

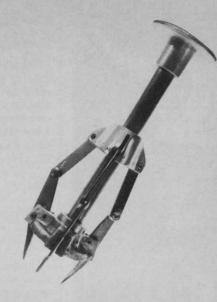
### ET TRUCK, Larkin Aircraft Co., nville, Calif.

Jobber is a rugged miniature, wheeled truck that can carry an tor and 250 pounds up a gree grade. It weighs 135 lbs. osts less than \$350. Bed area, 10 or 31"x35"x15" and is 9" from d; folding ramp; turning radius, ; speeds to 25 mph; wheelbase, width, 53"; length, 68". For more s, circle (712) on the reply card.



### UREAFORM FERTILIZER, Du Pont Co., Wilmington, Del.

Uramite is a ureaform fertilizer with a high content of long-lasting, gradual release nitrogen. Labor-saving — one application lasts 6 to 8 months. Nonleaching, free-flowing, non-burning, clean, odorless and non-corrosive. Uramite is ideal for golf courses, parks lawns, highway roadside turf, ornamentals, potted plants and nursery stock. Formulations come in both granular and sprayable. For more details, circle (713) on the reply card.



### DIVOT-REPLACER, American Mfg. Co., Des Moines, Ia.

New — just in time for Christmas — a hand-size professional greenskeeper quality divot-replacer. Lightweight (15 oz.) and easy to carry (10 inches long, 3½ inches in diameter). Sturdy aluminum construction. For more details, circle (714) on the reply card.



(ER, The Broyhill Co., a City, Neb.

royhill Co., announces the availy of the most complete line of and garden power sprayers in dustry. Different models include r-drawn sprayers, cart-mounted n) and platform mounted. Sizes 12½-gal. capacity; maximum ing pressures to 1,000 psi. Dealer ries invited. For more details, (718) on the reply card. HYDRAJUST TRACTOR SEAT, Rotary Power, Inc., Houston, Tex.

Safety and efficiency are the features. Seat fits most makes and models of tractors, allowing operator to remain level while the tractor is on a slope up to 33 degrees. Seat is adjustable forward and back to provide optimum degree of comfort and safety. Driver's weight, by means of a hydraulic cylinder, automatically adjusts seat to level position, thus eliminating traditional back problems, and insuring better operator control. For more details, circle (719) on the reply card.



### HAND CLEANER, Goodrich Products, Houston, Tex.

Goodrich 745 Hand Cleaner is a waterless-type cosmetic-base cleaner that contains no harsh abrasives, ammonia or kerosene. It contains a bacteriostat to reduce the possibility of bacterial skin infection and the incidence of industrial dermatitis. Package quantities are 16 and 32 ounce in new heavy-duty polyethylene cans; 80 and 90 ounce in plug bottom cans; five-gal. in reusable plastic bucket; 55-gal. in open top drum. For more details, circle (720) on the reply card. ew Produc



# **O217**<sup>®</sup> RAH! RAH! RAH!

Cheers can be heard all over the north temperate zones of the world for this giant among lawn seeds. Outstanding on all counts, Fylking Kentucky bluegrass is resistant to a wide range of diseases, including leafspot and stripe smut. Drought and winter tough, fine leaves of deepest emerald green grow in unusual density due to abundant sideshoots. Fylking produces no ugly seedheads, can be cut low as  $\frac{1}{2}$ inch for home putting greens, 3/4 inch for velvety carpet-like lawn. All facts proven in 12 years of international testing by noted authorities. Next lawn, seed or sod with 0217<sup>®</sup> Fylking Kentucky bluegrass (U.S. Plant Patent 2887). At your seed distributor. Write Jacklin Seed Co., Dishman, WA 99213 for information.



## New England ISTC Lists December Conference Topics

What's your tree problem?

If it is: pesticide substitutes for chlorinated hydrocarbons, Dutch elm disease, the role of shade trees in conservation, roadside salt, waste wood disposal, labor, air pollution damage, downtown street tree planting or botany in the grocery store ...

You will hear discussion of these subjects at the New England Chapter of the International Shade Tree Conference. The date is Dec. 2 and 3. The place is the Sheraton-Eastland Hotel in Portland, Me.

The conference agenda includes equipment exhibits and demonstrations and a women's program, reports President George W. Goodall.

