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# Dacthal applied now stops *Poa annua* this fall.

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Now is the time to prevent *Poa annua* and other late-germinating grasses from getting a foothold in your turf. A late summer or early fall application of DACTHAL® herbicide does it. It's a good follow-up to complete your spring and summer Dacthal program.

And, if you have seeded new turf-grass this summer, *Poa annua* won't get a start. Dacthal can be used without injury to new seedlings when grass is one to two inches high. In fact, it can be used with confidence on all turf except putting greens and bentgrasses mowed to putting green height.

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But find out for yourself. Try Scotts ProTurf High Density Fairway Fertilizer on your turfgrass this season. The proof will be in the results.

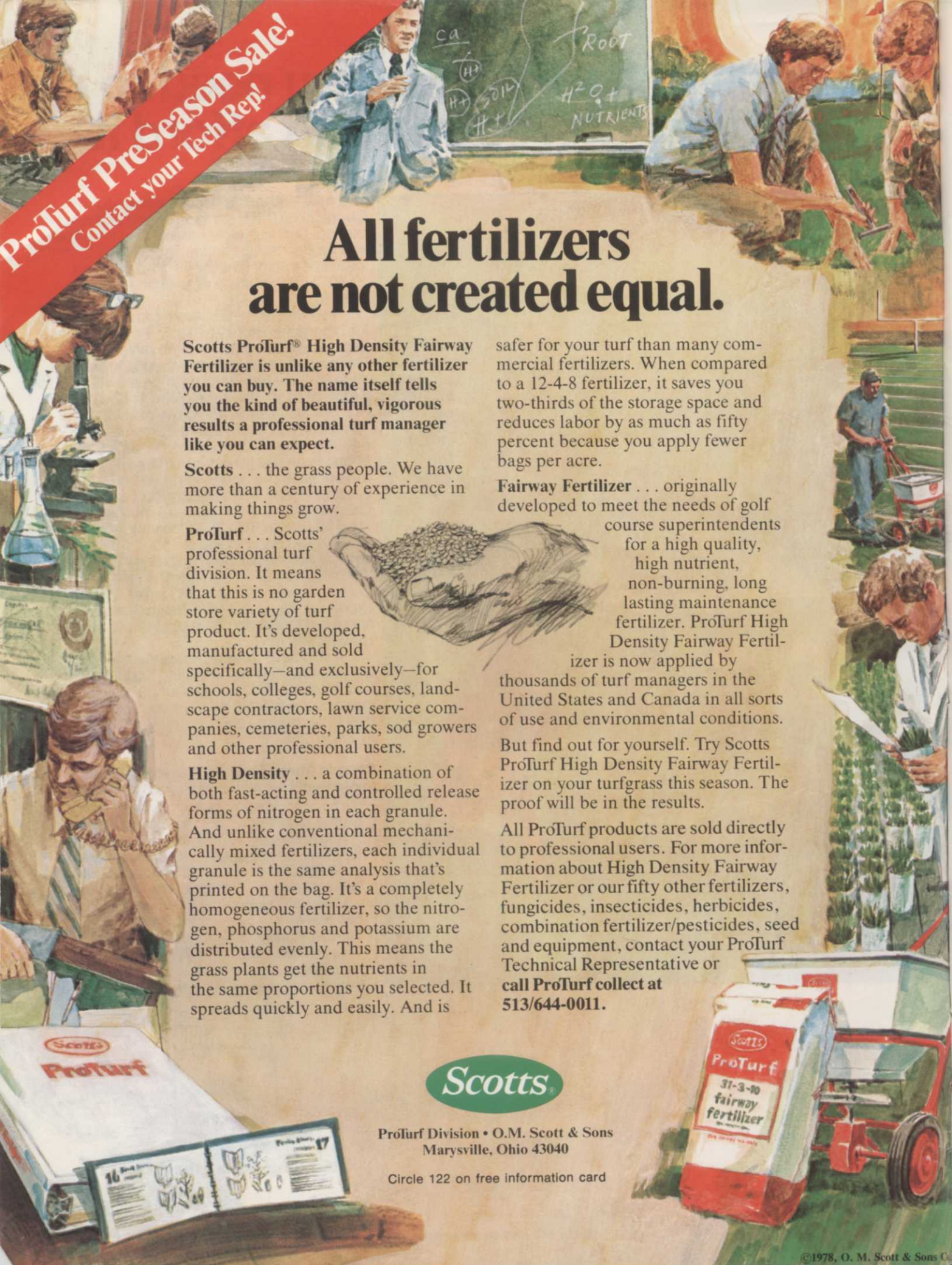
All ProTurf products are sold directly to professional users. For more information about High Density Fairway Fertilizer or our fifty other fertilizers, fungicides, insecticides, herbicides, combination fertilizer/pesticides, seed and equipment, contact your ProTurf Technical Representative or call ProTurf collect at 513/644-0011.



**Scotts**

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AUGUST 1978/VOL. 17, NO. 8

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### GREEN INDUSTRY NEWS

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## VIEWPOINT

Bruce F. Shank, Editor

You might think that someone who gets excited about grass seed must be strange. But if you visit the research facilities of seed companies across the United States and Europe, you would feel interested too.

