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Daihatsu's versatile Multipurpose Off-Road Utility Vehicles, named Hijet, have been satisfying their owners for over 14 years in the United States. Hijets are used in many off-road environments including Golf Courses, Recreational Parks, Orchards, Nurseries, Resorts, Railroad Yards, Ranches, Retirement Communities, Airports, Industrial Sites, College Campuses, Hospital Facilities and Military Installations.

INCREASED PRODUCTIVITY

Ask any Hijet Owner. Thanks to outstanding quality of materials and workmanship, Hijet operates at maximum efficiency 24 hours a day, 7 days a week. Every Hijet is powered by a fuel efficient, whisper-quiet, 3-cylinder, 30 HP, water cooled engine. Heavy duty features also include a 4-speed manual synchromesh transmission, auxiliary (sub) transmission, rack and pinion steering, 12 volt electrical system, full transistor ignition system and 4 wheel braking. The result . . . increased productivity.

TWO OR FOUR WHEEL DRIVE

Hijet also offers both 2WD and 4WD models. 4WD is available on all body types except the Cut-A-Way. Wet turf, steep inclines, mud, sand and snow are no problem for Hijets equipped with 4WD. With the push of a button you can have four wheel traction. The choice is yours.

JUMBO CAB

The interior of the Jumbo Cab is 11 inches longer and 3 1/2 inches higher than a conventional Hijet cab. The Jumbo Cab also offers adjustable reclining seats and a large sliding rear cab window. If you require additional interior cab space . . . the Jumbo Cab is the answer.

LIFTPICK/TIPPER **3IN1**

The unique Hijet Liftpick/Tipper is three utility vehicles in one. It's a basic cargo vehicle . . . a hydraulic dump vehicle . . . and a hydraulic platform scissor lift vehicle. A simple lever movement is all it takes to select the desired function.

ACCESSORIES

A Security Patrol Package, Refuse Box, Mechanical PTO, Auxiliary Rear Springs, Spark Arrestor and Heavy Duty Bed Mounted Tool Storage Box are only a few of the accessories which are offered to meet your specific needs.

A COMMITMENT TO EXCELLENCE

Daihatsu is committed to your complete satisfaction. We back every Hijet with a national parts and service organization capable of delivering within 24 hours or less. A telephone call is all it takes for information or assistance.

Discover why
DAIHATSU HIJET is a
World Class Leader.
Call **1-800-777-7070**



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Supplier to Federal Agencies



The HIJET is UL Classified (Type G industrial truck-fire hazard only) and conforms to certain US regulations (requirements for type G industrial trucks pursuant to Section 1910.178 of the Occupational Safety and Health Administration regulations) and meets requirements for Section B56.8-1981 of the American National Standards Institute (ANSI).

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Experienced sod growers and professional turf managers know there are measurable differences between turf varieties . . . differences in overall turf quality, color, summer density, shade performance and more. As the ratings shown here prove, Chateau Kentucky Bluegrass has consistently outperformed some of the most popular bluegrass varieties.

So, for truly premier turf year after year, choose Chateau Kentucky Bluegrass. Strength of breeding always shows.



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RESEARCH, INC.

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Turf Quality

NATIONAL TURFGRASS
EVALUATION PROGRAM 1986

VARIETY	AVG. SCORE
Chateau	6.0
Classic	5.9
Challenger	5.8
Ram I	5.7
Julia	5.7
Eclipse	5.6

Rated 1-9; 9 = Best

Turf Color

LINCOLN NEB.-2 YR. MEAN

VARIETY	AVG. SCORE
Midnight	7.9
Chateau	7.0
Baron	6.9
Fylking	6.8
A34	6.5

Rated 1-9; 9 = Dark Green

Summer Density

NATIONAL TURFGRASS
EVALUATION PROGRAM 1987

VARIETY	AVG. SCORE
Chateau	7.3
Challenger	7.2
Bristol	7.1
Julia	7.0
Liberty	6.8
Nassau	6.6

Rated 1-9; 9 = Maximum Density

Shade Performance

MARYSVILLE, OH 1981-82

VARIETY	AVG. SCORE
Chateau	2.32
Eclipse	2.20
Birka	2.01
Glade	1.65

Rated 1-4; 4 = Best



For additional information,
see your distributor or dealer, or
write to Fine Lawn Research, Inc.
4900 Blazer Pkwy. Dublin, Ohio 43017

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VOLUME SEVEN, NUMBER TWO

FEBRUARY 1991

MAIN EVENTS

12 POLO: THE ULTIMATE CHALLENGE IN TURF MANAGEMENT

More than 250 groundskeepers in the United States bear the responsibility of building and maintaining huge, ten-acre fields which must stand up to the pounding of 1,200-pound horses. Despite this regular beating, the turf surface must be smooth and fast to attract the best polo players in the world and protect the reputation of the club. Superintendents of two of the nation's most prestigious clubs reveal what it takes for their clubs to be competitive and profitable.

