

# Drain Field Rejuvenation

Drain fields, the soil that accepts the effluent from a septic tank, either residentially or commercially, is designed to allow the discharged water to percolate through the biomat. Drain fields fail because of any one of three reasons:



1. Hydraulic overload (too much water being released into the septic tank and then discharged into the drain field)
2. Faulty design or installation
3. Organic overload (too much nondegraded grease, oil, and organic matter)

When the cause of drain field failure is organic or hydraulic overload, the reasons often stem from improper maintenance protocols, particularly in commercial drain fields. If the biomat becomes clogged with an abundance of nondegraded organic matter, the discharged water cannot percolate through and drain properly. If the problem is compounded by hydraulic overload, the drain field is the stopping point for water and organics that have been pushed through the system.



A drain field requires bacteria to degrade and consume a large portion of the organic waste that flows through the system in order to maintain a working balance. When chemicals, detergents, and other toxic substances kill off naturally occurring bacteria, drain fields overloaded with water and organic matter will eventually fail.

Failed or near failing drain fields can be effectively and inexpensively rejuvenated with liquid **BioOne**<sup>®</sup>. The natural bacteria in **BioOne**<sup>®</sup> will immediately begin degrading and eliminating the organic matter clogging the biomat to allow the field to begin draining properly. Once a drain field has been remediated with **BioOne**<sup>®</sup>, a septic system maintenance program is strongly advised to avoid repeat failures.

For best results, pump septic tank and add 2.5 gallons of Liquid **BioOne**<sup>®</sup> directly into septic tank. Adding another 2.5 gallons of Liquid **BioOne**<sup>®</sup> for every 400 square feet of drain field through the distribution box and or header pipe is also strongly advised.

For completely failed drain fields, the most immediate results will be obtained when Liquid **BioOne**<sup>®</sup> dosing is coupled with soil fracturing. Dosing amounts can vary depending on the size of the drain field. Jetting is also another method if introduction, mix with water and jet down the lines.