

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 1 kilogram of carbon per 4 lt, providing the energy source needed to stimulate soil microbial activity.

DIRECTIONS FOR USE

Terreplex is ideal for use on all cool-season and warm-season turf including golf courses, home lawns, athletic fields, sod farms, and ornamental landscape areas including annual and perennial flowers, foliage plants, grasses, ground covers, trees and shrubs.

Spray Application

Apply **Terreplex** using 5-10 lt of water per 100 m² 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.

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

Rates and Application Intervals for Turfgrass and Ornamentals

	Rate	Application Schedule
Initial Shock Treatment	4.4 lt/ha or 44 ml/100	Apply the initial shock treatment, wait 14 days, then begin a maintenance program.
Treatment Maintenance Program	2.2-4.4 lt/ha or 22-44 ml/100	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.

LIME OVERSPRAY FOR ENHANCED Ca AVAILABILITY

Traditional lime applications can be oversprayed with **Terreplex** to significantly increase the amount of calcium solubilization. Application of lime should be made according to recommendations from a soil test report. **Terreplex** overspray should be applied following a lime application, though it is not necessary to spray immediately after. Water-in after overspray application.

Single application: 8.8 lt/ha

Split applications: (2) 8.8 lt/ha applications 14-28 days apart

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
- Descaler for irrigation lines
- 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.

ACTIVE INGREDIENT

Plant Derived Organic Acid 55%
(Derived from calcium lignosulfonate and lignosulfonic acid)

INERT INGREDIENT

Water 45%

CONTAINS NON-PLANT-FOOD INGREDIENTS

KEEP OUT OF REACH OF CHILDREN

CAUTION: Harmful if swallowed



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PRODUCT LABEL