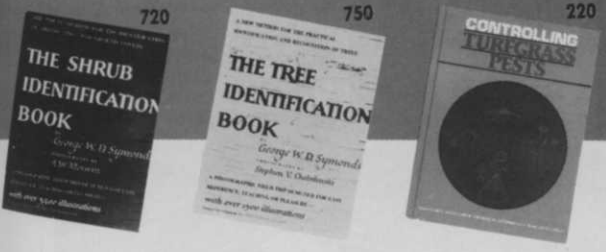


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JOB TALK

Office park presents a scheduling and logistics challenge

Atlanta's Northpark Town Center requires plenty of turf and ornamental detail work, and not just on the ground floor.

■ Nestled in Atlanta's prestigious Northpark Town Center is an office park that redefines the natural beauty of a well-planned urban development. It's surrounded by heavily used freeways and arterial roads, but the serenity of Northpark is impressive because of the property's landscape development.

The property has been maintained by Scapes, Inc. since the first phase was completed in 1987.

The Northpark Town Center master plan is a self-contained, pedestrian-oriented "town center" office park which, when completed on its 42 acres, will include 3.8 million sq. ft. of office space, 50,000 sq. ft. of retail space and a luxury 375-room hotel and conference center.

Northpark has 15 acres of maintainable turf. Four of those acres consist of two, two-acre rooftop gardens. All basic maintenance—including mowing, edging, trimming and blowing is completed in one day. The mowing crew is assisted in its duties by a three-man detail crew that is on site two days each week.

The Northpark regimen

✓ A Scapes employee is on the site each day. A four-person mowing crew visits the site once a week. Mowers: two, 72-inch Excel Hustlers, one 54-inch Walker, a 48-inch Ransomes walk-behind for special pattern cutting, and a 21-inch Lawn Boy push mower for trim cutting.

✓ To mow the turf on the top levels of the Gardens, the Walker mower is driven onto the freight elevator and lifted to the roof.

✓ Tanka edgers, Stihl backpack blowers and Echo weedeaters handle the clean-up.

Detail crews handle:

✓ Shrub pruning. "Tip pruning" produces a consistent, natural look.

✓ Fast-growing materials are treated with a mixture of Embark and Ferromec. It is essential in keeping the amount of



Atlanta's Northpark Town Center.

top growth in proportion with the limited space for root development.

✓ Spring and fall applications of granular fertilizer and pre-emergents; selected plants are fed with the Peters 20-20-20 throughout the growing season. Because of limited rootzone available to much material, foliar feeding is chosen as a superior method of treatment.

✓ Solo backpack sprayers are used for limited-access spraying. Ground-level spraying is accomplished with 30-, 50- and 300-gallon Agro-Tec drop tanks.

✓ Insect/disease control: A walk-through of the property is conducted each week by the operations manager and the owner's property manager. A detailed list of priorities for the week are established for the crew members, as well as specific sightings of insect or disease problems. Control products used include: Orthene, Subdue, Mavrik, Sevin, Banrot and Daconil.

✓ Crews treat weeds as they appear. Turf program includes two application of Surflan pre-emergent each season; subsequent appearances are treated with Trimec, Trimec Plus, Acclaim or Basagran as needed.

✓ Large maples on the roof-top gardens receive an interior pruning each winter.

✓ Pedestrian areas are blown clean daily and street curbs are cleaned twice each week.

✓ Irrigation management: Two irrigation technicians continuously monitor the system. The system supplies water to the fifteen acres of turf, 11 levels of the roof-gardens and 58 balcony planters spread over 18 stories of office tower.

Irrigation components: Three Rain Bird ISC-32 controllers; three Rain Bird RC-23XL controllers; two Rain Bird RC-7 controllers; 399 zones; seven backflow preventers; two 120 gpm pump stations (to force water to the upper reaches) and four rain sensors.

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GREEN INDUSTRY SHOWCASE

Tests show value of sand amendment

"Sand-Aid" is a new organic amendment for sand-based root zone mixes, from Emerald Isle, Ltd. of Ann Arbor, Mich.

