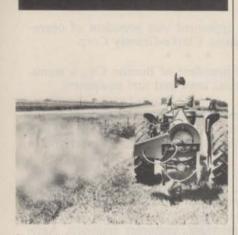
MUNICIPAL SPRAYING NEWS



Century's powerful Mist Blower/Sprayer is 4 sprayers in 1, Blower rotates through a 210° arc. 3-point mounted unit equipped with 25-gal. ''Poly'' tank. Includes sturdy, trigger-type, brass 2-ft. handgun with 25 foot hose. Also has brackets for boom or jet spraying. Delivers 150mph mist with swath up to 150 feet.

Becomes a handgun sprayer just by turning a valve, adjustable from fine mist to driving stream. Useful in parks, camping/



recreation areas, lagoons and swamps, around buildings and storage areas. Can kill weeds in ditches hard to reach with conventional sprayers.

Hook this New 50-lb. Portable Fogger to the 12-volt battery of your pickup or larger truck, tractor or passenger vehicle.



Fill the 5.5-gal. tank with oil-base chemical. Press handgun switch and you're ready to fog an atomized, killing mist anywhere your vehicle will take you. Wipe out mos-

quitoes, flies and weeds. Works well even in sub-zero weather. Has 15-ft. durable, hi-pressure hose; 3/4-hp. motor, 1200-psi. pump pressure.

Write for further details on sprayers, portable heaters and washers, and central cleaning system.



221 4th Ave. S.E., Cedar Rapids, Iowa 52401

For More Details Circle (121) on Reply Card

New Nematocide, Fungicide Introduced by ProTurf Div.

George Horn, director of marketing of the ProTurf Division of O.M. Scott & Sons, has announced two new granular control products — ProTurf Nematocide and ProTurf 101V Broad Spectrum Fungicide.

The nematocide is registered for professional use on turf to control 11 parasitic nematodes, including ring, root knot and stubby root. Designed especially for the southern United States, the product can be use on bahia, bermuda, zoysia and other Southern grasses. Requiring no mixing or measuring, application of ProTurf Nematocide is said to be quick and efficient with minimum interruption of turf area use. According to Horn, treated turf should show increased vigor and improved appearance withing seven to 10 days. In most cases, he reported, the turf will be protected for six months or more.

The broad spectrum fungicide is a new contact formulated to combat a variety of fungus diseases. Horn said that 101V is registered for prevention and control of brown patch, copper spot, two strains of leaf spot, dollar spot and rust in bluegrass, bentgrass, fescues, ryegrass and dichondra. It is also said to prevent and control Alternaria leaf spot and Gleosporium in dichondra. Horn added that the product is compatible with all fertilizer and seed products a turf manager may be using at the same time.

Horn said the products have been tested in the lab and at Scott's research field stations, then proven in use at cooperating golf courses and sod farms.

Sod Producers Association Honors Beard at Meeting

More than 170 sod producers, employees and industry representatives met at the recent annual midwinter conference of the American Sod Producers Association (ASPA) in Tucson, Ariz.

Dr. James Beard, agronomist at Michigan State University, received an honorary membership from the Association in recognition of his research and practical application of techniques in the development of the sod industry. Speakers and topics included: ASPA Legal Counsel Bill Harding, labor relations and the sod industry; Dr. Paul Rieke, Michigan State, maximum production per fertilizer dollar; Ernie Becker, Sr., vice-president and secretary of the National Association of Home Builders, the home building industry outlook for 1975; Dr. Gordon Johnson, University of Arizona, the use of sewage affluent in sod production, and Les Willson of DuPont, aggressiveness in business and sales.

The ASPA Board of Directors met and discussed future activities of the Association. A brochure will be prepared on sod production and utilization for individual members' use in promoting sod sales.

