Since 1954, Aquatrols has led the industry in developing innovative products for effective resource management. Aquatrols combines state-of-the-art research and development techniques, a technically knowledgeable sales force, and a long history of industry expertise to effectively meet the changing needs of the professional turf industry.

The Aquatrols product portfolio includes an array of surfactants and other specialty chemicals tailored to meet the growing challenges of the industry, and all products undergo stringent quality control and assurance testing before they are shipped to assure your satisfaction and your turf’s protection.

Aquatrols provides proven tools for effective water management and improved plant health, which are backed by Aquatrols’ exclusive money-back performance guarantee.

Dispatch is a patented technology that maximizes irrigation efficiency and distribution uniformity, providing quality turf with up to 50% water and energy savings. Unlike other surfactants, Dispatch is specially formulated for injection into irrigation systems to maximize irrigation results. By allowing water to penetrate immediately into the soil profile upon contact, Dispatch minimizes water loss through evaporation and runoff, maintaining turf color and quality at half the traditional water usage rate. Dispatch’s unique mode of action also promotes more even penetration and retention of applied nutrients, limiting the percentage lost to leaching. Solve water related stresses coursewide by injecting Dispatch.

Aquatrols is a curative surfactant formulation designed specifically to provide rapid recovery from existing water management problems such as localized dry spot. Aqueduct can also be used as a pretreatment tool to correct problem areas, reducing water repellency and restoring the rootzone’s ability to regain optimum moisture levels. Aqueduct quickly reduces turf wilt and promotes recovery of stressed turf without concern for burning. Aqueduct is the perfect solution for bunker faces, LDS, wet spots and other areas that require curative treatments. It’s also great after top dressing.

Revolution is a patent-pending technology that extends turf’s natural antioxidant activity and significantly increases stress tolerance by balancing air-to-water ratios in the soil. By providing better moisture access and gas exchange in the rootzone, Revolution improves overall turf health and makes it much more resilient under all types of stresses. Keeping water moving consistently into and through the plant increases photosynthesis, which leads to increased production of non-structural carbohydrates. It also boosts the efficiency of other cellular processes, keeps leaf turgor stable for more consistent play, and maintains evapotranspiration rates to keep the turf canopy cooler. Revolution lets you gain control of rootzone conditions so that your turf can perform to its greatest potential. Revolution is exceptionally safe on fine turf species and is the perfect solution for greens, tees and other turf areas that must be highly maintained and tolerant to a variety of stresses.

Revolution®

Dispatch®

Aqueduct®

Aqueduct is a curative surfactant formulation designed specifically to provide rapid recovery from existing water management problems such as localized dry spot. Aqueduct can also be used as a pretreatment tool to correct problem areas, reducing water repellency and restoring the rootzone’s ability to regain optimum moisture levels. Aqueduct quickly reduces turf wilt and promotes recovery of stressed turf without concern for burning. Aqueduct is the perfect solution for bunker faces, LDS, wet spots and other areas that require curative treatments. It’s also great after top dressing.
Arysta LifeScience North America turf & ornamental products is part of a global organization working to provide you with leading-edge chemicals that are easy to use and supported by independent research, for performance you can count on. Our goal is to provide you with products that provide consistent insect and disease control, for healthy plants and more beautiful turfgrass.

Disarm™ The Hyperactive Fungicide™

DISARM™ Fungicide

For fast-acting control of key diseases in cool season and transition zone turfgrasses.

Applied in combination or rotation with labeled non-strobilurin fungicides, DISARM delivers fast-acting, long-lasting control of brown patch, dollar spot, anthracnose, gray leaf spot, summer patch and other key diseases. DISARM is the latest advance in strobilurin chemistry with an enhanced biological mode of action, offering you five important benefits:

1. With its rapid systemic activity, DISARM quickly penetrates leaf surfaces and translocates throughout the entire plant to deliver fast-acting disease protection.

2. The unique systemic activity of DISARM provides a continuous release of protection throughout the plant for longer-lasting residual control and complete leaf and crown protection.

3. DISARM Fungicide offers superior translaminar movement to help protect the underside of leaves and other unsprayed plant surfaces.

4. The enhanced systemic activity of DISARM enables it to be used in tank-mix combinations or rotations with labeled non-strobilurin fungicides to optimize your disease control programs and minimize the threat of disease resistance.

5. DISARM Fungicide is rainfast in as little as 15 minutes, giving you greater flexibility to work around irrigation schedules and sudden rainstorms.

Always read and follow label directions. DISARM and “The Hyperactive Fungicide” slogan are trademarks of Arysta LifeScience North America Corporation. ARENA® Insecticide

University trials prove that only ARENA lets you apply from early May through early September for unsurpassed preventive and curative grub control.

Now there’s a product that lets you stop white grubs, chinch bugs, sod webworms, billbugs and other destructive pests on your schedule—not theirs. ARENA® Insecticide.

ARENA with clothianidin is a new generation neonicotinoid insecticide that works in three ways to protect your turf. Applied preventively as early as May and June, ARENA provides season-long control of white grubs while stopping other soil-borne insects dead in their tracks. Or, if treating for grubs only during the standard preventive timing, ARENA can be applied at a reduced rate to lower costs. And ARENA has demonstrated greater acute activity on target pests, enabling it to be used as an effective curative or rescue treatment when other products fail.

ARENA works like no other turf insecticide. First, it’s rapidly absorbed by turfgrass for fast-acting systemic protection. In addition, ARENA Insecticide exhibits low solubility, so it persists in the root zone for consistent, season-long control. And finally, ARENA has demonstrated greater acute activity on target pests, enabling it to be used as an effective rescue treatment when other products fail.

Always read and follow label directions. DISARM and “The Hyperactive Fungicide” slogan are trademarks of Arysta LifeScience North America Corporation. ARENA is a registered trademark of Arysta LifeScience North America Corporation. The ARENA logo and “Putting You In Control” slogan are trademarks of Arysta LifeScience North America Corporation. The Arysta LifeScience logo is a trademark of Arysta LifeScience Corporation. ©2006 Arysta LifeScience North America Corporation.
BASF Professional Turf & Ornamentals

Better turf comes from better products. At BASF, we offer a comprehensive portfolio of products specifically designed to help you keep your course weed-free and disease-free, with maximum efficiency of labor and other resources.

We know your career can be made or broken out on the course. That’s why BASF offers the tools you need to keep your course in the peak condition that virtually eliminates player complaints.

**Insignia® fungicide** controls an exceptionally broad spectrum of turf diseases, with long-term results. In fact, Insignia has shown excellent residual control on many turf diseases, reducing your labor and materials costs and enhancing your peace of mind. When used as directed, Insignia:

- Controls key turf diseases for up to 28 days.
- Delivers better control of the top five diseases than other strobilurins.
- Suppresses dollar spot.

**Emerald® fungicide** works differently than anything else you’ve seen used to control dollar spot. Emerald disrupts fungal growth and development, halting disease development. Both the mode and site of action of Emerald differ from any other fungicides used to control dollar spot, which is why Emerald can effectively control pathogens that have developed resistance to other fungicides.

When used as directed, Emerald:

- Provides unprecedented dollar spot control in virtually every major turf species, and in every region of the United States.
- Delivers better dollar spot control in bentgrass than other fungicides.
- Gives superintendents a true resistance-management tool.
- Uses low use rates and provides strong residual control.

**Curalan® EG fungicide** offers economical, effective dollar spot control in cool- and warm-season turfgrasses. Curalan also controls eight other diseases including brown patch, leaf spot, red thread and melting out. Curalan provides strong, preventive protection with a long residual that results in significant cost savings when compared with many other fungicides.

**Drive® 75 DF** herbicide effectively raises the bar for postemergent weed control. A single, convenient application of Drive quickly clears your course of a broad spectrum of both broadleaf and grassy weeds — from crabgrass and foxtail to clover and dandelion — in a wide variety of turf species. Then Drive keeps weeds under control and fairways clean for 30 to 45 days — in some cases for more than 3 months. Drive also offers exceptional seeding and overseeding flexibility — allowing you to seed many varieties of turf immediately before or after application.

**Basagran® T/O** post-emergent herbicide provides cost effective control of annual and perennial nutsedge species in cool- and warm-season grasses. It also provides exceptional value for control of kyllinga and numerous broadleaf weeds on cool- and warm-season turfgrasses.

**Pendulum™ AquaCap® herbicide** provides economical, long-lasting, broad-spectrum, pre-emergent control of troublesome weeds including crabgrass, goosegrass, oxalis, henbit, spurge and nearly 40 other broadleaf and grassy weeds. The AquaCap formulation greatly reduces odor and staining while easing clean up.
Bell Laboratories is a world leader in pest control products. From initial product inception and development to manufacturing and subsequent support in product use, Bell focuses on quality, functionality and innovation.

Bell is a vertically integrated manufacturing company. All of Bell's products are designed, tested and manufactured in its modern facility in Madison, WI, which houses its manufacturing operation, offices, and biological and chemical testing laboratories.

Bell's dedicated staff is committed to providing quality pest control products and superior customer service at every stage—from product manufacturing to proper field use. This support includes internal and external technical expertise and technical reps in the field that consult on difficult control problems.

