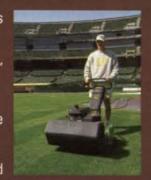


There isn't much of an off-season at Network Associates Coliseum in Oakland, California. At least not for Head Groundskeeper Clay Wood and his grounds crew. After maintaining a diamond for most of the year for the baseball

Athletics, Clay and his crew have to make sure the field is ready and striped for the football

Raiders. To keep both clubs running on a good surface, Clay and his crew rely on John Deere turf equipment. "I won't buy anything else, " says Clay. "John Deere equipment has come full circle. They have great quality in terms of mowers, reels, and blades. The 1200A Field



Rake is a real workhorse for us. And I've never heard anybody say anything but good things about the 2653A Utility Mower. It's great quality and a great relationship." To see John Deere perform on your field, call your local John Deere turf distributor or 1-800-537-8233.





NOTHING RUNS LIKE A DEERE

In & On the Ground



STAINLESS STEEL ROTOR

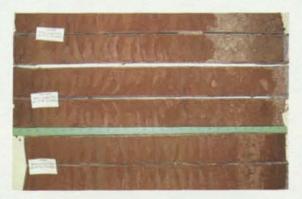
Rain Bird announces the newest addition to its family of rotors: the 5004 stainless steel rotor (5004SS). With a radius of throw of 23-50 ft., the new rotor is specially engineered for midsize commercial turf areas. The stainless steel

riser provides added toughness to deter vandals in public turf areas. In addition, there is a built-in slip clutch mechanism for added protection of the gear drive.

This rotor comes with a nozzle tree that includes low angle, Radius+ and the patented Rain Curtain ™ nozzles. All nozzles are interchangeable from the front of the rotor and are and radius adjustments are made from the top requiring only a flat-blade screwdriver.

Backed by a 5-year trade warranty, the 5004 stainless steel rotor is equipped with Rain Bird's proven water-lubricated gear drive for durable, reliable operation.

Rain Bird/520-741-6100 For information, circle 162



SOILS LAB UPGRADES

Turf Diagnostics and Design, Inc. has upgraded two or their services. The On-Line Sample Reporting is now available via the Internet; the company says it can set up client-specific data pages on its website to you to instantly access your reports. When the on-line reports are printed, they look as good as the hardcopies that are mailed from the lab, says the company. The on-line reports include letterhead and digital signature. All data on the site is password-protected.

The second upgrade is free listings on SandFinder.com, the site for information on products available from suppliers of quality rootzone materials. The information includes testing data summaries, potential turf and golf usage, and supplier contact information. SandFinder.com also offers quick summaries of materials recommendations for golf and sports turf construction.

Turf Diagnostics and Design/913-780-6725 For information, circle 161

SINGLE APPLICATION PREEMERGENCE WEED CONTROL

To avoid the root damage often associated with the use of herbicides in the dinitroanline (DNA) class of chemicals, turfgrass managers should examine herbicides with alternative modes of action other than root absorption associated with DNAs. One such product, Ronstar® (with the

active ingredient oxadiazon) provides weed control without the harmful effects of DNAs.

The only herbicide in the oxadiazole family, Ronstar is absorbed through the shoots not the roots, allowing for faster turf recovery from winterkill. This mode of action allows for uninhibited and thriving root systems in established plants. For young turf, it allows roots to grow and mature without harm.

A single application of Ronstar provides season-long weed control. Such control can reduce labor for a whole season, resulting in further cost savings, says the manufacturer.

Chipco Professional Products/800-438-5837 For information, circle 165



POST-EMERGENT WEED CONTROL

Drive® 75 DF herbicide is a broad-spectrum post-emergent herbicide for broad leaf and grassy weeds that offers overseeding flexibility to the professional turf market.

Key product features and benefits: eliminates or suppresses a wide spectrum of hard-to-control weeds; unique activity offers greater flexibility for seeding and overseeding operations; the following turfgrasses can be seeded or sprigged at any time before or after application-annual bluegrass, annual ryegrass, buffalograss, common bermudagrass, hybrid bermudagrass, tall fescue, and zoysiagrass; effective residual control for up to 30-45 days with a single application; for the following turfgrasses, Drive application is recommended 28 days after seedling emergence-Kentucky bluegrass, fine fescue (in blend), perennial ryegrass,

creeping bentgrass.

