

Meeting Dates

Florida Turfgrass Conference and Show, Sheraton Towers, Orlando, Fla., Oct. 12-16.

Kentucky Turfgrass Council Conference and Field Day, Barren River State Resort Park, Lucas, Ky., Oct. 14-15.

Southern California Turfgrass Council, 15th annual turfgrass equipment and materials exposition, Orange County Fairgrounds, Costa Mesa, Calif., Oct. 22-23.

26th Central Plains Turfgrass Conference, Manhattan, Kan., Oct. 22-24.

Industrial Weed Conference, Rudder Center, Texas A & M University, College Station, Texas, Oct. 22-24.

Wisconsin Golf Turf Symposium, 10th annual, Pfister Hotel, Milwaukee, Wis., Oct. 29-30.

Sprinkler Irrigation Association, annual convention, Camelback Inn, Scottsdale, Ariz., Nov. 2-4.

National Institute on Park and Grounds Maintenance, 5th annual educational conference, Chase Park Plaza Hotel, St. Louis, Mo., Nov. 3-6.

Better Trees for Metropolitan Landscape, U.S. National Arboretum, Washington, D.C., Nov. 4-6

Wisconsin Park and Recreation Association, annual conference, Scotland Hotel and Resort, Oconomowoc, Wis., Nov. 5-7.

Midwest Grass Conference, Vladimir's Hall, Farmington Hills, Mich., Nov., 10-11.

Clemson University Turfgrass Conference, 9th annual, Clemson House, Clemson, S. Car., Nov., 11-12.

North Carolina Irrigation Society, 12th annual conference, North Carolina State University Faculty Club, Nov. 12-13.

Tidewater Shade Tree Conference, Norfolk Botanical Gardens, Norfolk, Va., Nov. 12.

Clemson University Turfgrass Conference, 9th Annual, Clemson House, Clemson, South Carolina, Nov. 11-12.

Colorado Crop Protection Institute, 5th annual meeting, Colorado State University Campus, Ft. Collins, Colorado, Nov. 12-13.

North Carolina Irrigation Society, 12th annual conference, North Carolina State University Faculty Club, Nov. 12-13.

Grounds Maintenance Conference, Callaway Gardens, Georgia, Nov. 18-19.

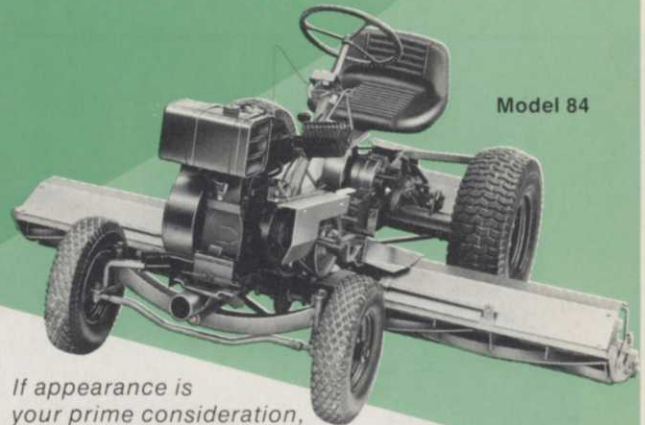
New Jersey Turfgrass Expo '75, educational conference and trade show, Sheraton Poste Inn, Cherry Hill, N.J., Dec. 1-4.

Ohio Turfgrass Conference and Show, Cincinnati Convention-Exposition Center, Cincinnati, Ohio, Dec. 2-4.

National Agricultural Aviation Association, 9th annual conference, Las Vegas Hilton and Las Vegas Convention Center, Las Vegas, Nevada, Dec. 7-11.

OCTOBER 1975

Ugly, but Economical!



Model 84

If appearance is your prime consideration, better think about another mower.

If economy and quality is what you want — you want a National Mower!

In today's economy, one of the most difficult engineering tasks is to produce a completely functional and easily maintainable machine with a minimum number of components. *We've been doing just that since 1919.*

In addition, we skimp on styling in order to lower initial price and to build mowers that give you years of extra service.