**Talpirid Mole Bait:**

**TALPIRID Kills Moles**

The result of more than four years of groundbreaking research, TALPIRID redefines the concept of mole control. TALPIRID is the first and only mole bait designed, developed and scientifically proven to kill moles.

TALPIRID'S size, shape and feel allow a mole to consume the bait in the same manner as its primary food source, the earthworm. Special enhancers ensure immediate attraction and excellent product acceptance. Once consumed, the active ingredient, bromethalin, capitalizes on the mole's unique physiology to provide a quick kill. One worm contains a lethal dose and can kill in 24 hours. TALPIRID is easy to use and is proven to be extremely effective.

"Great job! Thank you for finally researching and producing a great product that by far, is the best product on the market for mole elimination!" —Robert M. Donofrio, Shadow Lake Golf Course

"It really does work." —James Longhi, Longhi's Golf

**Rodent Rid:**

Developed to control voles, pocket gophers and ground squirrels, RODENT RID has a broad label for use on lawns, golf courses, parks, ornamental and non-bearing fruit tree plantations, nurseries and other non-crop areas.

A restricted-use pesticide, RODENT RID contains 2% zinc phosphide formulated with human food-grade ingredients for a highly palatable bait that competes well with food in the animals' natural environment.

Depending upon the location, the bait can be either broadcast or hand applied. Once consumed, the bait acts quickly, killing pests in as little as 24 hours. RODENT RID is similar to Bell's ZP Rodent Bait AG, which has a broad-use label for large operations outdoors and is only available in 50-lb. bags. RODENT RID, on the other hand, was developed for smaller applications on a select number of outdoor pests. Hence, it comes in a convenient 3-lb. pail that is easy to carry and reseals tightly to keep bait fresh and free from odor contamination.
Bernhard and Company Ltd. is the original manufacturer of spin grinding machines whose origins date back to the 1880s. Bernhard's main product line includes the revolutionary Express Dual reel grinder and the Anglemaster bedknife grinder.

Simple, amazingly fast, highly accurate and very reliable, they have transformed workshop practice and boosted productivity worldwide. Moreover, they produce a cleaner cut, which causes less damage to grass, improving its health and appearance.

Using the Express Dual and Anglemaster system can help ensure that courses can be kept in the best possible conditions at all times. As expectations for smooth, consistent and faster greens increase, the surgical cut produced from reels sharpened with Express Dual and Anglemaster results in a consistency of cut that enables golf courses to provide everything golfers have come to expect.

Express Dual Spin Grinders

America's Favorite Grinder — Express Dual spin grinders are renowned for lightning speed with simplicity, ease of use and exceptional reliability.

- World's fastest grinders, 15 minutes floor-to-floor
- Simple to set up and use
- No need to remove bedknives
- Health and safety compliant

Express Dual 5000

- The ultimate user-friendly spin grinding system
- User configurable grind cycles set up with remote handset
- Fast turnaround — unattended grind cycle completion
- Fully enclosed grinding cabinet — sound and dust suppression

Express Dual 3000

- Simple feed system with digital display electronic auto-cue control for parallel grinding
- Variable reel speed for extra output and balance
- Now comes standard with auto traverse, lift table, safety guard, speed loading, storage and dust collection
- Options include vacuum system and the new blade thinning attachment

Anglemaster 3000 Bedknife Grinder

The Anglemaster has been developed to meet the needs of the most demanding users. With its fine tolerances and ability to produce any desired angle, the Anglemaster ensures that the reel and bedknife work in perfect harmony. Unlike other systems, Anglemaster reflects reducing reel sizes and the resulting changes in relative bedknife angles.

- Simple to set up and use
- Accurate grind to one-thousandth of an inch
- Unique bedknife angle indicator positions bedknives of any size to any desired angle
- Heavy, robust construction prevents flexing
- Health and safety compliant

The new Rotamaster 4000

With a new unique clamp mechanism and fast aligning jig bars, rotary blade grinding is now faster and easier than ever.

- Ensures both ends of the blade are sharpened equally
- Self-contained, takes up no extra bench space
- The safest rotary blade grinder around — hands are kept away from the working area

Rapid Facer 1000

A significant component in a non-lapping program. Fast and easy to use bedknife maintenance.

- 90-second cycle time
- Prolongs bedknife life
- Unmatched accuracy

Blade Thinning Attachment

New accessory is ideal for golf courses that want to relief grind without compromising the legendary speed and ease of Express Dual.

- Attachment is fitted to lift table and is easily positioned to allow for normal use of the Express Dual lift table
- Removable for easy storage
- High speed electric grinding action
**Turfcide® 400, Turfcide® 10G**

Turfcide® fungicide is the industry standard for control of snow molds. Snow molds occur from late fall to early spring during cold, wet periods. Infections are most severe when snow covers the turf for long periods of time.

Turfcide controls both Pink Snow Mold, also called *Microdochium nivale*, and Gray Snow Mold, also called *Typhula* Blight, caused by *Typhula* spp.

Available as a 4 lb./gal. flowable or a 10% granular formulation, Turfcide is the right solution for that one, all-important application just before the snow flies.

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**Terrazole® 35WP**

Terrazole® 35WP fungicide works as both a preventive and curative for control of *Pythium* diseases. *Pythium* blight, grease spot, spot blight, root rot, cottony blight and seedling damping-off are common names of diseases caused by *Pythium* sp. One of the most destructive turf diseases known, a severe outbreak can be devastating within days.

A wettable powder, Terrazole 35WP mixes easily with water and can be applied with standard spray equipment at any time, even on bright, sunny days. And, even after years of on-course experience, no resistance has ever been reported with Terrazole.
For 70 years, Cleary has supplied the fine turf and ornamental industries with superior quality plant protection products, using the most up-to-date technology. First-hand experience with Tara Greens, our corporate-owned and maintained golf course, helps us appreciate the challenges encountered by turf and ornamental professionals.

Our technical expertise in solving problems related to diseases, insects or application needs is our outstanding service contribution to the industry. We participate nationally in numerous trade shows, education conferences and field days. Should you have a question or a problem, technical support can be obtained through our recently updated web site, the Field Technical Sales Representative nearest you or through our toll-free number. Our experts will be happy to provide the guidance necessary to answer any questions.

**3336 PLUS** with ClearTec™ Activation Technology™ is Cleary’s latest disease control solution for turf. 3336 PLUS is a re-engineered product that delivers enhanced efficacy and up to 50% longer-lasting disease control on golf fairways compared with 3336, all while using less active ingredient at effective use rates. Like 3336, new 3336 PLUS provides broad-spectrum disease control and is an ideal rotational or tank mix partner in a disease control program.

**Tristar 30SG Insecticide** is a new water-soluble granular formulation. Tristar 30SG mixes easily and, like original Tristar 70WSP, is compatible with many tank mix partners. Tristar 30SG comes packaged in 8-oz. containers that allow for multiple measurements of product, which is particularly convenient for small-volume uses. Tristar 30SG is effective against the same pests as Tristar 70WSP, including scale, aphids, thrips and whiteflies.

**26/36** is a new, premixed combination of two trusted turf and ornamental fungicides, iprodione and thiophanate methyl. The contact and systemic activity of 26/36 is effective against a broad spectrum of diseases while providing long-lasting control.

**Endorse™ Translaminar Fungicide for Turf** is a broad-spectrum fungicide providing excellent control of Patch diseases such as Yellow and Brown Patch. Endorse is also a great performer against Anthracnose and Fairy Ring. This unique chemistry makes Endorse a great rotational fungicide to help manage resistance. Endorse is “soft” on grasses during hot and stressful conditions. That’s because Endorse has a unique mode of action that doesn’t regulate growth of turf in the summer. Rotating Endorse into your summer fungicide program will help you manage summer stress and control the toughest diseases on your tees, greens and fairways.

**Spectro™ 90 WDG Turf & Ornamental Fungicide** combines two top disease-controlling products, Cleary 3336™ and Daconil, into one easy-to-use water-dispersible granular formulation. Spectro saves you the time, trouble and worry of tank mixing. Spectro is also Spectro’s unique formulation provides both contact and systemic activity for both Dollar Spot and other tough diseases.

**Alude™ Systemic Fungicide** is your solution to the prevention of Pythium and Anthracnose on fine turf. Alude is a unique, stable liquid formulation of the phosphonate class of fungicides that does not contain aluminum like some of the other pythium materials. Alude, with its rapid foliar uptake and complete systemic activity, prevents Pythium right down to the plant’s roots. In fact, Alude is so fast-acting it can be applied preventively several days or even hours before a suspected outbreak of Pythium blight, saving you time and labor, but more importantly, saving your greens and tees.
Excell Minerals is a privately held company that has been a
global industry leader for more than 30 years. Excell Minerals
has earned a reputation for high quality products and out-
standing service to the markets it serves.

Introducing:

**EXCELLERATOR**

An excellent choice for improving turfgrass performance and
strength – rich in soluble silicon and micronutrients.
Excellerator is a prilled calcium silicate product, custom
blended with a unique blend of micronutrients proven to
enhance turf health. Its proprietary design allows for immedi-
ate water release, permitting rapid turf uptake and response.
Excellerator strengthens turf and enhances resiliency, making
it ideal for high traffic areas.

