Applications of the *Liquid Aeration* program transform treated soils, resulting in healthy, vigorous grasses that cost less to maintain. The *Liquid Aeration* program delivers cost savings and predictable results in every situation.

[www.soiltechcorp.com](http://www.soiltechcorp.com)
Biological Thatch Reduction

Designed to replace expensive core aeration. Saves labor, time and headaches.

Liquid Aeration Program

Soil Technologies Corp.
2103 185th St., Fairfield, Iowa, U.S.A.
Ph: 641-472-3963  Toll Free: 800-221-7645
E-Mail: info@soiltechcorp.com • www.soiltechcorp.com
THATCH RELIEF

TECHNICAL DATA

PURPOSE: Thatch Relief is a natural product for the accelerated decomposition of excessive thatch in turfgrass. It is used to reduce the need for expensive mechanical de-thatching (raking, slicing, aerating).

COMPOSITION: Thatch Relief liquid is a combination of naturally occurring bacteria strains, plant enzymes and surfactants.

TURF APPLICATIONS: Use one gallon of Thatch Relief per acre (3 oz./1000 sq.ft.), mixed in water or liquid fertilizer. Applications should be made when soil temperatures are between 50-90° F. Apply 3-4 times per season when thatch exceeds one inch. Once the thatch has been reduced below one inch, a twice yearly schedule will be sufficient. For the northern zones, apply twice in spring/early summer and twice in late summer/fall. For the southern zones apply fall, winter, spring.

Thatch Relief used with Oasys Ultra wetting agent, provides a Liquid Aeration program to reduce the need for expensive mechanical aerification of lawns and sport fields.

APPLICATION METHOD:

Apply Thatch Relief liquid with water or liquid fertilizer (min. 40 gallons/acre). The product should be watered in by irrigation or rain after application. Allow 2 days between Thatch Relief applications and the use of herbicides, fungicides and insecticides.

Research has shown that Thatch Relief reduces the thatch layer by an average of 15% per application.
THATCH RELIEF

Reduces Thatch by 15%

Research shows that just one application of Thatch Relief liquid reduces thatch by an average of 15% in just 45 days!

Lawns and sports fields all suffer when thatch builds up and restricts the movement of air and water in the soil. Mechanical thatch reduction methods can temporarily tear up the playing surface. Thatch Relief liquid helps reduce thatch build-up without any bad side effects. Use as part of our Liquid Aeration program to transform problem soils.

The Liquid Aeration program delivers cost savings and predictable results in every situation.

The Liquid Aeration schedule will open up tight soil, increase turfgrass rooting, reduce thatch, improve soil fertility, and improve turf disease and pest resistance.

Thatch Relief is applied at one gallon/acre at 4-6 week intervals during the growing season. The result is healthy, vigorous grasses that cost less to maintain.

CALL FOR INFO:
1-800-221-7645/ ext. 105

Soil Technologies Corp.
2103 185th Street,Fairfield, IA 52556, U.S.A.
www.soiltechcorp.com
**PURPOSE:** Oasys Ultra is a organic-based, plant derived wetting agent and microbial feed. It is used to increase water retention and percolation in dry and hydrophobic soils. The natural plant extracts act as a biostimulant and provide an excellent food source for beneficial bacteria.

**COMPOSITION:** Oasys Ultra is composed of extracts from the Quillay (*Quillaja saponaria*) plant, seaplant extracts and humic substances.

**SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quillay Extract</td>
<td>88.0</td>
</tr>
<tr>
<td>Humic Acids</td>
<td>1.5</td>
</tr>
<tr>
<td>Seaplant Extracts</td>
<td>0.5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>10.0</td>
</tr>
</tbody>
</table>

**APPLICATION RATES:**

<table>
<thead>
<tr>
<th></th>
<th>Amount</th>
<th>Dilution</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transplants</td>
<td>1 oz.</td>
<td>1 gal.</td>
<td>soil drench</td>
</tr>
<tr>
<td>Spreader/Sticker</td>
<td>16 oz.</td>
<td>100 gal.</td>
<td>in spray formula</td>
</tr>
<tr>
<td>Insecticide Treatment</td>
<td>32 oz.</td>
<td>100 gal.</td>
<td>in spray fromula</td>
</tr>
<tr>
<td>Seeding /Over-seeding</td>
<td>6 oz.</td>
<td>3-6 gal.</td>
<td>at seeding</td>
</tr>
<tr>
<td>Sodding</td>
<td>6 oz.</td>
<td>3-6 gal.</td>
<td>at installation</td>
</tr>
<tr>
<td>Hydroseeding</td>
<td>2 gal.</td>
<td>tank mix</td>
<td>30 min. seed soak</td>
</tr>
</tbody>
</table>

**DOSAGE FOR TURFGRASS APPLICATIONS:**

- **Preventative:** Apply 6 oz./1,000 sq.ft. each month during the growing season.
- **Curative:** Treat affected areas with 12oz./1,000 sq.ft. of Oasys Ultra as needed. For very hard or compacted soils, use Oasys Ultra at the curative rate

**APPLICATION METHOD:** Oasys Ultra is water soluble. It can be mixed with pesticides and liquid fertilizers or applied alone or through an irrigation injection system. Oasys Ultra can be watered in by regular irrigation or rain. For best results, dilute in water and spray on the soil surface or foliage. Add 6 oz. of antifoam agent per 500 gallons of tank mix.
Why Is Oasys Ultra Different Than Every Other Wetting Agent?

- Feeds beneficial soil bacteria
- Biostimulant improves turfgrass health
- No residue build-up - biodegradable
- Helps turf bounce back from heat stress
- Plant-derived product (Quillay)
- Non-burning formula - organic

Research Results - Oasys Natural Wetting Agent

Discussion: Three tubes were filled with clay loam soil. An equal amount of liquid was then placed into each tube and timed to completely infiltrate into the soil. One tube had water only (Untreated), one tube had water + Oasys (labeled rate) and one tube had water + Aquagro (synthetic wetting agent).

Results: The Oasys treatment improved water infiltration into the soil by 72% over the untreated control. The Aquagro treatment improved water infiltration by 98% over the untreated control.

Source: Sumitomo Chemical Co. Experimental Farm, Japan.
Liquid Aeration
It’s a Real Game-Changer!

- Low-cost Alternative
- Longer Lasting Results
- No Equipment Breakdowns
- No Clean-Up of Cores
- Opens Up Soil
- Reduces Thatch
- Improves Turf
- Increases Roots
- Increases Biological Activity

www.soiltechcorp.com