In the past two months I've had the pleasure of visiting seed companies from New Jersey to Post Falls, Idaho. And much to my surprise, I'm excited about varieties ready to enter the market in the next two years.

The greatest swell of research interest is for reclamation. Northrup King, Jacklin, Lofts, International and Stanford all have products ready to serve this blossoming field. They also are studying new varieties tolerant of alkaline and acid soils for western needs.

And before you get used to bluegrasses just released, improved ryegrasses and fine fescues will be available which either add significantly to mixes or stand on their own.

You should visit a seed research farm and talk to a research director. They somehow manage to memorize what grass is located in every three by five foot block of a five-acre field. Then you go to their offices and see stacks of paper bags filled with seed. Each bag has a long number on it and someone knows what each number stands for. In fact, by looking at a few seeds that researchers can tell you the genus.

It used to be that many of the grasses were discovered on a golf course or park where they developed through natural selection. Today, most of the grasses are developed through cloning at research farms. Not only must the grass be disease resistant, but it will never make it to market unless it also produces abundant seed.

Once the new variety is developed, years of testing in many locations across the country are needed before commercial introduction. There are currently a number of varieties in this phase right now. Within the next two or three years there will be a number of new names in turf seed, including a new Merion.

We need to improve our methods of informing the public about new, improved turfgrass varieties. Urban extension agents and retail nurserymen must be kept abreast of turfgrass research. Buyers for discount stores need to know the facts of fine turf seed.

It is your responsibility to advise customers of improved varieties. It is also your responsibility to ask sod producers to grow the new varieties. As a result, customers will receive the best turf available and you will be respected for your up-to-date knowledge of your field.

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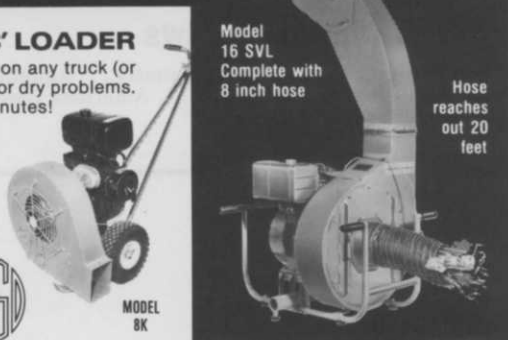
#### Lo-Blo, the Air-TRoom®

HEAVY DUTY BLOWER-SWEEPER helps a small crew gather more leaves, trash, clippings in less time. For details on today's 3 to 45 horsepower models, call Area 216 947-2344.

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# GREEN INDUSTRY NEWS

## NURSERY

### AAN holds one of largest meetings yet



Carlson

Dyas

Howard

Wild

**Dr. Robert Carlson**, Michigan State University, received the Norman Jay Colman Award. Robert Dyas, Iowa State University, was presented the L. C. Chadwick Educator's Award. Howard Van Smith, Florida journalist, was the 1978 recipient of the Garden Communicator's Award. Dale Wild, Dale Wild Sarcoxie Nurseries, was inducted into the AAN's Hall of Fame.

The 103rd Annual Convention and Trade Show of the American Association of Nurserymen, held mid-July in New Orleans, was one of the largest in the association's history. More than 1200 nurserymen and landscapers attended the five-day meeting and viewed 93 nursery exhibits.

The meeting was held in conjunction with nine other association meetings, including the All-America Rose Selections (AARS), American Nurserymen's Protective Association (ANPA), Garden Centers of America (GCA), Horticultural Research Institute (HRI), Mailorder Association of Nurserymen (MAN), Nursery Association Executives (NAE), National Association of Plant Patent Owners (NAPPO), National Landscape Association (NLA), and the Wholesale Nursery Growers of America (WNGA).

General education sessions were held every day and many topics important to nurserymen were discussed. Several important facts on transporting nursery stock were presented by James Morgans. Trying to save on packing before shipment can be more costly in the long run. The best containers are sturdy wooden crates. All excess water should be drained to hold down weight and

bare root material should be packed in a water-absorbing medium. Shipment by "pool trucks", pooling several orders and getting a trailer load rate, was introduced as the most practical and economical way of shipping nursery stock.

Plant conditioning, or "acclimatization", can prepare a foliage plant for life indoors, upping its chances of survival. Recent research, according to Charles Conover of the University of Florida, has shown that the degree of plant conditioning is more important than the amount of stored carbohydrates when a plant is moved into an indoor environment. It takes approximately 4-8 weeks for the chloroplasts and grana of a plant leaf to orientate to a lower light intensity.

Dr. Charles Krause, plant pathologist at the USDA laboratory in Delaware, Ohio, explained the possibilities of the scanning electron microscope in "plant fingerprinting". Dr. Krause presented several unique slides in "a view of plants seldom seen".

Other topics on the educational program included developing a good foreman and attracting, training and keeping personnel. Eric McCarty, Management Concepts, Inc., Dayton, Ohio, presented both topics.