How it works:
The majority of sand-based soils have a high silicate content,
but are typically deficient in silicate monosilicic acid, the plant-
available form of silicon. Even on traditionally fertilized
greens, turf silicon demand will, over time, outstrip
the soil's ability to supply sufficient silicon by nor-
mal weathering processes.

Excellerator, once applied, uniquely works to
improve soil fertility. Excellerator strengthens
plant cell walls and improves overall plant health,
increasing resistance to insects, diseases and
fungal attack. Under dense turfgrass stands, root-
absorbed silicon can indirectly stimulate growth by improv-
ing leaf erectness. This enhanced leaf erectness provides
improved turf health which will allow lower mowing cuts while
increasing greens speed.

"For me, as a plant pathologist, to see what silicon
does for diseases is just phenomenal. It doesn't just
control one disease, it controls several diseases. You
can better manage your fungicide application..."

- Dr. Lawrence Datnoff
University of Florida

Excellerator is a unique source of soluble silicon. This
specialty turf fertilizer contains the highest levels (39%)
of soluble silicon known in the industry. Silicon, when plant
available, offers several distinct benefits to the turf manager:

- Strengthened turf with enhanced resiliency, making it ideal
for high-traffic areas
- A reduction in heat stress
- Improved disease and insect resistance
- Increased availability of soil-bound phosphorus
- Improved traditional fertilizer performance

In addition, soluble silicon applications have been shown
to alleviate nutrient toxicity symptoms, increase antioxidant
concentrations, and increase photosynthetic capacity.

Excellerator is an important addition to an existing sound fer-
tility program.
Excellerator is a unique, immediately soluble, prilled, calcium
silicate source, custom blended for the turfgrass industry.
Excellerator provides your turf with silicon, calcium and other
key micronutrients.

Research has shown silicon fertilizer applications can
increase phosphorus availability, improve root mass, and
increase the rigidity and elasticity of turfgrass leaf tissue. With
Excellerator's unique nutrient package this new product is an
excellent choice to enhance an already-existing fertility and
disease management program.

Excellerator is available in two turf pellet sizes:

**Excellerator Greens and Sports Turf Grade:** A 90-100 sgn
micropellet designed for greens

**Excellerator Fairways Grade:** A 180 sgn pellet designed
for sports turf and fairways
The New Faces of Floratine
New Ownership Dedicated to Technology, Training, and Service

Zeroing in on the core mission that made Floratine successful in the past, the new owners of the company — Brian Goodwin, Kevin Cavanaugh, and Peter Strömberg — say that aggressive growth strategies with a continued commitment to the superintendent will be the cornerstone of their strategic business plan going forward. Founded by William “Bill” Byrnes, Travis Jones and Richard Price in 1991, the Floratine Products Group has become a major player in the industry, with a unique line of scientifically designed products managed through an exclusive and well-educated sales force.

The new ownership of Floratine has had the benefit of being a crucial part of the success of Floratine over the past 10 years. In North America it is the presence of Kevin Cavanaugh, VP Sales & Marketing that best represents the new face of Floratine in the golf industry. Kevin brings a world of experience as a successful superintendent who has worked his way up, from his internship at a well-known golf course in Augusta, GA, to his final position as a GCSAA Class A Superintendent. In the past three years, Kevin has helped Floratine position its technology and field support system with a clear focus on the realities of the superintendent's world.

The international development of Floratine has been extremely dynamic in the past six years, with the establishment of distribution in 35 countries. This evolution into a global force in greens management is primarily due to the leadership of Peter Strömberg, Executive Vice President. Peter has been based in Stockholm, Sweden, where he began his career as the Floratine distributor for Scandinavia. Peter plays a major role in furthering the position of Floratine around the world and gives the North American division a unique perspective on golf as a global industry.

The final member of the ownership team is President and CEO Brian Goodwin. Brian joined Floratine in 1996, leaving Canada and a successful career in the organic industry. It was this background that led to his relationship with Floratine, where he was mentored by Bill Byrnes and Travis Jones, who instilled in him a passion for the basic philosophy of Floratine. Prior to this change in ownership, Brian was Floratine’s Executive Vice President and COO.

The new ownership is focusing on development of new technology while continuing to support the evolution of their distribution partners throughout the United States, Canada and the world. They are in the process of creating a new generation of salespeople who understand the Floratine technology and share a commitment to the superintendent as the basis of their business.

The latest advancement in technology for Floratine is its acquisition of rights to new material from Europe, which will become a core part of its product performance. It is the benefits of this Carbon Power technology that will unleash the essential element of life (Carbon) to build and sustain turf health in the face of increasing stress factors. Designed to complement other Floratine applications, Carbon Power products are both immediately cost-effective and economically sound investments for the long term, building plant strength in order to minimize the need for chemical applications and the labor required to apply them.

Another recent commitment to science is the AnaLync Soil Diagnostic System, which is licensed to Floratine on an exclusive relationship with Analysis International. This system is unique in that it was developed especially for turfgrass and benefits from a correlation between conventional and specialized soil analysis techniques, which are then run through an advanced software system based upon turfgrass-derived data from around the globe. This predictive approach to seeing what is actually occurring in the soil improves the superintendent’s ability to make overall nutritional program decisions.

Brian Goodwin, Peter Strömberg, Kevin Cavanaugh, and the entire team at Floratine appreciate the trust and loyalty of their customers and look forward to introducing new customers worldwide to the benefits of Floratine products.
John Deere Golf & Turf One Source™ is a full-service platform bringing together equipment, agronomic products and other services to better serve the expanding needs of golf course superintendents, owners, architects, builders and management companies. The program offers a full line of industry-leading mowing, maintenance and irrigation products, including certified preowned equipment through the John Deere Assured program. Additional products offered through One Source include seed, fertilizer, chemicals, landscaping supplies, fertigation, drainage and golf course accessories from industry leaders—all available through a local John Deere distributor. As the official golf course equipment and One Source supplier to the PGA TOUR, John Deere can be trusted to provide superintendents the tournament-level quality needed on today's golf courses.

John Deere 2500E Hybrid Tri-Plex Greens Mower
The John Deere 2500E boasts reduced leak points, trouble-shooting diagnostics and thermal motor protection. Equipped with an option of two engines, the 2500E gas model offers an 18-hp, four-cycle Kawasaki V-Twin engine, while an 18-hp, three-cylinder John Deere Series 220 powers the diesel model.

John Deere has eliminated more than 100 potential leak points at the reel circuit, while still providing superior cut quality and the power required to perform normal mowing as well as verti-cutting and scalping for overseeding programs.

John Deere Golf Irrigation
With a full line of state-of-the-art irrigation products, One Source offers the most intelligent controllers available today. The Aurora® line offers flexibility and reliability through patented Peer-to-Peer network communications, extensive lightning protection, and a variety of agronomic sensing options. This Peer-to-Peer communication allows schedule programming in any controller from any controller. Weather information and sensor data can also be shared across the network. In many cases, the satellite intercommunication eliminates the need for a costly desktop computer. With the eAurora Online Management System, superintendents are even able to access irrigation systems from any computer connected to the Internet.

John Deere E-Gator
A clean, quiet and efficient option for a variety of applications, John Deere introduces 2006 model year updates for its E-Gator. Increased foot and passenger room and an easy-to-reach forward/reverse toggle switch on the operator station provide improved comfort and convenience. Additionally, John Deere has added four-ply high-performance tires for longer wear on hard surfaces. The E-Gator continues to feature low ground pressure to help prevent ground compaction, overspeed and roll-away control for safety and an anti-rollback function. Additional features include dynamic braking and speed control. The vehicle has a regenerative feature that puts an estimated 3 to 5 percent of the full electrical charge back into the battery during a day of work. The unit's UL-approved charger plugs into a 120 VAC, 60 Hz wall receptacle and draws the maximum amount of current allowed.

John Deere Gator TX™ Turf
John Deere Gator TX Turf was designed with the golf course professional in mind, featuring special turf-friendly tires, improved operator comfort and the quietest operation. With all-wheel suspension and all-wheel hydraulic disc brakes, the Gator TX Turf can go anywhere on course or off. And with a frame-isolated engine and exhaust system, a large-volume muffler and quiet foot-pedal operation, golfers won't even hear it coming. More powerful than the previous generation of Gators, the new TX Turf features a 13-hp/401 cc Kawasaki FJ400 engine, increased payload capacity and improved braking capabilities.

John Deere C Series Fairway Mowers
John Deere C Series Lightweight Fairway Mowers have been designed for greater productivity and operator comfort. For operator comfort, the command arm puts the key switch, mow switch, throttle lever and raise/lower lever conveniently at the operator's fingertips while the patented White box™ controller is easily viewed from the operator's seat. The controller also offers quick on-board electrical diagnosis, providing less downtime for the operator.

