

Improving Water Quality Above and Below...



Before



After



CE cETLus

**Aerating Fountains**  
by Otterbine®

# Otterbine AERATING FOUNTAINS

OFFERING BOTH FUNCTION AND BEAUTY these surface spray aerators are engineered to provide results, and are supported by a 5-year warranty and *Pattern Guarantee*. Widely used throughout the world, Otterbine's Aerating Fountains improve and maintain water quality in ponds and lakes by controlling algae and eliminating odors while providing attractive fountain-like displays.



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## Redexim North America: Breaking barriers to better turf

**R**edexim North America is a leader in the design and development of professional turf equipment produced specifically for aeration, seeding, top dressing and environmental maintenance. With marketing operations in over 50 countries in the world, it has the largest range of equipment in its sectors, supported by a worldwide network of authorized distributors.

The Redexim North America corporate office is in Fenton, Mo., with its parent company and central engineering base in Zeist, Holland, with sister companies in England and in Australia, supported by manufacturing in the USA, UK, Holland, Italy and Hungary. The Group's philosophy is to supply to each market with products that meet local needs.

"These products are designed to withstand vigorous use in all conditions, and are backed by a distribution network that can handle technical, parts and service back-up that is the best available in the industry," said Paul Hollis, executive vice president of Redexim North America. "Investment in new product development and research into finding better methods of grounds care/maintenance is a major objective of Redexim North America to ensure that we remain the world leader in meeting the specialist needs of the turf and ground care markets."

Redexim North America was formed as a corporation in Pennsylvania in 1997. For 17 years prior to that, Redexim equipment had been imported by a sales agent in the Scranton area. "Since the beginning, we have experienced tremendous growth in the company, expanding into synthetic turf and other markets, while staying with our core philosophy," Paul said.

"We lead the way with products like Verti-Drain, Verti-Core, Verti-Seed, Verti-Quake, Verti-Knife, Over-Seeder, Easy Spread, and Turf Tidy. These unique and trend-setting machines are the most advanced turf management tools on the market, recognized for performance, quality, durability and customer satisfaction. All Redexim products pass the toughest test of all – the test of time.

"The quality construction and advanced design of Redexim products are backed by the best after-the-

sale service program in the industry. Our distributor network, the finest in the world, guarantees spare parts availability to keep your equipment running. Redexim North America has become a leader in golf course and turf management equipment by supplying the best machines money can buy, and by listening to the people who use them. Forging strong relationships with customers, built on trust and respect, is essential to our promise of quality."

Paul went on to say, "Innovative design, craftsmanship, and heavy-duty construction make Redexim products the standard of quality in the turf management marketplace. We know what our customers need – machinery that performs well, saves time and offers value. The market-leading range of Verti-Drain's and other fine equipment have outsold and outperformed all competitors for over 30 years."

Redexim products have been used by golf course superintendents in the four major championships, and by sports turf managers in championship venues for the NFL, MLB, NCAA, IOC, FIF, UEFA, and the World Cup.

In the coming year, Redexim North America plans to launch its walk-behind power plant called the Carrier, which can work with seeders, aerators, verti-cutters and a multitude of other small three-point mounted equipment. In addition, Paul told us that Redexim North America is planning the exciting introduction of a new high-speed deep-tine aerifier called the Bullet in two sizes later this spring or summer.

"While we have no crystal ball to foresee the future, our hopes are that we see the world economy to pick up and strengthen existing revenue streams. Further expansion of our factory-direct store, Redexim Turf Products, as an alternative to conventional distribution is on the drawing board, as well as additional investment in our agriculture divisions, Tortella North America and Parmiter North America, while the agriculture market continues to be booming," Paul concluded.

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# Redox Turf Proves Less Isn't Just More ... It's Better!

**R**edox Turf Proves Less Isn't Just More... It's Better! Golf course superintendents are constantly under pressure from three fronts: agronomically, to produce vibrant, healthy and quality playing conditions; economically, to produce positive results profitably; and environmentally, generating visible results while faced with the demand for lower inputs and reduced impact on ground and surface water.

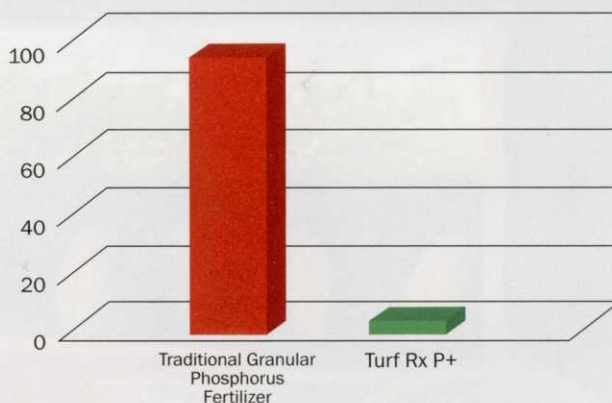
Lower nutrient inputs – particularly phosphorus and nitrogen – is not simply a fad that superintendents can expect will fade away. While most people educated in agronomy understand the need for nutrients to generate quality turf, it is also understood that the nutrients need to be kept from leaching into ground water.

