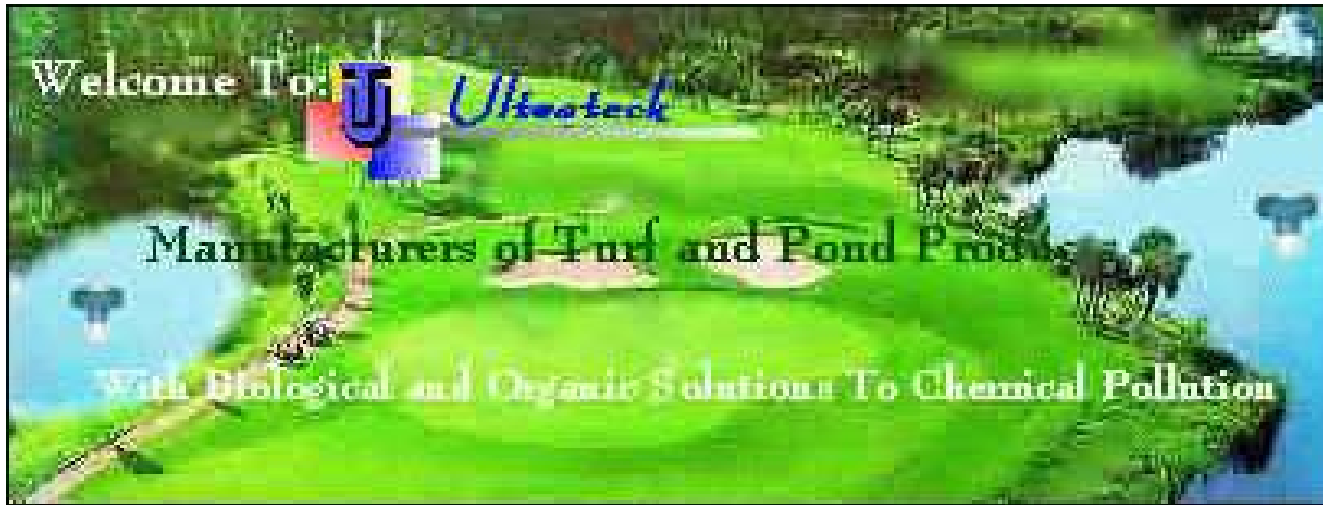




Welcome To: Ultrateck Laboratories Inc.



With Natural Biological and Organic Solutions to Chemical Pollution



Golf Course Turf and Pond Products Division

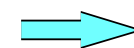
Meeting Today's Demands For a Cleaner Healthier Environment



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Introduction To Our Products





Ultra OrganoZyme



Organic Growth Stimulant Rapid Greening Root Development For Greens Fairways

Ultra OrganoZyme: Has a broad range of activity which permits maximum productivity under the most severe growing conditions and stresses of modern and intensive golf course maintenance practices.

The ingredients contained in Ultra OrganoZyme exhibit the following effects:

*** Aids Germination Root Development and Rapid Greening ***

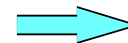
*** Increases Water Retention and Absorption in the Soil ***

*** Stimulates Biological Activity in Soil ***

*** Increase Nutrient Uptake by Altering the Tension of Water ***

*** Mellows Soil Hardpan and Compaction ***

*** Reduces Chemical Requirements ***



Ultra OrganoZyme - Properties



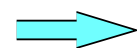
General Benefits

Ultra OrganoZyme: Acts as a bio-stimulant, alters the tension of water which helps release bound up soil nutrients and improves water absorption and retention capabilities preventing drought and excess water turf stress.

Ultra OrganoZyme: Contains natural plant growth regulators such as auxins, gibberlins and cytokinins, more than 106 minerals and a rich source of natural chelated iron, vitamins, amino acids including fulvic and humic acids based on organic plant extracts of natural origin.

