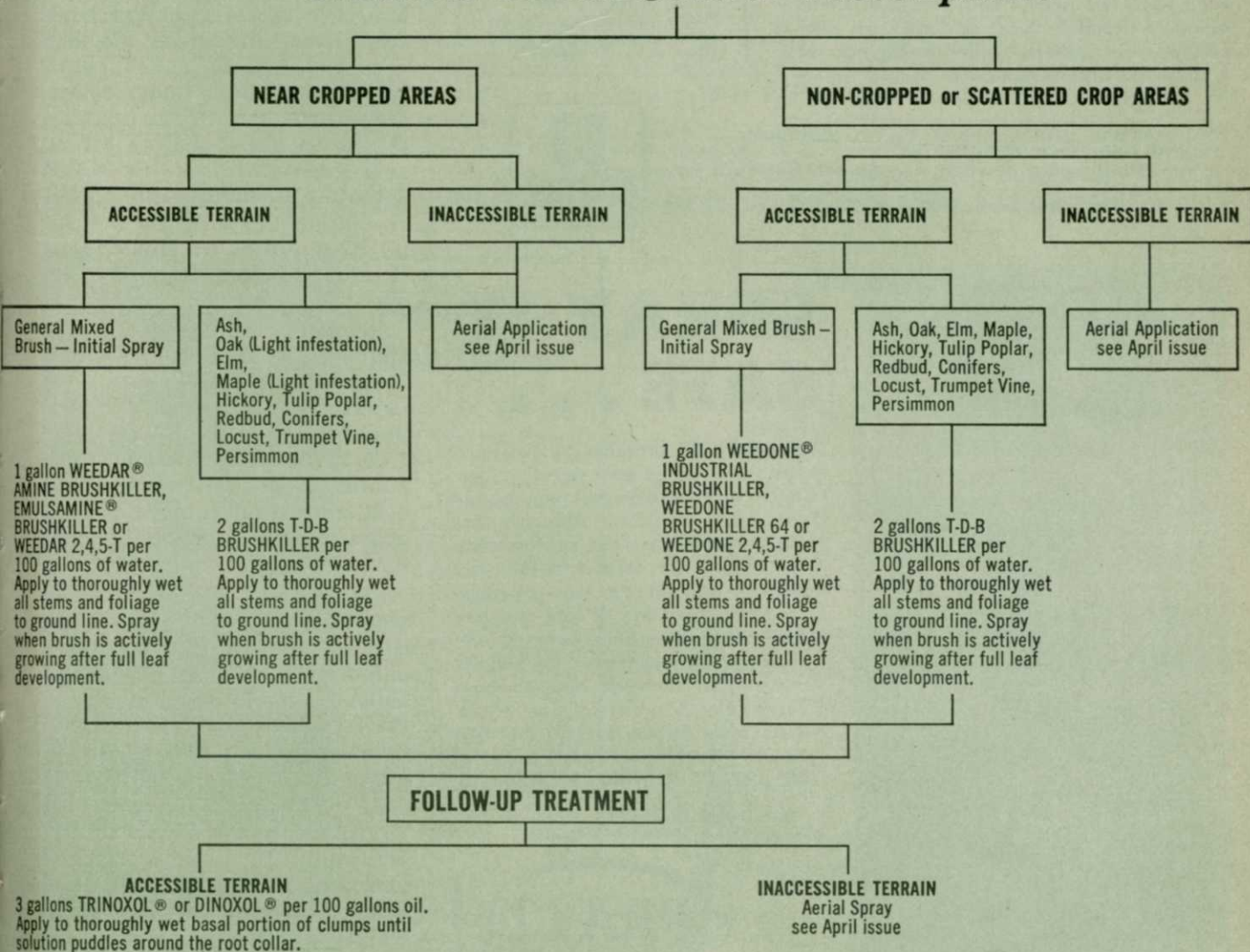


# THE KEY TO STEM FOLIAGE APPLICATION

## *Chemical Brush Control Prescriptions*



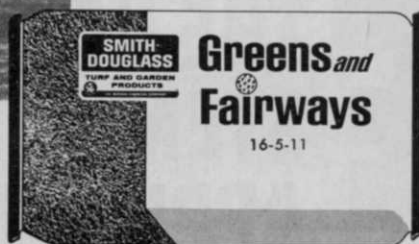
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AMBLER, PENNSYLVANIA



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Save on spreading costs with the NUTRO spreader. Covers 10,000 square feet in 10 minutes.



## SPRAY IT SAFE . . .

Specify PRATT products to give your trees the level of pest-proofing protection and horticultural health that their value warrants. Arborists and custom sprayers—the professionals who have to be certain of the right results—depend on the complete, premium quality line of safe and sure PRATT dormant and summer oils, emulsifiable concentrates for hydraulic and mist blowers, and oil base concentrates for thermal fog equipment. Send for the circular that tells you why—and how: "PRATT'S SHADE TREE SPRAY BULLETIN." It's free.

