

Overapplications of water soluble nitrogen may constitute a major source of nitrates in groundwater. This is called to your attention because golf courses and other ornamental turf are the single largest "crop" in many states.

AVOID NITRATE RUN-OFF.

Use fertilizer formulations with slow-release Nitroform 38%N to help reduce the problem of nitrate contamination. Use it not only on your greens and tees, but your fairways too. You can apply Nitroform less often, which saves labor and fuel. It also reduces costs.

NITROFORM IS ECOLOGICALLY TRUSTWORTHY.

Nitrogen in Nitroform is held in reserve until turf can use it. Then it is released by bacterial action that increases as soil moisture and temperature increase. This is when turf needs and can use it. Nitroform should be an important element in every well-planned turf fertility program because it assures sustained, highnitrogen feeding when used consistently.

INCREASE LATERAL GROWTH.

In recent tests on athletic fields, slow-release nitrogen increased lateral growth of turf rather than vertical growth. This increased turf density and resulted in fewer athletic injuries.

NO SALT BUILD-UP.

Water soluble nitrogens build up the salt level in your soil, which can eventually make it sterile. Nitroform will not build up the salt level.

LITTLE OR NO LEACHING.

University tests suggest that although water- soluble nitrogens may be cheaper on a pound-for- pound basis, it may be more economical to use slow release nitrogen

> products on turf because of leaching or volatilization of the water-solubles.

BE ENVIRONMENTALLY RESPONSIBLE. SPECIFY NITROFORM IN YOUR TURF FORMULA... OR APPLY DIRECT.

Use Blue Chip[®] for dry applications; Powder Blue[™] for liquid. Good for shrubs and trees, too. Call your turf supplier or write for more information.





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- from 70° to 340°
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For additional information about our G Series rotary sprinklers, send the coupon below.



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62 WEEDS, TREES & TURF/AUGUST 1981



PRODUCER

NEV

The Jacklin Seed Company, a division of the Vaughan-Jacklin Corporation, continued its rapid expansion by acquiring certain assets of the Jenks-White Seed Company. Jenks-White reported more than \$6 million in seed sales last year. This was the second sizable asset acquisition in two months for the Post Falls, ID, seed firm.

Jacklin's new facility, in Tangent, OR, will be operated as the Jenks-White division of Jacklin Seed Company. Jim Jenks, Howard Jenks and Dick Bailey of Jacklin's Salem, OR office, will manage the new division. The North Coast Seed Company and other related companies of Jenks-White Seed Company are not involved in the purchase.

Two months ago Jacklin acquired the operating facilities of the Gold Coast Seed Company in Nez Perce, ID. Jacklin grows, processes and markets proprietary and patented varieties of Kentucky bluegrass, environmental, reclamation and other grass seed. It is one of several divisions of Vaughan-Jacklin Corporation, a nationwide wholesale distributor, manufacturer and grower of professionally used horticultural products and home and garden supply items.

Word from the seed companies—

Lofts Pedigreed Seed says that two erroneous statements were included in the January-December (Volume 8) of the Official Journal of the USDA's Plant Variety Protection Office. Contrary to the journal's statements, both Baron Kentucky bluegrass and Ram I Kentucky bluegrass are fully protected turf varieties.

The company also states that its tall fescue, Rebel, will be used as 90 percent of the mixture in the new driving range built for the Congressional Golf Club, host of the Kemper Open. The remaining 10 percent was Baron Kentucky bluegrass.

Jacklin Seed says that perennial

ryegrass has come a long way in the past ten years from its use in pastures to fine turf areas. It is not only beautiful but quite winter hardy and almost as widely adapted as Kentucky bluegrass. Whatever way perennial ryegrass is used, the versatility of the new varieties such as Jackpot, Citation, and Elka guarantees good results with so little bother that lawn making and repair requires little effort, says Jacklin.

The company also announces purchase of the Nez Perce, Idaho, operating facilities of Gold Coast Seed Company Officials at Post Falls, ID, Jacklin's headquarters, said it would be operated as a department of that division. Jim Henderson, currently the general manager of Nez Perce, will continue in this capacity for Jacklin.

