Penncross Bentgrass scholarships were presented to five turf students at the 1975 Penn State Turfgrass Conference held at University Park, Pa. Recipients of the scholarships were (from left): Keith J. Snyder, Stroudsburg, Pa.; Douglas G. Spaulding, Decatur, Ill.; Michael L. Reid, Sarnia, Ontario; Scott Lamb, executive secretary of the Penncross Bentgrass Association, and presenter of the scholarships; William R. Roberts, Libertyville, Ill.; and Douglas A. Brede, Pittsburgh, Pa.

Drift Control Agent, Antifoam Introduced by Nalco Company

Drift. That’s a dirty word to anyone who sprays chemicals, whether he is a custom applicator, a sod producer or a golf course superintendent.

Chemicals that don’t make it to the intended target are simply wasted. Not only that, time and money is also wasted if respraying becomes necessary. But probably the most negative aspect of drift is the potential injury to the surrounding non-target vegetation.

While drift may never be completely obsolete, the Nalco Chemical Company of Oak Brook, Ill., is working toward that end with the promotion of a new drift control product — Nalco-Trol Drift Control Additive.

At a recent news conference for editors and broadcasters representing agricultural and non-crop vegetation markets, Nalco officials defined drift as the movement of spray particles or droplets away from the spray site before they reach the target plant. They emphasized that drift works against the applicator in his efforts to get the job done quickly and accurately. Usually, drift involves a physical movement of the droplets, but it was explained that drift can also include evaporation or vaporization.

According to John D. Ingraham, sales manager of Nalco’s Agricultural Products Department, Nalco-Trol works by creating a cohesive stream of liquid, holding together some of the satellite spray particles. Droplets smaller than 150 microns are massed into larger particles.

Ingraham said laboratory research as well as extensive field applications have shown that Nalco-Trol can make a positive contribution to herbicide application.

“The ability to deliver more spray material to the target area has improved the overall application,” Ingraham said. “We believe that Nalco-Trol gives the applicator, both aerial and ground, a valuable tool which will aid him in the wise and careful application of herbicides.”

The Nalco-Trol anti-drift concept is unique among available methods in that it works with standard application equipment, Ingraham reported. Spray equipment that uses mechanical or bypass agitation does not have to be modified. Mix tank solutions and sprayed solution viscosities are maintained with the addition of Nalco-Trol.

Rates of the product are based

Committee Seeks Support For National Arbor Day Bill

In a special appeal to the International Shade Tree Conference, the National Arborists Association and the Society of Municipal Arborists, Harry J. Banker, executive secretary of the Committee for a National Arbor Day, requested an all-out effort to support passage of the National Arbor Day bill proclaiming the last Friday in April as Arbor Day.

The measure is a continuing effort on the part of the Arbor Day Committee to secure the passage of this legislation. With the support of many national publications and arboricultural, horticultural and agricultural organizations, the Committee was successful in having National Arbor Day bills passed in 1970 and 1972, resulting in the President’s proclaiming the last Friday in April as National Arbor Day for those years only. Passage of permanent legislation in 1975 is the goal of the National Arbor Day Committee.

University Grounds Director Cited for Managerial Skill

Roy K. Rasmussen, director of grounds at the University of Nebraska-Lincoln, was presented an award for excellence in management at a meeting of the University Association for Administrative Development.

The annual award was established in 1973 to recognize University employees who demonstrate outstanding skills in management.

Rasmussen, who has been with the University for 10 years, is responsible for the care and maintenance of the outdoor areas of both the 213-acre City Campus and 170 acres on the East Campus.

Rasmussen was cited for the speed with which he has reclaimed landscaped areas torn up during extensive campus construction, his leadership in placing women in meaningful positions within the Department, his work with disadvantaged and hard-to-employ workers and his efficiency in emergency operations such as snow removal.
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 nematicide 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 within 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, fescue, rye grass and dichondra. It is also said to prevent and control Alternaria leaf spot and Geosporium 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 six-day post-convention trip to Mexico City.

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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 one-half 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.
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.

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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 on 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 following ASCA officers were elected for the coming year: O. J. Andersen, Texas, president; F. Earle Martin, Ontario, president-elect; 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.

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Financing Municipal Golf Courses

Fifty years ago, most golfers played at private clubs. But the increasing popularity of the game, combined with growing population and affluence, has reversed the acute shortage of golf courses. Today, 45 percent of all golfers play municipal facilities, 35 percent play at daily fee courses, and only 20 percent belong to private clubs.

The growing popularity of the game has created an acute shortage of golf courses.

As the nation grows more concerned about physical fitness and preserving its greenbelt areas, municipalities become more interested in providing recreational facilities in natural settings. Developing new golf courses meets both needs. A high-caliber golf program is also influential in attracting new industry and business to a community.

Most municipal golf courses are financed through the sale of general obligation bonds. Such financing is based on the municipality's credit and taxing power and must be approved by the public.

Many municipal golf courses have also been financed through tax-exempt revenue bonds, payable from the net income derived from operating the course. Depending on state statutes, revenue bond issues may also require public approval.

However, there are additional financing options available to municipal planners. All should be explored to select the best plan for the situation. These additional options include the following:

(continued)
A Legacy of Parks — The Surplus Property Program: Federal government properties declared surplus are made available as parklands to local governments through 1970 legislation. State and local governments are notified of availability and can apply for title to the Bureau of Outdoor Recreation. The federal government deeds this land at little or not cost.

Land and Water Conservation Fund: The Bureau also makes matching grants to states and, through them, to municipalities for public recreation areas including golf courses. To qualify, a state must develop a comprehensive statewide outdoor recreation plan and update it regularly.

Farmers Home Administration Loan Program: To develop facilities for use in rural areas, the Administration is authorized to make loans to communities unable to raise funds from commercial sources. Applications can be made at county offices of the Administration.

For a copy of a list of federal assistance programs related to outdoor recreation, write U.S. Government Printing Office, Superintendent of Documents, Washington, D.C. 20402. Interested communities can obtain a list of golf course architects by writing: American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, Ill. 60601.

SHUTOUT (from page 15)

After the greens become established, Mooienaars slacks off only slightly with his fertilizer and spray program. All through the winter months, the greens are sprayed every 10 days to 2 weeks on a routine basis. They are fertilized every 2 weeks for a more consistent fertility level. Heavy applications at less frequent intervals would be leached out through the porous soil by heavy rains.

Because of the extreme heat on certain days, he waters 3 to 4 times each day but for only a short period of time. “This keeps the greens cool and gets the seed off to a good start,” he states.

Normally, Mooienaars tries to water the greens in the morning while covering the fairways at night.

Getting his greens off to a good start has rewarded him with a long, healthy stand throughout the spring. “We had rye here last year until May, although it was beginning to thin out a bit in April,” he says.

“Mr. O’Malley (Walter O’Malley, owner of the L.A. Dodgers) is an avid golfer as well as a baseball fan,” says Mooienaar. “He encourages all of the players to get out on the courses.”

“In fact, the Dodgers use the courses to build good community relations with the people of Vero Beach. Each year they host a tournament where the Safari Pines members and the Dodgers get together. Each foursome includes a team member. The community really supports the team, too,” he says.

After the baseball players leave in April, Mooienaar takes a breather — but it’s a short one. He has to get the complex in shape for the arrival of the New Orleans Saints football team in mid-July. Last year was the first year that the Saints leased the facility for summer camp but he looks forward to having them back on a regular basis.

“Mr. O’Malleyaire the Saints’ cleats aerify the outfield for me,” he says.