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of Horticulture has proposed a 5-year turfgrass research program. A site has been established at the University's South Farms experiment test unit for turf research which will include a reservoir for irrigation. A new staff member at the associate professor level has been authorized to spend full time on turf.

President of the organization, William M. Latta, Princeton Turf Farms, Inc., Kansas City, says that the turf industry in the area is expanding at a rate undreamed of 10 years ago.

## Southern Shade Tree Conference Meets

Conservation is closely associated with trees. Current practices are to emphasize landscaped parking areas, develop vacant lots into small parks, place utility lines underground, sponsor outdoor education classes in parks, and to set up self-guided tours. So stated Jesse A. Reynolds, director of recreation and parks for the city of Richmond, at the recent Southern Shade Tree Conference.

Reynolds commented on the Outdoor Recreation Resources Commission's conclusion that outdoor recreation would double by 1976 and triple by the year 2000. Reynolds believes that both public and private agencies will need to expand the scope of their operations to meet this demand for esthetic outdoor areas.

Clarke W. Davis, executive secretary of the National Arborists Association, in discussing automation said that he did not believe it would greatly affect the tree business. Nevertheless, he feels that arborists cannot afford to overlook new technological developments.

Officers for the new year are: president, Dr. Thomas F. Cannon, department of Horticultural Science, North Carolina State University, Raleigh, N. C.; vice-president, Orville C. Graves, Farrens Tree Surgeons, 1490 Bugle Lane, Clearwater, Fla.; and secretary-treasurer, Francis W. Orrock, Fredericksburg, Va.

## Classifieds

When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 1900 Euclid Avenue, Cleveland, Ohio 44115.

Rates: "Position Wanted" 5c per word, minimum \$2.00. All other classifications, 10c per word, minimum \$2.00. All classified ads must be received by Publisher the 10th of the month preceding publication date and be accompanied by cash or money order covering full payment.

### HELP WANTED

**LANDSCAPE ARCHITECT.** Degree in Landscape Architecture from accredited college. Recent graduate considered; several years' experience desirable, not required. Salary open. Fringe benefits. Full-time permanent position. Challenging creative opportunity for sole Landscape Architect on staff. Involves land development; drainage and road plans, landscape and turf planning and management; design, platting, and construction of religious shrine features and structures, and marker and memorial burial areas; preparation of sketches, detailed drafting, working drawings and specifications; use of transit in fieldwork for surveying to establish locations of lots and burial areas; selection and detailing of plant materials; landscape maintenance programming and instruction. Substantial permanent organization, adequate cooperative staff and workers, ten St. Louis metropolitan area cemeteries, more than 1,000 acres. Opening formerly filled

by B.L.A. graduate in this position 14 years. Send résumé and minimum salary requirement in confidence to: Administrator, The Catholic Cemeteries of St. Louis, 7301 Watson Road, St. Louis, Missouri 63119. (Telephone: Area Code 314, FLanders 2-0525.)

**SALES REPRESENTATIVE.** National arborist company needs man with experience or education in tree care or allied field to sell service in Philadelphia area. Salary plus commissions. Excellent opportunity for sales-minded arborist. Send complete résumé to Box 26, Weeds Trees and Turf magazine.

### FOR SALE

**LARGE-SIZED FINN HYDROSEEDER** for highway erosion work. Reasonably priced. Can be seen at 2551 W. 63rd St., Downers Grove, Ill. Phone 968-7706.

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### Bean Highway Sprayer Has New Self-Priming Pump

First two-stage, self-priming centrifugal pump on the market is available in its new 1,000 gal. highway sprayer, John Bean claims.

A skid-mounted sprayer, it is designed for highway and park departments, and permits use of

large nozzles, hose, and guns. High-pressure range of pump, which features stainless steel shaft and enclosed impeller, is 100 g.p.m. at up to 200 p.s.i.

More information can be obtained from John Bean Division, Box 9490, Lansing, Mich.



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*Weeds Trees and Turf's* widely hailed series of articles on aquatic weed control covers species identification, chemicals for control, methods and equipment for application. Now available in a single 16-page illustrated reprint for handy reference!

