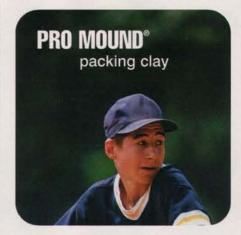
WETTING AGENTS FloraSPORT is introducing two new wetting agent products designed for clay & sandy soils. MOVE is designed to promote quicker, longer lasting moisture penetration properties to soil, and H2OLD is a non-ionic wetting agent designed to promote entry and even distribution of water into the rootzone. Its components then interact with the soil molecules to retard leaching. FloraSPORT Turf Products are sold and & supported nationwide and are known for providing a high level of service and support. FloraSPORT Turf Products/901-853-2898 For information, circle 161



to more than 120 countries.

Dosatron/800-523-8499

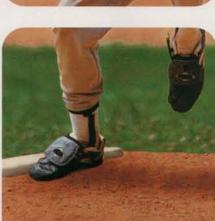
For information, circle 163







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In & On the Ground

FAST MARKING

Newstripe has added the NewRider 2000 to its line of field marking and maintenance equipment. The unit features a 55-gal. tank so you can paint up to 22,000 ft. of 4in. line, at a 25,000 ft. per hour pace. It has center and side-mounted dual spray heads, seat-based controls, rear hitch, and dual in-line filters. Handgun attachment is standard.

Newstripe Inc/800-624-6706 For information, circle 164





DRAINAGE CHAMBERS

CULTEC, Inc. RECHARGER and CONTAC-TOR plastic chambers are designed for underground detention/retention. The cost-effective chambers handle drainage on athletic fields, golf courses, paved parking lots, and landscaped areas.

The polyethylene units have a patented rib connection that is found only on CULTEC chambers. They have an open bottom for higher infiltrative capability and a history of long-term performance.

The low profile Field Drain is a practical choice for near surface designs and areas with space constraints, while RECHARGER is used for projects that require a larger drainage system.

CULTEC, Inc/800-428-5832 For information, circle 160

SOIL/TURF AMENDMENTS

permanent aerification. A stable porous ceramic granule, the product is manufactured by firing natural raw material in a rotary kiln. Each granule is composed of capillary and non-capillary pore space, thus improving air, water and nutrient control within the root zone.

beneficial moisture and nutrients. Diamond Pro Soil/Turf Amendments is also used as a top dressing after aerification to improve turf quality. Available in bags or bulk truckloads.

Diamond Pro/800-228-2987 For information, circle 175



FOLIARS

Emerald Isle Nutri-Rational foliars are designed to bypass the root system and provide intake of plant nutrients through the leaf tissue, which has two benefits: reliably feeding the plant and allowing it to conserve energy.

The faster a foliar is absorbed through the leaf tissue and the faster it gets into the plant, the more efficient it is, says the company.

Milliken Turf Products/800-845-8502 For information, circle 167



MATERIAL ANALYSIS

Dakota Analysis, an A2LA accredited lab, tests materials used for construction and maintenance on sports fields and golf courses around the world. The company says it supports testing for most of the NFL, major league baseball, major college stadiums, and many high school stadiums that have natural turf.

Dakota Analytical/800-424-3443 For information, circle 192



has the capacity to stripe more than 100 football fields with one charge, and manufacturer Pioneer says it provides the straightest lines of any field striper.

Unit is equipped with two 12-gal. steel tanks that come with a 5-yr. guarantee. An optional third tank is available if you want an additional striping color. A switch by the seat activates the tanks and a side panel controls the spray. Handhose is included.

Pioneer Manufacturing/800-877-1511 For information, circle 169



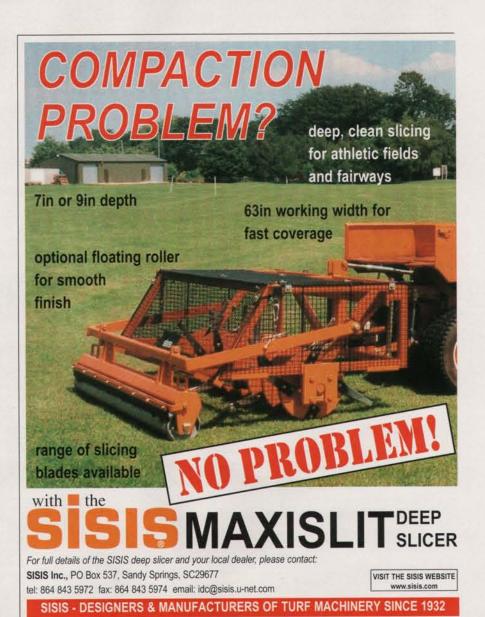
"THE CALCIUM WAVE"

White Gold is a 0-0-24 product that is safe to use and very easy to apply has more than 5 years of documented research behind it, says the manufacturer. It melts quickly, has a low salt index and the risk of turf burn is very minimal.