Ultra OrganoZyme: Is an economical and safe alternative for increasing turf growth, root development and rapid greening without sacrificing safety. Has a broad range of activity which permits maximum productivity under the most severe growing conditions and stresses of modern and intensive golf course maintenance practices. With the ever increasing costs of traditional chemicals it is a safe and economical alternative in increasing production and reducing chemical inputs.

Ultra OrganoZyme: May be injected directly through your irrigation system in the pump house with a simple installation reducing the need for labor intensive manual applications



Ultra OrganoZyme - Use Methods



SUGGESTED GOLF COURSE USE METHODS

Broadcast Spray Greens: Initial: 4 to 6 oz. (110 to 170ml) per 1,000 sq. ft. per month

Additional: Three 2 to 3 oz. (60 to 90 ml) per 1,000 sq. ft. per month

Broadcast Spray Fairways: Initial: 3/4 gallon (3 liters) per acre per month

Additional: 1/4 gallon (1 liter) per acre per month

Injection System: Initial: 3/4 gallon (3 liters) per acre per month

Additional: 1/4 gallon (1 liter) per acre per month



Ultra BioZyme-6000PC

BioZyme-6000 PC Biological Pond Cleaner



Lac Piedmont Before Treatment July 08/02



Lac Piedmont After BioZyme 6000-PC Aug 28/02

BioZyme-6000 PC has taken more than 5 years to develop in order to have a safe and effective product for today's and tomorrow's needs. With a viable bacteria content in the billions of organisms per gram.

BioZyme-6000 PC is formulated and engineered to degrade a great variety of troublesome pollutants. The unique strains of microflora can degrade and detoxify a large array of substituted and unsubstituted aliphatic and aromatic hydrocarbons.

BioZyme-6000 PC has been shown to be more resistant to heavy metal content than some other products. Growth on petrochemical compounds and the compounds concurrent biodegradation occur even when up to 100 mg/L of cadmium, arsenic, copper, iron, lead, tin, zinc, cobalt, selenium, or silver are present.

BioZyme-6000 PC can also utilize nitrogenous compounds of various types during the course of remedial detoxification of the carbonaceous compounds.

BioZyme-6000 PC provides a level of bioaugmentation efficiency that is superb in quality, broad in applicability, and unique in stability and reliability.

BioZyme-6000 PC bacteria are able to sustain growth over a wide range of temperatures from a high of 45°C to temperatures approaching as low as 4°C on a great variety of carbon sources.

BioZyme-6000 PC

BioZyme-6000 PC Substrates Attacked

BioZyme-6000 PC is comprised of immobilized bacteria with special nutrients and stabilizers in a dry granular form. The product is stable for up to 12 months as long as it is kept cool and unexposed to excess moisture and freezing conditions.

Primary Mode of Action (Substrates Utilized Best): Phenol, pentachlorophenol, phosphorus, nitrogenated groups, hydrocarbons with hydroxylated, octane, ethane, other short-chained alkyl hydrocarbons.

Secondary Action (Substrates also attacked): Salicylic acid, biphenyl; xylol; phenoxy alcohols; mineral oils; lubricating oils, kerosene; surfactants; gasoline; . Intermediate length alkyl hydrocarbons and alcohols, fatty acids, benzoic acid, citrus oils.

Activity Count: 3.0 billion/per/gram/min. (84 billion per oz)

Status: The Organisms in our BioZyme-6000 PC biological dry concentrate comply to: The Canadian Environmental Ministry - DSL list. In Asia, Australia, Europe, USA and most other countries complies to Class 1, non pathogenic, non mutating spore form / spore forming organisms

DIRECTIONS FOR USE: Every waste treatment situation is different. Therefore, please contact one of our technical support representatives for further information.

PACKAGING: 10 and 20 kg lined fiber drums



Soil Acid Neutralizer



The Organic Solution For Soil Acid Conditions of pH 6.0 or Below

Soil Acid Neutralizer is a liquid concentrate solution of organic chelating, wetting, penetrating and dispersing agents, combined with a highly reactive hydroxide base.