Active ingredient uses two modes of action to control targeted weeds without damaging a wide variety of cool- and warm-season turfgrasses.

BASF/800-545-9525 For information, circle 168

SHIELDED SPRAYERS

From 52- to 20-ft., ProLawn "aerodynamic" shielded sprayers are a productive, cost effective, and environmentally friendly way to apply liquid fertilizers, pesticides, and herbicides to all your turf

The unique spray shields design helps to protect the operator, and also protects the general public, wildlife, pets, and desirable vegetation from the hazards of chemical spray. And since you can control drift, the spray shields will also help keep you in control of your spray schedule.

Conventional sprayers use large water droplets to reduce drift. When a large droplet his the a blade of grass, much of the chemical splashes to the ground and is rendered ineffective. As a result many applicators request more chemicals and sometimes sticker agents to feel confident in their application needs.

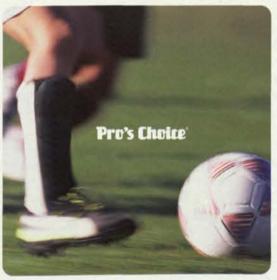
But the spray shields can apply small droplets that "stick" to the vegetation. With small droplets and lower volume, you'll use less chemicals and still get more coverage per tankful. Not only will you save chemical costs but the faster drying time allow the turf area to be re-entered sooner.

With ProLawn shielded sprayers, you'll be able to spray right up to ornamental plants, flower beds, and other landscape features. The product allows faster application, greater coverage, lower chemical usage, and on-target applications.

ProLawn/800-292-3628 For information, circle 149



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Soilmaster® soil conditioners build strong turf to stand up to tough play.

Soilmaster soil conditioner is ideal for incorporating into aerification holes, to relieve compaction in the high traffic areas on soccer, football and baseball fields. Made from a unique montmorillonite clay, and fired for maximum hardness and stability, each granule quickly wicks water away from the playing surface and promotes drainage. The result - deep rooted, divot resistant turf that recovers more quickly from heavy play.



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> (800)648-1166 www.proschoice1.com



In & On the Ground



POSTEMERGENCE FLEXIBILITY FOR ALL SEASONS

Postemergence herbicides like Finale® provide turfgrass professionals with a greater level of application flexibility than their preemergence counterparts. A non-selective herbicide, Finale controls of a broad spectrum of annual and perennial grasses and broadleaf weeds, including difficult weeds like poison ivy, dandelion, dollarweed, thistle, and white clover.

Unlike other non-selectives, Finale's chemistry kills targeted plants in a few days. Its mode of action is both contact and systemic, resulting in rapid, long-lasting control of undesirable weeds and grasses. Plus, Finale works in cooler temperatures that often limit the effectiveness of other non-selectives.

Finale is rainfast in an average of 4 hours, and once applied it stays put. This allows you to clear weeds in straight, predictable lines, without the "creep" commonly found with other herbicides.

Chipco Professional Products/800-438-5837 For information, circle 166



DRILL SEEDER

Classen's DS-20 self-propelled drill seeder features front wheel drive, twist-grip throttle, four-cycle Honda engine, reverse

reel rotation (up milling), can be used with most seeds, and has a shoe injector for more precise seed placement, says the company.

The unit weighs 400 lbs. and its rotor bar and metering device are easily removed for servicing. It has 2-in. spacing between seed outlets, the shoe injector features 10 heat-treated shoes spaced on 2-in. centers for accuracy, and 10 slicing reel blades for longer life.

Classen Manufacturing/888-252-7710 For information, circle 169



MORE WEED CONTROL

PBI/Gordon's new herbicides, marketed under the ProForm™ brand, contain EPA-approved carfentrazone-ethyl in combination with phenoxies and dicamba, which broadens the weed control spectrum and adds systemic activity, the company says.

SpeedZone and PowerZone feature protox inhibitors that result in a different plant response. "It looks different," says Gordon's Doug Obermann. "The carfentrazone-ethyl causes weeds to turn brown and crisp. They just dry up and blow away."

