

Cut Overseeding Rates Up To 50% with a Great Poa trivialis

There's no other turf grass quite like it.

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

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. and you'll be amazed at the beauty you have per 1,000 square feet.

An extremely shade tolerant grass, Sabre is an ideal component in an overseeding mixture because it will disappear very rapidly when the hot weather arrives, thus clearing the way for the emerging Bermuda grass to come on.

You can also count on Sabre to be free of Poa annua.



SABRE-add it to your overseeding mixture created. (Sabre - P.V.P. No. 7700104)



ERNATIONAL SEEDS, INC.

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Events from page 70

ter-West, Beltsville, MD, Aug. 26. Contact Jack Murray, USDA-SEA-BARC, Bldg. 001, Rm. 333, Beltsville, MD 20705, 301/344-3655.

University of Rhode Island Turfgrass Field Day, Kingston, RI, Aug. 26. Contact C.R. Skogley, University of Rhode Island, Dept. of Plant Science, Woodward Hall, Kingston, RI, 02881, 401/792-2570.

Northern Michigan Turf Managers Association meeting, Acme, MI, Sept. 15. Contact C. E. "Tuck" Tate, President, NMTMA, 1147 Santo, Traverse City, MI 49684, 616/947-9274.

Ornamentals Northwest Seminars, Oregon State University, Portland Memorial Coliseum Portland, OR, Aug. 28-29. Contact Dr. James L. Green, Oregon State University, Dept. of Horticulture, Corvallis, Oregon 97331, 503/754-3464.

Farwest Show, Memorial Coliseum, Portland, OR, Aug. 28-30. Contact Dan. O. Barnhart, Show Manager, Farwest Show, 0224 S.W. Hamilton, Portland, OR 97201, 503/221-1182.

ILD Interior Landscape Conference, Hyatt Hotel, Atlanta, GA, Sept. 9-12. Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/ 821-8611.

Michigan State University Turfgrass Field Day, Robert W. Hancock Turf Research Center, East Lansing, MI, Sept. 10. Contact Dr. John Kaufman, Department of Crop and Soil Sciences, Michigan State University, East Lansing, MI 48824, 517/355-2033.

Oregon Association of Nurserymen Annual Convention, Kah-Nee-Ta Lodge, Warmspring Indian Reservation, OR, Sept. 10-13. Contact Dan O. Barnhart, Executive Director, Oregon Association of Nurserymen, 0224 S.W. Hamilton, Portland, OR 97201, 503/ 221-1182.

Garden Industry of America Conference & Trade Show, Pittsburgh Convention/Exposition Center, Pittsburgh, PA, Sept. 10-12. Contact GIA, Box 1092, Minneapolis, MN 55440.

Alabama's Annual Turfgrass Conference, Auburn, AL, Sept. 14-15. Contact K. M. Sheffer, Extension Hall, Auburn University, AL 36849, 205/ 826-4985.

International Garden Trade Fair, Cologne, Federal Republic of Germany, Sept. 13-15. Contact Koln Messe, Messeplatz, Postfach 21 07 60, 5000 Koln 21, Federal Republic of Germany. Telex: 8 873 426 a mua d, Telegram Address: INTERMESS Koln, Telephone: (O221) 821-1.

Tree Foreman Training, Kent, Ohio, Sept. 14-25. Contact Richard Abbott, Davey Environmental Services, 117 S. Water St., Kent, OH 44240, (216) 673-9511.

Northern Michigan Turf Managers Association meeting, Acme, MI, Sept. 15. Contact C. E. "Tuck" Tate, President, NMTMA, 1147 Santo, Traverse City, MI 49684, 616/947-9274.

Virginia Tech Turfgrass Field Days, Blacksburg, VA, Sept. 15-17. Contact Dr. John Hall, 421 Smyth Hall, Virginia Tech, Blacksburg, VA 24061, 703/ 961-5797.

International Exhibition of Groundsmanship, Royal Windsor Racecourse, Windsor, Berkshire, England, Sept. 15-17. Contact Institute of Groundsmanship, P O Box 243 (Wolverton), Milton Keynes, Buckinghamshire MK12 2YG England.

National Lawn and Garden Distributors Association annual conference, Opryland Hotel, Nashville, TN, Sept. 15-18. Contact Nancy Irving, NLCDA, 1900 Arch St., Philaderphia, PA 19103, 215/564-3484.

Management Information System Seminar, Los Angeles, CA, Sept. 16-17. Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/821-8611.

Management Information System Seminar, Executive Inn, Seattle, WA, Sept. 18-19. Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/821-8611.