Recent test results by an independent testing concern show dramatic increases in organic matter content.

Turf Diagnostics & Design, Inc. of Olathe, Kan., was hired to conduct tests on the product. Tests showed Sand-Aid also improved cation exchange capacity, moisture/nutrient holding capacity without disturbing desirable physical properties such as soil porosity and infiltration rates.

Sand-Aid is composed entirely of granulated sea plants. In USGA spec greens mixes, it is used as a companion to peat moss. In "straight sand" greens mixes, it is used to amend the root zone.

Other results of recently conducted tests include:

- Adding Sand-Aid increased the organic matter content of the sand/peat mixes and pure sand in all cases;

- Using the product at recommended rates increased organic matter content of the 80:20 sand/Canadian sphagnum peat mix by 60 percent;

- Sand-Aid at the recommended rate increased the organic matter content of the 90:10 sand/Dakota peat mix by 53.8 percent;

Pure sand treatments with Sand-Aid increased organic matter

- Tests showed no negative impact on the physics of the greens. According to Turf Diagnostics, Sand-Aid's ability to significantly increase organic matter content without "layering" is a "positive attribute."

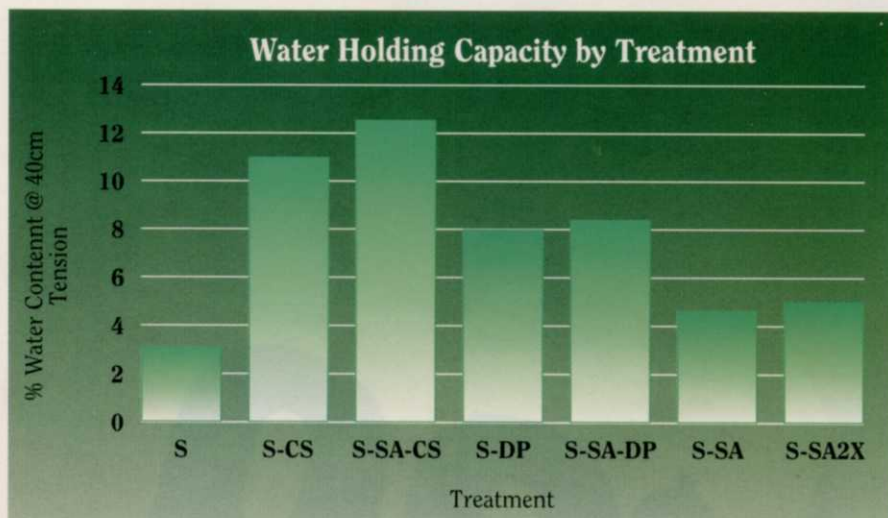
- As a companion amendment for peat, the increase in organic matter produced by Sand-Aid without any adverse effects on the physical properties of the mixes is

highly beneficial, says Turf Diagnostics.

Sand-Aid appears to have no negative impact on infiltration rates and water holding capacity. However, adding the amount of peat it would take to equal the increase in organic matter produced by

70 to 80 lbs. of Sand-Aid/1000 ft.² is to be incorporated in the upper six inches.

The sphagnum and Dakota Peat mixes were mixed and a 0.18 percent (weight basis) rate of Sand-Aid was added to the mix to simulate the 45 lb. rate. The pure sand treatments were made by using a 0.33 percent (weight basis) rate and by doubling the rate to 0.66 percent (by weight). After all the treatments were made the physical evaluation process was initiated.



Sand-Aid would have a significant negative impact on the mix's physical properties.

Turf Diagnostics and Design specializes in agronomic system assessments of construction materials and processes required for high performance turf systems.

