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One of the first domestic varieties granted a Plant Variety Protection Act Certificate, Sabre is a dark green, fine-bladed turf grass that creates an absolutely superb green when overseeded on dormant turf such as Bermuda.

A rapid germinating variety, Sabre is a perfect overseeding companion for the turf-type ryegrasses and fine fescues. In an overseeding mixture Sabre has the additional advantage of reducing the seeding rate by as much as 50%.

Normal overseeding rate for either the turf-type ryegrasses or fine fescues is 35-40 lbs. per 1,000 square feet.

However, the seeding rate of either a ryegrass or fine fescue overseeding mixture which includes 20% Sabre (by weight) can be reduced to 18 lbs. per 1,000 square feet.

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The book contains 150 illustrations and 96 color photographs. Data includes 240 tables and forms. Included are specifications for rootzones, employment, calculations for chemical applications, and extensive metric-imperial conversion. Business and technical aspects of turfgrass management are covered in this 424-page book. Planning, purchasing, hiring, construction, and plant selection are put together for easy on-the-job reference. Markets covered include lawn care, sod production, golf course management, cemeteries, athletic fields, and low maintenance areas. If it concerns turf, it’s in the Turf Managers’ Handbook.

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Events from page 72

Nurserymen, 1419 - 21st Street, Sacramento, CA 95814, 916/448-2881.


Central Coast Turf Day, California Polytechnic State University, San Luis Obispo, CA, Oct. 1. Contact Ronald D. Regan, Head, Ornamental Horticulture Department, CPSU, San Luis Obispo, CA 93407, 805/546-0111.


Horticultural Tour to China, Oct. 5-18. Contact Lanny E. Walker, Public Relations Director, California Association of Nurserymen, 1419 21st Street, Sacramento, CA 95814, 916/448-2881.

Northern Michigan Turf Managers Association meeting, Pinconning, MI, Oct. 6. Contact C. E. "Tuck" Tate, President, NMTMA, 1147 Santo, Traverse City, MI 49684, 616/947-9274.

Central Plains Turf Foundation/ Kansas State University Turf Conference, Manhattan, KS, Oct. 6-8. Contact Dr. Robert Carrow, Kansas State University, Dept. of Horticulture, Waters Hall, Manhattan, KS 66506, 913/532-6170.


Florida Turf-Grass Association 29th Annual Conference and Show, Orlando, FL, Oct. 18-22. Contact Beth Eyman, FTGA, 1520 Edgewater Drive, Suite E, Orlando, FL 32804.


Professional Grounds Management Society Annual Conference and Trade Show, Marriott Hotel, Portland, OR, Oct. 31-Nov. 4. Contact Allan Shulder, Executive Director, Professional Grounds Management Society, 7 Church Lane, Pikesville, MD 21208, 301/653-2742.

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Optional cab enclosure and pressurizer for optimum operator comfort. Vacuum wand/blower available for cleaning along parking curbs, fences and other areas that might ordinarily require a separate specialized machine. Choice of gas or diesel engine. For a free, colorful brochure, write: Tennant Company, 701 N. Lilac Dr., P.O. Box 1452, Minneapolis, MN 55440.

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Conwed® Hydro Mulch 2000 fibers were six times more effective in controlling erosion than other fiber mulches in an impartial university test. That could mean six times more protection for your investment in seed, fertilizer, and labor, so you can minimize costly post-job repairs and redos.

As the chart below confirms, Hydro Mulch 2000 fibers were test-proven to have superior soil holding power.

<table>
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<th>PRODUCT</th>
<th>&quot;APPARENT&quot; EROSION RATE (Soil Loss)</th>
<th>Equivalent Pounds/Minute*</th>
<th>Tons/Acres/Hour</th>
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<td>CONWED HYDRO MULCH 2000 FIBERS</td>
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<td>Mulch applied at 1600 pounds per acre</td>
<td>0.14</td>
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<td>AVERAGE OF OTHER MULCHES</td>
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<td>Mulch applied at 1600 pounds per acre</td>
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<td>BARE SOIL (control plot)</td>
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*Testing was done on a 2:1 slope. After soil preparation, the plots were seeded and mulched in one operation and allowed to lay overnight. Simulated rain controlled at the rate of four inches per hour was applied until a targeted deterioration of the surface occurred. Product effectiveness was evaluated by "apparent" rate of erosion which was calculated by dividing the total time until deterioration by the weight of the material eroded.

This natural wood fiber mulch is premixed with a highly effective soil stabilizing tackifier for convenient one-step application. It's ideal for hydraulic seeding everything from front lawns to strip mines. And, once it's down, Hydro Mulch 2000 fiber enhances germination by protecting seeds from temperature fluctuations and evaporation of soil moisture.

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For information, write Conwed Corporation, Fibers Division, 444 Cedar Street, P.O. Box 43237, St. Paul, Minnesota 55164, or phone (612) 221-1190.