Rather than adding fancy shrouds, shiny hubcaps and frills, we concentrate on providing mowers with maneuverability and superb performance on banks and hillsides. For better quality, we use Timken bearings; automotive-type transmissions and heavy-duty, tubular steel frames. Reels adjust down to fixed bed bars providing for more rigid and longer lasting mowing units. Bed knives have turned up lips for extra wear... *a feature we introduced as early as 1925.* For professional results, National's three power-driven, free-floating reels follow ground contour and cut without skip or scalping.

Chrome accent strips don't add to serviceability, so we don't use them. National's no-nonsense design makes normal service faster than any mower on today's market.



Model 68

Check out the economies of these ugly beauties... we've been adding nothing but quality since 1919.

WRITE for detailed literature on all National Mowers



NATIONAL
Mower Company

660 Raymond Avenue • St. Paul, Minnesota 55114
Phone: 612/646-4079

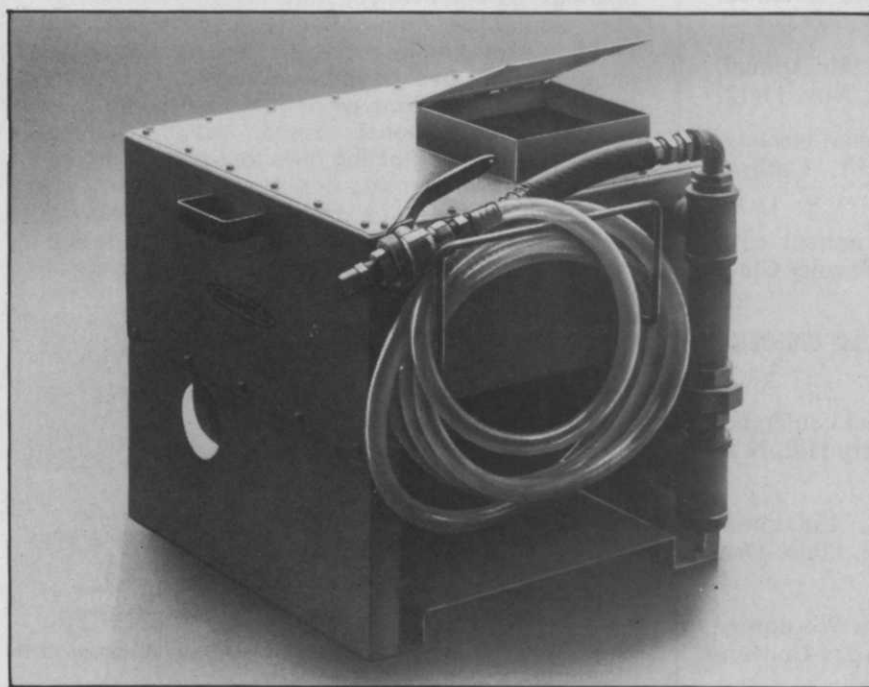
Circle 119 on free information card

New Products



MINOR: West Germany's Solo Kleinmotoren self-propelled mist blowers are now standard fitted with the company's single-nozzle "Teleblast" gun for 50 ft. reach, in addition to the earlier versions with standard radial 8-nozzle blower heads. This self-propelled riding and walking-type "Minor" mist blower models can be adapted for diesel operation at a moderate surcharge. The chief advantages of diesel power are fuel savings and prolonged engine life. Solo Minor -450 self-propelled features 40 gallon hi-concentrate tank, low pressure all-terrain tires and 37 in. track for operation in narrow spaces.

Circle 701 on free information card.



TREE WRAP: A new kind of wrapping introduced by 3M Co., helps protect young trees from gnawing animals and sunscald. The manufacturer claims it is breathable and stretchable and sticks to itself. It conforms to trunk irregularities and its elasticity also prevents gapping and binding to restrict growth. Its porous nature prevents pockets of moisture from forming next to the bark causing rotting and splitting.

Circle 702 on free information card.