The treatments or mixes used to determine the USGA physical evaluation are as follows:

S=Sand

S-SA= Sand + Sand-Aid

S-SA-CS=Sand+Sand-Aid+Canadian Sphagnum Peat

S-CS=Sand +Canadian Sphagnum Peat

S-SA-DP=Sand+Sand-Aid+Dakota Peat

S-DP=Sand +Dakota Peat

Emerald Isle recommends a rate of 40 to 50 lbs. of Sand-Aid/1000 ft.² be incorporated in the upper six inches of a sand-peat rootzone. For pure sand greens, a rate of

Sub-samples of the mixes were dried and processed to determine the organic matter content. The rates simulate an incorporation of material to a six-inch depth of rootzone mix.

The treatments with the additions of Sand-Aid increased the organic matter content of the mixes and pure sand in all cases. The addition of Sand-Aid increased the organic matter of the peat treatments by 0.6 percent to 0.7 percent. The pure sand treatments with Sand-Aid increased the organic matter content to 0.3 percent (recommended rate) and to 0.6 percent (2x the recommended rate). The water holding and infiltration rates were only slightly affected by the organic matter increases due to the Sand-Aid.

Results of the water holding tests are shown in the accompanying graph.

Circle No. 191 on Reader Inquiry Card

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PRODUCT REVIEW

Manage time, money with computer's help

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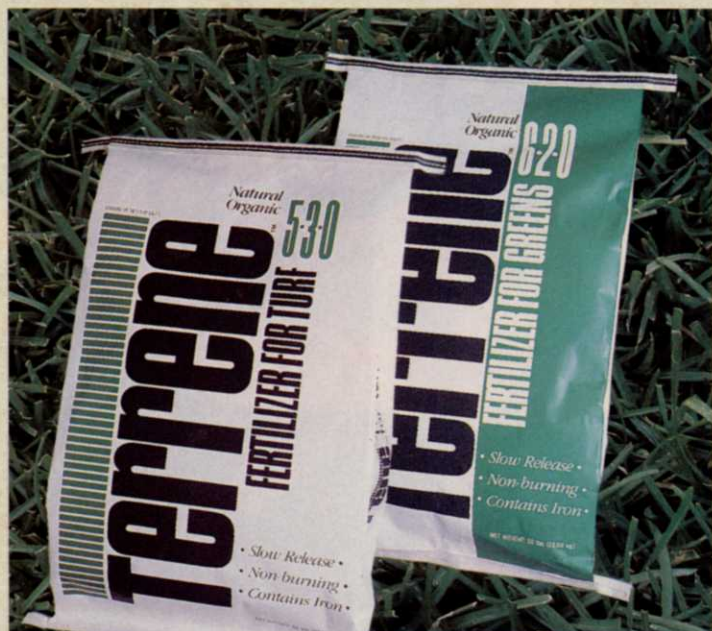
Timeslips III will help you recover those untracked billable hours that disappear each billing period. The PC-compatible software is also a workhorse for worksheets, reports and graphs. Plus, its Aging Report can give you a complete 30-60-90-day overdue analysis to instantly

determine your clients' account statuses.

Timeslips III also has an extensive security system, a Billing History Report and a User Defined Report that generates custom reports.

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Circle No. 152 on Reader Inquiry Card

All-wheel drive/steering a plus with this mower

Excel Industries brings what it calls the safest, most productive mowing machine ever to the green industry: the



UTR (for Ultimate Turning Radius).

The 65 hp 9400 UTR is the first full-time four-wheel drive, four-wheel steering machine to incorporate true zero turning radius, notes the manufacturer. The synchronized steering system means that the 82-inch deck never skips, no matter how sharp the turn.

This feature also gives the UTR exceptional ground-hugging reliability that makes it the best machine available for hillside mowing, Excel says. It also means that you can trim around any size object in one smooth motion without stopping or backing.

Special features and standard certified four post protection and seatbelt are included for extra safety. The seat features a unique tilt suspension system that keeps the driver upright when mowing on hill-sides.

Circle No. 193 on Reader Inquiry Card

Easy mower transport with cargo trailer help

Mobile Structures, a national distributor of cargo trailers and modular offices for landscaping and grounds maintenance uses, offers its 1991 line of landscape trailers.

