



SoilRenu, LLC

## SoilRenu Soil Amendments

Through the overuse of chemical fertilizers, fungicides, herbicides, pesticides and other chemical amendments, we have negatively affected essential soil characteristics and structure. No longer can we expect to find a consistent source of native, beneficial microorganisms provided by nature to ensure proper plant growth. SoilRenu is a biochemical product that is used to selectively infuse the soil with beneficial microorganisms and humic and fulvic acids. Through the use of SoilRenu it is possible to command this powerful force of microbes to enrich worn soil, and to digest the nastiest, most troublesome pollutants. SoilRenu adds humic and fulvic acids to the soil to assist in proper root growth, nutrient absorption and increased water retention. This one-step process reduces shock to transplants and prepares all soils for new plants.



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An Alternative to Chemical Growing

4521 Campus Drive  
Suite 502  
Irvine, CA 92612

Phone: 310-728-6411  
mail@soilrenu.com  
WWW.SOILRENU.COM





## ALL-NATURAL SOIL AMENDMENT

- ▶ Increases growth in a shorter period of time
- ▶ Develops a metabolically stronger plant
- ▶ Reacts positively with all types of plants
- ▶ Safe around humans and animals
- ▶ Aids plant resistance to insect infestation and disease
- ▶ Reduces the need for nitrogen by at least 30%
- ▶ Other than nitrogen, chemical fertilizers can be eliminated
- ▶ Fruit and vegetables are well-balanced chemically resulting in proper pH balance
- ▶ More nutrients are utilized by the plant
- ▶ Soils become more manageable after humic acid breaks down soil clods
- ▶ Very economical. At least 2/3 the cost of chemical fertilizers and about double the production results. (The higher production numbers reduces the cost per acre even more)
- ▶ Application is only once per year for annuals and each time a plant is replaced.
- ▶ Replaces lost soil microbes essential for proper soil formation
- ▶ Suppresses soil pathogens
- ▶ Environmentally safe. Will not harm water features, streams or lakes.

### GENERAL DIRECTIONS FOR USE

- For pre-planting soil preparation, broadcast at a rate of 500-700 pounds per acre. Till within 4-6 inches of surface. Subsequent use is 300-500 pounds per year (annuals) or per season (perennials) per acre.
- For existing soil, scratch down to root ball and sprinkle SoilRenu in an area comparable to the root ball diameter. Backfill with soil and wet thoroughly.
- One-gallon plants use approx. one ounce. Larger plants use proportionate amount. Sprinkle half in hole before placing plant. Spread evenly remaining SoilRenu throughout hole during refilling.  
**Note:** There is no exact measurement to use. SoilRenu cannot be overdosed. However, more minerals help condition the soil faster by releasing more humic and fulvic acids into the soil.

### Five Parts to our SoilRenu All-Natural Soil Amendment Formula

- 1) **Soil Microbes** – used to breakdown soil compounds into small particle-sized units that plant roots can absorb as well as affix nitrogen from organic matter which serves to provide a strong immediately usable nitrogen source and a stored nitrogen source for later use.
- 2) **Other microbes** – used to help detoxify contaminated soil.
- 3) **Humate** – used to provide humic and fulvic acid to the plant. Humic and Fulvic acids help create a better water-holding capacity of soil, breaks up clay soils, stimulates seed germination and root formation, respiration and growth (usually seen as a larger mass of roots) helps regulate the pH balance of the soil by assisting the soil in accepting or donating free hydrogen ions, increases plant metabolism and increases drought tolerance. Humate also is a food source for the microbes allowing the plant roots to absorb a maximum amount of pure nutrients immediately.
- 4) **Soil Enzymes** – Certain enzymes have been added to increase the microbial activity so they will reproduce at greater numbers within a specific time period. This allows for a very rapid deployment and hence a very rapid provision of nutrients to the plant.
- 5) **Root Growth Extracts** – Specific enzymes derived from organic materials that stimulate the root growth and creates a “doubling” of the root length to occur. The increase in root length does two things; 1) creates more area for nutrient absorption and 2) seeks deeper ground in which to find water. This aids in the reduction of the number of water applications.

### Free-living Soil Organisms

- The microbes will fix a portion of nitrogen, if not all from the air depending on the type of plant, to allow the farmer to eliminate much or all fertilizer.
- The product improves soil organic matter and “releases” soil nutrients to the crop.
- The product produces better yields, especially during times of drought.
- Soil retains more water due to the use of soil microbes.

### STORAGE

- Store in a cool dry place.
- Avoid getting wet while stored.
- Microbes are freeze-dried and come alive when wet.
- Other ingredients have minimum 2 year life.

### HEALTH AND SAFETY INFORMATION

- No known reactions. Non-carcinogenic. In case of reaction, treat symptoms and contact a physician.
- Avoid breathing dust.
- Wash hands after handling.

### PACKAGING and ORDERING

#### Min. Order—One U.S or Metric Ton

U.S.- 50 lbs. per bag 40 / ton

Metric - 25 Kg. bags. 40 / ton

U.S. or Metric One-Ton Single Totes

SoilRenu is also available in liquid form at lower concentration but without microbes. Min. order is 55 gallons. 8% Humic Acid.