- The 3225C is equipped with a three-cylinder, 38.5-hp, liquid-cooled diesel engine and can be equipped with a standard 22-in. 7-blade or the 22-in. 5-, 8- or 10-blade Extra Strength Precision (ESP) cutting units.
- The 3235C is equipped with a three-cylinder, 48.5-hp, liquid-cooled turbocharged diesel engine and can be equipped with 7-blade 22-in. Standard or the 5-, 8- or 10-blade 22-in. ESP cutting units.
LESCO is the industry leader in turf, ornamental and pest management solution products to more than 150,000 customers. LESCO is the No. 1 choice of turf, landscape and pest management professionals because we offer quality products, convenience, service, expertise and value. Putting the best products into the hands of our customers, in the most convenient way possible, has been our focus since 1962, and it remains our goal today.

With more than 40 years of expertise, LESCO has grown to have more than 325 Service Centers and over 100 Store-on-Wheels Nationwide. LESCO’s Store-on-Wheels are the ultimate in convenience because we bring our entire range of products directly to you, displayed as they might be in a store. It is the one-stop shopping that makes your job easier, and our vehicles are driven by industry professionals, available for sound advice and technical expertise.

- LESCO offers delivery and on-site visits to your job sites weekly, bi-weekly or monthly.
- LESCO Credit offers several credit programs.
- Call 800-321-5325 or visit www.LESCOdirect.com to find the location nearest you.

**Homogenous Fertilizer**

**LESCO 20-2-16** Homogenous Fertilizer for tees and greens is engineered for extended nutrient release without surge growth, turf speckling or turf burn. Nitrogen is derived from methylene urea and the total controlled release of nitrogen is 67%. High particle uniformity and consistent sizing imparts even spreading with reduced mower pickup.

**LESCO 18-3-18** Homogenous Fertilizer for tees and greens is engineered for quick green up and extended nutrient release without surge growth, turf speckling or turf burn. Nitrogen is derived from methylene urea. The total controlled release of nitrogen is 50%. High particle uniformity and consistent sizing imparts even spreading with reduced mower pickup.

**Authority Creeping Bentgrass**

**LESCO Authority** provides improved turf density and vigorous upright growth habit, wilt resistance and heat tolerance. It was ranked No. 1 in the 2004 NTEP trials for both greens and tees/fairways. Authority is widely adapted for use in the cool humid, cool arid, warm humid and warm arid zones for golf course greens, tees and fairways. It can also be used for winter overseeding of dormant Bermudagrass greens.

**Revere**

**LESCO Revere 10G Turf and Ornamental** and **Revere 4000 Flowable Turf and Ornamental** are preventive fungicides recommended for control of certain soil-borne diseases in turf including snow mold and certain ornamental crops on golf courses, sod farms, home lawns and institutional areas.

**Manicure**

**LESCO Manicure Ultra** and **Manicure 6FL** is a spectrum fungicide and is an excellent disease control agent for control of broad spectrum of plant diseases. It can be used in conjunction with LESCO Revere for control of snow mold.

**Spectator Ultra**

**LESCO Spectator Ultra** is a systemic fungicide that provides easy, cost-effective control of many turf and ornamental diseases. This micro-emulsion formulation can be used in tank mixtures for snow mold prevention.

**MomentumFx2**

**MomentumFx2** is a broad-spectrum herbicide for control of actively growing annual and perennial broadleaf weeds on established ornamental turf lawns, parks, cemeteries, athletic fields, roadsides, golf courses and similar turf areas.
Links Seed LLC was founded in 2002 by career seedsman Robert Cook with the specific goal of bringing quality turf grass seed to the grass seed market. Links Seed serves as a complement to Cook’s trading company Emerald Commodities.

Links Seed brings the quality products from the breeding programs of Dr. Virginia Lehman (Blue Moon Farm) and Crystal Rose-Fricker (Pure Seed Testing). Cook is working to bring seed of the highest quality to the market to close the gap between the quality of seed that exists in breeding programs and the quality of seed that has previously been available to consumers. Look for and demand the quality of Links Seed brand grass seed. Those varieties include LS-44 creeping bentgrass, Terradyne tall fescue and Turnberry tall fescue from Dr. Lehman’s Blue Moon Farm as well as Golden Nugget Kentucky Bluegrass from breeder Crystal Rose-Fricker. Links Seed looks forward to future interactions and business with the readers of Golfdom.

LS-44 Creeping Bentgrass
LS-44 is a new Creeping Bentgrass that performed better than established varieties in trials conducted by North Carolina State University. LS-44’s high density rating provides a true, virtually grainless putting surface under various mowing heights without thatch buildup.

Golden Nugget Kentucky Bluegrass
Golden Nugget is a newly developed variety that is a result of the parental cross of Limousine and the original Nugget variety. Golden Nugget is a dense, ultra-low growing, aggressive Kentucky bluegrass that will truly tolerate low mowing better than most Kentucky bluegrasses. The density of the Limousine parent is apparent in observing the high density growth habit of Golden Nugget. Golden Nugget has a beautiful dark green leaf color that, combined with the low growth habit and high density, makes it the ideal Kentucky bluegrass variety for home lawns, commercial landscapes, sod farms, and golf course tees, fairways and roughs.

Turnberry Tall Fescue
Turnberry is a high quality turf-type tall fescue suitable for use in a variety of locations throughout the United States. Turnberry would be useful for home landscapes in both full sun and shade, and is especially well suited for home lawns and commercial settings maintained at high quality levels by landscape professionals.

Turnberry is ideal for golf course roughs, both sun and shade in the transitions regions of the United States. Turnberry is a fine-textured, medium dark green, high-density tall fescue with excellent brown patch resistance.

Terradyne Turf Type Perennial Ryegrass
Terradyne turf type perennial ryegrass is a dark green, fine-textured variety with excellent overall turf quality. This new variety is early to green up in the spring, developing a spring turf density that ranks near the top of the NTEP trials. Its dark green genetic color lasts all season, with especially dark color in the fall and winter.

Use Terradyne alone, in perennial ryegrass blends, in high quality cool-season turf mixes, or for winter overseeding of Bermudagrass turf.

Golden Nugget Kentucky Bluegrass
Golden Nugget is a newly developed variety that is a result of the parental cross of Limousine and the original Nugget variety.
The Oregon Fine Fescue Commission promotes quality chewing red and creeping red (FINE) fescues. The Oregon Tall Fescue Commission promotes Oregon quality TALL fescue seed. Both are grown in Oregon, the Grass Seed Capital of the World, by professional seedsmen. More grass seed is produced in Oregon for a reason: it’s the highest quality in the world.

Turf maintenance professionals know that starting with the best seed available pays dividends in less maintenance, and a healthier, prettier, tougher turf.

Every box, bag or bucket of seed to buy has an analysis tag on the side stating the origin of the seed inside. When you buy "ORIGIN: OREGON" seed, you’re assured that it’s produced in the Grass Seed Capital of the World.

They’re beautiful to look at, but the real beauty of fine and tall fescue is their low maintenance and environmental friendliness.

Chewing and creeping red fescues are naturally shade and drought tolerant, and require less fertilizer than other cool-season grasses. They are often mixed with perennial ryegrass and Kentucky bluegrass for shade tolerance and fine turf quality. Uses include golf course roughs, home lawns and parks.

Many more golf courses are capitalizing on "the dunes look" of windswept fine fescue seedheads that result from mixing fine fescues. This results in a stand that requires minimal attention and is typically mowed once a year in the fall.

Some links-type courses mow their chewing-type fescues to fairway height, and even to ½-in. for putting greens. When cut to fairway and greens height, colonial bentgrass is typically mixed with the fine fescue.

Deep-rooted tall fescues are drought and shade tolerant. They also stabilize the soil, and when established, they are ideal for golf course roughs and cart path areas. Their heat tolerance helps around bunker faces where sun reflecting off the bunker sand makes other species uncomfortable.

Many newer fine and tall fescues contain endophytes useful in repelling leaf-eating insects without the use of chemicals.

Dr. Bill Meyer at Rutgers University made the following comments about fine and tall fescues, present and future:

- The advantage tall fescue has is that it is wear tolerant, it’s shade tolerant—which is a problem in the (golf course) rough—and once you get a tall fescue established, it’s a very tough, wear tolerant grass. We’re working on the establishment, density and the compactness—which means reduced mowing for the homeowner (and superintendent) if they’re more compact. We’re looking at color retention.
- Tall fescue requires more fertilizer than fine fescue. Fine fescue is exceptional in that it holds its density with less fertilizer.
- The big advantage fine fescue has is the fact that we have new endophytes that are conveying disease resistance, and they’re more heat tolerant and higher quality.
- Because we now have better creepers and better chewing types, and they have a lot of shade situations, it would be wise for lawn care companies to include them in a lawn mixture.
- I did a blend study using one-third each chewing, creeping and hard fescue, which is commonly found in golf course extreme roughs and around bunkers, and they work very well together—it was great.
- Fescues take the short height of cut demanded for tees, fairways and greens on Scottish links-type golf courses, where creepers and hard fescues will survive at a height of ½-in. and higher. Fescues mixed with colonial bentgrass stabilizes sandy soils and resists dollar spot if it occurs in the bentgrass.
Inspired by the timeless design of traditional English garden benches, Oxford Garden uses the finest quality standards in manufacturing its furniture for a lifetime of outdoor use. Each piece is elegant yet affordable and will provide years of comfort, satisfaction and value in wood furniture. Benches, armchairs, dining and patio tables, and planters are all superbly crafted using mortise and tenon construction for durability and strength. We use only shorea, a dense and durable hardwood, known for its weight, hardness and weatherability. Shorea requires no finishing and will not rot when left outdoors where rain and sun will damage other lesser quality woods. Left untreated, shorea will weather to a soft warm shade of gray similar to the weathering of teak. Original color can be maintained by applying a seasonal coat of teak oil. Products ship partially assembled for the ease of shipment, assembly and storage. Orders can usually be shipped within 72 hours. Oxford Garden is known for its heritage quality furniture and exceptional value.

