



Nature Helping Science Restore the Natural Process of the Soil Food Web®

Construction Specifications for Soil Secrets Materials

The Soil Secrets Soil Restoration objective is to establish a viable Soil Food Web with beneficial inoculums of specific saprophytic fungi, mycorrhizal fungi (tissues and spores) and soil born bacteria. The Inoculum is delivered in a special mix of **Cultured Humus®** called **TerraPro®**. The technology required to grow this biologically viable cultured humus was invented by Michael Martin Melendrez over 10 years ago and today is still unique and exclusive to his company - Soil Secrets. The microbial inoculant's included are propagated and commercially produced at the nursery, greenhouses and farms of Soil Secrets. The inoculum's contained in TerraPro are stimulated into germination with the catalyst product called **Protein Crumblies®** which is the only Protein Product allowed by Soil Secrets for this objective. **Protein Crumblies is a specific blend and ratio of Amino Acids, manufactured by Soil Secrets.** In addition to providing nutritional calories for the inoculum's germination, reproduction and biological stimulation, it also provides all the major and minor elements of nutrition for most plants used in cultivation. No other NPK products of either in-organic or organic source must be used with this Soil Restoration protocol or once the annual maintenance is initiated.

Protocol:

- Regardless of the landscape material being treated - Apply **TerraPro®** at 44 bags per acre, which is one .6 cubic foot bag per 1000 sq. ft.! **Top dress or hydroseed only!**
- Apply **Protein Crumblies®** at 22 bags per acre, which is one .6 cubic foot bag per 2000 sq. ft! **Top dress or hydroseed only!**
- In severe cases where compacted soils, turf diseases, Saline or Sodic soils, dry spots, soils with very low organic matter or Manufactured fill soils. Apply Soil Secrets liquid Soil Inoculants and liquid Humus (**Nectar®** & **Ambrosia®**) at the 1-gallon per 1000 sq. ft. rate plus the Terra Pro and Protein Crumblies.

Conditions for proper performance:

1. With the exception of Hydroseeding, never mix TerraPro with Protein Crumblies for the purpose of spreading as one step.
2. The exception to rule one is if Hydroseeding, where mixing is very effective.
3. Water-in with a minimum of ½" precipitation after spreading material.
4. **Reapply this protocol once per year -minimum, substituting Soil Secrets TerraPro II™ product for the TerraPro.** If done properly the first time, TerraPro is only needed the first year. TerraPro II does not have the Mycorrhizal component, but will continue to help accumulate viable humus in the soil.

Do not mix into the soil!

Soil Restoration® is a protocol of products that are exclusive & unique to Soil Secrets LLC, Developed by Michael Martin Melendrez and manufactured by Soil Secrets LLC in Los Lunas, New Mexico