Speakers include Richard A. Howard, director of Arnold Arboretum at Harvard University; John R. Hansel, executive director of the Elm Research Institute, John J. O'Riely, commissioner of the Federal Mediation and Conciliation Service, Dr. Richard J. Campana of the University of Maine; and J. A. Kimmel, director of parks for Toronto and president of the International Shade Tree Conference.

The conference opens at 9 a.m. Dec. 2 and ends with the business meeting beginning at 1:30 p.m. Dec. 3.

# Nunes and Jacobsen Merge Turfgrass Nurseries

John F. Nunes, Jr., president of Nunes Turfgrass Nurseries, Inc., Patterson, Calif., and Edward R. Jacobsen, owner of Ed Jacobsen Turfgrass Nurseries, Tehachapi, Calif., announce the formation of Nunes-Jacobsen Sod, Inc., with offices at Tehachapi.

Both Nunes and Jacobsen have been associated with the turfgrass industry for many years, with Nunes pioneering the "instant lawn" industry in Northern California in 1962 and currently the largest producer in that area. Jacobsen has been associated with Jacobsen Brothers Turf Nursery for many years and has recently started his own turfgrass growing operation in Southern California.

Both Nunes and Jacobsen said the formation of Nunes-Jacobsen Sod, Inc., has been developing for the past two years and that an additional source of quality turfgrasses in Southern California is needed to satisfy the demands of this rapidly growing industry.

Edward R. Jacobsen, has been



"If I don't sell a job soon, I'm fired!"

named president, John F. Nunes, Jr., vice-president-treasurer and Edward S. Mutoza, secretary.

# Some 2,4,5-T Contaminated, Most Test Okay, Says USDA

Sample lots of 2,4,5-T have been found to be contaminated with excessive amounts of the dioxin TCDD, reports the U.S. Department of Agriculture.

Manufacturers and formulators have been warned that regulatory action will be taken if their products are found to be contaminated with toxic chlorodioxins.

Monsanto Company of St. Louis, whose samples yielded relatively high levels of the contaminant, has told USDA it has ceased manufacture of the herbicide and is reprocessing all remaining stock of 2,4,5-T to eliminate the problem.

Industry spokesmen, said USDA, have indicated the remaining manufacturers of the chemical are taking steps to avoid the problem, which is associated with the manufacturing process.

Tests for the presence of the dioxin in 2,4,5-T and 16 other herbicides, fungicides, and insecticides were launched by USDA after the discovery of its presence in a study by Bionetics Research Laboratories. A high level of the contaminant is suspected of causing birth deformities in laboratory animals.

"The majority of the samples tested," reported USDA, "have shown the contaminant to be generally present in 2,4,5-T only at very low levels, which constitutes no known hazard to human health."

The present department action is based on the first report of its scientists studying dioxins. The investigation is continuing on the other polychlorophenolic pesticides.





When answering ads where box number only is given, please address as follows: Box number, c/o Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

Cleveland, Ohio 44102. Rates: "Position Wanted" 10¢ per word, mini-mum \$3.00. All other classifications 20¢ per word, minimum \$4.00. All classified ads must be re-ceived by Publisher the 10th of the month pre-ceding publication date and be accompanied by cash or money order covering full payment. Bold-face rule box: \$25.00 per column inch.

### USED EQUIPMENT

**ROSEMAN 7-gang mowers, \$900 to** \$1,200.00. 13-gang Roseman, \$2,000.00. Ryan 18" sod cutter with Roll Ryder attachment, \$895.00. Ryan 18" cutter, \$200.00. 17½ acres sod, \$5,000. Foulkes Sod, Fall River, Wisconsin 53932. Phone: 414 484-3941.

FOR SALE — Model 2460 Vermeer stump grinder. Very little time, ex-cellent condition or will trade plus cash on a 45-52 ft. aerial bucket. Custom Tree Surgery Company, 3714 Waupun Road, Oshkosh, Wis. 54901.

SPRAYERS, chippers, log splitters and other equipment at large savings. Let us know your n e e d s. Equipment Sales Company, 4744 Sunrise Highway, Massapequa Park, N. Y. 11762.

