



# JUMBO CAB

*with  
Utility Body*



The Hijet Jumbo Cab Utility Body is constructed of 16 gauge electro-galvanized steel. Each lockable side compartment has 20 square feet of storage, a fixed divider shelf, a drop down double walled 18 gauge steel work table with chain supports and a weather resistant lid supported by pressure cylinders. A removable ladder/pipe rack is also standard equipment.



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

Security for each compartment is maintained by the use of two-point locking rods which are actuated by a stainless steel handle assembly with flush "T" handle tumbler style locks. The **OPTIONAL** two piece cargo bed security cover with lockable rear lid provides an additional 24 cubic feet of controlled cargo area. The weight of the Hijet Jumbo Cab Utility Body, with **OPTIONAL** cargo bed security cover, is approximately 280 lbs.



IF THE QUESTION IS ... VERSATILITY,  
THE ANSWER IS ... **HIJET**



Daihatsu America, Inc.  
4422 Corporate Center Drive  
Los Alamitos, CA 90720



DESIGNED EXCLUSIVELY FOR INDUSTRIAL, AGRICULTURAL AND TURF MAINTENANCE APPLICATIONS. NOT CERTIFIED FOR ON-THE-ROAD USAGE IN THE UNITED STATES.



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).



# To Save Reapplication Costs Apply Just



ONCE™ eliminates labor and other costs of fertilizer re-applications because you apply it only once per season.

This improves manpower forecasting and frees your time for other projects. Plus, you get consistent, superior turf and ornamental growth with no “feast or famine” effects of other fertilizers.

ONCE was developed using our OSMOCOTE® resin coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously—every day—for a full season.

Because release is based *only* on temperature—not water, pH, or bacteria as with other fertilizers—nutrient availability matches turf and plant growth needs.

ONCE is available now in a variety of analyses and 8-9 and 5-6 month longevities. There is also a formula specifically for ornamentals.

Contact your Grace-Sierra turf/landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**



### STAFF

PUBLISHER **MARK ADAMS**  
ASSOCIATE PUBLISHER/EXECUTIVE EDITOR  
**BRUCE F. SHANK**  
SENIOR EDITOR **JAMES GREGORY**  
MANAGING EDITOR **MATTHEW TRULIO**  
ASSOCIATE EDITOR **MICHELLE D. STERBAKOV**  
DIRECTOR SALES/MARKETING **ANDREW BROZEK**  
ART DIRECTOR **SUE NOBLE**  
PRODUCTION **PAM RITCHIE**  
CIRCULATION DIRECTOR **DENISE ALLEN**  
FULFILLMENT **SUE LAGOMARSINO, IRENE PRASTIO**  
ADVISORY BOARD **ED BIRCH, TOM COOK,**  
**WILLIAM DANIEL, VIC GIBEAULT,**  
**DON HOGAN, HENRY INDYK,**  
**WILLIAM KNOOP, JOHN LIBURDI,**  
**MIKE SCHILLER.**

### ADVERTISING AND EDITORIAL OFFICES

P.O. BOX 8420, VAN NUYS, CA 91409 / 818-781-8300

### SUBSCRIPTION RATES

ONE YEAR \$30  
TWO YEARS \$45  
FOREIGN (ONE YEAR) \$50



AN ADAMS COMMUNICATIONS CO.  
6913 VALJEAN, VAN NUYS, CA 91406  
(818) 781-8300, FAX (818) 781-8517

### OTHER GOLD TRADE PUBLICATIONS

LANDSCAPE & IRRIGATION  
ARBOR AGE  
IRRIGATION JOURNAL  
LANDSCAPE DESIGN



Golf & sportsTURF Magazine  
(ISSN 1049-0000)  
is published monthly by Gold Trade Publications, Inc. Material in this publication may not be reproduced or photocopied in any form without the written permission of the publisher.  
Copyright © 1991. Member of the Business Publications Audit of Circulation, Inc.

SECOND CLASS POSTAGE PAID at Van Nuys, CA

Postmaster: Please send change of address to  
Golf & sportsTURF, P.O. Box 8420, Van Nuys, CA 91409.

