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It also pays to use Roundup when you're working around expensive ornamentals—because Roundup won't wash, leach or carryover in the soil. And

Roundup is virtually odorless and environmentally sound.

Use Roundup wherever you've been hand-weeding—around patios, flower beds, curbs, walkways, driveways, mulched areas, fences and steps. The choice is simple. You can spend valuable time hand-weeding. Or you can use Roundup to help you make more money. Now, that's using your head.

*Based on the cost of Roundup only to treat low growing vegetation.

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UPDATE

GCSAA promotes Prusa

Jim Prusa, director of education for the Golf Course Superintendents Association of America, has added a new facet to his job - that of associate executive director.

John M. Schilling, executive director, said the appointment of Prusa will fill a long-standing need in the Association for a definite second executive in command.

"His responsibilities will include direct participation in the financial management of the Association as well as all operational decisions," said Schilling.

Witteveen Canada's top super

Gordon Witteveen, golf course superintendent of Toronto's prestigious Board of Trade Country Club, was named Canadian Golf Course Superintendent of the Year.

CGSA President-elect Steve Miller said Witteveen was a driving force behind the formation of the CGSA and was instrumental in establishing the Greenmaster as the voice of the Canadian turfgrass industry.

"Florida Golfweek" tops - again

Out of a record 145 entries in seven categories, Fore and Florida Golfweek continued their domination of the Harry C. Eckhoff Award contest by taking first places for the third straight year in a row in their categories.

The contest, sponsored by the National Golf Foundation, honors excellence in golf journalism in local and regional publications and newsletters produced by golf-related organizations.

Fore, entered by Charles Bob, formerly of the Southern California Golf Association in North Hollywood, took first in the quarterly magazine division, while Florida Golfweek, published by Charles Stine of Winter Haven, won in the weekly newspaper category.

Builders honor NGF staff

The National Golf Foundation field services staff has been recognized and officially applauded by the Golf Course Builders Association of America for its efforts in golf facility development. The NGF was recognized for providing "continuous impetus to the development of golf courses in the United States."

Don A. Rossi, executive director of the builders' organization and former NGF executive director, said the award was the first of its kind for the Foundation.

NGF efforts in golf course development began in 1936. Since then, more than 7,000 golf facilities have opened in the United States.

PEOPLE

Cushman's Bozarth dies in North Carolina

John Bozarth, veteran district sales manager for the Cushman Division of OMC Lincoln, died Jan. 2 in Shelby, NC. Bozarth joined OMC Lincoln in 1965 and worked with company-oper-



ated stores for three years before joining the marketing division for Cushman turf equipment.

A former director of the Golf Car Manufacturer's Association, Bozarth was active in several regional turfgrass associations as well as the Elks Lodge.

PESTICIDES

Pesticide info system operational

If your business has a computer terminal with telephone transmission accessories, the National Pesticide Information Retrieval System (NPIRS) is now at your fingertips.

NPIRS is a computer data base resource that describes the key characteristics of the 50,000 pesticides registered with the Environmental Protection Agency as well as thousands of state registrations. EPA cooperates with NPIRS by updating its data weekly, and to date, 12 states have also submitted registration information to the computer system.

Started as a pilot program two years ago, NPIRS went into full operation late last year after a successful test period. NPIRS is a joint program involving Purdue University and the U.S. Department of Agriculture. The USDA, EPA, National Pest Control Association, 12 states and a manufacturer representing the pesticide industry all helped implement the system.

continued on page 16



“I don't need different tractors for different jobs. I need one tractor to do every job.”

Every landscaping job requires a different combination of grading, loading, moving, leveling and tilling. That's why I like my International[®] 784 tractor. It has the right features for me.

Durability features like a clean-burning diesel engine, hydraulic disc brakes, independent PTO, Dyna-Life[®] clutch and quick-response hydraulics to keep me working efficiently.

Comfortable, too. Thanks to convenience features like the walk-through operator's platform, hydrostatic power

steering, right- and left-hand control consoles and fully synchronized transmission. Plus the Hi-Lo-Reverse range lever that lets me quickly shuttle between forward and reverse—a real time saver in loader work.

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Value, Versatility and Reliability.

TRACTOR	PTO HP*	TRACTOR	PTO HP*
484	42.4	684	62.5
584	52.5	784	67.4
Hydro 84	58.7	884	72.9



INTERNATIONAL HARVESTER

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*Official Test

"... The Andersons has consistently proven to Dow how effectively our Dursban® insecticides can be beneficially combined with their fertilizer formulations for double-barreled professional performance.