Hyacinth Society Members Plan July Meeting in Texas

The Hyacinth Control Society, to become the Aquatic Plant Management Society in 1976, will hold its 1975 summer meeting in San Antonio, Tex., July 6 to 9. The basic theme of the 1975 meeting is "Environmental Management Under Material Shortages." Society President L. V. Guerra of the Texas Parks and Wildlife Department said that plans are underway for a sixday post-convention trip to Mexico City. □



Bandini bags it! NITROFORM



The slow-release nitrogen for W.I.N.ning furl because if has a high percentage of W.I.N. (water insoluble nitrogen) No danger of burning, either

Turt and Horticultural Products, Synthetics Dept. Wilmington, Delaware 19899

Registered trademark of Hercules Incorporated STH74-25AR For More Details Circle (126) on Reply Card

FYLKING FYLKING FYLKING FYLKING FYLKING

Remember the name because you're going to hear a lot about it. 0217[®] Brand Fylking Kentucky bluegrass lawn is something special. It forms a dense, thick turf, more disease and drought resistant. Greens up earlier, stays greener longer. Fylking can be cut low as ¾ inch, even ½ inch for home putting greens. Proven over many years of international certified testing. Ask your seed distributor for Fylking.



Another fine product of Jacklin Seed Company



Robert A. Kenkel, appointed vice president of operations, Gravely Division, Clarke-Gravely Corp.

Stan Byers, elected president of Bunton Co., a manufacturer of commercial lawn and turf equipment.

Cassell Amend, named production and manufacturing coordinator, Agchem Division of Pennwalt Corp. **Louis Janucik**, **Jr.**, appointed Agchem's sales representative in the Northeast.

Kenneth F. Geiger, elected vice president, corporate development, Velsicol Chemical Corp. Jim Bob Gibbs, appointed industrial vegetation specialist. Gary L. House, appointed manager, customer relations, Agricultural Business Group of Velsicol, and will be responsible for manning the company's toll-free Banvel herbicide "Hot Line."

John Beattie, appointed vice president of operations, Irrigation and Power Equipment, Inc., a wholly-owned subsidiary of The Toro Co.

Don F. Ward, joined Chemagro Agricultural Division of Mobay Chemical Corp. as a product manager. Jerry S. Philipp, appointed Chemagro's new Hawaiian field representative.

* * *

Cliff Helwig and E. E. "Joe" Bredeson, promoted to Par Ex territorial managers for Swift Chemical Co. Thomas H. Moore, joined Swift as Par Ex area sales manager.

L. Brinson Lanier and Mark Hollenbach, joined Thompson-Hayward Chemical Co. as agricultural sales representatives.

* * *

Patricia L. Cahn, named EPA director of public affairs succeeding Ann L. Dore who is now with the Washington staff of Union Carbide Corp.

* * *

Woody Young, appointed territory manager for Cal-Turf, Inc. Terry Hynes and Kevin Servatius, appointed sales representatives.

John A. Drenchek and David C. Heegard, named technical representatives for the ProTurf Division of O. M. Scott & Sons.

Jack A. Tiethof, appointed research chemist, Minerals & Chemicals Division, Engelhard Minerals & Chemicals Corp.

P. Russell Owings, named vice president of sales for L. R. Nelson Corp. The company also announced sales management appointments: Al Low, Jr., eastern; Elmo Dowling, southern; Richard E. Einfeldt, western; Dale Brown, midwestern; Rex Dixon, sales development manager for Landscape and Turf Division, midwestern and eastern regions.

Call me today-TOLL FREE

I'll arrange a Ditch Witch Demonstration on your job site.

What's really the key to deciding what underground equipment to buy? Ditch Witch believes it is *performance*: the ability to do the work you need done, efficiently and economically. That's why your Ditch Witch man makes a standing offer to demonstrate Ditch Witch on *your* job site. Whether your underground requirements are large or small, there's a Ditch Witch that's exactly right: trenchers, vibratory plows. Modularmatics with broad job capabilities. Let Ditch Witch prove what it can do. Call today and arrange for a demonstration, when and where you want it. Look at Ditch Witch capabilities; compare them with what the competition has to offer. Then decide which equipment can do the job best for you. When you've considered everything, we believe you'll understand why we say . . .

Today, More Than Ever, Ditch Witch Makes \$ense.

CALL [800] 654-6481 TOLL FREE!

Ditch Witch . . . equipment from 7- to 195-HP.



CHARLES MACHINE WORKS, INC. P. O. Box 66 Perry, Oklahoma 73077

IBDU works slower doesn't have to

Sometimes the penalty you pay for well-fed turf is constant mowing. Especially when the weather's hot and your grass gorges itself on extra nitrogen.