## MAIN EVENTS

### 8 GOLF COURSE GROW-IN: WHAT TO DO AFTER THE CONTRACTOR LEAVES

Many of the potential problems of golf course grow-in can be avoided by hiring the superintendent while construction is underway. Consultant Bud White outlines important areas of cooperation before and after the contractor leaves the course. White stresses that the golf course is only half built when the contractor departs.

### 16 UTILITY VEHICLES: GOING THE DISTANCE

Economy and versatility are the keys to utility turf vehicle selection today. With the variety of vehicles on the market, sorting through the options available can be an arduous task. This article outlines the options described by major manufacturers and their advantages.

### 23 BUCKY FREEMAN FIELD: THE STUFF OF DREAMS

Inspired during a New York State Turf Association seminar, Steve Johnson swore he would win the Baseball Diamond of the Year Award for Ithaca College one day. In less than three years, Johnson achieved his goal by winning the 1990 award in the collegiate category. This story describes his techniques and motivation.

## LINE-UP

6 FRONT OFFICE

6 EVENTS

30 ROOKIES

34 SCOREBOARD

**COVER:** Wetlands preservation is an increasing factor in golf course construction and grow-in today. Photo courtesy: Bud White.



# For Consistent Superior Growth Apply Just



ONCE™ gives you consistent, superior turf color and growth because it feeds continuously—all season.

ONCE eliminates the “feast or famine” effects of conventional fertilizers. This insures uniform, superior growth—with even mowing cuts. And minimal nutrient pollution.

ONCE was developed using our OSMOCOTE® resin coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously—every day—for a full season.

Because release is based *only* on temperature—not water, pH, or bacteria as with other fertilizers—nutrient availability matches turf and plant growth needs.

ONCE is available in a variety of analyses and 8-9 and 5-6 month longevities.

ONCE. Contact your Grace-Sierra turf/landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**



# THE FRONT OFFICE

OPINION PAGE

## GOLF BEGAN SIMPLE—WE MADE IT COMPLEX

**O**n a recent trip to Oregon, I had the unique pleasure of witnessing some of the old, simple aspects of community golf. My guide was Tom DeArmond, a former seed grower. Today he owns Oregon Turf & Tree Farms and Prograss, a lawn care company.

Hidden on the back roads of seed country is a nine-hole course that has not changed since the Great Depression. For two bucks a day (honor system) you can play all the golf you want, that is if you don't mind the sand greens, a few weeds on the fairways, and carrying your own clubs. Dragging the greens, which are really made of loose, sandy clay like a baseball infield, before you putt is quite an experience.

The course has no irrigation system, hasn't been fertilized in two years, and does not have a full-time superintendent. Its operating budget is less than \$13,000 a year. The land is worth about \$100,000 by today's standards and is owned by 80 or so shareholders, most of whom inherited their shares. DeArmond inherited one share from his father.

I'm not suggesting that we should return to the days of sand greens and dirt cheap fees. But I do think that we may want to remember that golf began simple. We made it complex.

The recent recession and heightened concern over pesticides have forced the golf and sports turf industries to substantiate their methods. We need to sharpen our pencils a little more when we weigh costs versus benefits. We also need to gain control over some of our competitive urges and refocus ourselves on the users of golf courses, athletic fields, and recreational facilities.

The impression I've gotten from recent letters and phone calls is that many superintendents recognize a certain degree of overkill in competing with other courses. Keeping up with the Joneses is not always cost justified.

One case that ended up in court involves a golf course greens committee that fired its superintendent and sued its irrigation contractor. The dispute arose because the course's updated irrigation system was designed for the moist, humid environs of the Midwest. Records show that the course's greens actually required irrigation less than 30 days a year. The committee, however, expected a system like those found on desert courses. It refused to pay the contractor and spent an additional \$200,000 to buy a more entailed system.

In another case, a course replaced three seven-gang fairway mowers with lightweight five-gang units. Two additional mowers and operators were needed to mow the same amount of turf. Play has not increased enough to support the extra expense. The difference had to be made up by increasing greens fees.

Mistakes like these are not the fault of the products. They are human errors caused by insufficient forethought. Unfortunately, the golfer often ends up paying for others' mistakes.