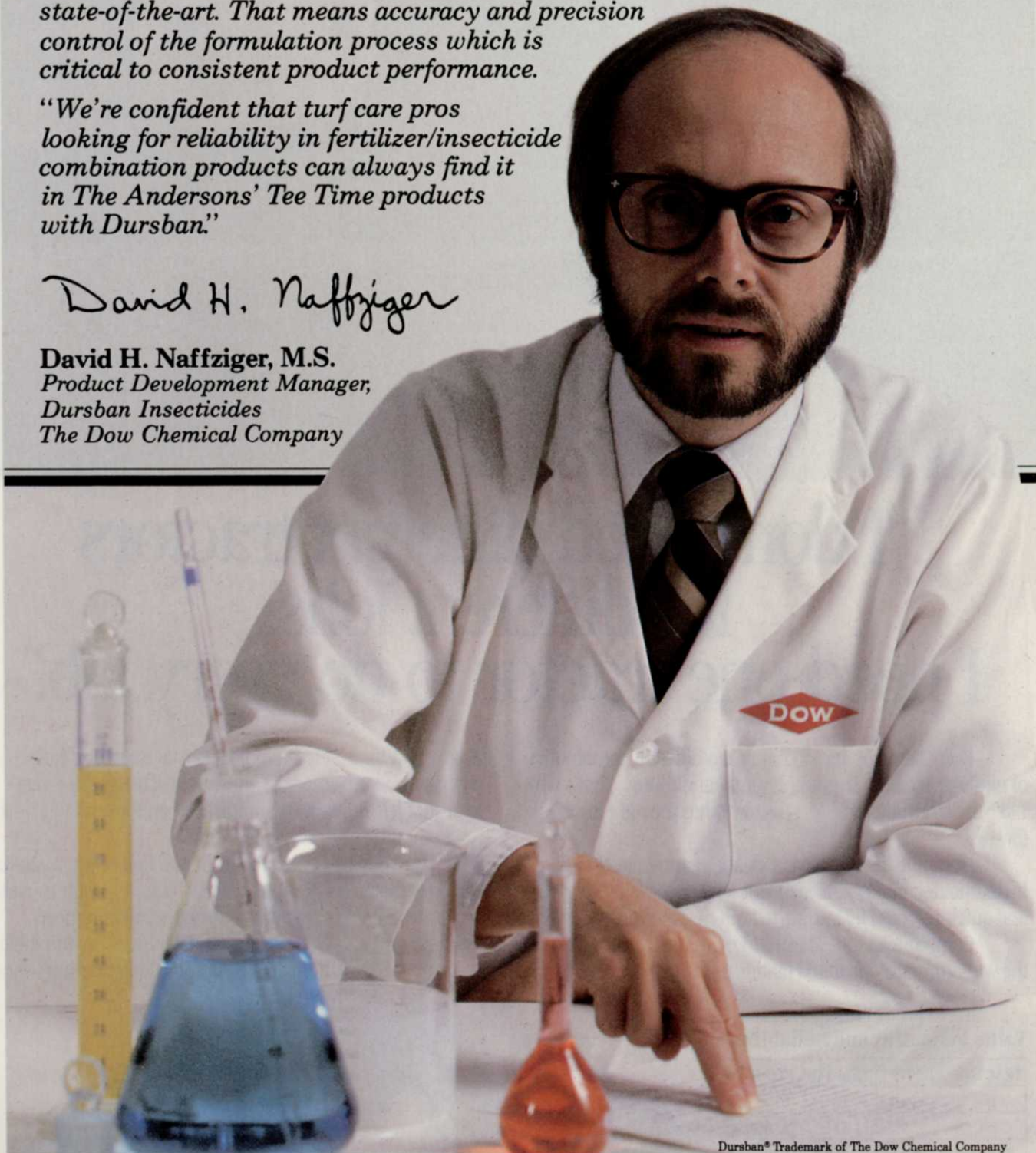
"There's no question that Dursban insecticides are one of the most versatile, safe, and dependable insecticides which modern chemistry has produced. The Andersons expertly incorporate Dursban into Tee Time fertilizer/insecticide combinations that also give turf pros the added benefit of simultaneous turf feeding. Now, that's effective, efficient and economical.

"What's more, The Andersons' new production facilities are computerized and state-of-the-art. That means accuracy and precision control of the formulation process which is critical to consistent product performance.

"We're confident that turf care pros looking for reliability in fertilizer/insecticide combination products can always find it in The Andersons' Tee Time products with Dursban."

David H. Naffziger

David H. Naffziger, M.S.
*Product Development Manager,
Dursban Insecticides
The Dow Chemical Company*



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partner™**

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Andersons**

*You know our turf proven
quality. Now, meet a pro close
by who can help you get all
our value/performance
benefits:*

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BUNTON SEED CO.