International Seeds is now marketing 'Scenic' Kentucky bluegrass (Poa pratensis), which is hardy, grows and spreads rapidly, and has about the same density as Merion. It is slighty less prostrate in growth habit than Merion, with finer leaves and darker green leaf color. It holds its green color well even under conditions of low soil fertility, and it is quite drought tolerant.

Television viewers exposed to sod, promotion

Approximately 120 public television stations broadcast a sod installation demonstration in early July. The segment was part of a Public Broadcasting System television series "This Old House," which describes all the phases involved in restoring a house.

The half hour episode was mostly concerned with landscaping and had a seven minute segment detailing the installation process and informing the viewers about the instant beauty of sod. Chris Beasley, of Tuckahoe Turf in Rhode Island installed the sod and explained how sod ties in with landscaping in general.

The American Sod Producers Association helped promote the show and encouraged local ASPA member to advertise in their local newspapers and television guides.



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on the south wall is minimal, so a roof overhang will do a better job than a shade tree of keeping the direct sunlight from entering the home. If a tree is used, it should be deciduous, so the sun can shine through the branches in winter.

4. Vines are an alternative to shade the walls of a home. They can grow directly on brick walls, but for frame houses they should be grown on trellisses to protect the wall surface from moisture damage. Trellisses should be removable so the wall can be reached for painting when needed.

5. The north wall of a home seldom needs shading but may need wind protection in the winter. An evergreen windbreak is usually recommended because it doesn't lose its leaves in winter. The zone of protection is 20 times the height of the plants; thus, a 10-foot-high evergreen windbreak will screen the wind for 200 feet.

6. Where space won't permit an evergreen windbreak, use a slat—not solid—fence. A solid fence creates high-pressure effects that make the wind more vicious. A slatted fence slows down the wind, allowing some air to penetrate.

7. An alternative to a fence is an earth berm, a contoured mound of earth, that can be used to channel and direct the wind. Berms are best used during the construction of a new home, before the site has its grading finished.

8. Lawns can be effective in reducing air temperature. Grass is 10 to 14 degrees cooler than exposed soil. During the summer, exposed soil near a house will retain radiated heat, thus interfering with cooling.

9. Be careful in using gravel, stone, and paving materials. Gravel and stone mulches, for instance, retain heat and should not be used close to the home. Asphalt also retains heat. Wood, concrete, and brick do not retain as much heat and so are better suited for use close to the house.

10. For additional cooling of a home in summer, plantings on the south and west sides will help. They cool the air while channeling it through open doors and windows.

More detailed information is available in a pamphlet called "Designing



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University and industry leaders in horticulture were initiated as honorary national members into Pi Alpha X, a fraternity of floriculturists and landscape and ornamental horticulturists. From left to right are: Dale Kester at Cal Poly-San Luis Obispo. Davis, CA; Henry Mollgaard, Snohomish, WA; Robert Weidner, Encinitas, CA; and George Oki, Sacramento, CA.

COMPANY NEWS

Janke, Cosper, Rackley, Shepersky

E.P. Janke has been appointed president of Gravely Division of McGraw-Edison in Clemmons, NC. Janke, who has 30 years experience in the outdoor power equipment industry, replaces James Fischer, who has been promoted to vice president, Planning and Development, Commercial and Industrial Group, McGraw-Edison Company, at the corporate headquarters in Rolling Meadows, IL.

Also in North Carolina, Thomas C. Cosper, Jr., has been named director, Lawn/Garden, for the Homelite Division of Textron Inc., Charlotte. Cosper, who has been regional sales manager, North, since 1977, will assume overall marketing responsibility for Homelite's new lawn/garden operation organized following the merger of all consumer products from the Jacobsen Division of Textron Inc.

Anderson H. Rackley has been named business manager of phenoxies *Continues on page 66*

Circle No. 105 on Reader Inquiry Card



What do turfgrass experts say about Pennant* ryegrass?

The Turf Trial results speak for themselves. Pennant is a champion. Rigidly controlled, comparative testing involving Pennant and competing varieties of perennial ryegrasses were conducted by turf experts across a broad region of the U.S.—the Pacific Northwest, the Southwest, the Northeast.