It has been proven that White Gold knocks salts off of soil profiles, providing vital nutrients to the plant in as little as 3 days. White Gold also causes nitrogen retention, which creates savings and safe turf.

White Gold comes in three different forms: Mini prill, Regular Prill and Dry, Flowable Powder for spraying.

Magic Green Corp/573-384-6300 For information, circle 195



Checklists:

important field maintenance & safety program tools

BY SUZ TRUSTY

n ounce of prevention really is worth a pound of cure. The most important aspect of athletic field maintenance within today's litigious environment is safety - of both the field users and the facility. A comprehensive field management program focuses on preventive measures to reduce safety risks and protect the facility in areas of liability.

Three basic principles apply to both establishing the maintenance and safety program and to its execution: reasonable, prudent and consistent. A reasonable program is sensible and based on sound judgment. A prudent program exercises that sound judgment in practical matters, including as it concerns ones' own interests. A consistent program always holds to the same principles or practices.

This applies even if the facility has a limited budget for equipment, supplies, and personnel-if the program is conducted in the best possible manner with what is available - and the execution of the program is consistent with the established principles and practices.

Staff members must not only be able to observe overall field conditions, but also the multiple small details that are involved. These individuals must be equipped to handle the assigned maintenance and to recognize hazards and potentially unsafe conditions. A daily field inspection form (Figure 1) helps guide personnel in completing maintenance tasks, serves as a reminder to conduct all safety inspections, and provides a record that both have been done.

Problems that can be easily rectified should be corrected immediately. If a problem can't be fixed immediately by the crew, the crew leader should be instructed to note all the information on the form and report the problem to his or her supervisor. The supervisor would then be required to assign personnel to correct the situation and to document that the problem was rectified on a specific date and time, and by whom.

Checking it twice

Problems, and changes that may lead to problems, can be more difficult to recognize when personnel see the same facility on a daily or nearly daily basis. It's important to augment crew members' regular daily inspections with periodic inspections by a supervisor or non-staff safety auditor.

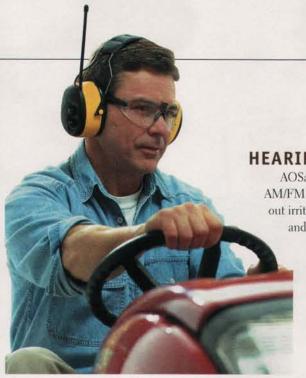
A checklist helps guide this inspection and record that it has been conducted (Figure 2). The inspector would use the form to record both areas that meet facility standards and areas that don't. Any problems noted on the form would be assigned for correction. Again, all details would be recorded, including the date and time the problem was rectified and by whom.

These procedures are important elements of a reasonable, prudent and consistent field maintenance and safety program. If necessary, the checklists provide documentation that will state the facility's case during legal action.

Suz Trusty is communications director for the Sports Turf Managers Association, 800-323-3875 or www.sportsturfmanager.com.

