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54 years in the manufacturing of Irrigation Equipment
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Manufacturers of quality, reliable brass Impact and Sprayhead Sprinklers



# WEEDS TREES ETURF.

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Joe Guarise, Midwestern Manager ATLANTA: 3186 Frontenack Court, NE	Copyright <sup>®</sup> 1977 by The Harvest Publishing Company, a subsidiary of Har Brace Jovanovich, Inc. Publishers of Pest Control, Weeds Trees & Turf Business, Pennsylvania Farmer, Ohio Farmer, Michigan Farmer, Mis	
Atlanta, GA 30319 (404-252-4311) Richard Gore, Southern Manager	Ruralist, Kansas Farmer. Books: Scientific Guide to Pest Control. 980 Ave., Cleveland, Ohio 44102.	0 Detroit
LOS ANGELES: 4311 Wilshire Blvd., Los Angeles,CA 90010 (213-933-8408)	Member, American Business Press, Business Publications Audit	
John Sandford, Western Manager		
SAN FRANCISCO: 615 Montgomery St., San Francisco, CA 94111 (415-982-0110) Robert A. Mierow, Western Manager	Single Copy Price: \$1.25 for current and all back issues. Foreign \$1.50. Subscript WEEDS TREES AND TURF is mailed free, within the U.S. and possessions and C qualified persons engaged in the vegetation care industry and related fields in circulation categories. Non-qualified subscriptions in the U.S. and Canada are \$ year; other countries, \$12.00 per year. Controlled circulation postage paid at C Ohio 44101.	Canada, to controlled \$10.00 per

# Is Good For Turf

## **IBDU** and PAR EX Fertilizers

Slowly and evenly – month after month – IBDU time capsules and PAR EX fertilizers release just enough nutrients to keep turf green and hardy. Pound for pound your best value in turf nutrition.

IBDU is a water insoluble nitrogen source that is activated very slowly by soil moisture. Not by soil bacteria. IBDU releases at a slow, even rate that can't be hurried by high temperatures.

And it continues this slow release even when temperatures approach freezing. So turf goes into winter



with a thick, green carpet. Starts out next spring with a fast, early greenup.

PAR EX fertilizer mixes are custom formulated for the correct balance of water soluble nitrogen, water insoluble nitrogen, phosphorus, potassium and trace elements for your specific turfgrass needs. With IBDU and PAR EX fertilizers, you can provide the most complete, balanced nutrition available for turf and ornamentals in a slow release fertilizer.

Contact your PAR EX distributor or call us. 312/431-2509



# TO OUR READERS

This month has been especially demanding. Compiling any lengthy directory would seem to be. We have added a new section, a chemical listing. I know there might be more chemical manufacturers out there than the ones we have listed. So before you sit down to write that irate letter, please realize first that there might not have been a way we could have known ... excuses, etc.

Please do, however, inform us of the company name, address, chemicals or equipment it manufactures and what each is used for. The only way a directory can be perfect is to include everyone!

If you read thoroughly your last issue of WEEDS TREES & TURF, you will have noticed that this month's issue was to include the winners of the annual WEEDS TREES & TURF awards. This is not the case, however, as a time factor proved otherwise. You will have to remain in suspense another month.

This month the WEEDS TREES & TURF staff traveled to St. Paul and saw first hand some of the equipment and methods that are used to produce fine sod. See page 29 for more details and photos. WEEDS TREES & TURF was also at the Rutgers field day in New Jersey. Many extensive experiments are underway there that are already benefiting the "Green Industry." The many experiments will continue to provide results that will benefit us in the future.

The feature story on page 14, you need to read. Mr. LeSieur did extensive research and talked with many turf managers about equipment. Read it and find out how the others do it.

And if you need a ground cover that is highly salt tolerant and requires little moisture, be sure and check out the "Corto" Australian saltbush story on page 46.

n mours

Ron Morris Assistant Editor



# It runs through the briars, it runs through the brambles and it runs through the timber where a rabbit couldn't go.

If the British had used a Klearway at the battle of New Orleans, they could have beaten a hasty retreat and returned to face "Old Hickory" another day.

For any job, you must have the proper equipment. You certainly wouldn't try to cut through a jungle with a penknife. Although, some companies make a comparable error in their choice of right-of-way clearing equipment.

The Klearway was designed by Kershaw expressly for right-of-way clearance and forestry applications. It's not another machine modified to chop brush and push over saplings. The Klearway is built from the ground up to clean out heavy brush and light timber, leaving a clean swath of mulch on the first pass. Dual head cutting makes it faster than any other machine. The Klearway is dependable, boasting an excellent service record. Speed, efficiency and dependability are its hallmark, meaning profit.