IBDU gives you a lot of green without a lot of growth. It feeds your turf slowly and steadily, regardless of the weather. IBDU is activated by water, while other slow release fertilizers depend on temperature and bacteria. The hotter it is, the faster they release. With IBDU, each hot day doesn't send you running for the mower shed.

LOCAL PAR EX DISTRIBUTORS

Foster-Gardner Inc. Coachella, Cal. (714/398-4591) Swift Chemical Co. Los Angeles, Cal. (213/264-5800) Northern Cal. Fert. Co. San Jose, Cal. (408/292-7957) Agri-Turf Supplies Santa Barbara, Cal. (805/963-3691) Avon Cider Mill Avon, Conn. (203/677-0343) McMullen Feed Store Clearwater, Fla. (813/446-5961) Swift Chemical Co. Winter Haven, Fla. (813/293-3147) Swift Chemical Co. Atlanta, Ga. (404/432-5582) M. J. Meyers & Sons Aurora, III. (312/898-7700) Leon Short & Sons East Peoria, III. (309/694-1493) Swift Chemical Co. E. St. Louis, III. (618/271-5650) Turf Mgmt. Supplies Rockton, III. (815/624-7578) Clauss Bros., Inc. Roselle, III. (312/529-2502) Paarlberg Chemical S. Holland, III. (312/474-3086) Siemer Milling Co. Teutopolis, Ill. (217/857-3131) Turf Products, Ltd. Wheaton, Ill. (312/668-5537) Deisch-Benham, Inc. Nappanee, Ind. (219/773-7781) Indiana Seed Co. Noblesville, Ind. (317/773-5813) Tri-State Toro Co. Davenport, Ia. (319/326-4416) Geo. W. Hill & Co. Florence, Ky. (606/371-8423) Cornell Chemical & Equip. Baltimore, Md. (301/247-1525)

Swift Chemical Co. Glen Burnie, Md. (301/760-5927) R. F. Morse & Son Wareham, Mass. (617/295-1553) L. E. Chemical, Inc. Royal Oak, Mich. (313/398-3636) Ferguson's Lawn Equip. Traverse City, Mich. (616/946-2440) Minnesota Turf Supply

St. Paul, Minn. (612/454-3106) Swift Chemical Co. Jackson, Miss. (601/366-7321) Champion Turf. Equip. Kansas City, Mo. (816/333-8000)

so your mower work harder.

Par-ex IBDU contains just enough immediately-available nitrogen to green the grass until IBDU's controlled release nitrogen starts working. You avoid the flush of growth that comes after feeding.

IBDU carefully feeds your turf for up to 7 months. How much it feeds depends on how much IBDU you use, and how much you water.

IBDU gives you predictable turf response. And makes your grass grow greener, slower, longer.

Fox Vehicles St. Louis, Mo. (314/726-3260) Big Bear Equip. Omaha, Neb. (402/331-0200) Terre Co. of N. J., Inc. Saddlebrook, N. J. (201/843-6655) Wagner Seed Co. Farmingdale, N. Y. (516/293-2920) Eastern Turf Equip. Fayetteville, N. C. (919/483-0179) Swift Chemical Co. Wilmington, N. C. (919/799-4490) Sidney L. Dryfoos Co. Cleveland, Ohio (216/439-4363) Wait Mftg. & Marine Tulsa, Okla. (918/584-3334) Lawn & Golf Supply Co. Phoenixville, Pa. (215/933-5801) Equip. Sales & Serv. Warrendale, Pa. (412/776-1916) Allen's Seed Store Slocum, R. I. (401/294-2722) Swift Chemical Co. Houston, Tex. (713/864-4496) Reinders Bros., Inc. Elm Grove, Wis. (414/786-3300) Turf Mgmt. Supplies Sun Prairie, Wis. (608/837-5598)



NEWS (from page 31)

on 100 gallons of spray and are expressed in a range of ounces. Mechanical factors such as pressure and nozzle type are calculated into the amount of Nalco-Trol needed. In addition, applicators should practice sound spraying techniques and have a knowledge of environmental factors affecting drift.

Speaking on some of these environmental factors, C. A. Smith, manager of Specialty Chemicals for Nalco, said drift is influenced by temperature, humidity, droplet size, horizontal and vertical air movement, as well as wind speed, pressure and height of nozzles. "All of these factors must be taken into consideration to minimize drift," Smith said.