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#### WEEDS TREES AND TURF

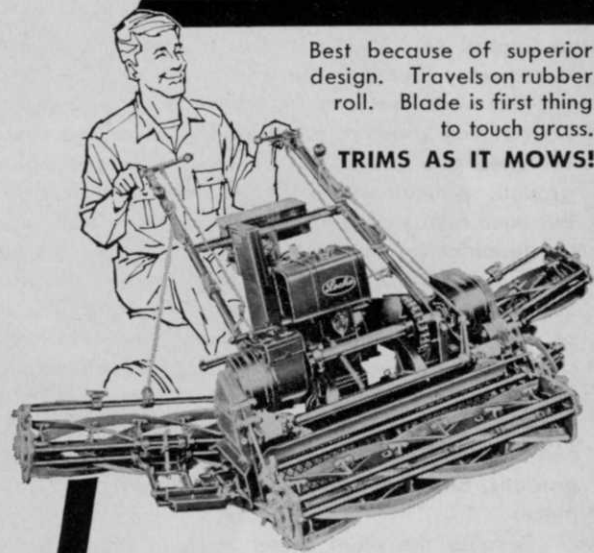
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## FIELD SANDBUR

(*Cenchrus pauciflorus*)



Field sandbur is known by a number of common names such as mat sandbur, burgrass, beargrass, and hedgehoggrass. It is native to North America and widespread from the northeastern U.S. to Central America. It is most troublesome in southern states and infrequently found on the west coast.

This weed pest is an annual which grows 6 to 24 inches in height (1). It may grow as a spreading plant but usually is somewhat flattened and prostrate, forming a semidecumbent mat upon the ground. Animals will graze the plant when it is young and tender; but once heads develop, it is annoying to both man and animal as the terminal spikes of burs readily puncture the skin. Leaf blades which are 2 to 5 inches long are smooth and flat, attached to a sheath with hairy margins which often partially enclose a cluster of burs. Each head contains many burs which are covered with sharp, hook-tipped spines. Each single straw-colored bur (2) contains 1 to 3 small seeds (3).

Field sandbur normally grows from July through September and can be found in waste areas, cultivated fields and pastures, lawns, gardens, and along roadsides. It grows particularly well in sandy places.

Because the plant grows close to the ground, mowing is not effective for control. Cultivation before seed formation, however, will control the plant for the season. Chemical control is possible with arsonate herbicides at 3 to 5 pounds per acre while plants are vegetative. Preemergence treatment with 2,4-D at rates of 2 pounds per acre may sometimes give good control. TCA is also effective as a preemergence treatment. Dalapon can be used as a post-emergence treatment but these latter treatments may also injure the desirable grass species.

Prepared in cooperation with Crops Research Division, Agricultural Research Service, United States Department of Agriculture, Beltsville, Maryland.

(DRAWING FROM NORTH CENTRAL REGIONAL PUBLICATION NO. 36, USDA EXTENSION SERVICE)

## Trimmings

**Try Kentucky Windage.** If you can't soil test, fertilize by eye rather than by formula. Your good sense of observation will serve better than a formula. That's the thinking of Dr. Richard Davis, Agronomist at the Ohio Agricultural Research and Development Center. He points out that too many variable factors influence fertilizer application rate. Soil type, species and variety of grass, removal of clippings, soil moisture, and use of the area are variables which he says affect workability of a simple formula.

\* \* \*

**Railroaders Rely On Chemicals.** Way back, before 1920, hand labor kept railway rights-of-way free of weeds and brush. Since, however, chemicals have been used more and more. Today, railroads are spending \$30 million yearly in weed and brush control, most for chemicals.

\* \* \*

**So Much Is Bull.** It's the time of year again when so many spend so much for organic fertilizers, which admittedly are packaged beautifully and which admittedly have some value. But animal fertilizers in terms of actual value can run \$50 for every 1000 square feet of lawn, if enough nitrogen to do the job is put on via this method. By contrast, about \$4 will buy equal value in commercial chemical fertilizer. Further, the grass can't tell the difference.

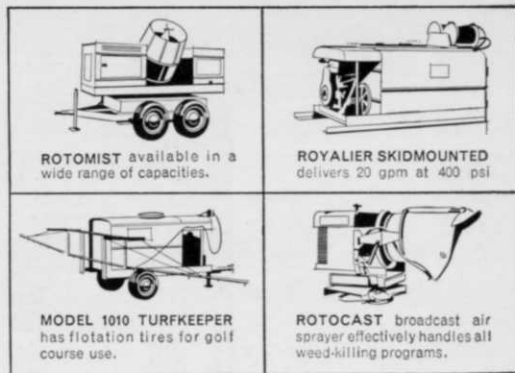
\* \* \*

**Made-for-Colorado Fertilizers.** Three specialists in the industry have formed their own firm known as Lawn Specialists Co., at Denver, Colo. They package and distribute made-for-Colorado lawn products, basing their thesis on the need for specific products to fit Colorado turf. Dale Langford, county agricultural agent, Gary Bryant, lawn and garden product representative, and Dean Schiemann, graduate horticulturist, pooled their experience and came up with a unique sales and service organization which can only help the industry. They point out that most nationally distributed products are designed for markets where both climate and soil differ from that of Colorado.

