Power, speed and great range in the field

Every team needs a good utility player. That's why you're starting to see the John Deere 1200 Bunker and Field Rake appear on more ball-fields every season.

This year, a host of new attachments make the 1200 an even better choice. Attachments that include a wider front blade, two mid-mounted scarifiers and a rear-mounted field finisher. There's even a hydraulic package that allows you to pull an aerator.

An efficient 10-hp engine powers the 1200. And the 1200's transmission, unlike hydrostatic systems, doesn't rob the engine of valuable horsepower. It uses power to your best advantage with a built-in gear reduction of 164 to 1. It all translates into tremendous pulling power.

For the name of your nearest distributor, or free literature, call 1-800-544-2122 toll free or write John Deere, Dept. 956, Moline, IL 61265.
8 KEEPING FACILITIES IN PLAY: DRAINAGE AND SURFACE WATER REMOVAL
Keeping outdoor turf in play relates directly to drainage. Yet no amount of slope, porous rootzone, or subsurface drainage system has a perfect record when it comes to unusually heavy rainfall. That is why tarps, water removal machines, drying agents, and supplemental drainage are important in preventing rainouts.

16 EROSION CONTROL: KEEPING SEDIMENT IN ITS PLACE
Sediment is the number one pollutant of waterways and can cut the life of reservoirs in half. Water and wind erosion can be curbed significantly by using silt fences, mats, hydraulic mulch, and straw. The key is creating an erosion control plan prior to construction utilizing the right mix of erosion control devices.

20 GETTING AN ANGLE ON SLOPE MOWING
Golf courses and sports facilities with sloped turf areas of 15 degrees or more require specialized mowers. Sports turf managers need to consider center of gravity, drives, tires, and operator safety when selecting mowers for sloped sites.

30 CHRIS TILGHMAN SETS HIS OWN COURSE
Owning the course you maintain has its own set of responsibilities. Chris Tilghman and his brother Phil own Gator Hole Golf Course in North Myrtle Beach, SC. The Clemson graduate takes a somewhat different approach to course maintenance than other superintendents in his area.

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COVER: Baseball diamond at Robert F. Clement Park in Littleton, CO is kept tournament ready with the help of surface water pumps. Photo courtesy: Foothills Park and Recreation Department.
Kubota has introduced a complete new mowing system, the FZ2100 Front Mower. From “A” — Auto Assist Differential (AAD) to “Z” — Zero Diameter Turning Radius (ZDT), it increases your power and mobility to handle all your mowing needs.

Equipped with 20 horsepower and four-wheel drive, the new FZ2100 Front Mower’s zero diameter turning radius gives you the agility and power to get into the tightest spaces effectively. You can mow around trees, hedges, flower beds and other obstacles much more precisely and in less time. And, with the Auto Assist Differential drive system the machine automatically switches between 2WD and 4WD to match operating conditions and terrain, providing more traction and eliminating slippage. This increased productivity in all mowing conditions, and the FZ2100’s ability to turn completely around in one spot without damage to the turf, cuts way down the time spent on labor-intensive hand trimming jobs.

The FZ2100’s front wheels rotate freely through your tightest turns, and Kubota has designed round shoulder tires that virtually eliminate turf damage. And, the FZ2100 offers all the durability and innovation commercial operators have come to expect from Kubota. Like our powerful Kubota liquid-cooled diesel engine, hydrostatic transmission, 55 degree tilt deck for easy access and blade maintenance and optional grass catcher.

Your authorized Kubota dealer can show you the complete commercial mowing system with the power and maneuverability to handle your tough jobs from A to Z. For more information write to: Kubota Tractor Corporation P.O. Box 7020-Z Compton, CA 90224-7020.
HELP FOR PARKS IS ON THE WAY

The doors are beginning to open for those responsible for maintaining parks. After speaking with the hard working volunteers at Sports Turf Managers Association (STMA) chapters across the country during the past few weeks, it's clear that an important transition is underway.

Once an organization consisting largely of stadium groundskeepers, STMA leadership at the national and chapter level is swinging over to park maintenance and university grounds personnel. This is a healthy sign that help is on the way for our public park systems.

Having tried the front door, so to speak, with various national park organizations to reach those in charge of maintaining and often building our parks, we are switching over to the back door. A quick glance at STMA chapter rosters reveals that many park landscape managers are members.

They speak highly of local sports turf institutes and the hands-on information they receive at these events. Never before have they had the opportunity to see demonstrations of baseball infield preparation, field painting, topdressing, slit trenching, and other vital aspects of their jobs. Since the institutes are usually within driving distance, superintendents can bring along their foremen and crews so they too can witness the latest in sports turf management. Information is finally getting to the person who needs it most.

Those I've spoken to have previously tried other organizations and events to help them keep abreast of the latest sports turf technology. They report most of the discussion at park meetings is devoted to the needs of park and recreation directors. They have also tried golf course superintendents meetings. These are valuable inasmuch as golf has many similarities to athletic field maintenance.

Until now, their best source has been state turf field days and conferences, especially those which have devoted a part of their event to athletic turf. Sport turf institutes are designed specifically to pass along information overlooked by other conference organizers. They provide solutions developed by those in the field for everyday problems.

Park maintenance professionals are joining local STMA chapters and attending their events. Now, we know who you are and can begin to help you. This is the back door I mentioned before and it would not be there without the leadership of local chapters. The more chapters of STMA there are, the more we can do for parks. Help is on the way.

Bruce F. Shank

FEBRUARY

26-27 Advanced Turfgrass Management Symposium: Golf Courses and Water Quality, Cook College, New Brunswick, NJ. Contact: Office of Continuing Education, Cook College, P.O. Box 231, New Brunswick, NJ 08903, (908) 932-9271.

27-28 Athletic Field Maintenance Seminar, C Cook College, New Brunswick, NJ. Contact: Office of Continuing Education, Cook College, P.O. Box 231, New Brunswick, NJ 08903, (908) 932-9271.

28 Third Annual Turf Management Seminar, Cuyamaca College, El Cajon, CA. Contact: Ray Meredith, (619) 670-3544.

MARCH

3-5 Massachusetts Turf Conference, Springfield Civic Center, Springfield, MA. Contact: (413) 549-5295.


APRIL

13-14 Southeastern Turf Conference, Tifton, GA. Contact: Glenn Burton, Coastal Plain Station, (912) 386-3353.

See STMA IN ACTION for information on Sports Turf Managers Association Events.

Send announcements on your events two months in advance to editor, sportsTURF magazine, P.O. Box 8420, Van Nuys, CA 91409 or FAX to (818) 781-8517.
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information about new low-dust herbicide, contact your turfcare chemicals supplier today. Or call toll-free 1-800-334-9745.
Keeping Facilities In Play: Drainage and Surface Water Removal

The Achilles heel of outdoor sports facilities is their exposure to weather-related cancellations. Rainouts not only mean a loss of revenue, they cause complicated rescheduling of events. Anything the sports turf manager can do to lessen the chance of rainouts is bound to positively impact his reputation.

Keeping outdoor turf in play relates directly to drainage. It doesn’t matter whether the surface is natural or synthetic, it will be limited as to the amount of water it can remove or hold before puddling occurs. When precipitation exceeds this threshold, play will be interrupted.

There will always be downpours that overload a field’s drainage system. No amount of slope, porous rootzone, or subsurface drainage network has a perfect record when it comes to unusually heavy rainfall. They do, however, go a long way toward preventing unplayable conditions.