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KLEARWAY

C

The Klearway requires only one operator. The exclusive protruding dual blades coupled to twin flywheel disks mean unique ground-level cutting. The Klearway will clean up to three acres per hour with no damage to the environment or terrain. When you're working in swamps, Terra Tires,® the Klearway's equal weight distribution and 20,000pound winch won't let you down. Caterpillar® V-8 power and full frame articulation cope easily with high hills and low bogs. For more information, write Kershaw Manufacturing Co., 2205 West Fairview Ave., Montgomery, AL 36108 or call (205) 263-5581.

## **KLEARWAY** The army of one.

KERSHAW

# Government News

Applicators living in states which have not passed laws requiring a pesticide certification program that complies with EPA standards will have their training and certification programs administered by a regional office of the EPA.

Applicators in this situation will have to keep records of how they dispose of pesticides and take examinations every two years to renew their certifications. Nebraska and Colorado will probably fit into this category, according to Andrew Ceraker, senior regional officer in the EPA's office of pesticide programs.

The chances are over 90 percent that prospective pesticide registration application will be rejected, according to Edwin L. Johnson, Deputy Assistant Administrator for Pesticide Programs of the EPA.

Johnson gave two basic reasons: 1) The applicant "cannot submit or cite data to fulfill the current requirements of the registration (Section 3) regulations; or 2) the data upon which (the applicant) wishes to rely is claimed to be a trade secret by the data developer, who refuses to let the applicant rely on the information."

The conditional registration and the Sections 10 and 3(c)(1)(D) amendments approved by the Senate Agriculture Committee were cited by Johnson as solutions to these problems.

The North Carolina Agriculture Department used a crisis exemption to apply methomyl. It was used in several counties to control outbreaks of the fall armyworm on coastal bermudagrass.

A rebuttable presumption against registration (RPAR) notice against pesticides which contain cadmium is about to be issued by EPA, according to EPA sources. The EPA Carcinogen Assessment Group (CAG) cited studies which show a "statistically significant increase" in the incidence of prostatic cancer deaths among alkaline battery workers who had been exposed to cadmium for at least one year.

In addition, the CAG report said that cadmium salts "increase the frequency of point mutations and somatic chromosome aberrations" and "interact with and break DNA" among other things.

If issued, the cadmium RPAR will be the first RPAR to be issued on a natural substance. The RPAR would involve 30 registrants and 35 products -- all fungicides for turfgrass applications.

The EPA has issued three section 5 experimental use permits to Fisons corporation to allow use of 2,2-dimethyl-1,3 benzodioxil-4-yl methylcarbamate on turf to evaluate control of turf insects in Calif., Ill., Ind., Kansas, Md., Mass., Nebr., N.H., N.J., N.Y., N.C., Ohio, Okla., Penn., and Texas. One permit allows use of 585 pounds of the pesticide on 308 acres, another allows 152 pounds on 76 acres, and the third also allows 152 pounds on 76 acres.

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# There are 785 different tree species...



# And they <u>all</u> thrive on Ross Super Tree Stakes and Ross Super Fruit Tree Stakes!

Dependable **Ross Super TREE STAKES** provide once-a-year feeding of trees, shrubs, and evergreens with a high food value analysis of 16-10-9 PLUS iron and zinc formulation.

New **Ross FRUIT TREE STAKES** contain 16-5-10 PLUS iron and zinc to provide precise, premeasured feeding of all fruit trees: apple, pear, apricot, plum, peach, cherry, all citrus, berries and fruit bearing shrubs.

Each commercial case contains approximately 155 stakes . . . enough to feed more than 35 trees of 3" diameter. There are 20 solid nylon pounding caps to simplify driving into the toughest soil.

For best results, place stakes at drip line of tree, using three stakes for every 2" of trunk diameter. Water does the rest, carrying plant food to the feeder roots.



#### Two great once-a-year formulas . . .

- 16-10-9 For Beautiful Trees & Evergreens
- 16-5-10 For bigger, better Fruit

Contact your nearest Ross Daniels distributor for Ross Super Tree Stakes and Ross Super Fruit Tree Stakes. If unavailable in your area, order direct from: ROSS DANIELS, INC., P.O. Box 430, West Des Moines, Iowa 50265. Use this coupon to order.

