



**Dacthal® drives
20 annual weeds
off the course
with one easy swing.**

One application early in the spring. That's all it takes. Dacthal preemergence herbicide prevents 20 annual weeds from sprouting all season long. Problem weeds like carpetweed, chickweed, purslane and others. So you can devote time and manpower to more important work.

Dacthal doesn't stop there. It also drives out troublesome crabgrass and *Poa annua*. Hit 'em in the spring. And follow through with Dacthal in late summer for control of *Poa annua* and other late-germinating weeds.

Over the years, Dacthal has proven to be the closest thing to worry-free weed control. It won't harm new grass when used as directed. Won't leach out with frequent waterings. And there's no problem of residue buildup in the soil.

Dacthal degrades, naturally, in one season. Just read and follow label directions.

You can even use Dacthal to keep the weeds out of flowers and shrubs. It's cleared for use on over 120 ornamentals. That's one more beauty of it.

This year, drive out weeds with Dacthal... the all-around favorite preemergence herbicide. Available in wettable powder or granules. Ask your supplier for more information or write: Agricultural Chemicals Division, Diamond Shamrock Chemical Company, 1100 Superior Avenue, Cleveland OH 44114.



**Diamond Shamrock
Chemical Company**

A UNIT OF DIAMOND SHAMROCK CORPORATION



Highway median left of sign was mowed six times. Grass on right was mowed once, representing a savings in maintenance costs.

CHEMICAL GOVERNOR

(from page 26)

says Bower. Treatment when candles are tender often causes developing branches to droop.

Like any application of environmental protection chemicals, applicators are cautioned about drift when using Maintain CF 125. Al-

though growth does not cease when sprayed with the product, it's a good idea to minimize drift whenever possible. Applicators are fortunate that the volatility of the active ingredient is nil.

Following three years of marketing, U.S. Borax reports these findings from the field: A golf course eliminated the time of two men trimming trees all summer and put them to other more productive work; Washington National Airport in Washington D.C. treated a dangerously steep bank between two levels of the airport and saved the maintenance department five mowings; a power company treated a turf area in November 1970. This area though normally mowed several times a season was not mowed at all in the 1971 growing season; and foliar treatment reduced the cost of pruning in California by \$400,000.

Growth retardants as a standard field practice have not as yet realized their full potential, says U.S. Borax. But their use is increasing steadily as institutions gain experience in applying them to solve individual maintenance problems. □

(Excerpts reprinted by permission from Industrial Product News.)

Ohio Sod Producers Hold Field Day And Meeting

At least 100 persons were in attendance at the Ohio Sod Producers Field Day in early August.

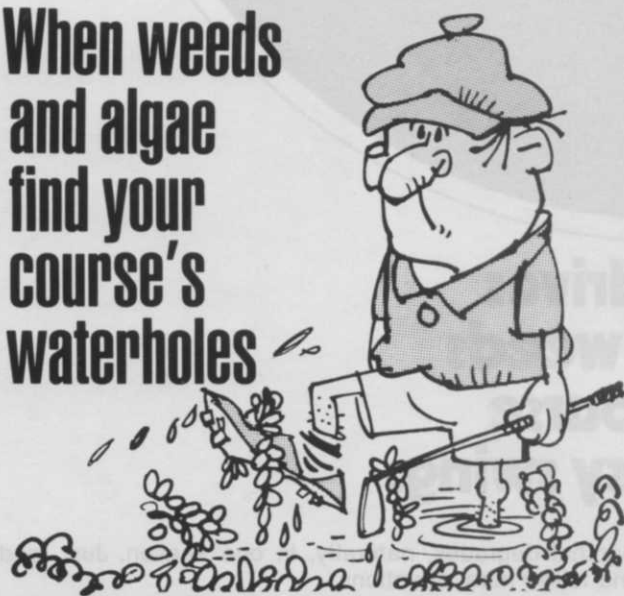
Meeting at Eastside Nursery, Inc., owned by Woodrow Wilson of Canal Winchester, the field day sported event in mowing, spraying and harvesting sod. Delegates crowded around the Princeton Sod Harvester, one of the newest and most uniquely designed machines in the field. It was demonstrated by Sil Schloesser of Princeton Turf Farms.

Greg Nunes, son of John Nunes, Nunes Turfgrass Nurseries, Inc., Paterson, Calif., demonstrated the versatility of the Nunes Sod Harvester to the group. He explained that the machine could harvest sod in either rolls or slab.

Also of much interest during the afternoon was a PTO-driven, 3-point hitch, sprayer manufactured by F. E. Myers. The air blast sprayer can be mounted on a conventional tractor in minimum time.