In addition to acting faster, the new products actually perform better in

cooler weather, says Obermann. "It's a great product for early spring and late fall." He adds that the fast response especially controls clover and spurge. "It smokes them in about a week. You'll see visual results in 24 hours or less and dead weeds in days."

The EPA classifies carfentrazone a "reduced risk pesticide" and the new products' toxicological profile earned them a "caution" signal word on the packaging.

PBI/Gordon/800-821-7925 For information, circle 163

YEAR-ROUND HERBICIDE

Having a solution that works on a major weed problem is peace of mind for a sportsturf manager. Having one that offers low use rates, doesn't leave unsightly stains, and handles two additional weed problems that sprout at different times of the year is a real windfall.

For Ted Muench, the golf course superintendent at Stonebriar Country Club in Frisco, TX, Dimension specialty

For Ted Muench, the golf course superintendent at Stonebriar Country Club in Frisco, TX, Dimension specialty herbicide fills that bill. Fortunately for him, Dimension is labeled for preemergence control of crabgrass, goosegrass and Poa annua as well as early postemergence control of crabgrass.

Muench applies the Dimension-impregnated fertilizer on the course's putting and practice greens in mid- to late-February to provide preemergence control of crabgrass. A second application to those bentgrass greens around the first of May provides early postemergence protection from crabgrass and control of the later germinating goosegrass. This split-application regimen also gives Stonebriar Poa annua control through late August/early September, when Muench repeats the Dimension treatments on his greens for late-season Poa annua germination.

That flexibility for controlling weeds in newly seeded turf is one more advantage for time-pressed turf professionals, according to Scott Eicher, senior product marketing manager. "A user can apply Dimension as soon as 8 weeks after turfgrass germination, once the root system has been well established and mowed at least twice," he says. "Or they can reseed within 10 weeks (except when overseeding Bermudagrass with perennial ryegrass, which allows for 8 weeks), which leaves a busy turf manager to do other things with his time."

Dow AgroSciences/800-255-3726 For information, circle 164



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Circle 118 on Inquiry Card

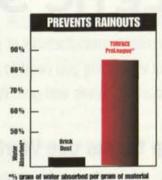
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Circle 119 on Inquiry Card

In & On the Ground



FIELD MARKING MACHINE

Pioneer's gasoline-powered Brite Striper 1500 is easy to use says the manufacturer. With a simple design and handy features, the heavy-gauge welded steel unit is meant to last for years, trouble-free.

A 7-gal. stainless steel tank reduces the number of refilling delays, and a bottom clean-out valve on the tank makes cleaning up easier. Three large, 10-in. wheels provide a smooth roll. You can use the 12-ft. handhose with wand and a fully adjustable spray box on large areas

Pioneer Manufacturing/800-877-1500 For information, circle 145

CONTROL "UNCONTROLLABLE"

Image® 70 DG herbicide provides postemergent control of problem weeds in warm- season turfgrasses such as bermudagrass, St. Augustinegrass, centipedegrass and zoysiagrass.

The manufacturer says it controls "uncontrollable" weeds that other herbicides cannot, including: summer weeds-purple nutsedge, yellow nutsedge, dollarweed, field sandbur, globesedge, green kyllinga, rice flatsedge and perennial/annual ryegrass (overseeded); winter weeds-wild garlic and

wild onion, black medic, buttercup, common chickweed, mouseear, cutleaf evening primrose, geranium carolina, dovertail geranium, hairy bittercress, henbit, knawel, lawn burweed, parsley-piert, purple deadnettle, white clover. Aids in controlling and reducing competition from dollarweed, tall fescue, violets, and annual sedge and Virginia buttonweed.

Product also provides selective weed control and is tolerated by established stands of warm-season turfgrasses as well as many landscape ornamentals and ground covers. Active ingredient is absorbed through root systems of targeted weeds and inhibits the enzymes needed for photosynthesis so food production stops and weeds waste away.