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PRODUCT REVIEW



and 8-1/2 feet are available in lengths of up to 37 feet. Fifth wheel and gooseneck models are available up to 48 feet long in widths of 7 and 8 feet.

A rear fold-down ramp door is ideal for loading and unloading equipment. Rear double door design is also available.

Circle No. 194 on Reader Inquiry Card

Three-wheel mower adds to productivity

The T-3100 series of three-wheel riding mowers from Ransomes increases produc-



tivity without the investment of a tractor, says the manufacturer.

New to the line is model T-3102, powered by a Kohler Magnum 20 hp engine. The single-foot pedal control of the hydrostatic drive provides variable speeds in both forward and reverse, without shifting and clutching.

The 61-inch rotary cutting deck produces 28 acres of turf during an eight-hour day. And the 5-1/2-foot deck offset feature allows for easier trimming. The 48-inch deck has been added to the line for trimming in tight or heavily landscaped areas. Turf care professionals will appreciate the semi-floating, out-front deck, which delivers smooth cutting over uneven terrain, Ransomes contends.

Circle No. 195 on Reader Inquiry Card

Blade sharpener adjusts to fit any size blade

The Mini Miller from J.L.G. and Co., Gahanna, Ohio, adjusts to any position to sharpen any blade, including mulching, left hand, and bush hog blades.

J.L.G. says the Mini Miller will follow the contour of any blade, cuts sharpening time in half, and eliminates the need to have hands near the grinder. It attaches to any bench grinder or motor and stone combination.

Mini Miller products come with an unconditional 30-day and 2-year material and workmanship guarantee.

Circle No. 196 on Reader Inquiry Card

New mid-size mower has a two-step deck

The Honda HRC701ZXA is available in 36- or 48-inch cutting decks, designed to



provide better air flow. In addition to side discharge, the mower also offers the option to mulch or bag clippings.

The HRC is powered by a 13-hp Honda four-stroke overhead valve engine. A twin hydraulic drive pump and motor system gives the model a zero-turn radius for high maneuverability and infinitely variable speeds plus reverse within range of the control lever.

Circle No. 197 on Reader Inquiry Card

Leak-proof tree injector is patented, returnable

Tree Technology Systems, Inc. of Buffalo, N.Y., has developed a patented, leak-proof tree injector called ArborX.

To prevent leakage, the feeder tip of the injector and the feeder section are welded to the barrel. A special O-ring seals the plunger in both the shipping and pressurized position, and the plunger locks into position when pressurized.



The product will be sold to certified pesticide applicators who successfully complete special company training courses. Instruction is by means of a self-study program using a manual supplied by the company.

Company founder Richard Stedman has also provided for the return and secure disposal of used injectors.

Orthene insecticide, Bayleton fungicide and Nutriject proprietary fertilizers are available in the injector form.

Bayleton with fertilizer is also packaged in ArborX injectors to combat pine decline, especially in Florida. More products will be added to the line on a regular basis.

Circle No. 198 on Reader Inquiry Card

Disease detection kit spots "the big three"

The Reveal Turf Disease Detection Kit warns of the presence of brown patch,



pythium and dollar spot.

Accurate results are provided in as little as 10 minutes.

According to Agri-Diagnostics, case studies have shown that Reveal test kits can dramatically reduce pesticide use and eliminate the need for tank mix procedures.

Circle No. 199 on Reader Inquiry Card



Introducing new low-dust CHIPCO® RONSTAR® brand G oxadiazon herbicide.

Thanks to a cellulose-based granule derived from recycled paper, your favorite herbicide is now available in an easier-handling, remarkably low-dust formulation.