**Savoy Bench**
Savoy is Oxford Garden's newest bench design, architecturally inspired with subtle curves for greater comfort. The back rail is flared and scalloped for additional style and uniqueness. The arm is distinctly sculpted and curved for comfort. Seat depth and a contoured back combine for added relaxation. And as with all Oxford Garden furniture, the joint construction is mortise and tenon, adding strength and longevity. The Savoy's scale is similar to our Essex design collection, formed of larger lumber for strength and presence yet perfectly balanced. Sit in the deep seat and experience the angle of the back for a one-of-a-kind feeling.

**Patented Signature Series Custom Laser-Engraved Collection (US Patent Number 6,644,750 B1)**
Our Signature Bench is based on the graceful design and remarkable craftsmanship of the Chadwick design collection. The back has been tailored to accept a wide panel, allowing for a customized, precise, laser engraving. Your club logo, image, illustration or text message may be accurately reproduced with laser-engraved exactness. The engraved panel is inserted during the manufacturing process, becoming a permanent part of the bench. The Signature Series has been enhanced with a deeper seat and a more ergonomic back. The arms are sculpted using a 35-degree radius for a well-rounded, comfortable feel. Mortise and tenon joint construction adds strength and longevity. Take this opportunity to proclaim your club's identity with remarkable detail thus providing a personal statement that is integrated into the furniture.

**Dartmoor Long Bar Table and Bar Stools**
Dartmoor is the newest addition to Oxford Garden's outdoor collections. Designed as a casual and contemporary alternative to classic outdoor dining, your members and guests can engage each other around this well-proportioned table. The economically designed bar stool delivers relaxation by rotating the pelvis for a comfortable sit. The larger footrest with a radiused front allows for extended sitting as well. All edges have been radiused for a smooth touch and the front to rear solid leg bracing improves stability. The Dartmoor Long Bar Table and Bar Stool set offers an attractive alternative for outdoor dining and conversation.
PBI/Gordon's professional product line includes insecticides, plant growth regulators, plant nutrient supplements and anti-transpirants, as well as the industry's best broadleaf herbicide options for turf!

You can count on PBI/Gordon to develop optimum turf product formulations that meet real world needs and to provide the services and product stewardship that keep our industry strong.

**SpeedZone® Broadleaf Herbicide for Turf**

- Provides the fastest broadleaf weed control ever!
- Exceels in cool-weather weed control
- Extended application window
- Rainfast in as little as three hours
- Reseed in two weeks
- Low-odor formulation

**Q4™ Turf Herbicide for Grassy & Broadleaf Weeds**

- Superior yellow nutsedge suppression
- Fast crabgrass and foxtail control
- Rapid desiccation and death of broadleaf weeds
- Highly selective on cool-season turf grasses
- Rainfast in six hours
- Suitable for applications up to 90°F

**Surge® Broadleaf Herbicide for Turf**

- Controls spurge and other warm-weather weeds such as knotweed, plantain, oxalis, clover and dandelion
- Suppresses yellow nutsedge
- Applications can be made up to 90°F without loss of efficacy or speed
- Up to two times faster than other amine products. Fast visible response reduces call backs

**Azatrol® EC Insecticide**

- Unique low-odor formulation of azadirachtin
- Multiple modes of action, including IGR, anti-feedant and anti-ovipositioning, make it virtually impossible for insect resistance to develop
- Excels at caterpillar control including cutworm and armyworm
- Controls most chewing and sucking insect pests
- Low risk to beneficial insect populations
- OMRI listed organic products

**Launch® Plant Nutrient Supplement**

- Promotes the quick establishment of seeded, sodded or sprigged turf
- Ideal for hydroseeding
- Both soil and foliar uptake
- Promotes density and wear resistance in established turf
- Contains a proven surfactant for maximum soil penetration
Since 1954, Par Aide Products Co. has been providing the golf course industry with a superior line of golf course accessories. For a product to earn the Par Aide name, it must make superintendents’ jobs easier, help them do it better or perform a service that makes them look good to the golfer. When describing our products, our favorite words are long-lasting, maintenance-free, dependable and value. We take great pride in having grown our full line of golf course accessories by listening to our customers and through innovation and acquisition. Here are a few of our latest offerings:

**Green-Saver**
The Green-Saver is an extremely high quality ball mark repair tool that has proven to be the best option for repairing damaged greens without damaging the root system. The tool uses an 8-prong design. A simple press of the handle sends the first set of four prongs into action. These prongs move from the outside of the ball mark to the inside, closing the hole. Next, a second set of prongs enters the turf at an angle and lifts the turf around the ball mark. The base of the tool then acts as a tamp to flatten the newly repaired area.

**Core Hog**
The Core Hog offers the most streamlined way to clean cores from your greens. With one universal bracket, it mounts easily to the front of the most popular brand-name walk-behind mowers, including the Toro 1000, the Jacobsen PGM and the John Deer 220, 220A and 180A. Walk a straight line through the green as the Core Hog plows all cores in its path—into a neat pile right off the green. Then, shovel them up and you’re ready to move on to the next green. You will save considerable time and labor in your aerification cleanup. Provides safe green contact with smooth plastic wear bars.

**Cup Plugs**
Made from a durable, lightweight, weather-resistant foam material, the new Cup Plugs are used when aerating greens, protecting the integrity of the hole. Aeration tines are able to penetrate the plug without pulling it out of the hole. You can also use them when top dressing greens to keep sand from filling the hole. Leave them in over the winter months as well.

For more information on these, or any of our products, please contact your local Par Aide distributor or feel free to give us a call at 888-893-2433.
Pursell Technologies Inc. (PTI) is a premier developer and manufacturer of controlled-release fertilizers and pesticides. Based in Sylacauga, AL, the company has been in the fertilizer business since 1904, and was recently acquired by Agrium Inc., a leading global producer and marketer of agricultural nutrients, industrial products and specialty fertilizers, headquartered in Calgary, Alberta. Pursell Technologies' POLYON® polymer-coated fertilizers, PRECISE® controlled-release pesticides and TRIKOTE® polymer-coated, sulfur-coated fertilizers are marketed worldwide to turf and horticulture professionals and will continue as such under the trade name Agrium U.S. Specialty Products.

Other fertilizers claim to be "slow release," but they're nothing like POLYON. Only POLYON has our unique, patented Reactive Layers Coating process that promises you slow, steady, consistent release of nutrients.

POLYON's one-of-a-kind coating is a durable polymer membrane that chemically bonds to the fertilizer granules. This membrane slowly and consistently releases nutrients into the soil—day in and day out—until the capsule is empty. Thanks to the Reactive Layers Coating process, POLYON release is regulated only by temperature. Unpredictable factors that affect the release of other fertilizers (moisture levels, microbial activity, soil pH) are eliminated because POLYON slowly and consistently fertilizes for months at a time, with virtually no waste. There is never a gush of nutrients triggered by moisture, so there's never a surge growth after initial application. Only slow, steady, predictable, dependable response.

POLYON and its Reactive Layers Coating membrane is available in a choice of thicknesses: thinner membranes for cool geographies, and thicker for places with warmer, longer golf seasons. Additionally, POLYON is available in a range of nutrient analyses and particle sizes to suit different soil types, climates and performance expectations.

Choose POLYON Regular sized controlled-release fertilizers where fairways, roughs and landscaped areas are mowed at heights of ½-in. or higher. These products are sized at 240-260 SGN and provide up to five months of continuous feeding. Also available are heavier-coated (thicker membranes) products that provide six to nine months of nutrient release.

POLYON Mini sized controlled-release fertilizers are recommended for use by superintendents and other professionals where tees, fairways, roughs and landscaped areas are mowed at heights of ¼-in. or higher. This size is recommended for use on bentgrass fairways. These products are sized at 150-180 SGN and provide up to three to four months of continuous feeding.

POLYON Micro sized controlled-release fertilizers are recommended for use where greens, tees, fairways and other landscaped areas are mowed at heights of less than ¼-in. These products are micro sized at 100-110 SGN and provide one to two months of continuous feeding, depending on the product requested.

POLYON nitrogen products:
POLYON® N Regular, POLYON® N Mini, POLYON® N Micro

POLYON potassium products:
POLYON® K Regular, POLYON® K Mini, POLYON® K Micro
For more than 70 years, Rain Bird Corporation has been a world leader in the irrigation industry. As the first to develop computerized central control and the first to install a centrally controlled irrigation system on a golf course, Rain Bird's Golf Division continues to lead by promoting the efficient use of water in the most precise manner possible by manufacturing cutting-edge, water conserving products that can be found on golf courses in more than 130 countries on six continents.