### SALESMEN WANTED

EXPANDING Tree Service Com-pany in Northeast—looking for aggressive and experienced salesmen to develop new territories and build up existing ones. Starting pay of \$10-15,000 commensurate with education, experience, and ability. Com-mission also paid on profits earned. Company car furnished; pension plan; paid hospitalization; excellent future. Send resume (with current annual sales and earnings) to: (Box 60, Weeds, Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

### FOR SALE

AUSTRALIAN BUSINESS - Agricultural Chemicals - Custom Applicators. This firm specializes in Agricultural and Industrial Weed Control. It is firmly established in three eastern States and there is potential for expansion to the re-maining States and New Zealand. Opportunities in allied fields are excellent. An ideal proposition for a chemical or pest control company seeking a comprehensive introduc-tion to the Australian Market. Any reasonable proposition will be confidentially considered by the Founder-Manager who is anxious to ensure the future of this unique organization before retiring. Address all inquiries to: "Chemicals," P.O. Box 767 G, G.P.O. Melbourne, 3001, Vic., Australia.

# **Toro Enters Hydro-Mulching:** Posts 6th Straight Top Year

Toro Manufacturing Corporation. Minneapolis, producer of powered turf-care equipment, has purchased Tex-Way Industries, Inc., Fort Worth, Tex., developers of specialized environment control equipment.

The acquisition, for an undisclosed price, gives Toro a series of hydromulching machines, said Toro president David T. McLaughlin. The hydro-mulchers are used to establish vegetation on various types of terrain by spraying mixtures of water, seed, fibrous mulch and fertilizer.

Tex-Way, less than a year old, was headed by Ralph E. Martin, who becomes a Toro consultant. Tex-Way's general manager, Ralph W.



Colloidal Products Corporation, claiming to be the only company in the world specializing entirely in adjuvants for agricultural chemicals, celebrated its 50th anniversary this year by building a new home near Petaluma, Calif. The move to the plant-research-office complex was completed Sept. 1. It is situated on about four acres 35 miles north of San Francisco, where Colloidal was founded in 1920, and 30 miles from Sausalito, where it has been located for the past 13 years. In explaining the relocation, President Ed Littooy, who has been with the firm 45 years, noted that "we've had four locations since we started, and each time we've grown right out of the place." Colloidal's new address is P.O. Box 621, or 1300 North McDowell Blvd., Petaluma, Calif. 94952, telephone (707) 763-2675.

Gebhardt, has been named sales manager for this new Toro venture, the first in a new Toro profit center named Eco/systems.

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McLaughlin said development and marketing of the hydro-mulching machines will be directed by Edward A. Hunnicutt, manager of special projects in the division of corporate development.

The hydro-mulching method of establishing turf has been adopted for major construction programs, particularly federal interstate highway systems. Other applications include parks, athletic fields, playgrounds, golf courses, housing developments, and land reclamation work, such as strip mine areas and other terrain where growth establishment is difficult.

McLaughlin said that one hydromulching machine can cover up to five acres in 15 minutes in a onestep operation that eliminates the immediate follow-up maintenance that seeding normally requires.

Toro's new hydro-mulching machines, which range in capacity from 500 to 3,000 gallons and are priced from \$5,000 to \$8,000, are designed to handle all the spraying chores landscape contractors may encounter, including chemical spraying, liming, firefighting and watering, as well as hydraulic seeding, mulching, and fertilizing.

The purchase announcement was coupled with one reporting that Toro had increased sales and earnings for the sixth consecutive year.

McLaughlin said sales for fiscal 1970 were \$57,757,000, an 11% gain. Net earnings advanced 7% to \$2,-918,000 and \$2.88 per share.



AN ELM TREE, developed over the past 13 years by the Canadian government, is said to be resistant to Dutch elm disease. Although the tree grows only half as fast as the American elm, Canadians believe newer generations can be made to grow faster. Known as the Quebec elm from its origins at l'Assomption, the new strain is expected to be on the commercial market within a vear.

\* \* \*

U.S. FOREST SERVICE has announced a breakthrough on Dutch elm disease research. Scientists at the Syracuse University and the Forest Service's Delaware, Ohio, laboratory reveal that virgin female beetles produce a chemical scent highly attractive to flying male and female elm bark beetles. Chief Edward P. Cliff says the scientists are now working to isolate, identify, and artificially produce the attractant. They think a man-made substitute can be used to regulate populations of the destructive beetles. \* \*

HELICOPTERS have been used to seed the fairways of a golf course under construction at Country Club Village near Uniontown, Ohio. Lewis Busler, president of Iberia Earth Movers, said the helicopter can do as much in two minutes as his normal crew could do in two days. Water was mixed with the seed to get the proper pattern. Wind currents from the helicopter blades force the seed into the ground, Busler added.

