida* 4x10⁶,
Acidovorax carolinensis 1x10⁶, *Pseudomonas formosensis* 1x10⁶,
Pseudomonas xanthomarina 1x10⁶, *Brevundimonas olei* 1x10⁶,
Pseudomonas linyingensis 1x10⁶, *Mesorhizobium australicum* 1x10⁶,
Brevundimonas bullata 1x10⁶, *Bradyrhizobium japonicum* 1x10⁶,
Bacillus cereus 1x10⁶, *Pseudomonas denitrificans* 5x10⁵, *Arthrobacter crystallopoietes* 4x10⁵,
Penicillium melinii 1x10⁴, *Trichoderma harzianum* 1x10⁴, *Penicillium chrysogenum* 1x10⁴,

Product Claims: Increases beneficial microbe population size and diversity; fixes Nitrogen; solubilizes Phosphorus; and, chelates soil Cations (Potassium, Calcium, Magnesium, Manganese, Iron, Copper and Zinc); increases seed % germination, stand and plant growth; enhances soil fertility; increases plant nutrient availability and plant nutrient status; promotes root and shoot growth and plant vigor; increases plant stress tolerance (drought, heat, cold, salt, toxins); increases plant chlorophyll, starch, and protein content; increases organic matter decomposition; improves soil structure and porosity; increases soil Cation Exchange Capacity; and, supplies organic matter.

Product Purpose: Microbial inoculant to promote plant growth

MAY TANK MIX WITH FERTILIZERS - CHECK COMPATIBILITY. STORE OUT OF DIRECT SUN UNDER 100°F (38°C). CHECK COMPATIBILITY BEFORE MIXING WITH PESTICIDES OR FUNGICIDES.

Directions for use: MetaGrow™ 5X+ can be applied as a seed treatment, as a root dip, in transplant water, in furrow over the seed line; sprayed on a berm or "Y" dropped; through the irrigation systems, foliar spray or on crop or cover crop residue. **Seed treatment:** 1 pint (16oz) - 1qt (32oz)/100wt seed – tumble until moisture is absorbed. **Root Dip:** Dilute MetaGrow™ 5X+ with 10 parts water and dip roots – use remainder of dip as a top dress on plants. **Transplant Water or In Furrow Over seed line:** 50oz/acre direct over seeds (direct contact best) with microbe foods (e.g. MetaGrow MFOOD, Fish Hydrolysate, etc.), **sprayed on a berm or "Y" dropped:** 50oz/acre – dilute at least 10:1 or as needed for coverage; **irrigation injection:** 50oz/acre/application (monthly during irrigation season or at crop growth phase change) – apply at middle of the set so soil is pre-wetted and so after injection is completed there is additional water applied to push the material into the soil; **Foliar:** 50oz/acre (make sure apply with microbe foods (e.g. MetaGrow MFOOD, Fish Hydrolysate, etc.) dilute sufficient for coverage, **Residue Decomposition:** 50oz/ac sprayed on with microbe foods at incorporation or crimping of crop residue – dilute sufficient for coverage. See product filter mesh size at the bottom of the label for application method compatibility. Use rates can vary from 16oz per acre up to 10 gallons per acre, depending on crop, the number of applications, and application timing.

CAUTION: NOT FOR HUMAN CONSUMPTION. MAY BE HARMFUL IF SWALLOWED. MAY CAUSE EYE AND RESPIRATORY IRRITATION. MAY CAUSE INTESTINAL DISTRESS IF SWALLOWED. Do not breathe spray or mist. Avoid contact with eyes. Keep container closed when not in use. **FIRST AID:** If swallowed, call a physician immediately if severe cramping occurs. 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.

Guaranteed by and Manufactured by: Sustainable Growing Solutions, LLC, 35410 Jefferson Blvd., Clarksburg, CA 95612 (916) 284-9706

Net Contents: 275 US Gallons (1041Ltrs)

Weight per gallon 8.5 lbs (at 68°F)

BIN #: 0621X

EXPIRATION DATE: 6/21/25

Filter Size 100Mesh (149 Micron)

For MSDS call 916-284-9706.

Version date 6/28/24