Rain Bird's Golf Division highlights its commitment to resource management and conservation through advanced product design as well as on-going sponsorship of the GCSAA Environmental Leaders in Golf Awards, which salutes superintendents' achievements to preserve, conserve and protect natural resources. Rain Bird is also an active contributor to the Golf and the Environment Initiative Program through the Center for Resource Management.

**EAGLE™ 351B Rotor Series**

Used to achieve greater short-throw coverage for tee-boxes and other small turf areas on golf courses, Rain Bird® Golf's EAGLE™ 351B Rotor Series is designed to provide superior water distribution and promote irrigation efficiency.

The EAGLE 351B is powered with rugged gear-drives and a unique nozzle design that ensures controlled and uniform precipitation from 18 to 55 feet. Because it provides full-circle and part-circle operation in one unit, the EAGLE 351B also reduces inventory requirements. In addition, the EAGLE 351B has adjustable left and right side trips for ease of installation without turning the case and comes with Memory Arc®, which returns the rotor to its original arc setting. To view more features and benefits, please visit www.rainbird.com/eagle351b.

**Wind Tolerant Rotors**

Now superintendents can place water where it is intended, even in the face of sustained wind. Rain Bird Golf introduces the new EAGLE™ 705/755 Wind Tolerant Rotors, the first golf course rotors specifically designed to deliver efficient, effective, head-to-head water distribution in persistently windy areas of the golf course.

The new Wind Tolerant Rotors were created to reduce the loss of range in windy conditions without significantly decreasing the distance of throw.

The Wind Tolerant Rotors accomplishes this through key features that include an inverse, wedge-shaped spray pattern, which delivers a greater water mass up front and creates more inertia to contend with the wind, and producing larger water droplets that are less likely to cause misting, fogging or drift. Visit www.rainbird.com/windsolution to view more on Wind Tolerant Rotors.

**Central Control V. 5.0 Featuring Smart Pump™**

Central Control Version 5.0 is designed to help superintendents maximize water management and conservation practices and can be installed on all Rain Bird Central Controls including Cirrus™, Nimbus™ II, Stratus™ II and Stratus™ LT.

Offering time-based station adjustments for temporary changes to station run times and active satellite links on the map, Version 5.0 software optimizes the performance of central control systems more than any other tool on the market.

Version 5.0 also includes Smart Pump™. With Reservoir to Rotor™ control over the entire irrigation system, Smart Pump acts as an on-site "irrigation supervisor" that constantly manages the system. Smart Pump reacts to all field conditions by making intelligent decisions on any action that needs to occur. If a pipe breaks or a pump station fails, Smart Pump will make immediate water demand adjustments. For more information, please visit www.rainbird.com/smartpump.

**Booster Pump**

Designed to specification, Rain Bird Golf's line of booster pump stations provides a variety of applications from water features to golf course irrigation.

The booster pumps are ideal for irrigation applications needing 100 to 5,000 gallons-per-minute capacities and are available for suction-lift, flooded-suction and pressure boosting applications.

Available in multiple configurations featuring constant speed or Variable Frequency Drive, the booster pump features a large, full-color, intuitive touch-screen interface that shows actual water flows and operating conditions and allows for easy pressure setting adjustments. Users can also change the booster pump's settings or troubleshoot the system via a remote computer through Rain Bird Pump Manager™ software.
SePRO Corporation is recognized as an industry leader in providing the highest level of technical service to customers who operate in specialty markets of the United States. SePRO’s key business segments include the greenhouse/nursery markets, professional turf/landscape management and the aquatics industry.

**Cutless* 50W Turf Growth Regulator**

Cutless is a unique turf growth regulator that enhances the quality of fine turfgrass. Cutless improves turfgrass playability, reduces mowing time, reduces clippings, improves water utilization, makes turf more wear resistant and improves turfgrass color and appearance. On cool-season turfgrass, Cutless can shift the competitive balance from *Poa annua*-infested turf to desirable perennial grasses.

**Expected plant responses to Cutless Granular:**
- Reduced trimming / pruning frequency
- Increased plant density or compact growth habit
- Shoot growth suppression
- Decreased internode length
- Darker green foliage
- No negative flowering response
- Plant stress conditioning effects associated with PGRs

**FlightControl® PLUS Goose Repellent**

The active ingredient in FlightControl PLUS is a manmade form of a naturally occurring compound found in many plants. When applied to turf, FlightControl PLUS conditions geese to avoid feeding in treated areas. FlightControl PLUS is odorless, waterproof (rainfast) and will usually last through several mowings.

FlightControl PLUS-treated turf looks different to geese in the ultraviolet spectrum. Geese who feed on treated turf experience a temporary case of indigestion and, after a few days, become conditioned to avoid feeding in areas where they recognize the ultraviolet absorption of FlightControl PLUS.

**Junction* Fungicide/Bactericide**

Junction is a unique combination of two chemistries combined to create a broad-spectrum fungicide/bactericide. Junction, a high-quality dry flowable formulation providing a convenient solution to disease control in a wide array of turf diseases.

**Komeen* Aquatic Herbicide**

Aquatic weeds such as Hydrilla, Egeria and Southern Naiad can render waterbodies on golf courses, parks and private property unsightly and unusable. Komeen provides consistent and reliable control of these nuisance weeds and more in a wide variety of application situations.

Komeen carries no restrictions on how it may be applied or how soon the water may be used after treatment. Water treated with Komeen can be used immediately after treatment for drinking, watering livestock, fishing, swimming and recreation.

**Cutless* 0.336 Landscape Growth Regulator**

Cutless Granular is a systemic plant growth regulator for shoot growth suppression in landscape ornamentals, resulting in more compact growth form and reduced trimming, in an easy-to-apply granular formulation.
Founded in the United Kingdom in 1932, nearly 75 years of designing and manufacturing turf equipment has given SISIS a wealth of knowledge and experience. SISIS products are renowned for their dependability, rugged engineering and exceptional all-round performance. SISIS machinery is used worldwide to maintain the finest turf playing surfaces.

**SISIS VEEMO MK2**
Heavy-duty dethatcher offering maximum thatch removal with minimum surface disturbance and a fast work rate. The double-ended blades are tipped for extra durability and the spacing of the blades can be varied by using flexible spacers. The SISIS VEEMO has three independently floating heads to closely follow ground contours without scalping, and depth of cut is infinitely variable with a locking micro-adjuster on each unit.

**SISIS FLEXIBRUSH**
At 18-ft. wide, the SISIS FLEXIBRUSH is a fast and effective solution to the problems of brushing in top dressing, dew dispersal, worm cast removal and striping for improved presentation. The brush sections float to follow ground contours. The outer sections fold hydraulically for transport and stands are supplied for storage.

**SISIS AUTO-ROTORAKE MK4**
The SISIS AUTO-ROTORAKE is a self-propelled, heavy-duty dethatcher for greens and tees that comes fitted with a thatch removal reel, with other optional reels interchangeable in seconds. The Verti-cutting Reel is ideal for frequent use on ultra-dwarf grasses during the growing season, to remove thatch before it can accumulate and with minimal surface disruption. Depth of cut adjustment control is mounted on the handle so the depth can be set without leaving the operating position. Careful weight distribution, pneumatic tires and a full differential provide ease of turning and maneuverability and minimize wheel marking. A large-capacity grass box is available.

**SISIS OSCA**
Comprising a pair of oscillating brush units, the SISIS OSCA works in top-dressing materials quickly, evenly and thoroughly, with a golf green being completed in 10 to 15 minutes. Because fewer passes are required than when using a conventional drag brush, less compaction is caused. The SISIS OSCA has a working width of 76-in.
Standard Golf Company
662C Nordic Drive
P.O. Box 68
Cedar Falls, IA 50613
Phone: 319-266-2638 • Fax: 319-266-9627
Web site: www.standardgolf.com

**Smart-Fit™ Cup and Ferrule System**
Standard Golf Company's Smart-Fit™ Cup and Ferrule System prevents excessive wear on cups and ferrules by matching its ST2000™ non-stick cup with its wide-shouldered, notched ferrule to make it impossible for flags to lean, rotate or walk out of the cup. Because the cup's ribs mesh with the notches in the ferrule, flagsticks can also be removed and replaced easily without twisting.

**Magnum Harvester™ Ball Picker**
Providing operators with unprecedented maneuverability, Standard Golf Company's new Magnum Harvester™ Ball Picker easily goes forward and backward without tangling or damaging the gangs, saving golf professionals time and money when picking their ranges.

Available in three-gang or five-gang units, the Magnum Harvester Ball Picker has swiveling gangs that easily reach under trees and sweep close to yardage markers. With its flat-tire enabled feature, the Magnum Harvester Ball Picker's front tire can go flat but the gangs keep on rolling, allowing users to continue working. Other features of include its Dual Integrated Gang Technology, which picks up balls in both short and longer grasses, and its powder-coated finish for rust-free endurance.

**TurfStone™ Tee Signs and Consoles**
Standard Golf's TurfStone™ Tee Signs combine the look of granite with colorful, easy-to-read images that add a distinctive appearance to your course. TurfStone signs are molded from composite materials to resist cracking, fading, staining and chemicals. With substantial thickness and solid steel backing, they're more durable than wood or other synthetics.