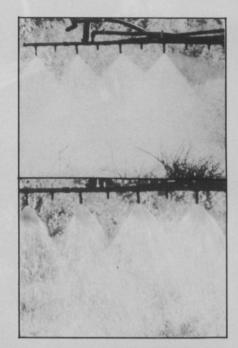
Also introduced at the news conference was another Nalco product, 2151 Pesticide Antifoam. The product was demonstrated, and it was explained that as little as onehalf to two ounces of the antifoam in a spray tank would reduce foaming caused by pesticides interacting with water. The product is said to not interfere with the action of surfactants or other spray adjuvants. Its primary advantage is reduced foaming during mixing, thus permitting the applicator to completely fill his spray tank.

Pledging Nalco's commitment to solving water-related problems of the agricultural industry, R. W. Graff, group vice president of Nalco Chemical Company, related some of Nalco's background to the group.

According to Graff, finding an industry's needs and filling them through water technology has accounted for a large segment of the company's growth. Regarding the introduction of the two water-related chemicals for pesticides applicators, Graff said, "Typically, we will penetrate a new market with our products and as we become familiar with the market and its problems, we try to expand our service to it."

"Nalco is in the business of selling specialized technology," Graff said. "The chemical products we manufacture are the tools we use to provide the technology to industry. Customers buy the results produced by the proper application of our products rather than the chemical composition of our products."

Right, top: Drift, a real problem in the application of any pesticide, is influenced by many factors. Bottom: The addition of Nalco-Trol to the spray solution noticeably reduces the number of fines (small drift droplets).





Holding an informal conference outside Stewart Center at Purdue University are the newly elected officers of the Midwest Regional Turf Foundation. From left are: John Spodnik, superintendent, Westfield Country Club, Westfield Center, Ohio, president; Danny Quast, Milwaukee Country Club, Milwaukee, Wis., vice-president; and Dr. William H. Daniel, Purdue turf specialist, re-elected executive secretary. More than 650 attended the conference.

THIS POWER MACHINE AERATES AND PRECISION-DISPENSES THREE TURF MATERIALS SIMULTANEOUSLY.

seed, fertilizer, controls, etc.

If you service lawns, or plan to, we have a complete "automated lawn service" management, training and marketing program available, free with your LAWN MAKER combine. This machine is also excellent for Greens.

57 Verdi St., Farmingdale, N.Y. 11735

For More Details Circle (153) on Reply Card For More Details On Preceding Page Circle (118) On Reply Card 36



Toro's Mobile Turf Service Expands By Five New Units

The Toro Company's mobile service program for turf products vans fitted with spare parts and diagnostic and repair equipment and staffed with trained technicians — will be extended this year to reach more than 35 percent of all Toro turf products in use in the U.S.

James Maloney, national service manager for Toro's Turf Products Group, said the additional units will all be in service before the end of March. They will be operated by Toro distributors in Florida, Wisconsin, Connecticut, Massachusetts, Rhode Island and Louisiana.

The new units are scheduled to go to these Toro distributors:

• Hector Turf & Garden, Inc., Miami, covering south Florida.

• Gulf Shore Turf Supply, Inc., Pensacola, for the northern Gulf Coast area, Louisiana and parts of Mississippi and Alabama.

• The Clapper Company, West Newton, Mass. This will be Clapper's second unit for expanded coverage in eastern Massachusetts (including Cape Cod), New Hampshire and Rhode Island.

• Reinders Brothers, Inc., Elm Grove, Wis., for central and eastern Wisconsin and Upper Michigan.

• Turf Products Corp., South Windsor, Conn., for most of Connecticut.

Units of the "Red Wagon Fleet" are already operating in the following areas in addition to the Clapper program in Massachusetts: southern California; north, central and western New York; greater Chicago; central Tennessee, Kentucky and parts of southern Indiana and Illinois; the metropolitan areas of Baltimore and Washington, D.C.; and the Tampa-St. Petersburg region of the Florida Gulf Coast.

The mobile units, developed to help eliminate costly downtime for turf maintenance equipment, provide emergency as well as scheduled service. They are equipped to provide factory parts replacement, reel and bedknife grinding and lapping, and repairs to engines, hydraulic systems and transmissions for mowers, seeders, sand rakes, and other turf equipment.