Louisville, Kentucky
502-584-0136

CORY ORCHARD SUPPLY

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317-634-7963
Contact: Sue Stelmack
Pat Kelley

LAWN EQUIPMENT CORP.

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LANDSCAPE

UPDATE

Restrictions raise nurserymen's ire

According to a National Landscape Association bulletin, Ohio is the most recent state to introduce legislation, which, if enacted would provide the basis for restricting landscape nurserymen from providing landscape design services.

In Ohio, landscape architects are seeking the restricted legislation, citing public health and safety as the need. At the present time, landscape architects and nurserymen in Ohio are negotiating over revised wording which could be supported by both groups.

Canadians study apprenticeships

An apprenticeship program for the landscape gardener trade is being established in Alberta, Canada.

The apprenticeship program, under direction of the "Apprenticeship and Trade Certification Branch" of Alberta Manpower is a combination of on-the-job technical training which leads to certification as a qualified journeyman. It involves learning the trade through observation, practice, study and attending technical courses. Apprentices will work under qualified trades people under an agreement between the apprentice and the employer.

The program is still in the development stages, but Ron Oudyk, chairman, Trade Certification Committee LANTA, says the committee hopes to have it implemented for the '84-'85 school year.



1984 ALCA Officers Elected include (left to right) Second Vice President Joe Carpenter, First Vice President Karl Korstad, Vice President-Finance Irvin Dickson, President-elect Rod Bailey, President Landon Reeve IV, Secretary Bruce Hunt, LMD Chairman Jack Mattingly, ILD Chairman Robert Maronde, and Immediate Past President David R. Pinkus.

UPDATE

100 organizations form toxic hazard coalition

Environmental groups, labor unions, and even senior citizen organizations have joined together for a major door-to-door campaign starting this spring to increase the average citizen's "knowledge" about toxic chemicals.

David Dietz, director of the Pesticide Public Policy Forum (3PF) told *Weeds Trees & Turf* more than 13 unions and 55 environmental organizations will participate in the national campaign. Beside knocking on doors across the country, the group is expected to ask for signatures for a petition for tougher chemical laws.

A report on this organization and recent legislation in various states will appear in the May issue.

Ruckelshaus sees little chance for 84 FIFRA without compromise

EPA Administrator William Ruckelshaus has admitted there is little hope for a new set of amendments to the Federal Insecticide Fungicide and Rodenticide Act in 1984, unless both sides work out compromises on their own.

The Harper's Ferry Bill, labelled an environmentalist's want list, was introduced last summer by Representative Harkin of California. The amendments caused the differences between environmentalists and the pesticide industry to grow larger. It is therefore unlikely the two sides will reach any type of compromise this year.

According to an American Association of Nurserymen backgrounder, the Harper's Ferry Bill would require all applicators be certified (not just supervisors), that applicators maintain records of each job, and reduces the use of special local needs registrations. It would also require prenotification, buffer zones, and posting.

Minnesota prenotification bill could crimp pesticide applicators

The Minnesota legislature will be considering a Community Right to Know bill this session which places considerable requirements on all applicators of pesticides. Industry representatives fear the bill, if passed, may be used by other states for similar legislation.

The amendments would require posting 8 1/2 x 11-inch signs five days prior to application stating the pesticide(s) to be used, method of application, date and time of intended applications, known symptoms of the chemicals, name and address of two persons responsible for the application, the address of the Minnesota State Health Department, and the word toxic in two-inch-high letters.

Before making applications copies of pesticide labels are to be provided to the property owner and tenants. Applicators are to send copies of the required materials to the State Department of Health and the State Department of Agriculture.

NPIRS from page 12

Jim White, the system's user service manager at Purdue, said the system "fills a long-recognized need. In the past, by the time a compendium of pesticide changes was compiled and issued, it was already out-of-date. Now, NPIRS members can rapidly acquire timely pesticide information."

SOD

Minnesota predicts sod shortage

The Minnesota Turf Association has predicted a severe shortage of cultured sod for the 1984 construction season.

Agronomist Curt Klint, executive director of the Association, said, "Contractors, home builders and other consumers statewide should anticipate their needs early and contact their suppliers to check on availability and prices."

Klint attributed the anticipated shortage as an effect of the construction industry slowdown of the last three years, which reduced the demand for sod. Local turf growers responded to the reduced demand by converting their fields to other crops which allow for harvest every season, instead of the 12 to 18 months needed to produce sod.

Last fall's demand for sod was larger than expected, however, so reserves that would have been available this spring are already depleted, according to Klint.