ROSS Super Tree Stakes Commercial Pack, Stock no. 1791 Please ship cases, check enclosed.	ROSS Fruit Tree Stakes Commercial Pack, Stock no. 1812 Please ship cases, check enclosed.
Approximately 155 stakes per 1-3 cases, \$35.00 per case 4-11 cases, \$30.00 per case 12 or more cases, \$25.00 per case Each case includes 20 Nylon Pounding Caps	a before the advertational data
Your name	segueits and and shares
Organization	I chalden demon at ou
Address	Harrison and the state of the
City	StateZlp
Make check payable to Ross Dan	iels, Inc.

# Industry News

#### First EPA restricted pesticides designated

The first draft of the EPA Decision Summary regarding classification of certain pesticide products for "restricted" use has been published. More will be added as EPA reviews more compounds. Nearly all of the products listed are restricted for all uses for all formulations and concentrations. They include Aldicarb, TEPP/Tetraethyl Pyrophosphate, Ethylene Oxide, Paraquat, Picloram, Hydrocyanic Acid, Aluminum phosphide, Acrolein, Allyl Alcohol, Carbon Tetrachloride, Acrylonitrile, Sulfotepp/Bladafume, Calcium Cyanide, Methomyl/Lannate, Sodium Cyanide, Mevinphos/Phosdrin, Fluoroacetamide/1080, Methyl Bromide, Demeton/Systox, Ethoprop/Mocap, and Phorate/Thimet.

#### Manhattan ryegrass royalties top \$142,000

The Manhattan Ryegrass Growers Association has contributed over \$142,000 to further research of grasses at Rutgers University, according to Bill Rose, president of the association.

Manhattan perennial ryegrass was developed by Dr. Reed Funk of Rutgers, and the royalty payments to that university have been a big factor in maintaining the level of research there.

### Phosphate producers join Potash group

The Board of Directors of the Potash Institute has approved a new phosphate program that brings major U.S. phosphate producers into the organization and changes the name to Potash/Phosphate Institute.

The first phosphate producers joining the Potash/Phosphate Institute are Agrico Chemical Co.; International Minerals and Chemicals Corp.; Mobil Chemical Co.; Occidental Chemical Co.; Royster Co.; Smith-Douglass, division of Borden Chemical, Borden, Inc.; and Teasgulf Inc.

#### Basagran gets OK for nutsedge control

Basagran has recently been approved for supplemental labeling of yellow nutsedge (Cyperus esculentus) in commercial turf.

Basagran should be applied postemergence to nutsedge plants when they are actively growing. A second application may be made 10-14 days later if control is not adequate. Thorough leaf coverage is essential for maximum control and mowing should be delayed for 3-5 days after application.

In experiments at Ohio State University, Basagran gave excellent selective control. No phototoxicity occurred on desirable species where recommended rates were used.

### NAA has slide/cassette programs available

The National Arborist Association has six cassette programs available. They are: Basic Instruction for a Tree Care Trainee; Climbing Techniques for the Professional Arborist; The Tools and Techniques of Pruning; The Reasons for Pruning; The Technique of Spraying; and Cable Bracing.

The cost of each slide/cassette program is \$50 and may be obtained from the National Arborist Association, 3537 Stratford Rd., Wantagh, N.Y. 11793.

### New Scleroderris identified in U.S.

A new virulent strain of Scleroderris canker has been identified for the first time in the U.S. The outbreak has been identified in nine counties in New York's Adirondack Mountain area, covering 34,-000 acres. Tree mortality has exceeded 90 percent on 2300 acres. Serilogical work has shown that the new strain is identical to one present in Norway and Finland that has extensively damaged conifers in those countries.

The AAN has urged the Senate appropriations subcommittee on interior and related agencies to appropriate \$200,000 for research aimed at the control and, if possible, eradication of the new strain.

## Wasted time adds up to big money loss

Time is money and wasted time means wasted money. This is obvious when you consider the cost of one wasted hour per day for your employees. Assuming your employee works an eight-hour day, 40-hour week, with paid holidays and vacations, that wasted hour can add up to big money in a year's time:

Cost to employer
\$ 625
935
1,250
1,500
2,000
2,500
3,125
5,000
6,250

#### Dutch elm disease symposium planned

The National Arborist Association will sponsor a symposium, Nov. 9-10 at the U.S. National Arboretum in Washington, D.C. on the "state of the art" of Dutch Elm disease control. Twelve researchers will share the podium with six representatives from industry. Contact NAA, Inc., 3537 Stratford Rd., Wantagh, NY 11793