TurfStone Tee Signs are precisely laser-engraved to depict even the most elaborate hole layouts. Using only the finest inks with ultraviolet inhibitors means the colors will last for years. Signs are 16-in. by 24-in., on gray, terra cotta or green granite, and can be engraved with up to 10 colors.

Standard Golf also offers the TurfStone Tee Console which pairs its quality TurfStone Tee Sign with a sturdy, 36-in. post and ground anchor, ball washer and trash receptacle.

**Magnum Tool Line**
Standard Golf Company's tough, extra-rugged Magnum Tool Line provides the kind of durability to withstand the toughest abuse. Made from high-grade aluminum/magnesium alloy, the Magnum Tool Line is lightweight and won't fatigue its users.
At Syngenta, we are about more than just "product in a jug." We invest heavily in research and development—a commitment that allows us to constantly enhance our offerings to meet the emerging needs of the modern golf course superintendent. We not only introduce new products, such as Monument® herbicide, but we also continually improve our existing products, such as Daconil® fungicide featuring SuperWeatherStik® and the liquid formulation of Heritage® fungicide, Heritage TL.

We also offer innovative programs such as GreenCast® (www.greencastonline.com), a web-based technology platform that delivers customized weather and pest information directly to customers' desktops, and GreenPartners® (www.greenpartners.com), which allows purchasers of our products to accrue points that can be redeemed for business tools to help them improve operations at their courses.

For more information about the products featured below, as well as other Syngenta products and services for golf course management, please call 1-866-SYNGENTA (796-4368) or visit www.syngentaprofessionalproducts.com.

**Headway fungicide** provides golf-course superintendents with a potent and efficient means to control turf diseases on their courses' most visible acreage—fairways.

Headway uses the power of two active ingredients to deliver broad-spectrum disease control against dollar spot, brown patch and many other major turf diseases. Using dual modes of action helps ward off disease resistance and allows Headway to control a wider range of diseases than any other currently registered product.

Headway is expressly formulated to balance each active ingredient for control and optimal efficacy. In addition, Headway provides all the benefits of MAXX® technology. It has little or no odor, offers excellent tank-mix compatibility and stability with other products. It also won't settle out of solution or clog filters, and mixes into a clear solution with other products.

**Monument herbicide** provides versatile post-emergence weed control in certain warm-season turfgrass species, including Bermudagrass and Zoysiagrass.

A sulfonylurea herbicide, Monument demonstrates excellent control of key weeds including purple and yellow nutsedge, annual sedges, oxalis, green kyllinga and various other weeds in warm-season turfgrasses. In overseeded Bermudagrass, Monument can be used to remove *Poa trivialis* and/or perennial ryegrass for enhanced spring transition.

**Instrata fungicide** provides golf-course superintendents with snow-mold control that is second to none.

Instrata combines the active ingredients chlorothalonil, fluazinam and propiconazole in a proprietary formulation created by Syngenta. The combination of active ingredients, and their multiple modes of action, enables Instrata to control all of the numerous pathogens that cause snow mold throughout the period of winter snow cover.

In addition, Instrata controls a broad spectrum of additional turf diseases, including anthracnose, dollar spot, brown patch and summer patch year-round.
Target Specialty Products is the West's leading wholesale distributor of specialty agricultural chemicals, fertilizers, application equipment, services and education. Since 1969, Target has provided products and services to both the public and private sectors in the following markets: golf, landscape, nursery, professional pest management and vegetation management. Committed to quality through service, Target is ISO 9002 certified and provides specialized training and education programs, risk management, worker safety classes and regulatory compliance.

In achieving ISO 9002 certification, all processes and procedures throughout the company from customer service to shipping and receiving are documented. ISO 9002 certification ensures consistent, reliable service.

Target Specialty Products carries a complete product line of disease and pest management products and equipment including:
- Adjuvants, Wetting Agents
- Fertilizers, Herbicides, Insecticides, Fungicides, Soil Surfactants
- Soil Conditioners & Amendments
- Lake and Pond Herbicides, Algaecides and Colorants
- Spreader and Nutrient Management Products
- Spray Application Equipment, Parts and Accessories
- Personal Safety and Protective Equipment

Target ProBlend Seed
Target Specialty Products recently introduced a new line of ProBlend grass seed mixtures. Especially designed for the golf market, the 3-way GLS Perennial Ryegrass Blend contains three varieties of gray leaf spot resistant perennial ryegrass, offering the best gray leaf spot resistance in the industry. Target plans to expand the ProBlend grass seed line. For more information, contact the Target branch near you.

Branch Offices

California
Home Office
15415 Marquardt Ave.
Santa Fe Springs, CA 90670
800-352-3870

2478 N. Sunnyside Ave.
Fresno, CA 93727
800-827-4389

1155 Mabury Road
San Jose, CA 95133
800-767-0719

Arizona
1059 W. Geneva Drive
Tempe, AZ 85282
800-352-5548

524 Galveston St.
West Sacramento, CA 95691
800-533-0816

Pacific Northwest
13010 NE David Circle
Portland, OR 97230
877-827-4381
Toro Reelmaster® 5010 Series Reel Mowers
Hundreds of improvements, one great result! It's the next generation of fairway mowers from Toro. A completely new design reduces weight, enhances mowing performance, improves operator comfort and simplifies maintenance. Four new models were designed, tested and built to rigorous customer requirements, producing overall product improvements for the ultimate fairway mowing experience. Toro innovation ensures improved quality of cut and impressive aftercut appearance. Precision-machined cutting units maintain levelness and hold adjustments. DPA allows quick—knife to reel adjustment. Harder reel and bedknife steel retain a sharp edge up to 3 times longer to minimize the need and frequency of adjustments, backlapping and grinding, leading to healthier turf that stays green. Shortened rear rollers on 5-in. diameter prevent roller overlap marks.

Toro Greensmaster® Flex 18 Greens Mowers
The new Toro® Greensmaster® Flex 18, a walk power greens mower with the unique flex cutting design from the Greensmaster Flex™ 21, is designed to improve ground following with the narrower 18-in. cutting width. The Flex 18 closely follows the turf without scalping, even on severe undulations in concave areas. Its revolutionary flexible cutting unit excels on traditional bent and bermuda, as well as on the new ultra dwarf grasses, including the Penn A & G Series, TifEagle, Paspalum, Champion and others. The tapered drum relieves overlap marking, especially important in sensitive turf areas and on sloped greens. The Flex 18’s unique patent-pending bedbar geometry keeps the bedknife aligned for the life of the mower. So when the reel wears, the bedbar adjusts, keeping the same aggressiveness to maintain a consistent quality of cut.

Toro Sand Pro® 3040/5040 Bunker Rake/Groomer
The new Sand Pro 3040 and 5040 feature innovations that elevate the overall versatility and reliability of these bunker maintenance machines. The new Quick Attach System (QAS), allows operators, in less than a minute, to switch from among 17 attachments — without the use of tools. Equipped with a fuel-efficient, 16-hp Vanguard engine, the Sand Pro 3040 features improved gear-drive assisted steering, a QAS for rear attachments, increased ground clearance, and a new gear system that is completely sealed from the environment. The premium Sand Pro 5040 offers an 18-hp engine, hydraulic power steering and a QAS for front and rear attachments — ensuring quality performance when faced with the most intimidating bunker maintenance challenges.

ProCore® 648 Aerator
The ProCore® 648 is a highly productive, innovative walking aerator. The rear wheels are located in front of the aeration head so they do not drive over the freshly aerated turf and run over the cores. This eliminates the problem of smashing the cores into the holes, preventing topdressing from filling the holes.
Tru-Turf's history dates back to the 1940s, when Ron Kaye made the first lightweight turf rollers. In 1989, Kaye teamed up with Ray Dufty to form Tru-Turf Equipment, with the aim of becoming the foremost manufacturer of golf greens rollers in the world.

Tru-Turf Equipment's products are now being used in Australia, the United States, Canada, South East Asia, China, Japan, New Zealand, Spain, England, India and Europe.

Paramount to the success of Tru-Turf's achievements is its policy to meet the needs of the turf industry, to manufacture equipment to the highest standard and performance while being simple to operate and maintain.

We back this up with a high level of after sales service, spare parts availability and free technical advice.

RS48-11C
The flagship RS48-11C Roll 'n' Spike Golf Greens Roller by Tru-Turf is the culmination of 60 years of design and development in the art of turf rolling. Our triple offset smoothing configuration allows this engineered product to smooth the turf by skillful design, not by weight.

The RS48-11C is designed to roll your greens in any direction without line creasing. With a rolling swath of 48-in. (the only one in this class), a split smoothing head, finger-light steering, and the patented triple offset smoothing rollers, it is the only roller that produces the quality of surface finished desired, without compacting the green.

The Rock 'n' Spike is lightweight but is built to ensure strong performance and long life.