THE DENVER POST and Western Federal Savings co-sponsor a Lawnof-the-Month contest. The competition, says The Post, is to foster greater pride in homes and to keep Denver one of the most beautiful residential cities in the nation.

**CERTAIN SPECIES OF FISH** are collaborating with scientists in the battle against water pollution. The fish, placed in tanks in a stretch of the Vistula, Poland's longest river, give warning when there is a sudden deterioration in natural conditions. But soon the fish may be unemployed. Their work is being taken over by a computer-based monitoring system, which also will issue instructions to correct the situation. The project, known as POL-5, is being carried out by the World Health Organization.

# VPI Research Center Serves \$100 Million Turf Industry

"Research involving turfgrass assumes greater importance as our society becomes more urban," said P. H. Massey Jr., at the recent dedication ceremonies of Virginia Tech's new Turfgrass Research Center.

Massey, associate dean and director of the agronomic and plant sciences division of the College of Agriculture, Virginia Tech, told some 400 persons attending the Virginia Tech Turfgrass Field Days, that 225,000 Virginia acres are in fine turfgrasses.

It is estimated 135,000 acres are growing grass around individual homes. Industry uses about 25,000 acres for its lawns. Schools and colleges can count another 12,000 acres in grass. Golf courses, cemeteries, roadsides, parks, athletic fields and other turfed areas all help to make turf production big business in Virginia.

It is about \$100 million of Virginia's annual economy.

"That, together with the grassgrowing problems presented by Virginia's location in the transitional area of cool and warm season turfgrasses, makes a strong research program necessary," Massey remarked.

The Virginia Tech Turfgrass Research Center is on 25 acres with a suitable laboratory building devoted to literally hundreds of tests. On one area, 40 different strains of bluegrass are under test one against another. Large tracts are planted to bentgrasses with various fertilizer applications to permit researchers to study the plants' reaction. There are searches for new varieties and most effective grass seed mixtures. Me-



chanical equipment is studied for its value on lawns and turfed areas.

C. T. Wilson, associate dean and director of agriculture and life sciences in the Virginia Tech Research Division, spoke of the facility as part of the agronomy department. "It provides a facility where agronomists, horticulturists, plant pathologists and physiologists, agricultural engineers and other scientists can work together."

Of the total cost of establishing the turfgrass research center, about 70% came from outside sources. Tollie H. Quinn, Richmond equipment dealer, served as chairman of a special committee to obtain funds for the center.

Lee C. Dieter, president of the Virginia Turfgrass Council, presented a check to furnish equipment for the new building. It represented contributions from the lawn equipment industry in Virginia.

# EEI Announces Purchase Of Green Valley Landscaping

Environmental Industries, Inc., Encino, Calif. has acquired Green Valley Landscaping, Inc. and Green Valley Weed and Pest Control of San Jose, Calif., for an undisclosed amount of cash, note and stock.

Green Valley Landscaping is believed to be the largest independent company in industrial and commercial landscape maintenance in the United States. Green Valley performs industrial garden maintenance in Northern and Central California and will enlarge the scope of the company's Environmental Care. The firm has many long term maintenance agreements with various local, city, county, and other governmental agencies, as well as major California industrial facilities. J. M. "Joe" Marsh, President, will remain in charge of operations.

EII is primarily involved in landscape construction. This acquisition will provide services for permanently maintaining many of the projects presently being installed.

Valley Crest Tree Company, division of Environmental Industries, Inc., Encino, Calif., recently transplanted one of the largest known Ficus Microphylla specimen trees at the South Bay Club Anaheim project. The tree stood 50 feet high and had a 40-ft. spread. An 8-ft. box was built around the root system for moving. Landscape architect was Carter & Clarke. Valley Crest, with offices in Los Angeles, Santa Ana, San Diego, and Los Altos, is one of the largest specimen tree movers and growers in the state.

# Princep gets the weeds. And that's all.

Apply our Princep<sup>®</sup> brand of simazine herbicide before weeds emerge. You'll get the weeds. And that's all.

In fact, one application controls most annual and many perennial broadleaf weeds and grasses for a full season.

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For further information about Princep and our other herbicides, AAtrex,<sup>®</sup> Pramitol<sup>®</sup> and Atratol,<sup>®</sup> write to us.

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