BASF/800-545-9525 For information, circle 148





BEAUTIFUL TURF

Opti-Gro™ is a provider of preemergent, post-emergent, and non-selective herbicides to schools, park and recreation, and athletic fields. We help create beautiful turf reflective of the healthy grounds an organization is proud to own. As the weeds are eliminated, the turf increases its density and durability, becoming aesthetically pleasing to the public. With solutions like these, Opti-Gro matches your needs as well as your budget, letting you spend time working on other projects rather than worrying about the turf.

Opti-Gro/800-527-9919 For information, circle 146

TURF RENOVATION TOOL

Basamid®, a granular soil fumigant, is used for turf renovation to help rid turf of existing vegetation in addition to dormant weed seeds such as poa annua, which can germinate up to 40 years after dormancy. Golf course superintendents have recently discovered its unique benefits of providing long-term and complete control of unwanted pests while establishing new fairways.

Features and benefits include: labeled for lawn and turf renovation, golf course construction and renovation, lawn and turf seedbeds, ornamental field production and ornamental landscape beds; eliminates weed seeds, nematodes, grasses and soil diseases; granular formulation is easy to use, product is activated by soil moisture; offers 24-hour re-entry interval, allows reseeding in as little as 10-12 days; as a non-restricted product, it requires no complicated application equipment or tarps, thereby reducing labor costs and cost of plastic disposal.

BASF/800-545-9525 For information, circle 147



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Genetich ybrid Latest evolution in commercial Fills industry gap

BY GILBERT PEÑA

alk-behind mowers have come a long way from when they were small, selfpropelled units. Several significant industry trends have continued to make them a necessity in a commercial mower's equipment fleet.

One of the biggest industry improvements for walk-behinds was the introduction of hydrostatically driven machines. Although the cost for a hydrostatic mower is higher than a gear-driven mower, the transmission offers improved productivity.

Another industry trend was the introduction of the velky and sulky attachments, which increased productivity and reduced operator fatigue. A velky is a stand-on attachment that allows the user to ride on a platform that is pulled by the mower. A sulky is a ride-on attachment that performs the same function as a velky, except the user sits in a seat mounted on the platform. Because a walkbehind is limited by its user's walking pace, velky and sulky attachments allow the machine to be operated at a faster pace while the operator simply served as a guide.

The latest industry trend is offering operators even more power and control over their walkbehind mowers. The trend is a new style of machine that commercial mowers might choose to replace their hydrostatic walk-behinds and any velky or sulky attachments. Several commercial mowing manufacturers are offering hybrid zero-

turn-radius (ZTR) mowers with integrated stand-on platforms. For example, John Deere recently introduced its 607 Series Commercial Quik-Trak™ mowers (see sidebar).

The benefits of a hybrid ZTR over a velky or sulky attachment include better maneuverability and control for the operator.

With a velky or sulky attachment, the operator stand is separate from the actual machine. As a result, when the machine goes over a bump or makes a turn, there is a delay before the operator stand goes over the bump or makes the turn. This ultimately

slows the mower down and can be a hazard to the

The new hybrid ZTR mowers with integrated operator platforms don't have that disadvantage. There is no delay between the movements of the operator and the machine, because the platforms are built into the unit. The operator moves with the machine as one unit, which allows the operator to mow at top speeds.

Although the new hybrid ZTRs may be more expensive than a hydrostatic walk-behind, they offer the power of a hydrostatic mower and convenience of a velky or sulky while increasing productivity and reducing operator fatigue. Although operators "ride" on the machine, they are definitely not "ride-on" mowers. The new machines still have the advantage of a walk-behind mower's trimming capabilities and ability to get into tight areas.

The hybrid ZTR mowers are filling an industry gap between traditional walkbehind mowers and ride-

Hybrid ZTR mowers offer all of the trimming capabilities and flexibility of traditional walk-behind mowers as well as increased productivity and reduced operator fatigue.

on units, allowing operators to indulge in the best of both worlds.

Gilbert Peña is marketing manager of commercial mowing. He can be reached via e-mail at penagilbert@jdcorp.deere.com.

