

Create weed-free roadside beauty at reduced costs with Amchem's Amino Triazole Weed Killers

Whatever weed eradication problems you may have—on the turnpikes or farm-tomarket roads—Amchem has a proved non-selective herbicide to help lower labor crew costs and boost your right-of-way maintenance efficiency. Compare the benefits of these Amchem amino triazole formulations:

AMIZOL[®] provides outstanding, economical kill of weeds and annual grasses. Applied to growing vegetation, it moves throughout the weeds' system to kill roots. Controls most annual broadleaf weeds and grasses. Very effective on poison ivy, poison oak and many other woody plants. A dry, soluble concentrate formulation.



FIRST NAME IN HERBICIDE RESEARCH

AMCHEM PRODUCTS, INC. • AMBLER, PENNSYLVANIA

AMITROL-T gives complete kill-out of deeprooted perennial weeds like Canada thistle, poison ivy, quackgrass, wild blackberry and other weeds and brush. This systemic weed killer moves through sprayed foliage to vital growth centers and completely kills roots—everything! Leaves no residue in soil. A water soluble liquid concentrate.

WEEDAZOL[®] is a soluble powder that gives the same outstanding herbicidal action as Amitrol-T. Dissolves into true solution after one mixing ... no agitation required in tank.

WRITE NOW FOR COMPLETE FACTS ON AMCHEM'S AMIZOL, AMITROL-T & WEEDAZOL.



WEEDS TREES AND TURF, June, 1966



3 for the

money

Chinch bugs and sod webworms in any turf and eriophyid mites in Bermuda grass. All three get their comeuppance when you use Ethion. Ounce for ounce no chinch bug killer outperforms it; one application can control up to six weeks or longer.





AIRFIELD CHEMICALS, NIAGARA CHEMICAL DIVISION, MIDDLEPORT, NEW YORK



Frank Svehla, well-known New Jersey golf course superintendent, holds chunk of turf aerated with Ryan Equipment. Note deep, healthy growth of roots filling in holes.

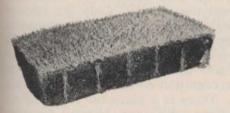
How to grow HEALTHY TURF —mechanically

Aerotion has long been proved beneficial to all turf grasses—from the finest of bents to the coarsest of Bermudas, from cool season grasses to warm season grasses.

Choosing from Ryan's full line of Aerating Equipment, you can now get exactly what you need to do the job quickly, economically, *mechanically*.

Some Ryan units are self-propelled, others are tractor-drawn. Some use interchangeable spoons or knives to pierce the soil, others use hollow tines to extract compacted plugs of soil.

In either case, the effect is to open up or "aerate" the soil to allow water, air and nutrients to reach the roots where they are *needed*. The result, hardy turf like that below...



... tough, tenacious, trouble-free, with roots reaching deep to feed a *luxuriant* surface cover that will withstand drought and traffic.

World-famous Ryan Equipment can help you grow tougher turf, greener turf, healthier turf, turf that can really take it! Ryan's new 24-page "Guide to Greener Grass" tells the full story ... send for it today.

Manufacturers of aerators, renovators, vertical mowers, spreaders, rollers, and sod cutters.



WEEDS TREES

FORMERLY WEEDS AND TUR

June 1966

Volume 5, No. 6

Features:

Eurasian Watermilfoil Reduces Waterway Use12	
How We Can Do a Better Job of Selling the Tree Maintenance Program By Horace P. Bryan	
Improving Soils for Different Turf Uses By Roylyn L. Voss	
Summit Hall Turf Farm Situated Amidst Megalopolis of 30 Million By Gerald T. Brady	
Wisconsin Turfmen Hear How Hardiness, Potash Content Affect Wintering Grasses	

Departments:

Editorial: What's Happened? 6
WTT Mail Box
Know Your Species: Stinging Nettle
Meeting Dates
Classified Ads44
Advertisers Index
Trimmings

JAMES A. NELSON Editor and Publisher

MICHAEL I. LAH, JR. Production Manager

D. BUNKIN Circulation Supervisor Advertising Representatives National Headquarters 1900 Euclid Avenue Cleveland, Ohio 44115 Phone: Area Code 216+771-4169

Chicago 60601 Peck & Billingslea, Inc. 185 North Wabash Ave., Suite 1809 Phone: 312⁺ DEarborn 2-0292-93

> New York City 10017 Billingslea & Ficke 420 Lexington Avenue Phone: 212+532-1632

WEEDS TREES AND TURF is published monthly by Trade Magazines, Inc. Executive, editorial, and advertising offices: 1900 Euclid Ave., Cleveland, Ohio 44115.