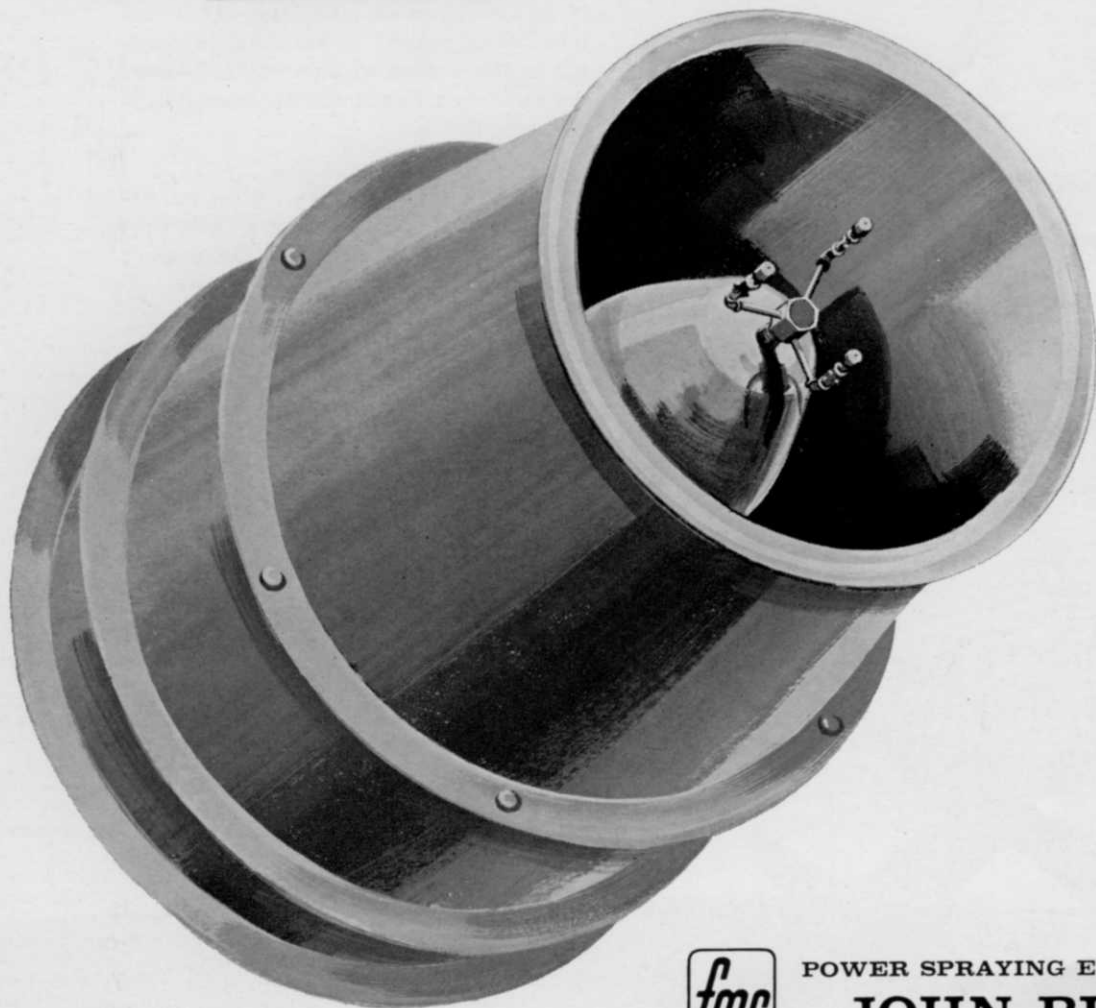
\* \* \*

**Picture Worth 1000 Words.** Both Senate and House Interior Appropriations subcommittees recently received a picture showing a sign advertising such young trees as potted evergreens, red cedar, blue spruce and ponderosa pine for sale at 25¢ each from a Wyoming government nursery. Vice President Robert F. Lederer of the American Association of Nurserymen, who made the picture available to Congress, reports that a neighboring private nursery at the same time was selling similar trees at \$1.50. His point that government nurseries can't produce trees any cheaper than private concerns can be well taken. Nor can private operators long afford to pay taxes to finance government grown trees and then compete with government selling prices which are less than 20% of the fair market value.

This Rotomist® sprayer has the greatest "rate-of-work" capacity ever developed for shade tree work. It is a design that provides a *controlled air pattern*, all the way to the top of the tallest trees. This means adequate coverage, as well as more efficient use of your chemicals. It means versatility, because the Rotomist pivots 110° vertically, rotates through 360° horizontally. Which means you can put your spray material—either dilute or concentrate—anywhere you want it. Up in trees. Over an embankment. Down, to windrow leaves. And, of course, John Bean makes many Rotomist models to match your requirements. They all mean business.



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