Soil Acid Neutralizer is designed to neutralize acid soils and may be used in a wide variety of applications. Soil Acid Neutralizer may be used on acid soils where it helps to free up the carbonate reserves, which causes a rapid release of the soils unavailable alkali reserves and increases pH in the (MCS) water pH of soils.

Soil Acid Neutralizer reacts rapidly with the organic acids blocking the OH sites on the carbonates and re-opening them for further activity. Soil Acid Neutralizer helps to make nutrients available by increasing water pH of acid soils to a level which maximizes the availability of essential nutrients.

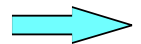
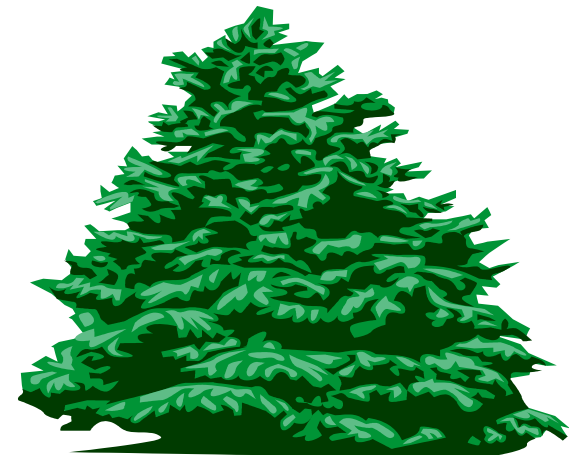
Soil Acid Neutralizer functions by increasing the solubility of the calcium ion, opening more sites for hydrogen ion reaction at greater dispersion in the soil and by immediately reacting to neutralize the (MCS)-Moisture Content of Soils, safely and naturally.

Another Point which must be made is, that the greenest and healthiest golf course greens and turf have soils, when analyzed within pH ranges of 6.0 to 7.5 (MCS) which maximizes nutrient availability and beneficial biological activity.

General Use Rates: 3 to 6 liters Soil Acid Neutralizer with 100 liters water per acre and well irrigated (watered) for maximum effect. Normally effective in the upper 20 to 30 cm root zone of soil.

Packaging: 210 and 20 liter plastic drums. D.O.T. Class: Corrosive Liquid. (By Sea or Land Freight Only)

Contact our turf specialist for your specific needs.





Ultra De-Salinifier



The Organic Solution For Soil Nutrient Blockage And Hydrolization

Ultra De-Salinifier is based on a complex of Food Grade organic acids combined with natural wetting and buffering agents.

Ingredients: Ultra De-Salinifier contains algenic and citric acids, combined with organic plant extracts of natural origin in a liquid concentrate.

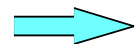
As Ultra De-Salinifier is diluted after injection through the golf courses turf irrigation system, in the soil, the contained acidity reacts with the minerals in the soil and water primarily the bicarbonates. It is important to understand that of all the mineral constituents (dissolved salts), bicarbonates are usually the most important, in terms of their potential for damaging the plants. This is because bicarbonates react with other contained minerals, especially calcium, to form insoluble salts, specifically limestone.

Some of the active ingredients in Ultra De-Salinifier also react with the bicarbonates in the soil to produce harmless constituents carbon dioxide and water. This reduces the potential for forming lime deposits and chemical salt complexes.

Excessive salinity, alkalinity, loss of aeration, mineral nutrient imbalances and inhibited microbial activity are all continuous potential problems that may be reduced with the regular use of Ultra De-Salinifier in high pH soil conditions.

General Use Rates: Based on maintaining an irrigation water pH between 5.8 to 6.4 or use 1/2 to 3/4 liters of Ultra De-Salinifier per 1000 sq. meters of surface with above water solution pH range, depending on depth and soil salinity conditions.