Single Copy Price: 50 cents for current issue; all back issues 75 cents each. Foreign \$1.00. Subscription Rates: U.S. and possessions, 1 year \$3.00; 2 years \$5.00. All other foreign subscriptions 1 year \$4.00; 2 years \$7.00. Change of Address: Three weeks advance notice is necessary for change of address. Both old and new address must be given. Post Office will not forward copies. Third Class postage is paid at Fostoria, Ohio.

Contents of this Issue (Trade Magazines, Inc., 1966

What's Happened?

new TRIONIC

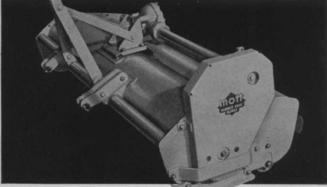
SPREADER-ACTIVATOR FOR SYSTEMIC HERBICIDE SPRAYS

REDUCES FOAMING

TRIONIC is a new 3-in-one nonfoaming adjuvant—anionic nonionic—cationic—formulated to minimize foaming common to most herbicidal sprays. Completely water dispersible. Substantially improves wetting and distribution of the spray on the plant. Enhances penetration of waxy cuticles. Try TRIONIC—the new **non-foaming** spreaderactivator for systemic herbicide sprays. For further information, see your supplier or write to—

COLLOIDAL PRODUCTS CORPORATION P.O. BOX 667 • SAUSALITO, CALIFORNIA 94965







- 88 inch swath
- Unitized structure
- Heavy tubular cutter shaft
- Oversized sealed and shielded bearings
- 6 inch roller with triple scaled bearings

MOTT CORPORATION 514 Shawmut Ave. La Grange, Ill. 60525 "What's happened to the National Association of Spraymen?" Many have asked this question. Apparently, the answer is "nothing."

Last fall a group of contract applicators met in Cleveland at Weeds Trees and Turf's offices to evaluate accomplishments and to decide the further steps needed to charter the association. It was agreed a membership drive should be undertaken and that an organizational convention would be held in 1966. The fall meeting was attended by the NAS acting secretary-treasurer Craig Anderson of Ft. Lauderdale, Fla., and board members Carl Ripper of West Des Moines, Ia., Jim Omura of Denver, and WTT's editor. By telephone NAS acting president Larry Nipp of Ft. Lauderdale, and Bill Owen of Clackamas, Ore., joined in the discussions. All were enthusiastic over how the association would strengthen the industry nationally. WTT pledged the full support of its editorial pages. A report of the Cleveland meeting and a membership application blank were included in our October issue.

Since then, however, there has been no agreement on a time or place for the convention to adopt a constitution and officially elect officers. Nor have there been any communications from the association on developments since the meeting in Cleveland. Board members have expressed their amazement at the "blackout" of information and some have suggested dues be returned if the organization is not going to become a reality.

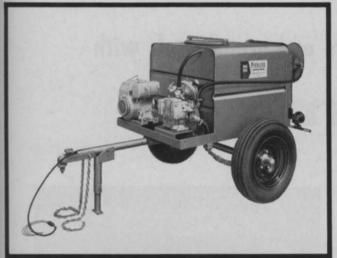
In our January editorial about NAS we recognized that all industrymen have many obligations, the first being to the welfare of their own businesses, and so development of the association could expectedly be slow. But, when membership funds are solicited, isn't there also an obligation to let contributors know what has been accomplished?

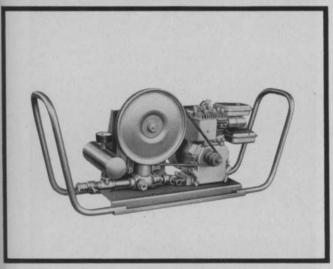
We still believe there is need for a *national* association to represent interests of commercial spraymen across the country. Only the voice of a truly *national* group will carry any weight in Washington on legislative matters. It requires dues from representatives in all sections of the country to finance an executive secretary and to bring public recognition of the services members have to offer. There is a place for state and regional associations which can become members of a national group. Leadership is needed. We hope someone in the industry will emerge to carry through the job so the National Association of Spraymen won't die by default.