18 THE EFFECT OF WATER QUALITY ON IRRIGATION COMPONENTS

Water quality can have a significant influence on the life and reliability of irrigation components. Whether water is obtained from treatment plants, wells, rivers, or lakes, superintendents and groundskeepers need to be aware of potentially damaging chemicals or particles flowing through their irrigation systems. Manufacturers suggest that filtration and more frequent maintenance of valves and heads can assure the reliability of most systems using reclaimed water. They are also developing color-coded components to alert water users to the special needs of dirty water systems.

21 MODERN WEED CONTROL STRATEGIES

Herbicide effectiveness, selection, and application methods are being evaluated by many turf managers as they strive to do their part in protecting their employees and the environment. A fresh look at new and existing herbicides is presented to help them decide how to control weeds at the lowest rates and with the least number of applications.

LINE-UP

- 8 FRONT OFFICE
- 8 EVENTS
- 32 CHALKBOARD
- 26 ROOKIES
- 34 SCOREBOARD

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COVER: The Pegasus team in blue plays the Macanudo team at Greenwich Polo Club. Photo courtesy: Greenwich Polo Club, Inc.

NO NEED FOR RESODDING

...since starting the Regal Program.



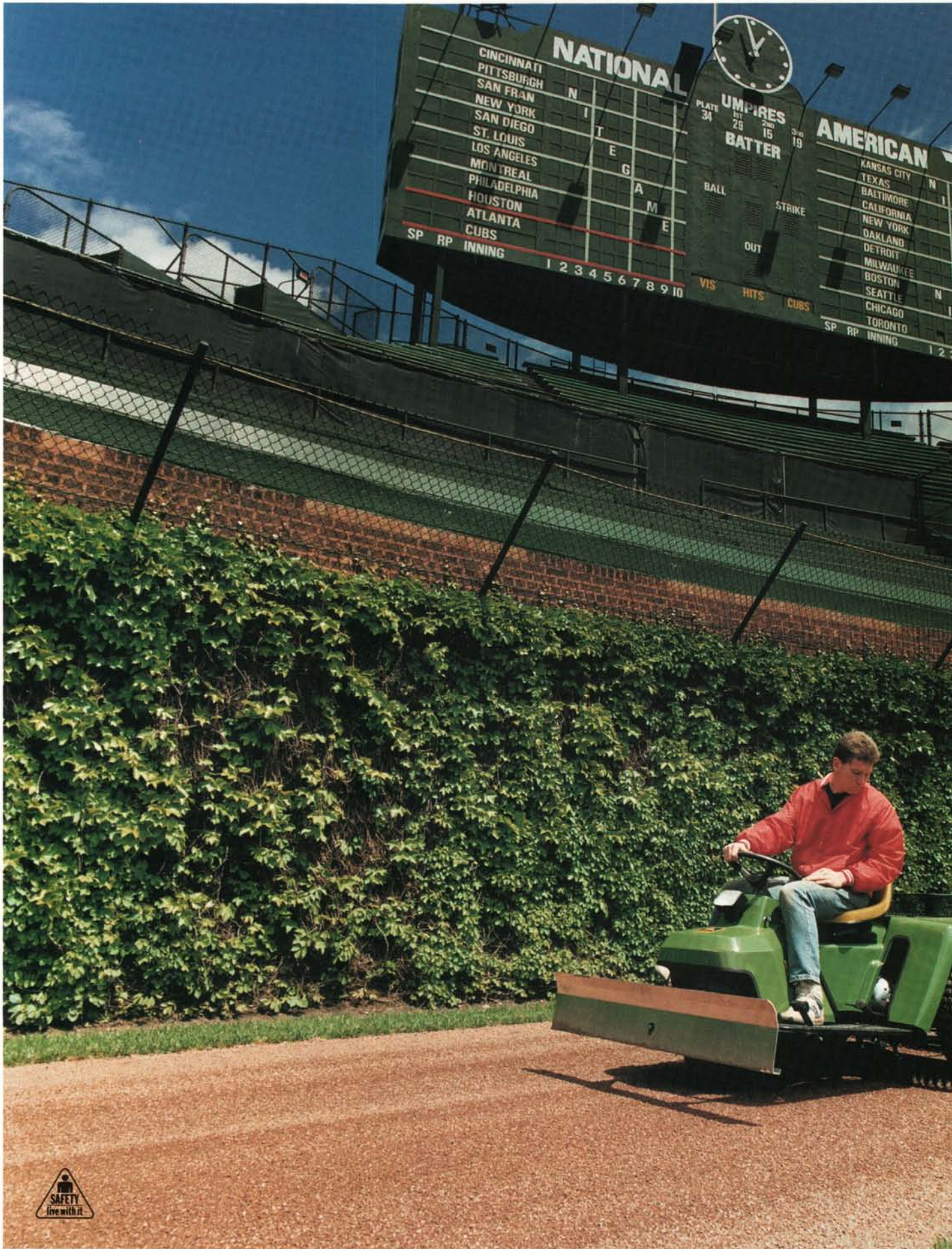
Athletic field managers are dead serious about the turf quality on their playing fields. Most will accept nothing less than the finest possible turf. These managers accomplish their goals with turf products from Regal Chemical Company.