Living Plant Growers Association Annual Foliage Seminar, Queensway Hilton, Long Beach, CA, Sept. 22. Contact Lanny Walker, LPGA, 1419 21st Street, Sacramento, CA 95814, 916/ 448-2898

Pacific Horticultural Trade Show, Long Beach Convention Center, Long Beach, CA, Sept. 23-25. Contact Lanny E. Walker, California Association of

Continues on page 74



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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 nanagement, 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.

Northwest Turfgrass Conference, Olympia, WA, Sept. 28-Oct. 1. Contact Dr. Roy L. Goss, Northwest Turfgrass Association, Western Washington Research and Extension Center, Puvallup, WA 98371, 206/593-8513.

Horticultural/Archaelogical Tour to China, 24 days, Oct. Contact Thomas R. Driscoll, 718 Swedesford Rd., Ambler, PA 19002.

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.

Ohio Forestry Association Paul Bunyan Show, Hocking Technical College, Nelsonville, OH, Oct. 2-4. Contact Ohio Forestry Association, Inc., 665 East Dublin Road, Columbus, OH 43329, 614/846-9456.

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.

1981 Chemlawn Turf Symposium, Oct. 14-15. Contact Dr. B. G. Joyner, Plant Diagnostic Lab, Chemlawn Corporation, 6969 Worthington-Galena Road, Suite L, Worthington, OH 43085.

Southern California Turfgrass/ Landscape Equipment & Material Educational Exposition, Costa Mesa, CA, Oct. 14-15. Contact Ed McNeill, Southern California Turfgrass Council, 1000 Concha Street, Altadena, CA 91001, 213/798-1715.

Southwest Turfgrass Association Annual Conference, Albuquerque, NM. Oct. 15-16. Contact Arden Baltensperger, Southwest Turfgrass Association, New Mexico State University, Agronomy Dept., Box 3-Q, Las Cruces, NM 88003, 505/646-3138.

International Society of Arboriculture, New England Chapter, Annual Meeting, Sheraton-Wayfarer Inn, Bedford, NH, Oct. 18-20. Contact Oscar Stone, Editor, 84 Daniel Drive, New Haven, CT 06513.

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

New England Chapter International Society of Arboriculture Annual Meeting, Sheraton Wayfarer Inn, Bedford, New Hampshire, Oct. 18-20. Contact Oscar Stone, 84 Daniel Drive, New Haven, CT, 06513.

1981 National Safety Congress, Fertilizer and Agricultural Chemical Section, Blackstone Hotel, Chicago, IL, Oct. 19-22. Contact G.E. Harlan, Corporate Manager of Safety, Indiana Farm Bureau Cooperative Association, Inc., 120 East Market Street, Indianapolis, IN 46204, 317/631-8361.

California Association of Nurserymen Annual Convention, "Seaside Celebration." Ventura Holiday Inn. Ventura, CA, Oct. 20-22, Contact Program Administrator Richard Staples, C.A.N. Office, 1419 21st St., Sacramento, CA 95814, 916/448-2881.

Planning & Budgeting Seminar, Executive Inn, Seattle, WA, Oct. 23-24. Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/821-8611.

Interior Plantscape Association Third Annual Conference & Trade Show, Radisson Hotel, St. Paul, MN, Oct. 28-30. Contact IPA National Headquarters, 11800 Sunrise Valley Drive, Reston, VA 22091, 703/476-8550.

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.

Professional Grounds Management Society Annual Conference and Trade Show, Portland, Oregon, Nov. 1-5. Contact Allan Shulder, PGMS, 7 Church Lane, Pikesville, MD 21208, (301) 653-2742.

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Dumps from ground level to 6 ft.—directly into containers, dump trucks.



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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.

PRODUCT	(Soil	EROSION RATE Loss) Equivalent Tons/Acres/Hour
CONWED HYDRO MULCH 2000 FIBERS Mulch applied at 1600 pounds per acre	0.14	2.35
AVERAGE OF OTHER MULCHES Mulch applied at 1600 pounds per acre	0.96	16.08
BARE SOIL (control plot)	1.99	33.34

^{*}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.



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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 zyosia 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, Sta-Green, Stayz-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-leafed 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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PRODUCTS

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,



Subdue will control pythium damping off and pythium blight with the same amount in 5-10 gallons of water. One use is ryegrass overseeding on bermudagrass greens for transition. Research for the product was performed by Houston Couch of VPI, Blacksbrug.

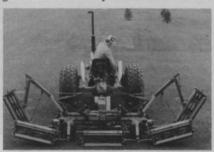
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Amdro fire ant insecticide achieves up to 90 percent kill of the dreaded fire ant when applied at the recommended rates. The insecticide, developed by American Cyanamid Company, has received EPA registration for use on pasture and range grass, lawns, 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 11/2 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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