Sod planted this spring will not be available until mid-1985.

Twin Cities area turf growers supply sod throughout Minnesota, as well as to North and South Dakota, Wyoming, Montana and part of Iowa.

CHEMICALS

Burke elected VP at Stauffer Chemicals

John J. Burke, general manager of Stauffer Chemical Co.'s Agricultural Chemical Division, has been elected a vice president of the corporation.

Burke joined Stauffer in 1966 as an analytical chemist, and he also held several positions with SWS Silicones Corp., a subsidiary of Stauffer. A native of Carbondale, PA, Burke received both his bachelor's degree and doctorate in chemistry from the University of Pittsburg.

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103	118	133	148	163	178	193	208	223	238	253	268	283
104	119	134	149	164	179	194	209	224	239	254	269	284
105	120	135	150	165	180	195	210	225	240	255	270	285
106	121	136	151	166	181	196	211	226	241	256	271	286
107	122	137	152	167	182	197	212	227	242	257	272	287
108	123	138	153	168	183	198	213	228	243	258	273	288
109	124	139	154	169	184	199	214	229	244	259	274	289
110	125	140	155	170	185	200	215	230	245	260	275	290
111	126	141	156	171	186	201	216	231	246	261	276	291
112	127	142	157	172	187	202	217	232	247	262	277	292
113	128	143	158	173	188	203	218	233	248	263	278	293
114	129	144	159	174	189	204	219	234	249	264	279	294
115	130	145	160	175	190	205	220	235	250	265	280	295

WEEDS TREES & TURF

APRIL 1984

This card expires June 15, 1984

MY PRIMARY BUSINESS AT THIS LOCATION IS:
(PLEASE CHECK ONE ONLY IN EITHER A, B OR C)
**A. LANDSCAPING/GROUND CARE AT ONE OF THE FOLLOWING
TYPES OF FACILITIES:**

- 0005 Golf courses
0010 Sport complexes
0015 Parks
0020 Rights-of-way maintenance for highways, railroads & utilities
0025 Schools, colleges & universities
0030 Industrial & office parks/plants
0045 Condominiums/apartments/housing developments/hotels/resorts
0050 Cemeteries/memorial gardens
0060 Military installations & prisons
0065 Airports
0070 Multiple government/municipal facilities
 Other type of facility (please specify) _____

B. CONTRACTORS/SERVICE COMPANIES/CONSULTANTS:

- 0105 Landscape contractors (installation & maintenance)
0110 Lawn care service companies
0125 Landscape architects
0135 Extension agents/consultants for horticulture
 Other contractor or service
(please specify) _____

C. SUPPLIERS:

- 0205 Sod growers
0210 Dealers, Distributors
 Other supplier (please specify) _____

Approximately how many acres of vegetation do you maintain or manage? _____

What is your title? (please specify) _____

I would like to receive (continue receiving) WEEDS TREES & TURF
each month: YES NO

Your Signature: _____ Date: _____



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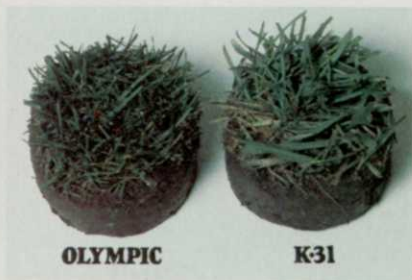


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Olympic lawn in Dallas, Texas, stands out against dormant bermudagrass



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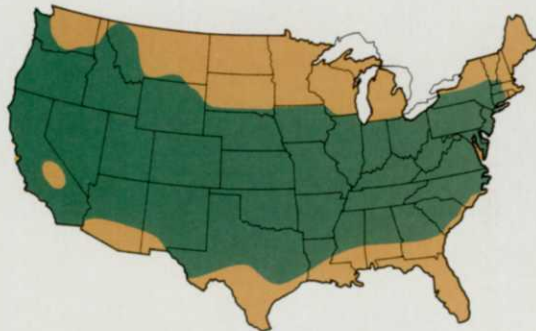


OLYMPIC

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Before Olympic, the alternative to dormant zoysia, bermuda and St. Augustine grass was Kentucky 31, a coarse pasture grass with drought tolerance. Through years of development, Olympic emerged as a finer leafed, darker green, disease and insect resistant tall fescue that has become the choice for home lawns, athletic fields, sod production and golf courses.

Because of its lengthy root system, Olympic draws moisture from deeper levels, making it an effective water saver for the cost conscious. Its tough, durable surface makes it a natural for playgrounds and parks. Olympic shows terrific shade tolerance too, making it a clear choice for the turf pro who wants to look as good as his turf.



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