WEEDS TREES AND TURF is the national monthly magazine of urban/industrial vegetation maintenance, including turf management, weed and brush control, and tree care. Readers include "contract applicators," arborists, nurserymen, sod growers, and supervisory personnel with highway departments, railways, utilities, golf courses, and similar areas where vegetation must be enhanced or controlled. While the editors welcome contributions by qualified freelance writers, unsolicited manuscripts, unaccompanied by stamped, self-addressed envelopes, cannot be returned.

Pick the Hudson model that fits your job. Get spray power you can count on.

Peerless* over-the-road sprayer is fast, mobile spray power for PCO's and others needing it. Accessories for day-night travel. New Ten-O-Matic* 10 gpm pump cuts time-wasting stops for service, repairs. No gears, sliding pistons, connecting rods, packing or cups. Almost nothing to wear, break, chip. Pressures to 400 psi. 150 or 200-gallon tanks with stainless steel liners—no rust, scale, corrosion. Other models 100 to 300 gal. tanks.

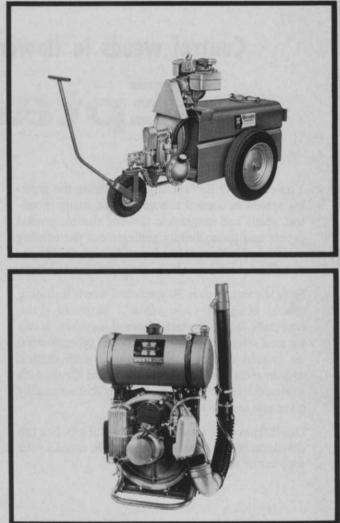




Porta® spray-pump combines high output performance with unrestricted range in a moderately priced unit. Carry it on your pick-up truck; take it in a boat. Pump from barrels, tanks, or any other type of container. Positive piston pump handles all sprayable materials. Porta spray-pumps are available in models with outputs of 3, 5 and 10 gallons per minute. Pressures to 400 pounds.

Write for these complete catalogs on Hudson power sprayers and dusters: No. 460 and No. 4601.

Peerless compact power sprayer handles any sprayable materials with pressures up to 400 pounds and at five gallons per minute output. Compact size and three wheel design provide exceptional maneuverability; easy to move by hand into places other high output sprayers cannot go. Two-wheel and skid models in 50, 100, 150, and 200-gallon tanks with either stainless steel or Endurall® bonded liners. Also Matador®, 15 to 100 gals.



Porta® mist blower fits comfortably on your back. Padded back rest, straps. Weighs 29¾ Ibs empty. Lightweight plastic materials. Goes wherever you can walk or crawl. Lets you spray areas inaccessible to any other type power sprayer. Applies liquid, dust or granules. Easily converted to flame thrower. Finger-tip controls. Wide cone and angle nozzles included. Smaller, lighter model also available.



H. D. HUDSON MANUFACTURING COMPANY

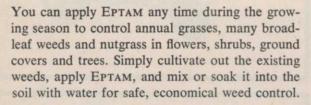
*Trademark

589 E. Illinois St., Chicago, Illinois, U.S.A., 60611

Profit Opportunities

Control weeds in flowers and ornamentals with

Eptamigranular



EPTAM controls over 20 species of weeds including annual bluegrass (*poa annua*), barnyard grass, crabgrass, lambsquarters, pigweed, sandbur. It can be used safely on allysum, zinnia and other flowers; on ground covers including ajuga, pachysandra; and on evergreens, deciduous trees and shrubs such as rhododendron and yew. One application usually gives you season-long control.

Use EPTAM on your next weed control job. For full details on how to use it in ornamentals, consult your supplier or return the coupon.



STAUFFER CHEMICAL COMPANY, Dept. F.L.	Name		
Agricultural Chemical Division 180 Madison Avenue, New York, N. Y. 10017	Firm		
lease send me			
Full information on EPTAM for ornamentals	Street		
BETASAN Control for Crabgrass and Poa annua in Greens and Turfs	City	State	Zip
TRITHION for ornamentals illustrated sheet.			