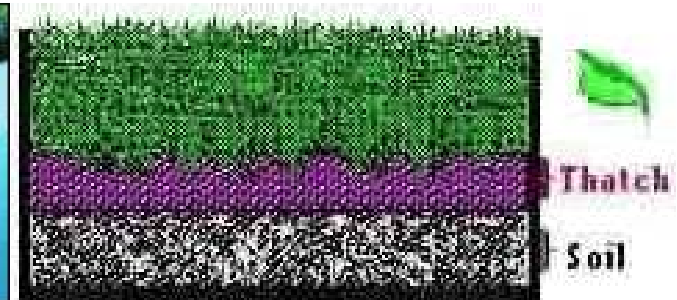
Ultra De-Salinifier Available in: 20 and 210 liter plastic re-usable re-sealable pails and drums





Ultra BioZyme-5000

Biological Thatch Digester



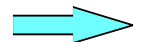
Ultra BioZyme-5000 is a concentrated liquid solution of selected enzymes and natural beneficial indigenous soil organisms for the rapid digestion and recycling of grass clippings and other plant residues.

Golf courses are often being highly maintained with regular irrigation, mowing and fertilization to promote lush growth and excessive thatch has become a problem.

Thatch is composed primarily of products from stems, leaf sheaths, grass clippings and stubble roots that are fairly resistant to decay.

Excessive thatch weakens the turf and makes it more susceptible to damage from disease, insects, heat, cold, and drought.

Ultra BioZyme-5000 is based on non toxic and non hazardous soluble fermentation extracts of indigenous origin for golf course greens and fairway applications.





Ultra BioZyme-5000 Advantages



Ultra BioZyme - 5000 Thatch Free Soils Are Healthy Productive Soils

Ultra BioZyme-5000 is based on non toxic and non hazardous soluble fermentation extracts of indigenous origin for golf course greens and fairway applications.

Improves Aeration By Rapidly Digesting Organic Blockers In The Thatch Layer

Improves Water Penetration In The Upper Thatch Layer

Prevents Nutrient Blockage By The Removal Of Thatch and Plant Residue Barriers

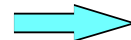
Rapid Digestion And Conversion Of Plant Residues To Beneficial Organic Matter

SUGGESTED METHODS GREENS FAIRWAYS

Rates will depend on thatch and soil conditions which vary.
General: 120 to 170 ml or 4 to 6 oz per 1,000 sq. ft.

Contact our turf specialist for your specific needs at our E-mail below or your local authorized distributor.

Ultra BioZyme-5000 Available in: 10, 20 and 210 liter plastic UV resistant re-usable pails / drums



Detox-O-Zyme



Detoxifies Revives Reactivates



Detox-O-Zyme: Helps to detoxify soils contaminated with complex synthetic chemicals, such as cumulative herbicide and pesticide residuals.

The primary reason for the toxic cumulative contamination effects is due in large part to the destruction of the natural biological recycling systems in the soil.

Detox-O-Zyme: Helps to revive and repopulate the indigenous biological recycling populations in the soil which break down these chemical toxins to simple carbon dioxide and water.

Detox-O-Zyme also increases the availability of non organic nutrients such as phosphates and trace elements which are made available for turf and root growth by metabolic processes.

SUGGESTED USE METHODS

A- Mix to 1 kg or 1 to 2 pounds of Detox-O-Zyme with your normal per acre amount of dry granular fertilizer or lime and apply in the regular manner.

B- Detox-O-Zyme may be used at a rate of 1 to 2 applications per season. Soil contaminants analysis test should be taken prior to application and 10 to 60 days after application.

The application of Detox-O-Zyme should be followed by watering in order to activate and establish the beneficial indigenous organisms in Detox-O-Zyme. Results are normally observed within 5 to 10 days from application.

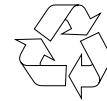


Thank You For Reviewing Our Products

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With Natural Biological Solutions To Agricultural Pollution



Internet Site: <http://www.ultrateck.net>



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