WORLD'S SMALLEST: Reinco, Inc. introduces the new PP20L, the world's smallest hydrograsser, designed specifically for testing and evaluating purposes. The new miniature-sized hydrograsser has a 20 liter capacity and can be transported in the trunk of a car. It allows minimum coverage and added control when experimenting on a small scale with fertilizers, mulch slurries or binders, according to the manufacturer. The PP20L prevents waste and assures proper application rates.

Circle 703 on free information card.

CIRCLE FOR FREE INFORMATION

CIRCLE the numbers which correspond to advertising, or new product listings in this issue. Then complete the form at right and mail. Inquiries serviced for 90 days from date of issue.

NAME _____

TITLE _____

COMPANY _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

101	137	173	209	245
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103	139	175	211	247
104	140	176	212	248
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136	172	208	244	729

CONTINUE TO RECEIVE WEEDS TREES & TURF

Are you interested in receiving or continuing to receive WEEDS TREES & TURF? YES NO. If yes, complete all information on this card and mail.

(Signature) _____

Date _____

CHECK ONE THAT APPLIES MOST

- (1) Sod Growers
 (2) Tree Service Companies
 (3) City Managers
 (4) Contract Applicators (Ground and helicopter)
 (5) Rights-of-Way Maintenance, Highway
 (6) Rights-of-Way Maintenance, Utility

- (7) Rights-of-Way Maintenance, Railroad
 (8) Golf Course Superintendents
 (9) City Purchasing Agents
 (10) Parks & Grounds Superintendents, (federal, state, municipal)
 (11) Irrigation & Water Supply Contractors
 (12) Turf Specialists (Includes Seed Growers)
 (13) Armed Forces Installations
 (14) Airports
 (15) Hospitals, Schools, Colleges, Race Tracks, Shopping Centers
 (16) Cemeteries
 (17) Athletic Fields
 (18) Industrial Parks (Factory Lawns)
 (19) Golf Course Greens Chairmen, Owners, Managers and other Supervisory personnel
 (20) Consultants
 (21) Industrial Research
 (22) Institutional Research and Teaching
 (23) Formulators of Herbicides, Insecticides, and Related Compounds for Vegetation Maintenance and Control
 (24) Retailers or Wholesalers of Chemicals Used in Vegetation Maintenance
 (25) Libraries
 (26) Regulatory Agencies, Associations

FIRST CLASS PERMIT
NO. 665
DULUTH, MINN.

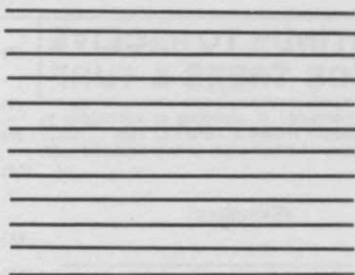
BUSINESS REPLY MAIL

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POSTAGE WILL BE PAID BY

WEEDS TREES & TURF

Box 6049
Duluth, Minnesota 55806



People on the Move

Dr. John A. Budny, named associate director of toxicology for the Agricultural Chemicals Division of Diamond Shamrock. Budny will be responsible for providing information on and expertise in toxicology for determining product safety. He will also assist in registration of new products.

* * *

George W. Hamilton, joins Rhodia, Inc., Agricultural Division as market supervisor for non-crop, industrial and turf markets. Also, **Robert E. Cummins**, promoted to distribution and production planning manager in the Division's operations department.

* * *

Robert H. Wakefield, named vice president of marketing for Onan Division of Onan Corp. Wakefield spent most of his business career with Ford Motor Co., where he was most recently marketing manager of the Industrial Engine Division.

* * *

William H. Culpepper, Jr., transfers within Elanco Products Co., to manager, market planning responsible for Surfian, Paarlán, and Balan. He joined Elanco in 1967 and has held positions as a sales representative and marketing associate. In other company moves, **Nolen P. Cox**, promoted to an agricultural chemicals district sales manager. He will manage the Indianapolis sales district. **Dennis H. Lade, Ph.D.**, promoted to manager market planning responsible for new products in the agricultural chemicals marketing planning division.

