JACKLIN TO RELEASE BERMUDA, ZOYSIA SEED

Jacklin Seed Company is planning to enter the warm-season turfgrass market in "the near future" with improved varieties of seeded bermudagrass and zoysiagrass. A research effort led by Jacklin breeder Dr. Douglas Brede has led to the development of bermudagrasses with improved cold tolerance, earlier spring green-up, finer texture and lower growth habit. A number are already in commercial production.

The new bermudagrasses will offer many of the advantages of vegetative hybrid bermudagrasses with the convenience of seed. They are more cold tolerant because they put rhizomes deep into the soil each winter, thus avoiding exposure to cold temperatures. They are best suited to parts of the transition zone where other bermudas have been killed during the winter and cool-season turfgrasses exhibit disease problems.

Gayle Jacklin-Ward says the company has also succeeded in developing seeded varieties of zoysiagrass. A limited supply will be available by 1990 with a good supply by the following year. The new varieties are slow growing, very wear tolerant, dark green in color and tolerate a wider range of pesticides than vegetative varieties.

Zoysiagrass, the warm-season turfgrass most closely resembling Kentucky bluegrass, has only been available to sports turf managers in this country in slow-to-establish vegetative forms. For years, breeders have been trying to develop seeded varieties of zoysis so more turf managers could take advantage of the dense, low-growing turfgrass.

COMISKEY PARK HOSTS BASEBALL INFIELD CLINIC

Roger Bossard, head groundskeeper for the Chicago White Sox, opened the gates "while recreational parks should mix at a 65:35 ratio." Bossard has maintained the park for 22 years. He is also a consultant to Soldier Field and will be involved in the construction of a proposed new stadium for the White Sox to be built next to Comiskey Park.

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Dealer Inquiries Invited
At every sports event, spectators focus on two things, the athletes and the condition of the field. Both the athletes and the spectators enjoy a higher sense of enjoyment and competition when an event is played in a cool, well-groomed, verdant arena.

There is nothing more discouraging to athletes than trying to play their best on muddy, turfless sports fields. They know that it is virtually impossible to perform at their best on mud and water.

Artificial turf is not the answer. The basic problem is we simply do not have enough sports turf managers to satisfy the need. As a matter of fact, the position of sports turf manager is practically nonexistent. People who are trained in growing and managing sports fields are quickly absorbed by sales organizations and other better paying positions.

Just as every golf course has a superintendent who is responsible for the entire course and the grounds, all types of sports facilities should have a sports turf manager. Producing acceptable, injury-free turf should not be delegated to school principals, coaches, custodians or civic-minded citizens. Seldom, if ever, have these people been properly trained in the art and science of turfgrass culture.

Every school district should have an overall turfgrass manager for its entire grounds and a job description to fit these responsibilities. The same is true of many municipal park and recreation departments. They spend a great deal of money on recreational programs which put greater pressure on existing turf facilities. But ask to see their sports turf manager and you meet with blank stares. There is no such person. Many private schools, colleges and other sports facilities fall into the same category.

As a result, millions of dollars of public and private money is wasted each year. Most of these dollars are spent on unqualified or unsupervised labor, poor quality seed or sod, wrong fertilizers, heavy weed-infested soil, poorly selected chemicals, and poorly-designed maintenance equipment.

It seems that more grass is killed by poor management than it is possible to grow. This results from the wrong type of mowers, wrong height of cut, lack of sensible mowing schedules, aerification or verticutting, and bad irrigation systems and schedules.

When new fields are constructed, no knowledgeable person is on the job to see that the work is being done properly and according to specifications. Low bidders, who have little knowledge of good sports facilities, will sometimes bury stones, rocks and other debris which can surface later to cause injury.

It is time to wake up and correct this appalling situation. When administrators refuse to recognize the seriousness of this situation, insurance companies will.

