



SOIL MIX 3-0-3

WITH COLONIZING RHIZOSPHERE BACTERIA

- Ideal for Soil & Soilless Media
- 100% Organic Carbon Source
- Improves CEC of Soils
- Contains Natural Wetting Agent from Yucca

- Supplies Organic Matter to Soilless Media
- Provides 548 Billion Beneficial Bacterial Spores per Pound

GUARANTEED ANALYSIS:

Total Nitrogen (N) 3%
 0.5% Urea Nitrogen
 2.5% Slowly Available Water Soluble Nitrogen*
 Soluble Potash (K₂O) 3%
 Iron (Fe) 2%

Derived From: Methylene Urea, Urea, Ferrous Sulfate, Condensed Fermented Plant Extracts, Fish Meal, Potassium Humate.

*2.5% slowly available Nitrogen from Methylene Urea

ALSO CONTAINS NON-PLANT FOOD INGREDIENTS:

Bacillus subtilis 1.4 x 10⁹ per gram
 Bacillus megaterium 6.6 x 10⁷ per gram
 Bacillus licheniformis 6.6 x 10⁷ per gram

* Colony Forming Units

20% Humic Acid (derived from Leonardite)
 10% Kelp Extract (Ascophyllum nodosum)
 1.5% . Natural Wetting Agent (Yucca schidigera)
 9.53% Total L-Amino Acids
 20% Clay (Montmorillonite)

pH 4.5

PRODUCT DESCRIPTION:

Soil Mix is a unique blend of rich organic materials from humic acid, a natural wetting agent, 17 natural L-amino acids and porous clay, plus 548 billion beneficial soil rhizobacteria in each pound of material. It can be incorporated into any soil or soilless media to increase organic matter and the cation exchange capacity (CEC). This will improve the general nutrient holding capacity of the soil, making fertilizers more efficient. In addition, *Bacillus subtilis*, a beneficial rhizosphere bacteria, will quickly populate the soilless media and subsequently colonize plant root hairs. This provides active communities of soil microbes that stimulate rooting and improves the nutrient availability and diversity of soil microbes. *Bacillus subtilis* is a Plant Growth-Promoting Rhizobacteria (PGPR) that solubilizes nutrients.

The humic, kelp and L-amino acids provide additional food sources for



	Seedlings and Clones	Transplanting
Soil Mix 3-0-3	8 oz per cubic yard soil	8 oz per cubic yard soil

soil bacteria and plants. The Soil Mix can be used for all type of plants from initial seeding through sizing up, or applied as a side dressing for outdoor field crops. It contains a natural, highly effective wetting agent from Yucca, that helps penetrate even the toughest, compacted soils.

The USDA has certified this product as **Biobased**, containing verified amounts of renewable biological ingredients.

APPLICATION & MIXING:

Soil Mix is effective and can be mixed with any growing mediums such as potting soils, compost, soilless mixes, peat moss, coconut fiber or coir, perlite combinations, clay, or vermiculite. Can be applied as a top dressing on indoor plants already potted and on outdoor cannabis. It can be incorporated along with starter fertilizers to enhance their efficacy.



For Bulk Soil Blending	
Bulk Soil	Soil Mix 3-0-3
1 cubic yard (1 m ³)	1/2 - 1 lb. (300 - 600 grams)
50 cubic yards (38 m ³)	25 - 50 lbs. (11.4 - 22.8 kg)
80 cubic yards (61 m ³)	40 - 80 lbs. (18.3 - 36.6 kg)
100 cubic yards (76 m ³)	50 - 100 lbs. (22.8 - 45.6 kg)

FOR INCORPORATION INTO GROWING MEDIA:

Blend in Soil Mix at a rate of 1/2 pound per cubic yard (yd³) of loose planting mix (300 grams per m³). For best results, Soil Mix must be incorporated thoroughly and distributed uniformly throughout the media during the blending process.

For bulk soil blending use the following table for mixing rates.

STORAGE & HANDLING:

Soil Mix should be stored in normal warehouse conditions.

Keep in cool dry location and out of direct sun light. Soil Mix is not affected by freezing. Do not store above 100° F for long periods of time. Soil Mix has a neutral pH. Always store in original container and keep tightly sealed after opening. Refer to SDS for additional information on storage, handling, safety, disposal and shipping.

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor if you feel unwell: Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
IF ON SKIN:	Remove contaminated clothing and wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention.
IF INHALED:	Call a poison center or doctor if you feel unwell.
You may also contact 1-800-992-5994 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations. Do not reuse container.	

The following precautionary statements and pictograms are based on The Globally Harmonized System of Classifications and Labeling of Chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA)



WARNING

H317 May cause an allergic skin reaction (May cause a reaction to individuals allergic to fish)
 H320 Causes eye irritation
 H335 May cause respiratory irritation

Condition of Sale and Warranty: Growth Products, Ltd. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Growth Products, Ltd. and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. **IN NO CASE WILL GROWTH PRODUCTS, LTD. OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.**