The summer meeting of the Ohio Sod Producers was held in the evening following dinner. Approximately 23

When weeds
and algae
find your
course's
waterholes



it's time for you to find the

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BRAND

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Jobe's Tree Food Spikes

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These spikes of high analysis fertilizer easily pound into the ground around trees. Rainwater does the rest.

Gives trees vigor and stamina to help protect them through the winter.

"Nearly three times faster than drilling," states a leading university. Write for details and the university report.

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leader
in
quality



sod harvesting equipment
PRINCETON MFG. CO.

P.O. Box 1

Canal Winchester, Ohio 43110

Tel. (614) 837-6400

were in attendance. Guest speaker was Dr. Dave Martin, extension agronomist at Ohio State University. He reviewed his background and his work with Dr. James Beard at Michigan State University. He will be working with the Ohio Sod Producers in the coming months.

"We're interested in having sod producers participate in various university functions as much as you want," he said. He extended the services of the extension service and the local county agents in helping sod producers solve problems involving environmental protection chemicals.

Paul Florence, Paul Florence Seed and Sod, Marysville, then presented the group with the American Sod Producers Association pamphlet, "Guideline Specifications to Sodding." He said that it could be used by contractors and others in drawing specifications for sodded areas.

He also discussed the accounting system manual for sod producers that members of ASPA are using in their businesses.

Florence reported next on the scarcity of turfgrass seed. He said that this year's seed crop is down considerably over previous years and that producers of sod should be placing orders soon.

Parker Shirling, Princeton Turf Farms, Centreville, Md., extended an invitation to those in the group who are not members of ASPA to join the national group. He also invited everyone to visit Maryland next year for the summer meeting and field day of ASPA.

Ches Augspurger, Cincinnati Turfgrass Nursery and president of the Ohio Sod Producers reminded the group that the next meeting of the organization would be at the Ohio Turfgrass Foundation Conference and Show, November 27-29.

FIEI President Names Emmett Barker Exec. Sec.

Farm and Industrial Equipment Institute president John G. Staiger has announced the appointment of Emmett Barker, 35, as executive secretary and treasurer of the Institute. He succeeds Douglas Hewitt who retired.

FIEI, based in Chicago, is a trade association whose member companies manufacture over 90 per cent of North American farm and industrial equipment—a \$5.3 billion industry. Through its members and its communication and cooperation with related organizations and government agencies, FIEI activities

encompass all aspects of the industry, including safety and comfort of the operators of its products, promotion of the free world trade concept, engineering standardization for interchangeability of equipment, research, legislative, educational and many other matters.

A 1960 graduate with a bachelor of science degree in agriculture from the University of Tennessee, Mr. Barker has had extensive experience in administration, organizational and program development work, public relations, and advertising and sales promotion.

He has been a consultant in the

feed and frozen food industries; president and general manager of Agricultural Services Association, Bells, Tenn., an agricultural marketing organization; public relations director of the American Feed Manufacturers Association; and manager of advertising and sales promotion programs related to marketing livestock and poultry feeds.

Since its founding in 1893, FIEI has continually broadened its scope of activities in keeping with changing times and challenges in the interests of efficiency and productivity of farmers and industrial equipment users.

Mitts & Merrill Brush Chippers For...

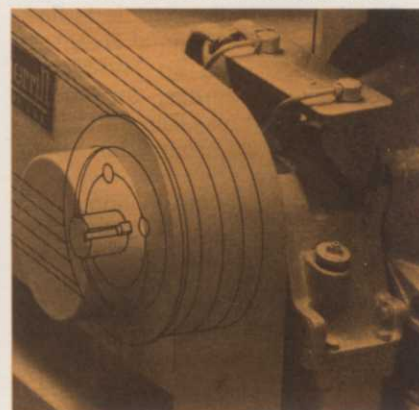


better design... more efficiency

For more than 115 years Mitts & Merrill has been making specialized machinery for industry. A major part of our business is equipment to reduce scrap and waste. This experience is incorporated into design features on our brush chippers that result in higher efficiency and longer, trouble-free service for you. Only Mitts & Merrill brush chippers offer features like these:



Staggered knife pattern for smoother cutting action. Mounted on an all-steel cylinder that, even without an external flywheel, is heaviest in the industry. Each cylinder revolution gives more cuts, produces smaller chips of uniform size. Self-adjusting knives are reversible; give twice the service between sharpening.



Optional torque converter isolates engine and transmission from cutting shock to minimize maintenance. Makes operation virtually fully automatic; increases operator productive time. Available on all models.

