

Terreplex™

Renewable Carbon-rich Acidifier

GENERAL INFORMATION

Terreplex™ is a carbon-rich acidifier derived from the lignin in trees. It is a natural organic polymer, fully biodegradable, non-phytotoxic, non-corrosive, and economical for use on turf. It reduces bicarbonate levels helping convert these bound minerals into plant-available forms while acting as a complexing agent to improve absorption. **Terreplex** contains over three pounds of carbon per gallon, providing the energy source needed to stimulate soil microbial activity. **Terreplex** is ideal for use on all cool-season and warm-season turf, as well as ornamental plants in the landscape including annual and perennial flowers, foliage plants, grasses, ground covers, trees and shrubs.

DIRECTIONS FOR USE

Terreplex is suitable for applications on all warm- and cool-season grasses including golf courses, home lawns, athletic fields and sod farms, as well as ornamental landscape areas. **Terreplex** can be applied via irrigation systems or as a spray application and is not phytotoxic when used in accordance with the label.

Spray Application

Apply **Terreplex** using 1-2 gallons of water per 1000 ft² as a spray application using boom, hand-held or backpack sprayers. It is not necessary to water **Terreplex** into the soil immediately after application. However, it is suggested that **Terreplex** be watered into the soil in order to have a greater impact on soil chemistry.

For best results, fill spray tank half full with water, add the appropriate amount of **Terreplex** and begin agitation. Add the remaining water to fill tank. Vigorous agitation may require addition of a commercial defoamer. Mixing **Terreplex** with TriCure AD Soil Surfactant™ at the time of application will greatly improve the penetration of **Terreplex** into the soil, hence optimizing the results (see *TriCure AD label for specific rate information*). Since **Terreplex** has a low pH, it is not recommended to be mixed with high-pH materials unless application is made promptly. **Terreplex** is compatible with many commonly used turf chemicals; however, a jar test and field testing should be conducted on any tank mix with which you do not have prior experience to assure safety concerns are met.

Application by Injection

Application of **Terreplex** via irrigation lines is recommended where possible. Please consult your **Terreplex** representative or Mitchell Products directly with any questions or for further assistance.

APPLICATION RATES AND INTERVALS

In general, a program for reducing bicarbonates requires treating a soil with an initial shock treatment of organic acid to clear the problem area before adopting a semimonthly maintenance program. Application rates of organic acids depend on the local water and

soil conditions. The rates below are guidelines for application by spray or by injection. Use rate can vary depending on the severity of the conditions and on a number of other factors including amount of rainfall, irrigation frequency and soil type. A water sample may provide a more accurate benchmark for determining use rate. Contact your local Terreplex representative or Mitchell Products directly with any questions or for further assistance.

Rates and Application Intervals for Turfgrass and Ornamentals

	Rate	Application Schedule
Initial Shock Treatment	64 oz/A	Apply the initial shock treatment, wait 14 days, then begin a maintenance program.
Treatment Maintenance Program	32-64 oz/A	Apply Terreplex on a 14-day schedule throughout the growing season. Regular use over time may lead to decreased application rates as conditions improve.

Treatments should continue throughout the growing season. Rates can typically be lowered over time as conditions improve, although acid treatments cannot be discontinued entirely. If acid is discontinued and the problem stems from poor irrigation water quality or parent material, the soil will return to its original condition over time.

IRRIGATION DESCALENT

Terreplex acts as a descalent in irrigation lines, keeping them free of calcium deposits. Normal use rates and intervals of the product will provide this benefit without any adjustment to product rates. The descalent properties of the product are most noticeable in drip irrigation systems which are commonly used in ornamental plantings.

BENEFITS

- Reduces bicarbonate and sodium levels
- Increases Ca and S solubility
- Adjusts soil pH levels
- Provides a carbon source to stimulate microbial activity
- Enables the release of nutrients bound up in the soil which may reduce fertilizer inputs
- Improves air and water movement through the soil
- Enhances turf nutritional program efficiency
- Descalant for irrigation lines
- Non-phytotoxic
- Safe to handle

PRECAUTIONARY STATEMENTS

- Overexposure causes eye irritation, excessive watering redness
- Overexposure to skin may cause itching and redness
- Harmful if swallowed. May cause diarrhea, nausea, and vomiting
- Wear approved eye protection and clothing

IN CASE OF CONTACT

- EYES: If eye exposure occurs, wash with water for at least 15 minutes. Call a physician.
- SKIN: Eye and skin irritant. Wash skin and clothing thoroughly with water after exposure.
- INGESTION: Contact physician or poison-control center. If victim is conscious and able to swallow, quickly give milk or water to dilute. Do not give sodium bicarbonate, vinegar, or fruit juices. Never give anything by mouth if victim is unconscious or having convulsions. Induce vomiting only upon advice of a physician.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed. Store in an approved facility out of reach of children or unauthorized personnel. Store in original container. Dispose of unused contents according to RCRA and all applicable national and local government regulations. Containers may be disposed of after thorough rinsing and offered for recycling or reconditioning or disposed of according to approved national and local regulations. Do not reuse empty containers.

WARRANTY: Seller warrants that this material is suitable for the purpose stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any contrary to such directions. Seller makes no other expressed or implied warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Contents:

Plant Derived Organic Acid 55%
Inert Ingredients 45%

NON-PLANT-FOOD INGREDIENTS

KEEP OUT OF REACH OF CHILDREN

CAUTION: Harmful if swallowed

MITCHELL PRODUCTS

1205 W. Main Street
Millville, New Jersey 08332
Phone: 856.327.2005 • Fax: 856.327.6881

tricure.com

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfco.org/metals.htm>.

PRODUCT LABEL