	WEEKLY	FIELD MAINTE		Recreation E SAFETY AUDIT	
COMPLEX	£		YES	Litter and Unsafe debris - is scattered around	Repair date as number to be o
DATE				the field and player' spectator areas. Waste Containers - supply and location is	
INSPECTO	R.			inadequate. Sprinkler Heads - in the field are below grade or have sharp edges or protrusions.	
Check each box "NO" if repairs are not necessary. If the answer is "YES"				Accidents - there have been reports about players running into surrounding objects.	
write a comer the end of eac	ox NO if repairs are not necessary. If my it about each problem in the "COMMENTS h section. All boxes checked "YES" shoul ed after repair is made. This form should o	S" space provided at ld be scheduled for		Field Design - our faculty does not comply with industry ecommended specifications. Bare Spots - hard soil surface exposed	Last Checked
the date listed	at the top.	Repair date and field		Soil Sub Surface - is roughly graded or drains too poorly.	
VES NO		number to be repaired.		Turf texture, density, or height is not uniform making an unsafe running surface.	
	Soil - too loose to provide good running traction.			Thatch - excessive thatch is causing turf to b	
	Sail - surface is not loose enough around		-	lumpy and unsafe to run on. Vegetation - there are weeds with thursts.	+
	stiding zones for safe stiding, too abrasive. Soil - too compacted to provide good			bristles, or burs in the turf.	
	drainage.			Gopher, Woodchucks, Armadillos - there are	e
	Running Paths/ Sliding Zones - have become		-	animal mounds and holes in the area. Tire Ruts—there are hazardous tire ruts in	
	Batters Box/ Home Plate Area - have become			turf.	
	worn and needs to be reconditioned.		COMME	NTS:	
	Pitcher's Mound - has become worn and needs to be recombitioned				
	Bases - do not seat properly with ground				
	Infield Area - has low spots, holes or is not				
	level and should be regraded				
	Soil Buildup - there is a hazardous lip.				
	Soil Buildup - there is a hazardous lip.				

-																
SCHOOLS	1					AND SA	**************************************								DESCRIBE GENE & COMMENTS	ERAL CONDIT
Benny SE							9									
Benny SW														1		
Benny NE			0	-							-					
Benny NW	B			600			311	154								
Glen Flora S					10			100					100			
Glenwood E	1165		3	.50	18		06	100			168	181	437			
Glenwood W	725		8	399	1070		95	-04			4	12	. 155			
Jefferson NW	1 2/3		100	Ditti I	921		Sid	28		65	100	24	19			
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Lyon	-19			153	170		38	128		100	1	179				
McAree SW	100			103									58			
McAree NE					160											
McCall NE	10			160				138		55						
McCall NW			4	1				-		100		-0-				
Webster NE	33	T de		13	100		12									
Webster SE	10			裕	35		-di	長		13	7900		173			
Webster SW		18		135	17.7		20	150		10	1		102			
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Waukegan East	2.5	10	8				33/	THE R								
Waukegan West				346				TO ITS								



HEARING PROTECTION

AOSafety's new hearing protector has a built-in AM/FM stereo radio to protect hearing while tuning out irritation and destructive noises. The lightweight and adjustable earmuffs can be worn comfortably

for long periods. "WorkTunes" have a volume control limit of 82 dB and feature padded headband, easy adjustment, broad sealing rings and an antenna with good reception.

AOSafety, Inc/317-692-6542 For information, circle 183



COMPACT HOT H20 WASHERS

Landa has updated its line of compact, natural gas (or liquid propane)-heated hot water pressure washers. The nine stationary VHG models range from 3.5 to 4.8 gpm in volume and 2000 to 3000 psi. All models fit within a footprint of 24 in. wide by 53 in. long, and stand 49 in. tall.

The series is more accessible for servicing with new hinged doors on the side and a removable panel on top of the units' steel cabinets. Also, the gas valve is elevated for better access.

Landa/800-547-8672 For information, circle 184

PADLOCKS

Fast delivery and all-climate endurance make Herculock solid brass padlocks a good security risk. The tumbler-pin padlocks can be keyed alike, differently, or matched to your existing padlocks and shipped in only 2 weeks, says the manufacturer.

Padlocks are available in widths from 1 1/8 to 2 1/16 in., with shackle clearances from 7/8 to 8 in. and shackle diameters from 3/16 to 5/16 in. Lock bodies have drip hole to prevent trapping moisture.

Herculock/740-494-2620 For information, circle 188

COLLAPSIBLE CATERING

EZ-Cater Cart, a collapsible catering system, has new accessories available, including tray rails, multi-position sneeze guards, four types of insulated drop-in boxes, two layers of speed racks, and extra fourth panels for stand-alone service.

When collapsed the cart is smaller than a folding banquet table, says the manufacturer.

E-Z Cater Cart/800-654-5819 For information, circle 187



Around the Grounds

TRAILER-MOUNTED WASHER

A new custom-built, trailer-mounted pressure washer is available. Mi-T-M Corp. will custom build unit with washer of your choice, hot or cold, belt or direct drive. Trailer-mounted units feature 14 in. tires, surge brakes, a 5 x 8-ft. wood deck, and a tandem axle. Gross weight limit is 6,000 lbs.