* * *

Harold Vandiver, moves up to regional manager of the Southwest Region of Thompson-Hayward Chemical Co. He will be responsible for the marketing efforts of each of the eight distribution centers located in this region.

* * *

Dr. Ronald Wiegand, named director of research and development for the Agricultural and Veterinary Products Division of Abbott Laboratories. He was formerly director, product planning and development. **Dr. Mark G. Wiltse**, joins the Division as manager, agricultural chemical field development. Wiltse will be responsible for field development and technical support to marketing and sales.

* * *

Edward T. Rhodes, named deputy assistant administrator for administration for EPA. Rhodes comes from the Department of Health, Education and Welfare.

* * *

L. "Phil" Maxwell, promoted to sales coordinator for Walbro Corp., Carburetor Division. **John W. Underwood**, appointed managing director of Walbro's West Germany operation.

Don't settle
for less
than . . .



Warren's® A-20

KENTUCKY BLUEGRASS
SOD AND SOD PLUGS

A-20 is rated first in disease resistance and recovers fast from injury because of its vigorous rhizome growth. A-20 will do well in up to 50% shade.

Warren's® A-34

KENTUCKY BLUEGRASS
SOD, SOD PLUGS
& SEED

A-34 should be considered where shade is a problem together with areas of full sunlight. A-34 will thrive in up to 65% shade and grows vigorously in full sunlight.

A-20 AND A-34 ARE PERFORMANCE PROVEN FROM COAST TO COAST

University ratings on A-20 and A-34, descriptive literature, prominent job site list and nursery locations are available upon request.

WARREN'S LAWN FOOD

We sincerely recommend you use Warren's Lawn Food. It is the same lawn food used to produce Warren's highly rated grasses.

Warren's TURF NURSERY

INCORPORATED

8400 West 111th Street
Palos Park, Illinois 60409
Phone: 312/974-3000

Warren's

NURSERIES

Located Near

CHICAGO
NEW YORK
INDIANAPOLIS
CLEVELAND
AKRON
COLUMBUS
MILWAUKEE
SAN FRANCISCO

Warren's

ASSOCIATE GROWERS

WASH., D.C. — BALTIMORE
Princeton Turf Farms
Route 3, Box 105A
Centreville, Md. 21617
(301) 827-8454

PHILADELPHIA
Princeton Turf Farms, Inc.
P.O. Box 245, Old York Road
Hightstown, N.J. 08520
(609) 448-9300

LONG ISLAND
De Lallo Sod Farms, Inc.
652 Deer Park Avenue
Dix Hills, New York 11746
(516) CH 9-6616

WICHITA
M. Meyer & Son Nursery
5439 S. Hydraulic
Wichita, Kansas 67216
(316) 524-3413

KANSAS CITY
Princeton Turf of Kansas City
(Latta-Scholes, Inc.)
Box 9268 - Riverside Station
Kansas City, Mo. 64168
(816) 741-4800

BUFFALO
Country Side Turf
7229 Plank Road
Lockport, N.Y. 14094
(716) 434-5338

PROVIDENCE
Kingston Turf Farms
Dugway Bridge Road
West Kingston, R.I. 02892
(401) 789-0630

BOISE
Cloverdale Nursery
2528 N. Cloverdale Rd.
Boise, Idaho 83704
(208) 375-5262

MINNEAPOLIS — ST. PAUL
Green-Way Turf Nursery
939 Washington
Anoka, Minn. 55303
(612) 427-4210

OSHKOSH
Hamman Brothers
8406 Hollander Lane
Pickett, Wisc. 54964
(414) 589-3681

OMAHA
Long Creek Nursery
5910 N. 52nd Street
Omaha, Nebraska 68104
(402) 453-9586

ENGLAND
(Distributor A-34 Seed)
Hurst Gunson Cooper Taber Ltd.
Witham, Essex
Phone: Witham 3451