Features include:
- 6.5hp Honda engine
- Stainless hydraulic oil reservoir for cooler running, longer life
- Eaton 11 pump that is rated up to 20hp so roller uses 30% of its capacity
- Split, dual, contour-hugging smoothing heads so no line creases are left on the greens
- Patented tri-roller smoothing heads
- Low center of gravity ensures operator safety
- Dual drive chain — Strong for longer life
- Powder coated for durable, long lasting performance
- Cushion-mounted engine reduces vibration
- Built in trailer saves time and frustration
- Light to steer
- Non-adjustable tilt seat maintains even weight distribution across the roller and has armrests for comfort.
- Spiker spikes to a depth of 1 1/2-in.
- Optional lighting kit can be fitted for early starts
Turf Merchants, Inc.
33390 Tangent Loop
Tangent, OR 97389
Phone: 541-926-8649 / 800-421-1735
Fax: 541-926-4435
Web site: www.turfmerchants.com

Turf Merchants, Inc. has provided the industry with quality turfgrass seed since 1983. For 23 years, golf course superintendents, LCOs and sod producers have counted on us for proprietary perennial ryegrasses, bluegrasses, tall fescues, fine fescues, creeping bentgrasses, specialty grasses and wildflowers.

When budgeting for and ordering your turfgrass seed this season, it's prudent to choose high NTEP-rated, time-proven varieties from a respected breeding program that are marketed and distributed through a reliable delivery system.

Important, too, is the built-in savings of buying naturally disease-resistant varieties like Paragon GLR™ and Protege GLR™ (Gray Leaf Spot Resistant) perennial ryegrasses; Benchmark DSR (Dollar Spot Resistant) creeping bentgrass; and Fortitude DSR strong creeping red fescue. TMI's naturally dark-colored and more compact varieties will save on mowing and fertilizer.

Turf Merchants is that marketer with the following important innovative varieties and more. Visit www.turfmerchants.com to discover the products and personnel that will help fulfill your professional needs.

**Paragon GLR™ Perennial Ryegrass**
(Gray Leaf Spot resistant) is a large step forward in disease fighting perennial ryegrass with natural Gray Leaf Spot and Crown Rust resistance included with each and every seed.

In the 2005 NTEP Trials, Paragon GLR™ was ranked top of the High Maintenance Fairway Cut (Schedule A) and Medium Maintenance Athletic Field and Home Lawn height of cut (Schedule B) trials.

Paragon GLR™ was ranked No. 1 for Spring Greenup.

**Protege GLR™ Perennial Ryegrass**
was ranked top of the High Maintenance Fairway Cut (Schedule A) and Medium Maintenance Athletic Field and Home Lawn height of cut (Schedule B) in the 2005 NTEP Trials.

Protege GLR™ also earned high performance marks for natural Gray Leaf Spot, Red Thread and Crown Rust Resistance.

**2nd Millennium Tall Fescue** is an outstanding tall fescue variety with a High 2004 NTEP rating for leaf texture, and Outstanding ratings for Density and Living Ground Cover.

2nd Millennium earned Exceptional quality ratings in both Schedule A (High Maintenance) and Schedule B (Medium Maintenance Athletic Field and Home Lawn height of cut) maintenance and Excellent Quality Rating for the Northeast, Transition, Southeast, North Central, Pacific and Mountain regions.

2nd Millennium also earned No. 1 rankings for Traffic Stress, Spring Greenup, and Fall Color Trials, plus Excellent resistance to Typhula Blight, Brown Patch, Pythium Blight, Gray Snow Mold and Leaf Spot.

**Benchmark DSR™ Creeping Bentgrass**
(Dollar Spot Resistant) received superior ratings for natural Dollar Spot Resistance in the 2004 NTEP Green Trial. Benchmark DSR™ also earned Superior ratings for Red Thread and Leaf Spot resistance and earned the No. 1 mean score for turfgrass quality grown under reduced fungicide.

Benchmark DSR™ received Exceptional ratings for Genetic Color and Fall Color plus outstanding performance in the Spring Greenup trial.

In the 2004 NTEP Trials, **Bedazzled Kentucky Bluegrass** rated an Exceptional performance in Schedule A (high), Schedule B (medium) and Schedule C (low) maintenance trials.

Bedazzled ranked No. 1 for Turf Quality in the North Central region and had Excellent performance for Turf Quality in the Northeast and Mountain regions.

Bedazzled earned Top ratings for Dollar Spot, Red Thread, Summer Patch, Stripe Smut, and Leaf Rust resistance; with Very Good resistance to Stem Rust and Leaf Spot.

In the 2004 NTEP Trials, **Fortitude DSR™ Strong Creeping Red Fescue** (Dollar Spot Resistant) earned No. 1 ratings for Dollar Spot Resistance as well as Turfgrass Ratings at Logan, UT.

Fortitude DSR™ earned Exceptional performance in the Shade Trial, Genetic Color, Spring Greenup, Summer and Fall Density trials; as well as Very Good results for Leaf Spot, Red Thread and Summer Patch resistance.
Turfco Manufacturing is the top-dressing leader for golf applications. In fact, Turfco developed the world's first top dresser in 1961, and continues to lead the industry in the development of innovative new top-dressing technologies.

For 2006, Turfco has applied its innovative spirit to overseeders. The new TriWave™ 60 offers five new patent-pending technologies that can increase overseeding success with minimal impact on existing turf.

Turfco products are renowned as much for their solid quality and durability as for their performance in the field. This is backed by the company's exclusive three-year warranty on all top-dresser models. Turfco also manufactures a wide range of equipment for commercial turf maintenance and upkeep, including aerators, overseeders, dethatchers, sod cutters and more.

**TriWave™ 60 overseeder**

With the introduction of the revolutionary TriWave™ 60, Turfco has developed a new breed of overseeder that can significantly increase overseeding success, especially on contoured terrain. Optimized 1½-in. blade spacing creates closer slits for greater seed density. When combined with the 18-in.-wide patent-pending floating heads, which move independently to precisely follow ground contour, the TriWave 60 is capable of seeding low spots without destroying high areas or unmarked items such as sprinkler heads.

Turfco developed its patent-pending WaveBlade™ technology for the TriWave 60, which uses powered, counter-rotating wave-design blades to create optimum clean slits for improved seed-to-soil contact with minimal turf disruption. A patent-pending seed delivery system places seeds into slits without waste, increasing germination.

**WideSpin™ 1530 Broadcast Top Dresser**

Turfco's WideSpin™ 1530 broadcast top dresser is ideal for light, frequent top-dressing programs. The machine can top dress as light as a fertilizer spreader up to 30-ft. wide — crews can top dress 18 holes in as fast as 90 minutes and the light, uniform application requires no dragging.

The WideSpin 1530 can switch from light to heavy top-dressing applications without attachments. It is the first machine capable of uniformly applying ½-in. or more of top dressing up to 15-ft. wide — nearly three times wider than standard spreaders. For 2006, Turfco developed new, more durable spinner vanes for the WideSpin 1530, which are available for retro-fit on pre-2006 models.

Turfco offers an accessory cross-conveyor attachment that allows the WideSpin 1530 to be used for material handling duties. The cross-conveyor attachment offers 180 degrees of rotation behind the machine — ideal for topping off bunkers, adding mulch to flowerbeds, packing in sprinkler heads and more. When combined with Turfco's patented three-position remote switch, the cross-conveyor gives grounds crews unmatched flexibility in material placement. The WideSpin 1530 is available in tow-behind and truck-mount models.

**CR-10 Material Handler / Fairway Top Dresser**

Turfco has introduced its WideSpin™ technology to the proven CR-10 material handler and broadcast top dresser. The CR-10 combines the innovative features of the CR-10 with revolutionary WideSpin top-dressing technology, giving superintendents a versatile fairway top dressing and renovation tool.

The CR-10 can apply light or heavy top dressing applications at broadcast widths of 20- to 40-ft. The CR-10's WideSpin technology and angle-adjustable spinners give superintendents the unmatched ability to apply a range of top dressing depths, from light to ½-in. or more.

As a material handler, the CR-10 features a three position hand-held control that provides operators flexibility and freedom to monitor material flow and placement from the best location. The flow control feature and 180-degree swing of the cross conveyer allow the CR-10 to effectively place material without moving the machine. The large hopper capacity makes it useful for filling bunkers, sand traps or washouts.
Wood Bay Turf Technologies strives to provide superior turf maintenance equipment engineered with the turf professional in mind. Wood Bay Turf Technologies has been in business for 20 years, and our products are distributed around the world.

**dynaBLADE**
Here's why golf courses the world over use Wood Bay's dynaBLADE verti-cut replacement blades.
- Last longer because tungsten carbide tips are more resistant to wear
- Save on labor and reduce cutting time because no height adjustments are normally required in a day's cutting after the initial setting
- Provide better thatch removal because the fins on the side of the blade create a vacuum effect that lifts thatch and throws more of it into the catcher

**FDS 9200**
We introduced the FDS 9200 for express thatch removal. Easily connected to a three-point hitch, it is ideal for use on golf course fairways, sod farms, parks and other tractor-accessible areas. At a width of 92-in., it is best suited for fairway thatch removal, spreading of topdressing, sports field/golf course construction and over-seeding. Its vibratory tines help air, water and fertilizer penetrate faster to the root zone while relieving surface compaction. A great feature of the FDS 9200 is the four free-floating sections of tines that conform to undulations on the surface.