There is no defense for not knowing where to turn for help. The Sports Turf Managers Association, the National Sports Turf Council, the Professional Grounds Management

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**Grounds Managers**

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Association, to name a few, are there to help. Almost every state has a turfgrass specialist to answer your question as part of the Agricultural Extension Service. We also have many excellent magazines that publish timely articles and supply information. Where will these needed sports turf managers come from? There are many people who qualify for the position of sports turf manager. It's just that no one has recognized them. They have been lost in old, archaic systems of administration. It is time to change the system and move these people into positions of responsibility and authority.

New sports turf managers will come from students entering this growing field of turfgrass management. These people, after serving as assistants under experienced managers, will be ready to take responsibility as managers themselves. Even golf course superintendents are becoming sports turf managers.

The sports turf manager should make up and administer the budget, develop forecasts of future sports needs and manage the work force for maintenance. He should have the authority to purchase the proper equipment and supplies. He should be paid a staff position salary with benefits to attract and hold him.

A sports turf manager more than earns his salary in direct savings resulting from more efficient use of labor, specifying the proper materials and better turfgrass management programs. Insurance rates can be held in line and even lowered when a knowledgeable person is in charge. Most important of all is minimizing injuries to players.

Who is responsible for fractured bones and painful injuries? Responsibility begins with the administrator at the top. Unless he moves to bring physical education programs and sports turf management into perspective, all of the blame will be on his shoulders.

No longer is there an excuse for the negligence of this nationwide problem. Information and help to set up workable sports turf management programs is only as far away as the phone.

Everyone loves sports. Everyone wants to help. But those that are knowledgeable in sports turf management can make it happen.

PORT CHARLOTTE

It is with great pleasure that I could read in your March 1988 issue of sportsTURF about one of the best groundskeepers in all of professional sports, namely Tom Burns, in your article "A Star For The Texas Rangers." I am so privileged to have had the opportunity to work with such an outstanding young man. For him, I am very happy that he is receiving some long overdue credit for his efforts in his chosen profession.

Sarge Anderson, Camp Coordinator California Angels

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YOU COULD WIN!

Why not enter your baseball field in the Beam Clay® Baseball Diamond of the Year Awards contest? No entry fee is required. You could be honored at the upcoming Sports Turf Managers Association Awards Banquet.

The Awards are sponsored by Beam Clay®, the Sports Turf Managers Association, and sportsTURF magazine in recognition of excellence and professionalism in maintaining outstanding, safe, professional quality baseball diamonds. Entries will be judged in three categories: professional diamonds; college diamonds; and school, municipal or park diamonds.

Send the information below to enter:

1. Age of baseball diamond (year of installation).
2. Geographic location (city and state).
3. Description of maintenance program.
4. Operating budget for baseball diamond.
5. Irrigation: None _____ Manual _____ Automatic _____
6. Total number of maintenance staff for field.
7. Does baseball field have lighting for night games?
8. Number of events on baseball diamond per year.
9. Types and number of events on diamond other than baseball?
10. How many months during the year is the field used?
11. Why you think this field is one of the best?
12. Include an assortment of color slides or prints of the diamond.

Deadline for entries: Entries must be postmarked no later than November 1, 1988. Selection of winners will be made by the Awards Committee of the Sports Turf Managers Association.

Mail entries to:
Beam Clay Award
sportsTURF magazine
P.O. Box 8420
Van Nuys, CA 91409

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ROOKIES

PRODUCT UPDATE

GRANULE SPREADER

The MG 10 Granule Spreader from Maruyama applies seed, fertilizer, or other dry chemicals to small areas simply and efficiently. The spreader provides uniform distribution over an 18-foot-wide range. A pattern can be set for the left or right side or for full 180-degree coverage. The hopper holds the dry equivalent of nearly three gallons.

The MG 10 has a ten-position adjustable discharge volume and tank agitator to eliminate clumps or jamming. Its lightweight, chest-carry design is convenient for uneven or difficult terrain where ground-driven spreaders can’t traverse. It’s also handy for spot seeding or treating tees, worn areas of athletic fields and banks around lakes and rivers.