Mi-T-M Corp/800-553-9053 For information, circle 186





STAIN REMOVER

Compliance Safety, Inc., has added the hand cleaner Reduran to its product line. Specifically formulated to remove stains caused by pattern indicators, pond dyes, and pesticides, the formula is available in 3-oz. squeeze tubes.

Compliance Safety/800-340-3413 For information, circle 177



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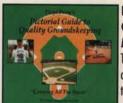
Products range from mowers to generators to toolboxes to fans to pressure washers, power tools and more.

Northern Tool & Equipment/800-556-7885 For information, circle 180

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Pictorial Guides to Quality Groundskeeping Book I

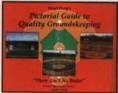
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STMA Chapter News

Congratulations and Welcome to STMA's Two Newly Affiliated Chapters: The Georgia Sports Turf Managers Association and the Pacific Northwest Sports Turf Managers Association.

Georgia Sports Turf Managers Association: GA-STMA participated in their first official event as a chapter with a booth and members conducting educational sessions at the Georgia Recreation and Parks Association (GRPA) Facilities & Grounds Section Field Day that was held June 26 at Lost Mountain Park. For information on the chapter or upcoming events, contact Lori Turek at 770-509-3663 or gastma@earthlink.net.

Pacific Northwest Sports Turf Managers
Association: PNWSTMA is in the process of planning a
Field Day at the Mariners for August 19. More details
will be announced soon.

For information on the chapter or upcoming events, contact in Washington, Jay Warnick at JayW@Seahawks.com or in Oregon, Mike Wagner at MWagner@Oregon.UOregon.edu.

Colorado Sports Turf Managers Association:

The Colorado Chapter is planning a Summer Workshop in the City of Aurora on July 9. Soccer, football, baseball, and softball field maintenance issues will be covered.

The CSTMA 2002 Lawnmower Man Open golf tournament will be held at Westwoods Golf Course in Arvada on July 23.

For information on the Colorado Chapter, or upcoming activities, visit the Chapter's website—www.CSTMA.org, or call the CSTMA Chapter Hotline at 303-346-8954.

Minnesota Chapter STMA: The Minnesota Chapter challenges the Iowa Chapter to the annual "Chapter Clash" on July 12 and 13. The MSTMA Seminar on Wheels will be held August 9.

As its Community Service Project, MSTMA will be selecting a local baseball/softball field to renovate based on written entries received by the MSTMA Chapter Office. For more information contact Mike McDonald, CSFM, at tel. 612-625-6097.

For information on the Minnesota Chapter, or upcoming events, contact Jeff Hintz, Bethel College & Seminary, St. Paul, at 651-638-6075 or e-mail: j-hintz@bethel.edu.

The Florida Chapter will hold a Workshop at the Dolphins Training Camp in Davie July 16. The educational focus is on fertilization of athletic fields in Florida. The Chapter also will participate in the Florida Turfgrass Association Show to be held in Tampa September 16-18.

For information on the Florida Chapter, or pending activities, call John Mascaro at 954-341-3115.

Tennessee Valley Sports Turf Managers
Association (TVSTMA): TVSTMA is planning a July
18 event at Bellevue Baptist Church in Memphis. Also
in the planning stages is an August event with the
Tennessee Titans.

For information on the TVSTMA Chapter, or upcoming events, call Bill Marbet, Southern Athletic

Fields, Inc., at 931-380-0023 or 800-837-8062 or visit the chapter's website: www.tvstma.org.

Iowa Sports Turf Managers Association: The Iowa Chapter will participate in the Iowa Turfgrass, Nursery & Landscape Field Day will be held July 18 at the ISU Horticulture Research Station north of Ames. Registration begins at 7:30 am. Pre-registration is strongly recommended. Morning tours begin at 9:00 am. The Sports Turf Tour includes: Sand Field Fertility, Preemergence Weed Control, Seeded Bermuda Traffic Study, Variable Traffic Intensity Study, Summer Patch Control, Turf Painting Trial, Species Traffic Study, Kentucky Bluegrass and Fine Fescue Variety Trial, and Equipment and Product Demonstrations. Lunch will be followed by a Mower Safety Demonstration and the choice of three options: Product Demonstrations; Pesticide Applicator Training; and Turf, Weed, Disease and Insect ID.