Chemical tools from Stauffer to make your job easier—to help satisfy customer needs—to build better business.

for custom applicators

Control mites, aphids and scale insects on ornamentals with



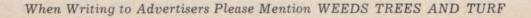


From Arborvitae, Cacti, through Gardenia, Rhododendron and Viola . . . Stauffer TRITHION is your best way to fight mites and a wide variety of insect pests. TRITHION will fill your needs to control aphids, mealybugs, spider mites and mite eggs, scale insects, bagworms and potato leafhoppers.

TRITHION can be applied safely, subject to label cautions, to more than seventy flowers, trees and ornamental shrubs. It has low handling hazard lower than many other organic phosphate pesticides. It's economical! Costs no more than most less effective insecticides which are weak in mite control, and it has long-lasting residual effect.

Return the coupon for your free copy of our illustrated fact sheet showing the full list of flowers, trees and ornamental shrubs that can be treated with TRITHION. Stauffer Chemical Company, Agricultural Chemical Division, 380 Madison Avenue, New York, N. Y. 10017.

READ THE LABEL, HEED THE LABEL AND GROW WITH STAUFFER CHEMICALS







Whether you need a motor-driven atomizer or a plunger sprayer, there's a Platz model to do your job best. Motor-driven models can be used as sprayers or dusters without changing the plastic tanks and have flame-throwing lances for burning weeds or thawing. You can't find greater efficiency or more versatility at a lower price.

2-HP PLATZ – \$149.50 F.O.B. Youngstown. Weighs 15 lbs. 2½-gallon tank. Horizontal range 26 feet, vertical 20 feet. Throttle controls stepless dusting rate. Sprayer has 4 delivery speeds.



3-HP BOSS – \$239.50 F.O.B. Youngstown. Weighs 30½ lbs. 2½gallon tank. Horizontal range 46 feet, vertical 30 feet. Has long range nozzle and twin nozzle for simultaneous spraying of two rows. FRANKONIA – \$69.50 F.O.B. Youngstown. Weighs 20 lbs. 4-gal-Ion tank, made of heavy-gauge sheet brass. Powerful brass pump. Robust suction filter. Self-cleaning valves.

Phone, write, wire

BURTON SUPPLY COMPANY, INC.

Import Division, Box 929-W, Youngstown, Ohio 44501



SPRAY IT

Specify PRATT products to give your trees the level of pest-proofing protection and horticultural health that their value warrants. Arborists and custom spraymen—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.

Distributors of Bidrin®, a product of Shell Chemical Company.



B.G. PRATT COMPANY 215 21st Avenue / Paterson, N.J.

----- WTT Mailbox -----

Ponders Purple Putt

We read with interest your editorial entitled "Synthetic Turf and Bare Feet," in the March issue of Weeds Trees and Turf. We have heard of the prospect of synthetic turf for a while now, but we did not know that it is already a reality. Could you send us a list of the companies producing synthetic turf? We have had an inquiry or two and we'd like to have references on hand.

In different colors yet! Could you imagine playing a shot into the purple . . . or putting on the putting purple?

Alexander M. Radko

Eastern Director U. S. Golf Association Green Section Highland Park, N. J.

Though our list of synthetic turf manufacturers is not meant to be all inclusive, here is a compilation we have made:

> Albany Felt Co. 1373 Broadway, Albany, N. Y.

American Biltrite Rubber Co. (Neoturf) 22 Willow St. Chelsea, Mass. 02129

Cabin Crafts, Inc. (Mardi Grass) Dalton, Ga. 30720

The Chemstrand Co. (Astroturf) Decatur, Ala.

Crown Turf Div., Crown Carpet Mills, 442 N. Hamilton Dalton, Ga.

Hercules Incorporated (Bur-Tex-Poly-P) Hercules Tower Wilmington, Del.

Lockport Felt Co., Inc. West Ave., Lockport, N. Y.

Minnesota Mining & Mfg. Co. (Tartan Surfacing) (Tartan Brand Turf) 2501 Hudson Rd. St. Paul, Minn.

Mohasco Industries, Inc. 295 Fifth Ave., New York, N. Y.

Orrco Div., Ludlow Corp. Needham Heights, Mass. 02194

Ozite Corp. Merchandise Mart Chicago, Ill. 60654

Pegasus International Corp. (everGrass) 41 W. 57th St. New York, N. Y.

The Joseph M. Stern Co. (Poly P-L Grass) 1968 E. 66th St. Cleveland, Ohio 44103

Hope this list will help readers answer any inquiries they may receive on sources for synthetic turf.—Ed.