Through the development of high-efficiency fertilization solutions, Redox Turf provides protected, complexed nutrient molecules, preventing “tie-up” in the soil.

With superior effectiveness, and dramatically lower application rates, Redox Turf allows you to be environmentally responsible without sacrificing conditions.

The result is more effective uptake by the plants and dramatically lower inputs, protecting ground water from potential ecological harm.

## Phosphorus Inputs



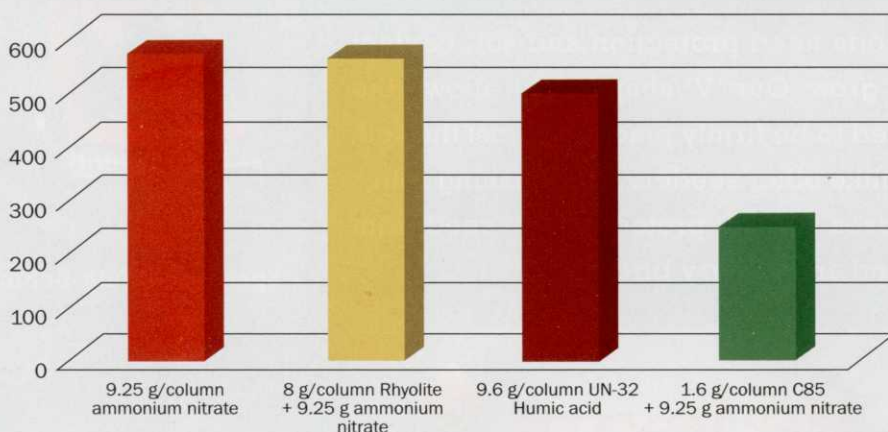
Much of today's conventional product chemistry was developed decades ago with simple product chemistry in mind, often neglecting the agronomic requirements that may be necessary for optimum plant growth.

The science of Redox focuses on Agronomic Chemistry centered on four primary considerations: The agronomic needs of the plant, potential soil and plant interactions, interactions of the elements in solution and finally, product chemistry. In essence, we address the question of product formulation in a reverse order of the traditional approach.

The result is plant nutritional solutions that work, and work effectively together, to produce healthy and high quality turf.

On golf courses across the nation measuring by all relevant standards, including Visual Quality, the use of Redox Turf has continually shown to be agronomically, economically and environmentally advantageous.

## Nitrate Content In Percolate



# STRO \_ \_ G GREE \_ \_ \_ VIBRA \_ \_ T All you add is the N

Introducing the most complete plant nutrition solutions for fairways and greens that allow you to control Nitrogen inputs.

**TurfRx Fairway** and **TurfRx Green** are highly efficient sources of carbon-chelated K & P nutrients, combined with essential micro-nutrients, giving you the power through all seasons to improve and maintain plant health without excessive growth. Add only the Nitrogen you need, based on cultivar and season.

From coast-to-coast, **Redox Turf** has been the solution of choice of leading course superintendents. Now, we are introducing easy-to-use formulations of our two most popular products:

**TURFRx**  
Fairway  
Flowable

**TURFRx**  
Green  
Flowable

Cost effective, safe to handle and easy to mix, the **Redox Turf Flowable** solutions provide powerful, plant-available nutrients that strengthen plant growth in any growing environment.

Call your **Redox Turf representative** today to learn more about the fast, easy and affordable way of improving conditions on your course.

Visit [www.redoxturf.com](http://www.redoxturf.com) to find a distributor near you.

**RedoxTURF**

[www.redoxturf.com](http://www.redoxturf.com) Redox Chemicals, LLC 208.678.2610



## Tools for Fall Clean-up and Cultivation

Superintendents face many challenges going into the Fall season. The first major challenge is debris clean-up from falling leaves, pine cones, pine needles, etc. Cool season grasses need to be aerified, verticut, etc. And some Superintendents use this time of the year to mow native areas before going into the winter months. **Wiedenmann** manufactures several pieces of equipment to aid in these processes.