Plus...

• **Positive safety-lock pin** for greater operator safety • **Swing-away, folding feed chute** protects cutting chamber; allows instant access and increases maneuverability • **Heavy duty construction** includes coil spring, torsion-type suspension, and box tubular steel frame.

mitts & merrill

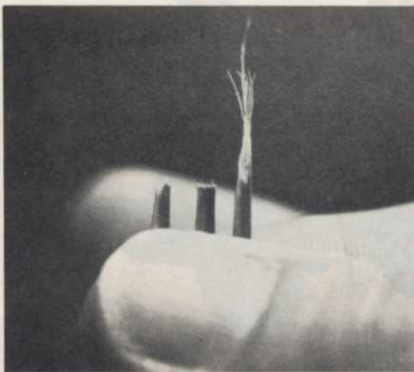


Dept. WT-82, 109 McCoskry St., Saginaw, Michigan 48601

For More Details Circle (117) on Reply Card

Can you tell ryegrass from bluegrass?

(Careful.)



This photo shows two fine-leaved ryegrasses and one Kentucky Bluegrass. The grass on the right is obviously a ryegrass. Of the other two, which is the ryegrass and which is the bluegrass?

Ok, the one in the middle is fine-leaved Pennfines Perennial Ryegrass . . . clean-cut and so fine-bladed it looks like bluegrass. On the left is Pennstar Kentucky Bluegrass, perhaps the best all-around turf grass available today.

If you had trouble telling them apart, you have an idea of the compatibility of these two grasses. Pennfines Perennial Ryegrass and Pennstar Kentucky Bluegrass. They work together. Beautifully. For more information write Pennfines/Pennstar, Box 923, Minneapolis, Minn. 55440.



Application To Register Herbicide Rejected By EPA

The U.S. Air Force has been turned down by the Environmental Protection Agency (EPA) on a request to register a herbicide for domestic use.

Herbicide Orange, a 50-50 mixture of 2,4,5-T and 2,4-D, has been in the Air Force stockpile since stoppage of its use for defoliation purposes in Vietnam. The Air Force has been looking into ways to dispose of 2.3 million gallons of the product. Presently, 1.5 million gallons are stored on Johnston Island in the Pacific Ocean and the remaining 800,000 gallons are at Gulfport, Miss.

The registration submitted to EPA on Feb. 8, 1973 was to create two products from Herbicide Orange, one known as D&T Herbicide Technical (for shipment to private firms for reformulation) and the other D&T Brush Killer (a diluted product intended for direct sale to users for brush control).

EPA officials rejected the request on the basis of the presence of a highly toxic contaminant known as tetrachlorodioxin. The average dioxin concentration in the surplus herbicide is about 2ppm, said the Air Force. But in the application to EPA, Air Force officials reported that the surplus herbicide contained only 0.5 ppm or less of dioxin.

Pending results of a public hearing on 2,4,5-T which is scheduled for April 1974, the Air Force plans to defer resubmission of additional data to substantiate its claim for registration of certain batches of Herbicide Orange.

Florida Turf-Grass Assoc. Conference Slated Oct. 21-24

"Turf Management From A To Z" will be the theme of the 21st Annual Florida Turf-Grass Association Management Conference, at Pier 66, Fort Lauderdale, Florida, October 21-24, 1973.

According to Dr. E. O. Burt, conference chairman, the Florida Turf-Grass Association is one of the most active and comprehensive turf organizations in the nation. This year's conference will present renown speakers from all over the country, each an expert in his own field.

The first session will be chaired by Stan Cruse, vice president of FT-GA. Speakers will include Dr. Coleman Ward, speaking on "Selecting a

Grass," followed by Mr. James B. Moncrief, speaking on "Soils." "Fertilizers" will be discussed by Dr. G. Shannon Smith and Mr. Dalton Harrison and Mr. Elmo Dowling will be speaking on "Basic Principles of Watering" and "Irrigation Equipment."

In the afternoon, James A. Fischer of The Toro Company will discuss "Principles of Mowing" and Mr. Randolph Smith, "Mowing Equipment." "Insects" will be the topic of the address by Dr. James Reinert and Dr. A. DiEdwardo will discuss "Nematodes." Dr. Robert Miller of Chem-Lawn and Dr. Stan Frederickson will address the session on "Diseases of Bermudas and Overseeded Grasses" and "Diseases of Other Warm Season Turfgrasses."