Athletic from page 44

**Vented Field Covers**

Raising the temperature of the interface between the cold air above and the warm soil below may greatly improve the rate of turfgrass growth under marginal weather conditions. Vented field covers made of clear plastic sheeting (¼ inch perforations spaced 6 inches apart) have proven useful in increasing the temperature below the interface. These covers are easy to apply, can be left on the turf for long periods of time, and allow rain to enter the rootzone. The covers can increase the growing season by 30-60 days in late fall and early spring.

Numerous "raincoat" coverings have been used to protect soil from excess rainfall prior to game time. However, moisture tends to condense under the surface of the solid plastic sheets which results in a wet playing surface, and any holes or loose edges that allow the entry of rain water tend to cause excessively wet spots. Further, the heavy covers require considerable manpower and time to spread.

At least 16 of the major stadia in Sweden have powered rollers by which the plastic field covers are removed. These are stored within one section of the soccer fence during the games and throughout the summer months. A plastic covering used for this purpose may last three to six years, depending on the ultraviolet light inhibitors incorporated. Plastic sheeting, without perforations, must be removed during bright warm days to prevent killing of the turfgrass.

Covers reinforced with nylon or of other woven fibers provide increased strength and resistance to tearing. Experience with plastic sheets perforated at 2, 6, and 8 inch intervals indicates that the 6 inch spacing is most satisfactory. The 6 inch perforations allow some venting, permit water to enter and reduce the adverse effects of wind on the large sheets.

**Colorants**

Latex based colorants are widely used on athletic fields. The white spray paint has largely replaced the lime dusts for official line markings. The logos of teams and stadia are emblazoned in colors in the endzones. The sidelines are color coded for player information. Entire fields (especially those of dormant bermudagrass) have been sprayed green. Green sawdust has been added to bare areas for color effect. Entire fairways have been sprayed prior to television coverage of winter golf. Home lawns of zoysia or bermuda are sprayed in the fall following the first frost, then retouched in early spring for added color.

Trade names of turfgrass colorants on the market include Everbright, Greenstuf, Greenzit, Stayz-Green, Sta-Green, Vichem Green, Vitalon dark—zoysia, Vitalon light—bermuda, and Winterlawn.
Birka boots the competition in the transition zone.

Birka's kicking up quite a fuss with attractive appearance, low maintenance and consistent hardiness in Kentucky bluegrass adaptation areas of the U.S. This dark green, narrow-leaved variety overcomes adversity without dominating the mix. Birka is ideal for use in Maryland and Virginia.

In addition, Birka has shown a healthy resistance to leaf spot, Fusarium, stripe smut, and rust during many years of trials. Birka: a gorgeous answer to reduced maintenance costs. At your local wholesale seed distributor.

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(minus 29 of the toughest kinds of weeds)

All it takes is one application, and your weed control job is done for the season. And so are 29 of the hardest-to-kill varieties of broadleafs.

**BANVEL** plus 2,4-D is a versatile combination you use anytime from early spring to late fall. It kills by penetrating both leaves and roots, so weeds can’t come back.

Mixes quickly, stores well. Use it according to directions, and your weed worries are over for the year.

Ask your Velsicol distributor about BANVEL 4S, too. Or write Velsicol Chemical Corporation, 341 E. Ohio Street, Chicago, IL 60611.

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**Three-week control of disease** is now possible with Subdue 2E from Ciba-Geigy. It will control pythium blight in established turf when applied as a preventative treatment at a rate of 1-2 ounces in 3-5 gallons of water per 1,000 square feet. In newly seeded areas, rates. The insecticide, developed by American Cyanamid Company, has received EPA registration for use on pasture and range grass, lawns, turf and non-agricultural land. Amdro is still undergoing tests for residue in crops.

Amdro is a slow-acting stomach insecticide, formulated on a corn grit using soybean oil as the bait, which attracts the fire ants. It works by becoming part of the ant food chain when carried back to the colony by worker ants. Either mound-to-mound or broadcast application is acceptable, but not more than 1 1/4 lbs. of Amdro should be applied per acre. Amdro is now available in 1 lb. and 25 lb. packages.

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**Hydraulic lift PTO mowers** from Brouwer Turf Equipment Limited mow evenly and provide a smooth and even grass finish. They eliminate tractor wheel marks and reduce mowing frequency. Available in three, five, and seven gangs, all pieces can lift together. Mowers adapt to any tractor equipped with external hydraulics.

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Continues on page 82

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Remodel your present storage space, update with **NEW Stafford Vertical Bag Racks**

- Wear and tear of golf bags is completely eliminated  
- Damp bags dry faster — no mildew  
- Faster, easier storage — Provides a neat appearance  
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Your members will like the extra convenience and care. Your pro shop profits from 40% more space these racks make available. Double unit shown holds 15 bags, size 2' x 4' x 6'-6" high, gives 12" x 12" space for bags. Single unit holds 8, size 1' x 4' x 6'-6" high. Sturdy steel. Bags set solid on tapered shelves. Send us your floor measurements, we will plan a layout and quote you — no obligation. U.S. and Canadian patents. Send for folder.

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