Pennant topped many of its competitors in these tests, including overseeding and heat tolerance trials in the Southwest. Some of the expert's findings are illustrated below.

njury.)

PENNANT

CITATION

PENNFINE

PENNANT PREMIER REGAL

CBS

DERBY

DEBRY

LINN

MANHATTAN

| Warm | and | cool | season | a | verage | turf | score, |
|------|-----|------|-----------|---|--------|------|--------|
| | | | first-yea | | | | |

| | Poor | Best |
|-------------|-----------|------|
| PENNANT | No an Lo- | |
| PENNFINE | A SHARE | |
| DIPLOMAT | | |
| YORKTOWN II | | |
| MANHATTAN | | |
| CITATION | | |

Pennant was best among 12 varieties lested for red thread disease (Corticium fuciforme) in 1-year average, 1979-80. Western WA. (Low score – Best).

| PENNANT | 20.7 % | |
|-------------|--------|--|
| CITATION | 23.6 % | |
| DERBY | 26.3 % | |
| PENNFINE | 30.4 % | |
| MANHATTAN | 40.4 % | |
| YORKTOWN II | 47.8 % | |

* Plant variety protection pending and anticipated

Circle No. 101 on Reader Inquiry Card

23

Percent winter injury. Adelphia, N.J. March 1978. (10 of 26 varieties tested showed no significant

0%

0%

119

14%

Average Turl Performance scores, February 1980. Southern Arizona turl overseeding on Tifgreen Bermuda. Sixteen entries seeded October 1979. (10 – Best).

18%

38%

6.3

5.7

Turf performance scores. North Brunswick, N.J. 1975-78. (9 - Best).

| YORKTOWN II | 6.4 |
|-------------|-----|
| PENNANT | |
| CITATION | 5.9 |
| DERBY | 5.4 |
| PENNFINE | 5.4 |
| MANHATTAN | 5.2 |

Pennant was best among 57 varieties tested for sod webworm tolerance (lawn moth - Crambus spp. of the order Lepidoptera), Adelphia, N.J., August, September, October 1980.

| | Poor | Best |
|-------------|----------|------|
| PENNANT | | |
| PREMIER | | |
| REGAL | | |
| DIPLOMAT | | ./ |
| CITATION | | YZ. |
| FIESTA | | 7 |
| PENNFINE | | - |
| YORKTOWN II | | |
| CARAVELLE | | |
| DERBY | | |
| LORETTA | | |
| MANHATTAN | 1112.000 | |
| LINN | | |
| | | |

Reaction to brown patch disease (Rhizoctonia), Adelphia, N.J., 1978. (9 = least damage)

| PENNANT | 7.5 | |
|-------------|-----|--|
| YORKTOWN II | 7.0 | |
| CITATION | 7.0 | |
| REGAL | 6.3 | |
| DERBY | 6.2 | |
| PENNFINE | 5.8 | |

At Adelphia, N.J., **Pennant** showed the best performance under low fertility and drought stress. We call it "The Trophy Turf". We think you will, too.



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AUGUST 1981/WEEDS TREES & TURF 65

News from page 64

for the Agricultural Chemicals Division of Diamond Shamrock Corporation. As a result of the recent acquisition of the Fallek-Lankro Corporation's phenoxy herbicide plant in Tuscaloosa, AL, Diamond Shamrock is now putting increased emphasis on its phenoxy business.

In addition to Rackley's promotion, Diamond Shamrock also announced that Dr. Leonard L. Welch has been promoted to the position of business manager of herbicides and Ted L. Kabat has been named as product manager.

Keith Shepersky, formerly district manager for Rain Bird Sprinkler Mfg. Corp.'s western Turf Sales Division, has been appointed manager of training and marketing services for the Turf Division. In his new role, Shepersky will take responsibility for technical and product educational training programs and the development of sales supporting product comparison and feature benefit presentations.

Mallinckrodt, Inc. has announced that William W. Rhymes, sales executive for its Specialty Chemicals Division, will concentrate his activities exclusively on the specialty agricultural segment of the Division's business.