MARUYAMA U.S., INC.
Circle 153 on Postage Free Card

WEATHER STATION

Water management is more precise with Buckner’s Model 39760 Weather Station. The key is the calculation of a reference evapotranspiration rate (ETo). Tied to a PC-type computer through a communication cable, it can be used in conjunction with Buckner’s COPS irrigation controller program to analyze the required station run times to satisfy turf or agricultural irrigation requirements.

Not only does the weather station provide the necessary information from the environment to properly calculate ETo, but it stores the data and provides average weather data on a daily, monthly and yearly format.

Up to four weather stations can be operated from one system. Readings are taken one every minute, averaged every hour and recorded in a daily log within the memory of the weather station.

Special features include a rain gauge that allows recording of rainfall each day. The weather station is mounted on a steel, zinc plated, powder coated pedestal with a full access door for convenient installation and easy service.

BUCKNER
Circle 155 on Postage Free Card

DEEP AERATOR

The Model 105.145 Verti-Drain alleviates the most difficult soil compaction problems. Penetration to a depth of 16 inches is possible; according to the manufacturer, this is more than two-and-a-half times deeper than other aerators on the market today.

The units, which are powered by the PTO of a Category I or II tractor, are capable of aerating up to four acres a day. Verti-Drain continuously drives solid or hollow coring tines into the soil to depths ranging from two inches to 16 inches. The rugged, patented design permits the tines to move back and forth, creating a “lifting” effect to the soil. This action combines penetration through the soil pan for vertical drainage with the shattering effect of the compacted layers for thorough aeration. The overall result is a greatly improved soil environment that allows deeper, healthier root systems.

Verti-Drain works well in all types of soils and in a wide range of applications, including golf courses, parks and playgrounds, race tracks, cemeteries, sod farms, tennis courts and athletic fields.

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KENTUCKY BLUEGRASS

A moderately low-growing turf-type Kentucky bluegrass with improved disease resistance and drought tolerance will be marketed this fall by three midwestern seed companies. Developed under a joint breeding program with Rutgers University and Jacklin Seed, Freedom Kentucky bluegrass has a medium-green color with exceptional color retention in cool weather and a healthy early-spring color.

Capable of producing an aggressive turf of medium-fine texture and moderately high density, Freedom has demonstrated excellent resistance to stem rust, melting out and red thread. It has also shown good resistance to leaf rust and dollar spot. It also exhibits strong tolerance to drought.

Freedom is well-suited for use in blends with other well-adapted persistent cultivars of Kentucky bluegrass. Desirable mixtures may also contain improved turf-type perennial ryegrasses, strong creeping red fescues, and/or improved turf-type tall fescues. These blends and mixtures are recommended for use on parks, athletic fields, institutional grounds, golf courses and school play areas in regions where Kentucky bluegrass is well-adapted for turf use.

Freedom will be marketed by Vaughan’s Seed Co., Downers Grove, IL; Beckmann Turf and Irrigation Co., Chesterfield, MO; and Arkansas Valley Seed, Denver, CO.

ALGAECIDE

Control algae effectively in lakes, ponds and waterways. Cutrine-Plus algaecide, available in liquid and granular formulations, solves problems with filamentous (moss), planktonic (suspended) and bottom-growing (chara) forms of algae without having to restrict water use for irrigation, swimming, fishing or stock watering. It is even used in drinking water reservoirs.

Specially formulated for use in all types of water qualities, this concentrated chelated copper product is environmentally compatible and economical to use. Depending upon types of algae present and water depths, typical dosage rates range from 2 to 4 gallons per acre.

DISEASE DETECTION KIT

Agri-Diagnostics has developed simple kits which sports turf managers can use to detect the likelihood of three leading turf diseases, brown patch, dollar spot and Pythium blight.

While the kits are easy to use, they are based upon a complex scientific reaction between disease organisms present in the turf and antibodies produced by plants to fight them. The company has reduced a laboratory procedure down to a simple litmus test in which a test strip is inserted into a solution of ground-up turfgrass tissue. A small meter is used to read the darkness of the strip to reveal the level of fungi present.