Other speakers on the program include: James Taylor discussing "Principles of Weed Control" and Dr. E. O. Burt "Weed Control with Herbicides." Principles of Landscaping, thru "Planning and Installation" will be covered by Morgan Evans and "Maintenance" by John Poulos. Delegates will also tour of the turf plots at the Agricultural Research Center.

Complete registration information is available from the FT-GA Executive Secretary, Ms. Nona Murphy, 903 Lee Road, Orlando, Fla. 32810.

Johnsongrass Seed Outlawed In Virginia

Dennis E. Brown, supervisor seed and sod for the Virginia department of agriculture and commerce, has issued a reminder to the citizens of that state. Seed of Johnsongrass is a prohibited noxious weed seed.

According to Brown, it is unlawful for any person to transport, offer for transportation, sell, offer for sale, or expose for sale, seed consisting of or containing Johnsongrass. It also is illegal to bring seed of Johnsongrass into Virginia.

Other than the fact that it is considered noxious and unlawful, Brown did not say how to get rid of the weed in established areas.

Many eastern Atlantic states have declared Johnsongrass a noxious weed. Some states have even gone so far as to prohibit its growth. Yet, in many cases the biggest offender of the law is the state itself. Travel along a highway which crosses the low wet lands of the Delmarva and Johnsongrass abounds everywhere. Most of this land is owned by the state or the Federal government.

Trickle Irrigation Tubing Developed By Dow

A new plastic tubing which can be used in trickle irrigation is now available from Dow Chemical, U.S.A.

The tubing is manufactured from ultraviolet light stabilized 12 mil Polyfilm polyethylene film. The film is formed into tubing with two chambers, one a supply tube and the other, smaller, an emission chamber. Water moves from the supply tube into the emission chamber through holes spaced 10 feet apart. The water leaves the emission chamber through holes with a two-foot spacing.

According to Dow, the irrigation tubing provides for uniform flow rates along the entire length of the run assuring accurate application rates of both water and plant nutrients applied through the irrigation system. Flow rates per orifice can be varied from 0.25 gallons per hour to 0.6 gallons per hour by varying the operating pressure of the system from 2 to 12 PSI.

The tubing can be installed either above or below ground and has been designed to withstand burst pressures in excess of 30 PSI which minimizes field maintenance problems. It can be installed in conjunction with a wide range of filtration, pressure regulation and flow regulation equipment to supply the correct amount of water needed. For more details, circle (720) on the reply card.

Mass. Landscape Contractors Offer Six Courses

Six courses in various phases of landscaping will be given by professionals during the fall and winter evening school sessions of the Associated Landscape Contractors of Massachusetts. All the courses will be held at Koon Auditorium, of the Suburban Experiment Station, University of Massachusetts, at Waltham.

A four-week course on Principles of Landscape Design will be given by Timothy Coppola of the architectural firm of Sasaki, Dawson, DeMay Associates. This course will meet at 7:30 p.m. on the evenings of October 15, 29, November 5 and 12, 1973. Dr. Donald Wyman, one of America's most distinguished naturalists and authorities on plant identification, will present a course on Plant Identification the evenings of December 3, 10 and 17. Louis DeVirgilio, professional cost esti-

mator and landscape contractor, will give a six-week course in Plan Reading & Quantity Takeoff on October 24, 31, November 7, 21 and 28, and December 5.

Shepard Williams, landscape architect of North Easton, Mass., will give a course in Basic Landscape Drawing—a six-week course, on the evenings of January 7, 14, 21, 28, February 4 and 11. An advanced course in Landscape Estimating & Costing will be given by Louis DeVirgilio on January 23, 30, February 6, 13 and 27, and March 6.

Homer K. Dodge, architect and

engineer, will give a six-week course on Patio & Wall Construction the evenings of January 31, February 7, 14, 21 and 28, and March 7.

The courses are open for attendance by any person associated with the landscape industry. Detailed information on each course and course tuition, to be announced, will be made available on request to the Associated Landscape Contractors of Massachusetts, 950 Boylston Street, Newton, Mass. 02161 or by telephoning (617) 527-1274. Early enrollment is suggested as class sizes are strictly limited.

"EVER-GREEN" TURF IRRIGATION VALVE BOX COVERS...



...other advantages are more obvious!

Golf courses, estates, parks, cemeteries, private clubs, landscaped lawns—why put up with ugly concrete or rusty cast iron turf irrigation valve box covers? Now you can have green covers that blend beautifully with the turf. And they're made of tough SUPERFLEXON® thermoplastic that lasts and lasts. Thermoplastic valve and meter boxes are resistant to moisture, and unaffected by temperature changes. They're also less brittle than concrete or cast iron... and much lighter, easier to install and to store. And they cost less! Thousands are in use from coast-to-coast—Philadelphia, Pa. to Sunnyvale, California.