James R. Coson, president of Royal Coach/Buckner, announces personnel changes and expanded production facilities for the Fresno, CA-based manufacturer of sprinklers, valves, and automatic controllers. Vince Nolletti has been appointed vice president of the company. Nick M. Dvorak has become vice president, sales and marketing.



First Readex Award is presented to P.B.I. Gordon Senior Vice President A.T. Pambechy (center) by Jim Brooks, national sales manager of Weeds Trees & Turf. On the right is Charles Eatough, agency representative for Gordon and creator of the advertisement that won.

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On the greens, the fairways...all around the links, inside the clubhouse and under all the sinks

DURSBAN 2E is the one insecticide that works. DURSBAN* 2E Insecticide is ideal for broad spectrum, multi-purpose insect control everywhere around the club. Outside, DURSBAN 2E gives you unsurpassed control of turf pests like chinch bugs, sod webworms and cutworms, plus ticks, chiggers and mosquitoes. It even wipes out bagworms and many other ornamental plant pests. Inside, it cleans up the toughest roach problems, and keeps working to rid your buildings and restaurant areas of insect pests. Ask your supplier about the one insecticide that really works, DURSBAN 2E. Just be sure to follow all the directions and precautions on the label. Agricultural Products Department, Midland, Michigan 48640.

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The current issue of WEEDS TREES & TURF carries meeting dates beginning with the following month. To insure that your event is included, please forward it, 90 days in advance, to: WEEDS TREES & TURF Events, 757 Third Ave., New York, NY 10017.

International Society of Arboriculture Convention, Boyne Mountain Resort, Boyne Falls, Michigan, **Aug. 9-12.** Contact E.C. Bundy, ISA, PO Box 71, 5 Lincoln Square, Urbana, IL 61801, (217) 328-2032.

Central Plains Turf Foundation/ Kansas State University Turf Field Day, Manhattan, KS, **Aug. 12.** Contact Dr. Robert Carrow, Kansas State University, Dept. of Horticulture, Waters Hall, Manhattan, KS 66506, 913/ 532-6170.

Maine Nurserymen's Association summer meeting, Western Maine Forest Nursery Co., Fryeburg, ME, Aug. 12. Contact Rick Churchill, Executive Secretary, Plant & Soil Dept., S.M.V.T.I., So. Portland, ME 04106, 207/799-7303.

Residential Landscape Design Course I, Marriot North, Dallas, TX, Aug. 12-14. Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/821-8611.

Massachusetts Nurseryman's Association summer meeting, Stewart's Nursery, Turners Falls, MA, Aug. 19. Contact Deborah Fanning, Executive Director, Massachusetts Nurseryman's Association, 715 Boylston Street, Boston, MA 02116.

Irrigation Association of New Jersery 7th annual field day, Reed's Sod Farm, Princeton Pike, Princeton, NJ, **Aug. 20.** Contact Linda Errickson, Administrator, P.O. Box 138, Dayton, NJ 08810, 201/329-6003.

American Association of Botanical Gardens and Arboreta midwest chapter, Dow Gardens, Midland, MI, Aug. 20-22. Contact The Dow Gardens, 1018 W. Main St., Midland, MI 48640, 517/631-2677.

Dollar Management Seminar, Executive Inn, Seattle, WA. **Aug. 21-22.** Contact ALCA, 1750 Old Meadow Road, McLean, VA 22102, 703/821-8611.

International Garden Centre Congress, Disneyland Hotel, Anaheim, CA, Aug. 24-30. Contact Pat Redding, GCA, 230 Southern Bldg., Washington, DC 20005.

Grower's Tour, Aug. 25. Contact Richard Staples, Program Administrator, California Association of Nurserymen, 1419 21st Street, Sacramento, CA 95814, 916/448-2881.

Southern Containerized Forest Tree Seedling Conference, Hyatt Regency Hotel, Savannah, GA, **Aug. 25-7.** Contact Dick Guldin, Southern Experimental Station, USDA Forest Service, 2500 Shreveport Highway, Pineville, LA 71360.

USDA Turfgrass Research Field Day, Beltsville Agricultural Research Cen-

Continues on page 72

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