The AAN serves over 2700 member firms involved in nursery business. Its "Green Survival Program" encourages citizen action for environmental enhancement by saying that any one person can take many small steps to protect and improve the quality of life in our land.

## SOD

### ASPA meeting keys on seed production

Nearly a fifth of the sod producers in the United States traveled to Spokane, WA, in July to witness turf seed production and to learn the latest technology at the annual American Sod Producers's Association convention and field days.

A unique irrigation system displayed at the meeting, called Agri-Pop, is placed 18 or more inches below the surface. Special spray heads work their way up through the soil for sprinkling and then retract into the ground when turned off. The manufacturer says the system permits tillage and other surface disturbance without damage to a sprinkler system.

Doyle Jacklin of Jacklin Seed Co. chaired the convention and hosted a tour of the Jacklin turfgrass fields and new processing plant. Since the Northwest is seed country, the sod producers were able to see where improved varieties were developed and grown. Every major turf seed company exhibited at the show as well.

Delegates were treated to a salmon bake, skydiving exhibition, and a stunt flying show. Next year's ASPA field days are set for Columbus, OH. The winter meeting will be held in Scottsdale, AZ, in February.



# GOVERNMENT

## UPDATE

### EPA returns generic name proposals

The Environmental Protection Agency has returned approximately 1000 forms submitted by industries proposing generic names which the firms wished to declare confidential. In rejecting the forms, the EPA admits that the generic name criteria document was late and that many forms had been submitted before it was available. However, EPA maintains, industry could have made a much better initial effort on its own to provide names which represented a balance between legitimate confidentiality and serving the public interest by identifying basic structure.

### ACSH forms to counter "cancerphobia"

The American Council on Science and Health is a newly formed "association of concerned scientists who are alarmed that chemical and cancerphobia has damaged this country and unless arrested will damage it even more," according to Executive Director Dr. Elizabeth M. Whelan. Whelan stated that the council will provide information "based on the classic scientific method, following the standard guideline which compares benefit and risk"

The council will issue position papers, consisting of a detailed technical report prepared for the scientific community and a summary report written for a more general audience. One of the first papers, to be issued this fall, will deal with cancer in New Jersey.

## Landscape Contractor News

### NLA announces landscape award winners

The National Landscape Association has announced the winners of their Eighth Annual Residential Landscape Award Program. Entries were judged on the basis of excellence, as well as practicality of design, selection of plants and materials, execution of the installation, and maintenance of the project.

Awards were presented for single family residences: designed and installed in Atlanta, GA, by Green Brothers Landscape Company, Smyrna, GA; designed and installed in Wilmington, DE, by J. Franklin Styer Nurseries, Concordville, PA; designed by John N. Vogley, Oakland, CA, and installed in Orinda, CA, by T. M. T. Company, Lafayette, CA; designed by Wirth Associates, Billings, MT, and installed in Cody, WY, by Matz Landscaping, Billings, MT.

Awards for active use area for family residence included: two awards for residences in Freeport and Atlantic Beach, NY, designed and installed by Atlantic Nursery, Garden Shop and Landscape Company, Freeport, NY; and an award to a design and installation in Lafayette, IN, by Frits Loonsten, Indianapolis, IN.

An award for passive use area of single family residence was presented for design and installation in Manhasset, NY, by Atlantic Nursery, Garden Shop & Landscape Co., Manhasset, NY.

### AQUATIC

### APMS fights weeds on international level

Speakers from 16 states and four foreign countries provided over 60 topics for 306 registrants at the Aquatic Plant Management Society's 18th annual meeting in Orlando, Florida in July. Officials from the United States Army Corps of Engineers (USACE), Environmental Protection Agency (EPA), Tennessee Valley Authority (TVA), Chemical Companies, British Columbia Ministry of the Environment, University of Khartoum in Sudan, Australia, the Instituto De Investigaciones Sobre Recursos Bioticos in Mexico, and the Panama Canal Zone presented their battle plans in the war against aquatic weeds.

The white amur is now allowed in Florida waters. However, it is being restricted to private, landlocked lakes of 25 acres or less. Out of 125 requests for use of the white amur, 21 have been turned down, and only four accepted so far.

Another fish that promises biological control is the *Tilapia zillii*. Tilapia are native to Africa and the Middle East and have been introduced in California and Arizona in substantial numbers. It is sold in California grocery stores as "nile perch"

New officers were elected at the meeting. The new president is Julian J. Raynes, United States Army Corps of Engineers, Atlanta, Georgia. He took over the gavel from Donald V. Lee, Louisiana Wildlife and Fisheries, Baton Rouge.

William N. Rushing, USACE, Vicksburg, Mississippi, is the new president-elect. Al Burkhalter, Florida Department of Natural Resources, took over as treasurer. Two new directors were also elected: Leon Bates, TVA, and Max McCowen, Lilly Research Laboratories, Greenfield, Indiana.

Bill Haller took over responsibilities as editor of the society's journal. Anyone wishing a paper published should contact him in the Department of Agronomy, University of Florida, Gainesville, 32611.

The 1979 meeting will be held at the Chattanooga Choo-Choo, in Chattanooga, Tennessee, July 15-18.