Like DeArmond, our livelihoods depend upon chemicals and equipment. Today we all need to be more aware of the costs of turf maintenance and the safety of the chemicals we use. Our future depends on our actions. The alternative is to return to sand greens.



Bruce Shank

# EVENTS

CALENDAR

## MAY

**15** North Carolina Turf and Landscape Field Day, Turf Field Center, Raleigh, NC. Contact: R.H. White, NCSU, P.O. Box 7620, Raleigh, NC 27695-7620, (919) 737-7615.

## JUNE

**24-25** Annual Turfgrass Summerfest, Washington State University Puyallup Research and Extension Center, Puyallup, WA. Contact: Northwest Turfgrass Association, P.O. Box 1367, Olympia, WA 98507, (206) 754-0825.

**27** Field Day, Cornell University, Ithaca, NY. Contact: New York State Turfgrass Association, P.O. Box 612, Latham, NY 12110, (800) 873-8873.

## JULY

**28-30** International Power Equipment Expo, Outdoor Power Equipment Institute, Kentucky Fair and Exposition Center, Louisville, KY. Contact: Expo '91, (800) 558-8767 or (502) 473-1992.

**29** Turfgrass Field Day, South Farm, University of Missouri, Columbia, MO. Contact: Missouri Valley Turfgrass Association, 344 Hearnes Center, University of Missouri, Columbia, MO 65211, (314) 882-4087.

**31-2** American Sod Producers Association Summer Conference and Field Day, Red Lion Inn-Lloyd Center, Portland, OR. Contact: ASPA, 1855-A Hicks Road, Rolling Meadows, IL 60008, (708) 705-9898.

## NOVEMBER

**19-20** Southern Grounds & Turf Maintenance Exposition and Conference, Myrtle Beach Convention Center, Myrtle Beach, SC. Contact: South Carolina Board for Technical & Comprehensive Education, 111 Executive Center Drive, Columbia, SC 29210, (803) 737-9355.

## DECEMBER

**2-4** The 38th Annual Turfgrass Conference, Denver, CO. Contact: Rocky Mountain Regional Turfgrass Association, P.O. Box 903, Parker, CO 80134, (303) 688-3440

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.



# For Rapid Turf Recovery Apply Just



**ONCE**

SEASON LONG  
TURF FERTILIZER

GRACE SIERRA

ONCE™ promotes rapid turf recovery because it makes nutrients available continuously — *every day* — in amounts needed by turf.

This speeds turf recovery and promotes better stress and disease resistance. Plus, you get more consistent mowing cuts (no flushes) and superior turf color and density.

ONCE was developed using our OSMOCOTE® resin

coating technology, the leading controlled release fertilizer worldwide. This unique system meters nutrients continuously — *every day* — for a full season.

Because release is based *only* on temperature — not water, pH, or bacteria as with other fertilizers — nutrient availability matches turf and plant growth needs.

ONCE is available in two longevities (8-9 month,

and 5-6 month for northern climates) and a variety of analyses. There is also a Potassium-specific formula for highly stressed areas.

Contact your Grace-Sierra turf and landscape distributor or call us toll-free at 1-800-492-8255.

Use ONCE, just once, for the best results all season long.

**GRACE SIERRA**





Strategic areas vulnerable to erosion should be sodded as early as possible.

## *Golf Course Grow-In: What To Do After The Contractor Leaves*

*By Charles B. "Bud" White*

---

*Taking a new course to the point where the contractor is finished and grow-in begins is only the halfway mark.*

---

**G**olf course construction is a multifaceted operation involving many people and much expertise. Transforming a piece of unused, undeveloped property into a golf course requires a tremendous amount of time, money and coordination. It's not easy, but with proper planning and execution it can be a greatly rewarding experience.

Taking a new course to the point where the contractor is finished and grow-in begins is only the halfway mark. During the second half of the project, it is up to the superintendent and his crew to turn the infant into a playable tract as quickly and economically as possible. It's a time filled with planning, anticipating and budgeting. And the more prepared you are to do those three things, the more successful the finished product will be.

### **Get Ready**

In addition to the obvious concerns of watering, mowing, and fertilizing, growing in a golf course involves a multitude of other tasks that must be completed before the first golfer approaches the first tee.

The following list highlights what should be completed before the grow-in phase gets underway.