Thermoplastic turf irrigation valve boxes with "ever-green" covers offer a new dimension in appearance as well as utility.

For complete details, write: AMETEK, INC., Plymouth Plastics Division, 502 Indiana Avenue, Sheboygan, Wisconsin 53801.



Meter Pits (round) and Meter Boxes (rectangular) can be supplied with "ever-green" cover.



Also available: Durable, easy-to-install AUTOSTOP®, less costly than concrete curbs. Weather and crumble proof. Never needs painting; impregnated yellow, green, forest brown or white. Write for facts.

AMETEK / Plymouth Plastics

AMETEK

New Liquid Inhibitor Slows Vegetation Growth

Rockland Coatings Company has introduced a new liquid retardant that inhibits growth of grass, weeds and bushes by 80 percent.

The product, RC-6 Grass Control, is designed for use in areas such as highway, railroad and power transmission rights-of-ways, golf course roughs and industrial and commercial sites. It is a concentrated liquid compound, which is diluted one part in 100 parts of water. Conventional

spray application equipment may be used.

According to the company, one application at the start of the growing season will control the rate of growth for the entire season and reduce normal maintenance requirements by 80 percent. RC-6 Grass Control is reported to be nonphytotoxic to ground cover.

For more details, circle (719) on the reply card.

New Ackley Distributor Named For Ohio

A.B.S. Contractors Supply Company, Cincinnati, has been named distributor for Ackley hydraulic tools for the state of Ohio. The announcement was made by Jack Gallagher of ABS and Harold DePue, Ackley's vice president of marketing.

Am. Society Of Golf Course Architects Prints Directory

The American Society of Golf Course Architects has published its new membership directory, along with information on golf course planning and remodeling. The literature details the role of the designer. For copies of these materials, write the American Society of Golf Course Architects, 221 N. LaSalle St., Chicago, Ill. 60601.

Illinois Turfgrass Field Day Scheduled Sept. 18

The Illinois Turfgrass Field Day will be held September at the Ornamental Horticulture Research Center, South Lincoln Ave., Urbana, Ill.

The event, sponsored by the University of Illinois and the Illinois Turfgrass Foundation, will permit interested persons the opportunity to view turf plots and evaluations conducted at the research center. Other items of interest include: effects of aquatic herbicides on irrigation water, fungicide evaluation studies, putting green cultivation study and turfgrass renovation with herbicides.

Elm Beetle Repellent Found By Mass. Firm

A promising approach to elm tree protection from the elm bark beetle has been discovered by Arthur D. Little, Inc., Cambridge, Mass.

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According to an announcement, the company has succeeded in synthesizing a water soluble, hydrolyzable repellent. The product repels elm bark beetles from elm trees.

The company plans to commercialize the technology through a licensing program. Interested parties are invited to contact the company at 25 Acron Park, Cambridge, Mass. 02140.

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New "Fairway Special" SPRIG PLANTER With 2" Row Spacing

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— classifieds —

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.

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

POSITIONS WANTED

SALES REPRESENTATION: Washington, D.C. (Government), Virginia, Maryland, and Delaware. Seasoned sales organization can handle equipment, turf related chemicals, or specialties. We can tailor our marketing capabilities to meet your needs. W. H. Chadbourne, Agronic's, Inc., 10818 Fairchester Drive, Fairfax, Virginia 22030. Phone 703 471-9660.

GOLF COURSE Superintendent, 30, available at end of present season. Ten years experience. Midwest. Graduate of Univ. Winter Turf School, member of GCSAA. Qualified in all phases of golf course maintenance. Box 104, Weeds Trees and Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

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Our Landscape Design & Private Residential Landscape Salesman decided to get married and move way. Therefore we at MONROE TREE & LANDSCAPE, Inc. are back looking for the right man to fill this excellent position.

We need a professional between 24 and 35 years old with college training plus 4 to 6 years residential landscape experience.

Many benefits — Rewarding Future.

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716 436-2900

Love is Fine — Being married along with that is even better.

ARE YOU, 1. Experienced in all phases of tree work? 2. Able to estimate private work as well as large clearing and grubbing jobs? 3. A leader of men? 4. Willing to work to turn a good tree business into a great tree business? 5. Ready to be practically your own boss? If so, and you would like a salary and commission as well as a company car and all our company fringe benefits, please write or call. Heyser Landscaping, Inc., 400 North Park Ave., Norristown, Penna. 19401. Phone 215 539-6090.