The units are operated by mobile service specialists who have graduated from an intensive training program at Toro headquarters in Minneapolis, Minn. The operators are required to take refresher courses at Toro's new turf products training school, which recently opened in the Minneapolis suburb of Eden Prairie, Minn.

Consulting Arborists Society Convened in St. Petersburg

The American Society of Consulting Arborists (ASCA), recently met in St. Petersburg Beach, Fla., and presented papers on tree evaluations, tree care and the liability of its members to possible suits from poor judgment or malpractice.

The past year's work of the Evaluation Committee with the Internal Revenue Service (IRS) and the Homeowners Division of the Insurance Services Office appears to (continued)

"We found the BOWIE HYDRO - MULCHER ideal for erosion control and establishment of new turf on the difficult terrain we have here at Sun Valley."

Kenny Zimmerman, Director of Golf and Grounds, Sun Valley Company, Inc., is responsible for the summer maintenance of Bald Mountain's ski slopes, 40 acres of hotel grounds and 105 acres of golf course. He needed a seeding unit that would give quick growing results to prevent soil erosion and yet be completely adaptable to the rugged terrain. He found his answer in the Bowie Hydro-Mulcher.

Whatever your seeding problems, Bowie Hydro-Mulcher has the answer. Get the kind of ground



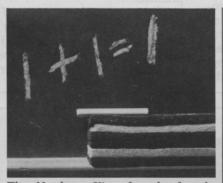
Kenny Zimmerman • Director of Golf and Grounds • Sun Valley, Idaho

cover you want and stop erosion fast. Ideal for landscaping, greens, lawns, roadsides, steep slopes and everywhere. The Bowie Hydro-Mulcher plants, seeds, sprigs, fertilizes, waters, sprays and mulches all in one easy operation. Get the facts and you'll get Bowie Hydro-Mulcher!

Call or write for complete details: **BOWIE INDUSTRIES, INC.** P. O. Box 931/Bowie, Texas 76230 (817) 872-2286

Northrup King introduces a new Kentucky Bluegrass concept:

Aquila/Parade. working as one perfect blend



The Northrup King formula for the nearly perfect Kentucky Bluegrass: 1 + 1 = 1. That's two superbly compatible bluegrasses—Aquila and Parade—working as one to create an outstanding blend component.

For a long time, turf researchers have been looking for the "perfect" Kentucky Bluegrass. They haven't found it. They've come up with some excellent varieties but not that one perfect cultivar.

Northrup King has been seeking perfection, too. And, taking a different approach, we think we've come very close to it.

Perfection, a team concept.

Since all known grasses have some sort of weakness, why not select a *team* of two grasses—with each member of the team possessing compensating strengths—and blend them in a way that's practical for use by turf professionals? This is precisely the approach Northrup King has taken.

For ten years, our researchers

have sought two superior and superbly compatible Kentucky Bluegrasses to form a high-performance, low-maintenance "blendwithin-a-blend". In Aquila and Parade, we've found the pair we've been after. Let's look at these two grasses, first as individuals and then as the Northrup King team of Aquila/Parade.

Aquila for persistence.

Bluegrass turf that's been established for three to five years tends to require significantly more maintenance in order to keep it dense and healthy. Aquila Kentucky Bluegrass provides a striking exception to this fact of turf life.

Once established, Aquila holds its density and color and maintains a healthy weed-resistant stand for longer than five years, even under low or moderate nitrogen fertilization. It also requires less moisture to maintain its color and shows tolerance to moderate drought conditions. It has a medium leaf width and attractive dark green color for textural and esthetic compatibility with a wide range of turfgrasses. Aquila is, on its own merits, a remarkable Kentucky Bluegrass. And we've teamed it with another:

Parade for durability.

The particular strength of Parade Kentucky Bluegrass is that it develops a tough sod fast. It withstands traffic better than many bluegrasses and can recover quickly from injury, making Parade excellent for athletic fields, golf courses, fairways and other hightraffic areas. With its pleasant dark green color and moderately broad leaf width, it's compatible with many turfgrasses. In combination with Aquila, it forms a nearly perfect blend component.

Aquila/Parade: low maintenance, high performance.

Together, Aquila and Parade give you a bluegrass component with more advantages than any single cultivar we've ever seen or heard about.