Many turf managers found that the heavily used areas of their fields required resodding annually because the turf could not rebound from the damage of play. Since starting the Regal Program, no resodding has been necessary. They feel that by using RegalStar™, Regal Crown, and Multigreen II, they get deep, durable roots of maximum density and vigor, the best ratio of soluble micro nutrients and natural sugars, and a thick, rich green, weed-free top side. They know this combination is the reason their turf can stand the stress and rebound quickly without resodding.



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THE FRONT OFFICE

OPINION PAGE

A BETTER BRAND OF FOOTBALL



Just as we were proofing the last pages of this issue, a FAX came in confirming a rumor that the New England Patriots were switching to natural turf at Foxboro Stadium. This summer, after Randall & Blake, Inc., completes the new field at Foxboro, half of the National Football League's 28 franchises will play their home games on bluegrass or bermudagrass.

Leave it to Victor Kiam to shave off the seven-year-old SuperTurf to make an impact on professional football. "This decision is in the best interest of not only the Patriots football players, but also players around the NFL," said Sam Jankovich, the team's CEO. "Such a surface is conducive to a better brand of football."

That sentiment is not new. The first issue of sportsTURF in September 1985 led off with a debate about natural versus artificial turf. The NFL Players Association has been fighting for natural turf for most of the past decade.

I always believed that artificial turf deserved a fair trial. Now, I think the jury, made up of coaches and players, has delivered its verdict. It is, unless you have a dome, natural turf is the way to go. Even this ruling is being challenged with some new technology to make unitized, transportable natural fields for indoor facilities.

Much of the credit for the improvement of natural surfaces must go to today's sports turf manager. He has acquired the skills to manage field damage, compaction, and drainage. He has regained the support of players and coaches. Furthermore, he has earned the respect and confidence of management.

Backing him up are agronomists, specialized contractors, and suppliers who have known all along that they could overcome almost all objections to natural turf. Until recently, all that was lacking was the support and encouragement of stadium operators. Once the Bears took a firm stand in Chicago, got the natural turf they wanted, and proved it works, other teams gained the courage to make the switch. The success of the 49ers at Candlestick and the vast improvement of training facilities have also helped the cause.

Natural turf has not been given a chance indoors since the Astrodome. All seven domes and seven of 21 open-air stadiums have artificial surfaces. However, a lot has changed since these fields were built.

The Patriots' new field will be heated with electrical cables and will drain more than five inches of water in an hour, states architect Dan Almond. "We know that practice fields of the same construction can withstand heavy use," he adds.

Almond warns, however, that stadiums converting from artificial to natural turf must hire groundskeepers with up-to-date knowledge of sports turf management. "You are essentially dealing with one huge golf green exposed to considerable abuse," he remarks. "The groundskeeper must be a scientist and an artist. He must be well-educated and experienced to handle the job."

The more franchise owners listen to their players, the more grass stadium fields we'll see. Sports turf managers will then set the stage for a better brand of professional football.

Bruce F. Shank

EVENTS

CALENDAR

FEBRUARY

19-20 Northeastern Pennsylvania Turf & Grounds Maintenance School, Luzerne County Community College, Nanticoke, PA. Contact: William Pencek, Lackawanna County Coop Extension, 200 Adams Ave., Scranton, PA 18503, (717) 963-4761.