MANAGER WANTED. Line Clearance Operation. 10 to 15 crews. Candidate must be experienced as Manager for recognized line clearance company. Must be willing to move to southeastern state. All inquiries kept in strictest confidence. Send resume c/o Vern Milhoan, Nelson Tree Service, Inc., 810 N. Avenue, Dayton, Ohio 45406.

QUALIFIED golf course superintendent wanted; must have experience with planning and supervising activities concerning golf course maintenance and construction. Write Box 103, Weeds Trees & Turf, 9800 Detroit Ave., Cleveland, Ohio 44102.

DISTRIBUTORS for D. J. Andrews, Inc. stump cutter teeth, pockets and bolts. Best wholesale and retail price in U.S.A. Add to this exclusive area, local advertising at our expense, etc., and you have our story. D. J. Andrews, Inc., 17 Silver St., Rochester, N.Y. 14611. Call 716 235-1230, or 716 436-1515.

DUE TO EXPANSIONS of our company in several new areas we are interested in hiring graduate foresters or foremen with at least a high school diploma who can qualify to start our supervisory training program. If interested, please write the Personnel Director, 139 6th St., West Des Moines, Iowa.

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SOD QUALITY MERION SEED for discriminating growers. Also Fylking, Delta, Park, Newport, Nugget and Pennstar bluegrasses as well as fine fescues. We will custom mix to your specifications. Michigan State Seed Company, Grand Ledge, Michigan 48837. Phone 517 627-2164.

CROWN VETCH SEED: Penngift and Chemung varieties. Direct all inquiries to: Walter C. Mehlenbacher, Castile, New York 14427. Phone 716 493-2553.

ALL VARIETIES, straight or mixed to specifications, bluegrasses, fescues, bents, others. Markell Seeds, P.O. Box 3397, Green Bay, Wisconsin 54303. Phone 414 437-0851.

FOR SALE

CHAIN SAW CHAIN, bars, sprockets, sharpening equipment, saw parts and accessories. Save to 40%. Professional quality, fully guaranteed. World's largest mail order supplier of this equipment. Free catalog. Write Zip-Penn, Box 43073-A68, Middletown, Ky. 40243.



"I'm afraid I can't help you lady. My specialty is roots."

DOUBLE EDGE sod cutter blades. Will fit any Ryan sod cutter. Works like double edge razor blade. Cuts much more sod per blade. Made to bolt on both ways. \$24.00 plus postage. New automatic sod loaders for direct loading to pallets, trucks or trailers. No workers needed on ground. Both products developed and designed by Hadfield. Write or call Glen Hadfield, 4643 Sherwood, Oxford, Michigan 48051. Phone 313 628-2000.

GOLD COURSE GREEN DESIGNS including specifications, irrigation and drain tile layout, \$35.00 each. For more information, write Golf Course Specialty, 330 Cicero Ave., San Antonio, Texas 78218.

ARPS stump cutter teeth, top quality and best price in U.S.A., D. J. Andrews, Inc., 17 Silver St., Rochester, New York 14611. Call 716 235-1230.

ROGERS SEEDER — Model 524-100, A-1 condition, used twice. Spring purchase. Price reasonable. P.O. Box 1165, Springfield, Mass. 01101. Phone 413 736-0051.

VERMEER STUMP GRINDER, Model 10, \$1800. Walt Parker, 1684 Bowers Ave., Santa Clara, Calif. 95051. Phone 408 247-0373.

MISCELLANEOUS

TREE APPRAISALS, SURVEYS, loss evaluations and expert consultation services. For names of members of the American Society of Consulting Arborists, Inc., throughout the country, contact: Executive Director ASCA, 12 Lakeview Ave., Milltown, New Jersey 08850.

LANDSCAPE DESIGN KIT 37 rubber symbol stamps and ink pad. Postpaid \$25.00 COD \$26.00 plus postage. Order direct or brochure sent. California add tax. T-Gordon's, Box 741T, Reseda, California 91335.