The Aquila/Parade team requires moderate amounts of fertilization, water and general care—factors that should help your maintenance budget considerably. Yet, in concert with other grasses that meet your requirements, Aquila/Parade will provide a uniformly attractive turf that establishes early and lasts straight through into fall. This blend component will also stand up well under traffic and give you good disease protection.

Aquila/Parade is ready. Now how do you use it?

Northrup King is committed to the blend concept, as are many turf experts today. Our experience convinces us that a good com-

12

Two bluegrasses to form a nearly component.

bination of grasses will give the best performance. So we look upon Aquila/Parade as a component to be blended with rye, fescues, other bluegrasses and/or whatever your particular conditions warrant. And, we'll gladly help you formulate the proper blend. If you'll fill out the form below, we'll give you our professional recommendation as to the best blend, using Aquila/Parade as a component. We hope you'll take us up on this offer, because we think the Aquila/Parade team is the most important Kentucky Bluegrass concept to date—as close to perfection as anybody's been able to get.

AGUILAPARADE KENTUCKY BLUEGRASSES

Name:	Title:				
Club or Company:		Phone No.:			
		City:			
For: New turf In	terseeding establish	hed turf	old turf		
Use: Prestige turf Other	□ Utility turf 🛛 A	thletic or heavily used tu	rf 🗆 Background to	urf	
Area to be seeded:	COUR TRUMPERY	Approximate pl	Approximate planting date:		
Soil type:		□ Peat Soil co □ pH □ Acid □		□ OK □ We	
Topography: Steep Disease and insect prob				Heavy shade	
Intended management:	□ Intensive	□ Moderate □	Low		
	□ Irrigated	□ Non-irrigated			
	•				

NEWS (continued)

offer promising results in the near future. The Committee reported that insurance claims on damaged trees may soon be raised from the present \$250 per tree to \$500 for the common homeowner's policy. The work of ASCA members L. C. Chadwick, F. R. Micha, R. Gustin and V. Curtis on the Evaluation Committee indicates that IRS may give homeowners a better break for casualty losses on trees.

From the University of Florida, Dr. Williard Witte brought ASCA members up to date on fertilizing practices for shade trees and Professor Charles Anderson gave members the guidelines for evaluations on citrus and pecan orchards.

The International President of the American Society of Appraisers (ASA) George Sinclair and Executive Vice President Dexter MacBride worked with ASCA members in possible ways of setting up a new category for ASA to approve the ASCA members as senior members of their Society.

At the final business meeting, the



O. J. Andersen (left) receives the gavel from the outgoing ASCA president, W. Roland Shannon. The gavel and block are from the Joyce Kilmer Oak which was on the campus of Rutgers University in New Brunswick, N.J.

following ASCA officers were elected for the coming year: O. J. Andersen, Texas, president; F. Earle Martin, Ontario, presidentelect; William P. Lanphear, Ohio, vice president; and F. Lewis Dinsmore, Missouri, secretary-treasurer. Directors for the coming year will be Walter J. Barrows, California; Nat Dunn, Tennessee; Arnold Webster, Iowa; Wilfrid Wheeler, Massachusetts; and W. Roland Shannon, Pennsylvania. Spencer H. Davis, Jr. of Rutgers University in New Jersey was reappointed as executive director.



When you talk TURF, you're really talking about a combination of several important characteristics.

Dense, aggressive root systems. Low growth. Spring color. Wear tolerance. Disease resistance.

At E. F. Burlingham & Sons, we know. Because we spent the last 70 years experimenting and developing better grass varieties for your use. Among the latest:

BONNIEBLUE. An attractive, dark green Kentucky bluegrass with good disease resistance, rapid rhizome development and excellent overall turf performance.

SYDSPORT. A rich green Swedish Kentucky Bluegrass with exceptional root density and winter hardiness, making it excellent for areas where wear tolerance is required.

KOKET. A low growing chewings fescue known for its bright green color and adaptation qualities which allow it to grow well, even under adverse weather and soil conditions.

BONNIEBLUE, SYDSPORT and KOKET from E. F. Burlingham & Sons. Just some of the many reasons why... when you talk about TURF, you talk about Burlingham.

E. F. Burlingham & Sons, P.O. Box 217, Forest Grove, OR 97116. Phone: (503) 357-2141; Telex 36-0274; Cable: Burlingham.

E. F. BURLINGHAM & SONS