21-22 Landscape Industry Conference, Holiday Inn I-70 East, Denver, CO. Contact: Associated Landscape Contractors of Colorado, 3895 Upham St., Suite 150, Wheat Ridge, CO 80033, (303) 425-4862.

26-27 Golf Course Irrigation Seminar, Renton, WA. Contact: Golf Course Superintendents Association of America, 1617 St. Andrews Drive, Lawrence, KS 66047-1707, (800) 472-7878.

26-28 Western Pennsylvania Turf Conference, Pittsburgh Expo Mart, Monroeville, PA. Contact: PTC, Landscape Management Research Center, Orchard Rd., University Park, PA 16802, (814) 863-3475.

MARCH

1 Seminar on Recreation, Golf, Sports and Landscape Turf Management, Cuyamaca College, El Cajon, CA. Contact: Bill Mitchell or Michael Hall, Cuyamaca College, Ornamental Horticulture Dept., 2950 Jamacha Rd., El Cajon, CA 92019-4304, (619) 670-1980.

5 Massachusetts Turfgrass Conference, Springfield Civic Center, Springfield, MA. Contact: Dr. Joe Troll, P.O. Box 489, Hadley, MA 01035, (413) 549-5295.

11-12 Regional Sports Turf Seminar, Omaha, NE. Contact: NIPGM, P.O. Box 1936, Appleton, WI 54913, (414) 733-2301.

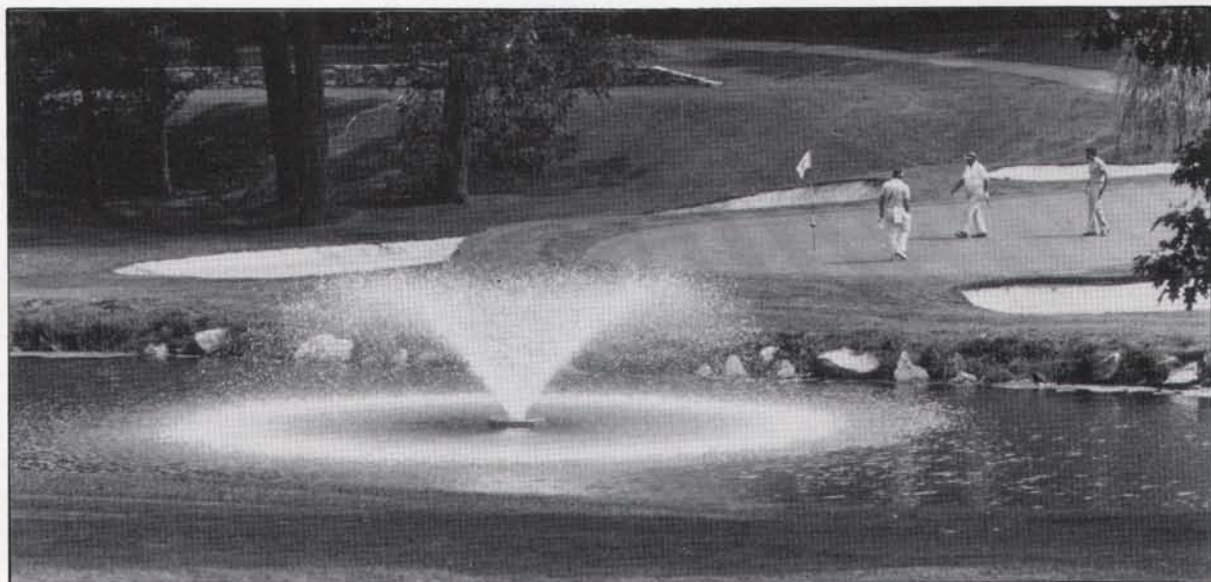
14-15 Regional Sports Turf Seminar, Baton Rouge, LA. Contact: NIPGM, P.O. Box 1936, Appleton, WI 54913, (414) 733-2301.

19 Sports Turf Institute and Grounds Operations Conference, Cal Poly, Pomona, CA. Contact: Kent Kurtz, Dept. of Horticulture, Cal Poly University, Pomona, CA 91768, (714) 869-2219.

Send announcements on your events two months in advance to editor, *Golf & SportsTURF*, P.O. Box 8420, Van Nuys, CA 91409. Fax: (818) 781-8517.

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Photo — Lehigh Country Club