USED EQUIPMENT

FOR SALE: 1 — Bean Roto Mist 301, trailer mounted, tandem axle, electric brakes, 300 gallon tank, very good condition. No longer doing mist spraying, \$6000.00. 1 — 1968 Myers hydraulic sprayer, 1000 gallon tank, 60 G.P.M. pump, skid mounted — Wisconsin 4 cylinder engine, expanded metal no slip covering on top of sprayer, \$2500.00. 1 — N-600 Ford 1963—121" W.B.—292 V-8 engine, vacuum booster brakes, 5 speed transmission, 2 speed axle, no spin differential, 8:25 x 20 tires. Heavy duty springs, 27,200 miles, Braden winch 12,000 pound overhead frame tree mover, \$1500.00. 1 — N-700 1963 Ford — 163" W.B. — 5 speed transmission, 1597.2 hours since new engine (7-11-73), new springs front, new kingpins, new tie rod ends, Pitman 58-8000 pound capacity. All hydraulic extendable boom. Unit still in use, \$3500.00. Contact Chas. F. Irish Co., Inc., 24900 Groesbeck Highway, Warren, Michigan 48089. Phone 313 527-2921.

RECONDITIONED brush chippers, sprayers, log splitters, stump routers, bucket trucks. Let us know your needs. Equipment Sales Company, 5620 Old Sunrise Highway, Massapequa, New York 11758. Phone 516 799-7619.

trimmings

EARTH PLANTS AND MOON SOIL appear to do well together. In tests conducted by the University of South Alabama, plants grown in soil brought back by astronauts appeared to grow better and live longer than ordinary plants. Vernon Scholes, a biology professor who conducted the tests for NASA, reported that based on his experiments moon dust stimulates chlorophyll.

DIET OF WEEDS is another name for a new cookbook on the market called "The Wild Flavor." Written by Mrs. Marilyn Kluger, the book depicts a great variety of plants and weeds which can be used in cooking. Consider Sorrel Soup (takes a cup of sheep sorrel) or Cattail Pollen Flapjacks (1 cup cattail pollen sifted through a fine-meshed tea strainer) as new uses for problem weeds.

IF WE WERE TO RETURN to horses and get rid of all the automobiles city street cleaners would have as big a job as ever trying to keep streets clean. New York City was estimated to have 120,000 horses around the turn of the century. Sanitary engineers estimate that these horses contributed over 1300 tons of manure a day to the street environment. Contrast this to a situation of modern day where a horse might be substituted for each auto and truck in the U. S. The environmental contribution arising from this situation would produce a staggering 10 million tons of manure a day.

NATIONAL SAFETY COUNCIL points out that there are 10 items which no OSHA officer overlooks when he checks out a business. They are: 1. electrical wiring, loose connections, switch plates and covers; 2. fan guards; 3. floor conditions and poor housekeeping; 4. aisle markings and clear aisles; 5. electrical panels, which must be kept closed; 6. grounding of electrical systems; 7. limits of 30 pounds air pressure for cleaning purposes. 8. fire extinguishers; 9. exit signs and means of egress; 10. proper maintenance of OSHA records. If you are not in compliance with all of these, consider it an automatic violation subject to fine.

WORK is progressing on the restoration of the Joyce Kilmer home in New Brunswick, N. J. Kilmer, the poet who wrote "Trees," was born in the house which is to become a museum and headquarters of the New Jersey Arborists Association. The group has transplanted on the site a tree which experts believe is an offspring of the original oak which inspired Kilmer's poem.

SOCIAL SECURITY may be a good thing, but it is time to analyze how much of your pay goes to help support this program. Since 1937, the tax rate paid by employer and employee alike has risen from one percent on the first \$3,000 to 5.85 percent of the wages up to \$10,800. In 1974, the maximum amount of wages taxed for this program will increase to \$12,000. If you earned \$10,800 in 1937, you would have paid \$30 in social security taxes. If you earned \$10,000 or more during 1972, you paid \$468. This year the ante is up to \$632 for persons making \$10,800 or more. And next year it goes even higher!

ENVIRONMENTAL IMPACT STATEMENTS are the hedge for continuing a practice which may be in question. The Environmental Protection Agency has now listed a code by which these statements are classified. Basically it consists of a two letter alpha code followed by a number. Here's what you'll find it under the "general nature of comments" section: LO, ER, EU, which translates to Lack of Objection, Environmental Reservations, and Environmentally Unsatisfactory. The numbers are 1, 2, or 3 which mean: adequate, insufficient information, or inadequate, in that order. So if you have a EU-3 code on your statement, it means that "EPA believes that the proposed action is unsatisfactory because of its potentially harmful effect on the environment . . . and that the Agency believes that the draft impact statement does not adequately assess the environmental impact of the proposed project or action, or that the statement inadequately analyzes reasonable available alternatives."

HOW FAST ARE WE consuming motor fuel? The Federal Highway Administration says that 105.6 billion gallons of fuel were taxed and consumed in the U. S. in 1972. Net state motor-fuel tax receipts amounted to \$7.59 billion. That amount was 7.7 percent higher than in 1971 the greatest annual increase in 17 years.