The Chapter also is invited to take part in the First Annual "Field Day Classic" benefit golf tournament July 17 hosted by the Iowa Turfgrass Institute.



For information on the Iowa Chapter, or upcoming activities, contact Lori Westrum of The Turf Office, 515-232-8222, or fax 515-232-8228, or e-mail: Lori@iowaturf-grass.org.

Ohio Sports Turf Managers Association (OSTMA): The OSTMA chapter will take part in a Joint Golf Outing with the Ohio Lawn Care Association July 25 at Apple Valley Golf Course in Howard. The Chapter will participate in the OSU/OTF Research Field Day in Columbus August 14. The OSTMA Fall Field Day will be held at Cincinnati Hills Christian Academy in Cincinnati August 20. This event will include great educational opportunities and vendors demonstrating their newest line of sports turf equipment and supplies. The Chapter also will participate in the Paul Zwaska Ball Field Workshop to be held September 10 at the OSU Intramural complex off Lane Avenue in Columbus.

For information on the OSTMA Chapter, or upcoming events, call OSTMA Headquarters at 740-452-4541 or Boyd Montgomery at 419-885-1982; or visit the chapter's website at www.ostma.org.

Virginia Sports Turf Managers Association: The Virginia Chapter will participate in the Virginia Tech Turf and Landscape Field Day to be held on the Virginia Tech Campus in Blacksburg July 30 and 31. July 30 events include pesticide certification and recerti-

fication programs and an evening tour of the new Lane Stadium south end zone stands, suites and facilities, the tray drainage field system with TifSport bermudagrass, the Kentucky bluegrass sand-based practice fields and a visit with Virginia Tech faculty members. Events on July 31 include research and demonstration field tours and vendor/equipment displays. A Sports Turf Tour of Worsham Field's Tray Drainage System conducted by Dr. David Chalmers is offered as part of this program. For more information, contact David McKissack via email: turfl@vt.edu or at 540-231-5897.

For information on the Virginia Chapter, or other upcoming events, contact: Randy Buchanan, County of Henrico Recreation and Parks, via e-mail: buc06@co.henrico.va.us or at 804-261-8213.

North Texas Sports Turf Managers Association:

The NTSTMA Chapter is planning a July Sports Field Educational Program with the main topics aerification, topdressing, soil amendments, and overseeding. The confirmed date and location will be announced soon. For information on the North Texas Chapter, or pending

activities, contact Scott Piecha at 817-831-4505 or sspiecha@aol.com, or Rene Asprion at 972-647-3393, or visit the website at www.ntstma.org.

Sports Field Managers Association of New Jersey: The SFMANJ Chapter will hold a Field Day at Dunham Park in Bernards Township from 8:30 am to 3:30 pm August 8. On the program are: soccer field maintenance and renovation; soil tests; Dos and Don'ts of writing specs, Equipment demos; and more.

For information on the New Jersey Chapter, or upcoming events, call Fred Castenschiold at 908-722-9830 or email to mkc@blast.net; or call Eleanora Murfitt, at 908-236-9118; e-mail to HQ@stmanj.org.

Michigan Sports Turf Managers Association (MiSTMA): The Michigan Chapter will participate in the MSU/MTF/MiSTMA field day which will be hosted by the MTF at Michigan State University August 13. This event will team sports turf managers and business managers with a focus on the business end of maintaining sports fields.

For information on the Chapter or pending events, contact MiSTMA Headquarters at 517-712-3407, or email Amy Fouty, University of Michigan, at fouty@umich.edu, or go to www.mistma.org to visit the chapter's new website.

MO-KAN Sports Turf Managers Association: The MO-Kan Chapter will hold a Fall Turf Management Field Day at the Pembroke Hill High School Football Stadium August 14. The program will cover maintenance and repair on high use football fields, including topdressing and renovation. There will be a field painting seminar with tips and shortcuts to get fields painted accurately and efficiently. "Hands-on" practice painting custom field logos also will be offered. Instructors include: Chuck Dixon, JL Bruce & Assoc,; Brad Fresenburg, University of Missouri; Jim Wilson, Blue Valley Schools; and field paint and equipment sales professionals.

continued on next page