John Deere introduces commercial Quik-Trak™ mowers

ohn Deere has introduced its 600 Series Commercial Quik-Trak™ mowers, which are hybrid zero-turn-radius (ZTR) mowers designed to fill a gap between traditional mid-mount, ZTR mowers and traditional walk-behind mowers. The operator doesn't sit or walk; he or she stands on a platform. Each model's compact size requires less trailer space and improves maneuverability and trimming ability.

The three models - the 19-hp 647, the 23-hp 657 and the 23-hp 667 — are all powered by air-cooled, vertical Kawasaki engines. And they are all equipped with the 7-Iron* side-discharge commercial mowing decks. The 647 has a 48-in. deck, the 657 has a 54-in. deck, and the 667 has a 60-in. deck.

Each machine is controlled by dual-loop levers that function

as a ZTR lever system. Ground speed and direction are controlled by pushing the levers forward to move forward and pulling them rearward to go in reverse, which lends itself to operators of all experience levels. A reference bar is

> included to reduce fatigue from control lever operation. A separate choke control requires less adjustment and saves time.

The operator platform is supported with suspension springs to absorb shock and provide a smooth, comfortable ride. An insulated, 2-in.-thick pad also absorbs shock and protects against engine heat to increase operator comfort.



JOHN DEERE

-Gilbert Peña



ELECTRIC CHAIN SAW

Remington introduces their newly designed 3.5-hp electric chain saw. The improved styling gives the chain saw a modern powerful look full of safety elements, including a full wrap-around front handle makes for comfortable handling at all cutting angles, while the rear handle features a one-of-a-kind soft-touch grip for comfort and

Built-in steel bucking teeth are great for leverage and pivoting, while a narrow nose bar tip and chain design safeguard against kickback. The new finger chain tension system offers convenient chain tensioning without using a screwdriver and a power cord hitch holds cord for safer cord management.

This new Remington electric chain saw is one of the lightest in the industry at 9.5 lbs.

Remington/800-858-8501 For information, circle 193

Dress for Success.



HUSTLING HYDROS

The Hustler line of Hydro WalkBehinds keeps growing. New this year is a 37-in. model and an electric start option on the 17-hp Kawasaki engine. Deck sizes can be either 48 or 54 in. Patented H-Bar steering makes the Hustler Hydro WalkBehind easy to learn and operate; it features simple motorcyclestyle controls with a forward twist to go forward and a twist back for reverse. Add the Hustler Sulky and the Hustler Hydro WalkBehind becomes a zero-turn front-mount mower. Other options include a deck-mounted catcher, mulch kit, and Gator blades.

Hustler Turf Equipment/ 800-395-4757 For information, circle 196



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more iron to grass and keeps working after other products have fallen short. High performance turf needs high performance iron, and Sprint delivers, even in highly alkaline or calcareous soils. That's why it's the iron chelate turf and greens experts have trusted for over 15 years, and why you can trust Sprint to keep your grass in peak condition.

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For more information about Becker Underwood's full line of quality turf products, please contact your distributor.



Maintaining the Grounds

PARTS CATALOG

Prime Line Power Equipment Products has introduced their new OE engine and drive parts and accessories catalog that specifically targets the commercial market.

The new commercial catalog features the most popular commercial grade parts for top brands such as Bobcat-Ransome, Exmark, Toro, John Deere, Scag, Gravely, Kawasaki, Kohler, and more. A wide range of equipment, including commercial mowers, gas trimmers, and blowers will be supported.

"We have always been known for our OE equivalency, superior quality, distribution, industry leading warranty and in-house technical support.

These will continue to be our focus with the new commercial grade lines," says Prime Line's Laurie Klump.

Prime Line/217-324-9400 For information, circle 191



TORO'S MID-SIZE MOWERS

Toro's ProLine Gear and Hydro Floating Deck Mid-Size mowers feature 12.5-, 15 and 17-hp Kawasaki and 13- and 15-hp Kohler Command PRO engines; the patented Toro T-Bar Steering system; forward ground speed up to 6.5 mph; and 44- and 52-in., fully floating, Super Flow System decks with blade tip speeds of more than 18,000 ft. per minute, height of cut from 1 to 4.5 in. with 1/4-in. increments, and sealed spindle ball bearings.

The Toro Co./800-476-9673 For information, circle 205

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