ET TRUCK, Larkin Aircraft Co.,
Ontario, Calif.
Jobber is a rugged miniature,
wheeled truck that can carry an
air and 250 pounds up a
three grade. It weighs 135 lbs.
and costs less than $350. Bed area,
or 31"x35"x15" and is 9" from
the ground; folding ramp; turning radius,
5 degrees; speeds to 25 mph; wheelbase,
53"; length, 68". For more de-
tails, 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. Non-
leaching, free-flowing, non-burning,
clean, odorless and non-corrosive. Ura-
mite is ideal for golf courses, parks
lawns, highway roadside turf, orna-
ments, potted plants and nursery
stock. Formulations come in both gran-
ular and sprayable. For more details,
circle (713) on the reply card.

DIVOT-REPLACER, American Mfg. Co.,
Des Moines, la.
New — just in time for Christmas — a
hand-size professional greenskeeper
quality divot-replacer. Lightweight (15
ounces) and easy to carry (10 inches long,
3½ inches in diameter). Sturdy alumi-
num construction. For more details,
circle (714) on the reply card.

HER, The Broyhill Co.,
a City, Neb.
Broyhill Co. announces the avail-
ability of the most complete line of
garden power sprayers in
industry. Different models include
pull-drawn sprayers, cart-mounted
units and platform mounted. Sizes
range from 12½-gal. capacity; maximum
operating pressures to 1,000 psi. Dealer
interest invited. For more details,
circle (718) on the reply card.

HYDRAJUST TRACTOR SEAT,
Rotary Power, Inc., Houston, Tex.
Safety and efficiency are the fea-
tures. Seat fits most makes and mod-
els of tractors, allowing operator to
remain level while the tractor is on a
slope up to 33 degrees. Seat is adjust-
able forward and back to provide opti-
mum degree of comfort and safety.
Driver's weight, by means of a hydrau-
lic cylinder, automatically adjusts seat
to level position, thus eliminating tra-
tional back problems, and insuring
better operator control. For more de-
tails, circle (719) on the reply card.

HAND CLEANER, Goodrich Products,
Houston, Tex.
Goodrich 745 Hand Cleaner is a water-
less-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 quanti-
ties 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.
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 1/2 inch for home putting greens, 1/4 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® Fylking Kentucky bluegrass (U.S. 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


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.

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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 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.
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 remaining States and New Zealand. Opportunities in allied fields are excellent. An ideal proposition for a chemical or pest control company seeking a comprehensive introduction 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 hydro-mulching 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. Gebhardt, has been named sales manager for this new Toro venture, the first in a new Toro profit center named Eco/systems.

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 hydro-mulching machine can cover up to five acres in 15 minutes in a one-step 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 year.

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 F. Clift 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 Lawn-of-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 turgrasses.

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 grass-growing 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. Mechanical 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 physiologists and crop scientists can work together."

Of the total cost of establishing the turfgrass research center, about 70% came from outside sources. Toille 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.

EEI is primarily involved in landscape construction. The acquisition will provide services for permanent maintenance of 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.
Apply our Princep® 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. That's how effective it is.

But the amazing thing is how safe Princep is.

First of all, there's no leaching with Princep, so nearby ornamentals and plantings aren't damaged.

There's little danger from spray drift, because Princep has no foliar action. And Princep is not volatile. So you don't have to worry about damage from vaporization.

On top of all this, Princep saves you money over mechanical methods. Use it once and that's it. You'll save on the amount of labor needed without giving up any control.

For further information about Princep and our other herbicides, AAtrex®, Pramitol® and Atratol®, write to us:

Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation, Ardsley, New York 10502.

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