MEAT FOR KIDS but not adults may be coming as scientists continue to perfect soybeans as a potential protein source. That's the report from Dr. George L. Sutherland, director of research and development for the agricultural division of American Cyanamid Company. He also foresees the possible disappearance of many fresh fruits and vegetables from the dinner table. Sutherland cites the disappearing labor force in the labor-intensive crops, social decisions which restrict development and technology and increased competition between man and animals for protein as the factors influencing man's future diet.

OSHA has amended standards on powered industrial trucks, cranes, derricks and portable power tools. Exempt are vehicles intended primarily for over-the-road hauling. An "approved" industrial truck applies only to approvals for fire safety purposes for the intended use by a nationally recognized testing laboratory. An industrial truck is now defined as "unattended" when the operator is more than 25 feet from the vehicle or cannot see it.

Further, OSHA has ruled that "only designated personnel shall be permitted to operate" a crane or derrick, rather than authorized and trained operators.

The standard requiring guards on portable power saws with blades two inches or greater in diameter was amended to exempt such saws used in cutting meat. Among other changes to power tools was a clarification of the operating switch or control requirements for various types of circular saws, chain saws, power drills, grinders and routers.

OUR MISTAKE

Last month we inadvertently left out a note to readers interested in obtaining a copy of the Turfgrass Insects chart. The chart appeared on the inside back cover. The O. M. Scott & Sons Company has made this full color drawing available to readers of WEEDS TREES AND TURF. For an 8½ x 11 inch color print of the chart, write to O. M. Scott & Sons Company, Marysville, Ohio 43040. There is no charge. JAS.

NEW from ProTurf

Victoria

Kentucky Bluegrass seed

...and 6 good reasons why its name is "Victoria".

1 Persistent deep blue-green color. Scotts research and development tested Victoria Kentucky Bluegrass for 11 years on plots in Marysville, then at several research substations, and finally at state agricultural experiment stations, in sod fields, on golf courses, and in home lawns all over the country. During those 11 years, Victoria proved to have strong summer color which lasted until late fall, in the North. On the West Coast, color lasted throughout the year.

2 Thick, dense growth with wider and stronger leaf blades. Victoria's spring growth profile is naturally lower than Pennstar, Fylking, or Newport, which makes it ideal for golf turf or any other turf where carpet-like texture is desirable. Lateral instead of vertical growth means Victoria fills in bare spots vigorously, choking weeds out. (In tests with equal amounts of Victoria and Merion sprigged in two identical 3' x 4' squares of bare earth, Victoria covered 80% of its square in eight weeks; the Merion plants covered only 55%.)

3 Extraordinary stress tolerance. Victoria's low growth profile makes it naturally adaptable to close mowing; Scotts tests found Victoria maintains a thick, dense, complete cover even when cut to 3/4". Victoria performs well under virtually all environmental conditions, including full sun. In addition, Victoria is one of the very few bluegrasses to perform successfully in shade mixtures.

4 Unusual disease resistance. Aware of most bluegrasses' vulnerability to turf disease, Scotts carefully screened Victoria during the testing years, routinely inoculating it with disease during the growing season. The results: Victoria proved to be one of only a few bluegrasses in existence with a high degree of resistance to leafspot. Testing in geographic locations around the country showed that Victoria also has a good level of resistance to stripe smut, snowmold, mildew, and rust, and more resistance to dollar spot than either Merion or Fylking.

5 Vigorous germination and growth. Victoria seeds are larger and plumper than most other varieties, which helps the seedling to withstand environmental stress. Victoria seed is characteristic of this rugged, very persistent grass—it's excellent quality, with high varietal purity and high yield. In lab tests reporting Victoria's characteristics for U. S. Plant Patent #3,156, Victoria seed germinated at an unusually fast rate: 41% by the end of the first week, 99.6% in 28 days.

Once seedlings are established, Victoria requires less maintenance than many other top bluegrass varieties, yet responds beautifully to fertilizers.



Leafspot damage in May. Common Kentucky Bluegrass on the right, Victoria on the left.

6 Compatibility with other grasses. In addition to offering excellent turf performance on its own, Victoria can blend its good qualities with those of other grasses to achieve a specific purpose. Victoria is currently being offered by ProTurf in blends with Windsor, Nugget, Merion, C-26, and other varieties.

ProTurf Victoria. A robust new bluegrass with 11 years of rigorous testing behind it . . . from the people who've been developing top-quality seed for over a century.

A division of O. M. Scott & Sons
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