For aerification, Wiedenmann manufactures several models of **Terra Spike** deep tine aerifiers. These deep tine aerifiers will obtain the depths needed to break through any black layer, thereby reducing compaction that increases water, air, and nutrient exchange to the roots. As a result, root depth will increase causing healthier leaf production and improved resistance during stress conditions. The full range of Terra Spikes by Wiedenmann accomplishes these goals while offering the user the correct size, depth, and speed of machine to meet their specific needs. A variety of tine options, both solid and coring, are available as well as multi-tine blocks for tighter hole spacing. Wiedenmann has worked for decades to develop the technology to offer **the fastest deep tine machines on the market**. The Terra Spikes are very durable and user friendly, offering a variety of features such as the Quickset adjustment of the entry angle and of the depth, the VibraStop and PowerPack anti-vibration and absorption systems, the Quickfit tine mounting and extraction system, the ATC (Advanced Tine Control) system offered on the GXi HD, Turf Retainers, Safety Guards, Rear Rollers, Tight Hole Spacing, Ballast Weights, Windrows, etc.

For debris clean-up, Wiedenmann offers several tools, including the **Mega Twister** blower which swivels 270° on the ground while producing 14,000 cfms of airflow while creating very little noise. Another tool for debris clean-up is the new **Super 120 M** turf sweeper which is a self-contained sweeper that efficiently collects leaves, debris, aeration cores, etc. Due to its compact size, it can be maneuvered on and around greens and tees as well around other tight areas. It is also ideal for cart paths and hard surfaces.

The Super 120 M has a 48" working width and a 2.1 cubic yard capacity. It is powered by a Honda GX 240 gasoline engine and can be pulled by most vehicles. Once collected, the debris is easily removed with a manual discharge lever. The bigger brothers to the Super 120M are the **Super 500** and **Super 600**. The Super 500 can be equipped with a brush head, like the Super 120M, or with the multi-purpose sweeper/flail/verticutting head that is also used on the Super 600. Not only do the Super 500 and Super 600 do a superb job with wet and dry debris clean-up, they also perform some mulching of material while sweeping and collecting. The airflow is so great that the multi-purpose sweeper head does not come in contact with the surface. Once collected, debris can then be deposited into a dump truck or other container by using the high dump feature allowing dumping up to 83" off the ground.

For mowing native areas, the **Super 500** and **Super 600** with flail blades are the ultimate tools for mowing native areas and collecting the clippings in one pass. The flotation axles and robust design of the Super 500 and Super 600 allow for operation in difficult areas. Debris can be dumped in a container or dump truck by using the high lift feature of the Super 500 and the Super 600.

For removing excess thatch by verticutting, the tools of choice are the **Super 500** and the **Super 600**. The Super 500 and Super 600 will verticut and collect the thatch in one pass, which allows for verticutting without making a mess. Verticutting becomes a one-man, one tractor operation. Most golf courses are required to close while using a typical verticutter due to excessive mess and the necessity of using many resources for clean-up. With the Super 500 and Super 600, one can verticut during play with optional spacing of ¾", 1 ½", or 2 ¼". In addition, both the Super 500 and Super 600 have a high dump hopper that will lift up to 83" high.

For more information, please contact  
Wiedenmann North America, LLC.  
[www.wiedenmannusa.com](http://www.wiedenmannusa.com).

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# REVOLUTION

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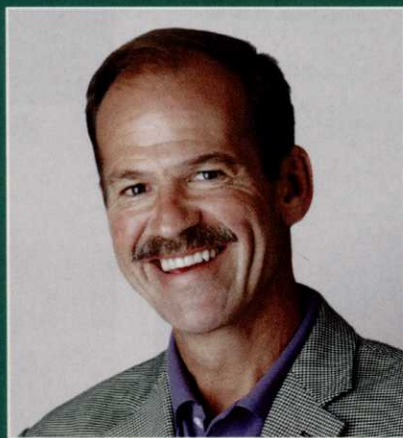
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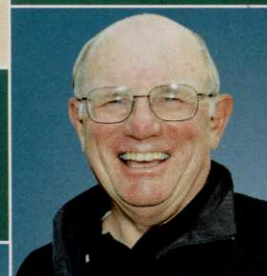
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# feeding frenzy



Your fall fertilizing program has a direct impact on spring turf. Superintendents share their strategies that get their turf fed and in top condition.

BY RICHARD SKELLY

**H**ow does one best approach fall fertilization after an extremely dry and hot summer? No doubt this issue is on the minds of many superintendents around the Southwest and Midwest. All experts GCI talked to agreed fertilizer with higher levels of potassium and phosphorous is the way to go, but when you're talking 30 to 60 acres of coverage, that can get downright expensive.

Most every superintendent knows the importance of keeping good logbooks and records of how much was applied to the turf

on what dates and how, but what do you do after a weather season like this one, marked by the most extensive drought and excessive heat since the Dustbowl of the 1930s?

Tim Nielson, the superintendent at Creekmoor Golf Club in Raymore, Missouri, not far from Kansas City, says in his 10 years of being a superintendent, he's never witnessed such a dry spring and summer. Creekmoor is an 18-hole semi private facility built in 2006 that opened in 2007. Nielsen has zoysia fairways and bent grass tees and greens.

"I haven't seen anything like