Repeated during the growing season, the test can warn the turf manager when fungicide applications should be made or repeated. It can also report when applications are not necessary saving both time and money. It allows turf managers to make more timely and accurate disease management decisions, which would enhance the benefits of fungicides and slow the development of resistant strains of fungi.

AUTO-STYLE DASHBOARD

The 1988 four-wheel PARCARS feature a new automotive-style console/dashboard. A convenient dash-mounted key switch controls forward and reverse directions. You choose the direction the golf car goes with the turn of the key.

The dashboards have added space in which a security glove box or stereo may be mounted. Other conveniences include extra ball holders for golfers and drink holders enlarged to fit any-size drink.
Even in shade

ECLIPSE
KENTUCKY BLUEGRASS
outshines them all.

Eclipse can be a consistent answer for color, density, disease and shade resistance.

Year after year this low-growing dwarf variety with its beautiful dark green color, great density and improved shade tolerance is in great demand. Improved disease and insect resistance are two more advantages.

Eclipse truly outshines them all and is available from these sources.

Garfield Williamson, Inc., 9 Stewart Place, Fairfield, NJ 07006
800/435-LAWN • 201/882-7755

Geo. W. Hill & Company, P.O. Box 787, Florence, KY 41042, 606/371-8423

Jacklin Seed Company, W. 5300 Jacklin Avenue, Post Falls, ID 83854-9490, 800/635-8726 • 208/773-7581

Peterson Seed Co., Inc., P.O. Box 346, Savage, MN 55378, 800/328-5998 • 612/445-2606

Rothwell Seeds (in Canada), P.O. Box 511, Lindsay, Ontario, Canada K9V 4S5, 705/324-9591

Eclipse has been granted U.S. Plant Variety Protection Certificate No. 8000154 and Canadian License No. 2391.
Golf course logos and hole numbers can be easily highlighted and identified with the new Wedge Tee Marker. The marker is made of tough, weather-resistant Cycolac, providing for long durability.

Molded finger grips make the marker easy to place and to move. It is anchored by a sturdy galvanized steel stake, and has a wide, highly viewable surface—making it ideal for screen process printing or for the application of decals. It is available in red, white, blue or yellow.

Dixie Chopper mowers now feature full hydrostatic drives. Available in 42-inch, 50-inch, and 60-inch sizes, these new models eliminate all drive chains and sprockets.

The 42-inch model is the most powerful in its class and is heavily constructed to meet the requirements of commercial cutters. Features include one-piece formed steel frame, twin path hydrostatic axle and electric mower drive clutch. The sports turf manager has a choice of 16 or 18 hp Kohler engines.

The Turf Lab Model TL-1 test kit provides on-site evaluations of turf-grass soils. An improved colorimetric test method is used to achieve quantitative measurements for pH and phosphorous. Utilizing an Octa-Slide comparator, permanent translucent color standards are compared to clear liquid test samples for more accurate readings.

The Turf Lab checks potassium levels by using a unique turbidity reading device. Each test kit includes reagents for 200 total tests, a six-inch brass soil sampler, soil report forms and a copy of the 60-page LaMotte Soil Handbook. All components fit into a rugged carrying case for use in the field or in the lab.

The vibrating blades on Yeager-Twose Turf Conditioners break up subsurface compaction as deep as eight inches with minimal surface disturbance and without pulling plugs. The playing surface can be used immediately after cultivation.

The blade depth can be set from one to eight inches. Adjustable pressure rollers level and firm the edges of slits behind the blades.

Benefits include no messy plugs, the promotion of healthy root development, a dramatic increase in water percolation, the promotion of aeration and better drainage, and better penetration of fertilizers and chemicals.

Two models are available, a 27-inch wide model and a 70-inch model.

Amazon Kentucky bluegrass is now available in the United States. A dwarf variety from Sweden, Amazon was a winner in turf quality ratings at the University of Beltsville and the University of Manitoba. It also tied for first place in national drought tolerance tests, an important factor in any competitive turf seed mix today.

Amazon sports a medium dark green color and greens up early in the spring. It performs well in seed mixtures and under relatively low mowing heights.