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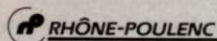
Of course, you still get the same dependable control of 25 broadleaf and grassy weeds—including goosegrass, crabgrass and *Poa Annua*—that you've come to expect from CHIPCO® RONSTAR® G. And you get this proven control all season long from just one pre-emergence application; without the leaching and root pruning associated with some herbicides. You can even use it on a wide variety of ornamentals to keep more of your course weed-free with each application. • For more

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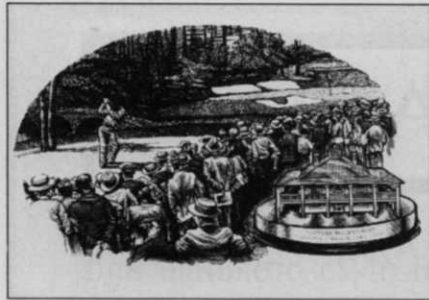


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PRODUCT REVIEW

'Innovations in Golf' charts game's history

A poster tracing the history of golf is now available at no charge from Hunter



Industries, the irrigation equipment manufacturer.

"Innovations in Golf" highlights the pivotal developments and personalities associated with the game over the last 200 years, including players, course designers and equipment.

The poster was illustrated by Texas artist Mark Weakley.

"Innovations in Golf", a 25 x 38-inch poster, is free to golf industry and irrigation professionals and educational institutions.

Circle No. 200 on Reader Inquiry Card

Water-dispersible granular eliminates disposal woes

Lesco's Three-Way 53% DG Selective Broadleaf Herbicide eliminates all contain-



er disposal problems of triple-rinsing, puncturing and landfill disposal of drums.

Three-Way 53% DG is non-volatile and readily disperses in water for spray application to control more than 35 broadleaf weed species, Lesco says.

The active ingredients are 2,4-D, mecoprop (MCP) and dicamba.

According to Lesco, rapid dispersal allows applicators to use Three-Way in all commonly used spray equipment, includ-

ing backpack and small pump-up sprayers.

Storable in low temperatures, it is packaged in 8 lb. bags, which cover 2.0 to 2.5 acres of turf.

Circle No. 201 on Reader Inquiry Card

Power-driven dethatcher rehabilitates older turf

Gandy Company now offers a multi-purpose power-driven dethatcher to help



rehabilitate older established turf areas or seed in the bare ground.

The Model 2848DP is a 48-inch unit designed for Category 1, 3-point hitch systems. It's powered by 540-rpm PTO from tractors of 18-hp or more.

The serrated knife blades on the Gandy dethatcher are set on 2-inch centers. Each is made of heavy-gauge spring steel to resist breaking and shattering. Infinite depth adjustment is accomplished with an easily accessible, smooth-operating turn-buckle.

Circle No. 202 on Reader Inquiry Card

Irrigation controller has a variety of schedules

L.R. Nelson Corp. has introduced its PRO 8430 Series 4, 6, and 8 zone controller.



The controller features an attractive, compact weather-resistant enclosure and

internal transformer. The controller's electronics are identical to Nelson's 8420 Series controllers. Battery isolated electronics virtually eliminate lightning problems, according to Nelson.

The controller includes three start times; 1-999 minute running times; various watering schedules.

Circle No. 203 on Reader Inquiry Card

Companies sign agreement for equipment manufacture

The Toro Company has entered the sprayer market.



Toro and Hahn, Inc. recently announced an agreement whereby Hahn will exclusively manufacture its multi-use commercial turf maintenance vehicles for Toro under the Toro brand name.

Under the terms of the agreement, Toro will acquire a minority interest in Hahn through the purchase of the company's outstanding preferred stock. Toro will also have the option to acquire Hahn's business assets after two years.

"This manufacturing acquisition is the perfect entry for The Toro Company into the sprayer industry," said Ben Street, Toro marketing manager. Kent Hahn, executive vice president of Hahn, Inc. called it a "win-win" situation. "Because the majority of Hahn sales have been very much dedicated to Toro distribution in the past," said Hahn, "the systems are in place to make the formal transition of sales and distribution to Toro exceptionally smooth."

The first vehicles manufactured by Hahn and released with the Toro name are the Multi-Pro 1100—formerly the Multi-Pro 418—and the Multi-Pro 5200, which used to be known as the Maxi-Pro 440.

All attachments remain in the line.
Circle No. 204 on Reader Inquiry Card