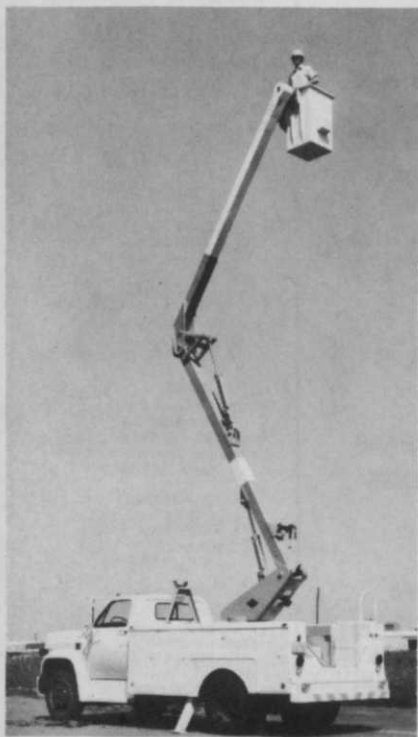
Eastern Cultivated Turf Farms Ltd.
Cranley Nursery, Cranley Gardens
Muswell Hill
London, N10 3AR
(01) 883-5880

SCOTLAND
Meldrum Nurseries
Montrose Road, Silverwells
Arbroath, Angus, Scotland
Phone: Arbroath 2286

FRANCE
R. F. Besnard
1, Rue Bellanger
92200 Neuilly Sur-Seine
(A Suburb of Paris)
(010) 624-3403

VERSALIFT: Time Manufacturing Co., says this unit has a bucket capacity of 350 lbs. and is positive leveled. It is available in heights of 32 ft. and 36 ft. Full hydraulic controls are provided as well as hydraulic tool power in the bucket. Primarily hydraulic power is provided by a PTO-driven pump or DC motor pump. Engine start-stop from the bucket is standard on PTO models and is complimented by an automatic throttle control system.

Circle 705 on free information card.



BIG-FLOW: Molded from glass reinforced thermoplastic polyester resin, this pump is highly resistant to many chemicals, according to Metra Corp. The self-priming centrifugal pump is easy to disassemble and wetted parts are reinforced polyester, stainless steel, Buna-N, EPDM and Viton. The manufacturer claims the pump will deliver up to 14,000 gph with suction lift up to 25 ft. A built in check-valve eliminates backflow when shut off. The unit is recommended for mounting with electric motors up to 3450 rpm and 74 hp. A universal metal base is also available.

Circle 704 on free information card.

SNOZZLE: Eagle Manufacturing Co., introduces a new special nozzle for their "M" series gasser cans and "A" series all-purpose galvanized filler cans. Manufacturer says the snozzle makes for easier pouring because of their unique flat nose or pouring rest.

Circle 706 on free information card.



AERIAL LIFT: Teco Inc. has a new personnel lifting platform called Vanguard. According to company officials, the Vanguard is designed for safety, easy maintenance and versatility. The new unit is less complicated and contains more efficient components, eliminating the need for sprockets, chains, cables, fiberglass insulator rods and sheaves used in lifting the upper boom, says the manufacturer. Minimizing the number of hidden components, general maintenance and routine safety checks are simplified.

Circle 707 on free information card.

LAPPING COMPOUND: A new gel base reel lapping compound from Hertron Chemical Co. The chemical properties of this compound cause it to cling to the reel blade, reducing walk-off and saving up to 90 percent of grit waste, says Hertron. It is a premixed compound which contains 20-40 percent more grit by weight than any other pre-mixed lapping compound, claims the manufacturer. The gel base keeps the grit in permanent suspension and rinses clean with the use of regular water tap pressure.

Circle 708 on free information card.



ATTACHMENT: Two heavy-duty offset trencher attachments are available from Vermeer Manufacturing Co. The new units are designed for close-in trenching and for installations along narrow-shouldered roadways, says the manufacturer. Both feature dual auger spoil control, digging depths from 0-72 in., widths up to 14 in. and a choice of digging chains — 70,000 lb. test and 150,000 lb. test. One model, a permanently mounted unit, can be shifted laterally for digging not only to the edge of the right wheel, but also in the center on the machine like a conventional trencher. The other unit is interchangeable with additional dirt handling attachments, including a conventional trencher, rock cutter wheel, vibratory plow, etc.

Circle 710 on free information card.

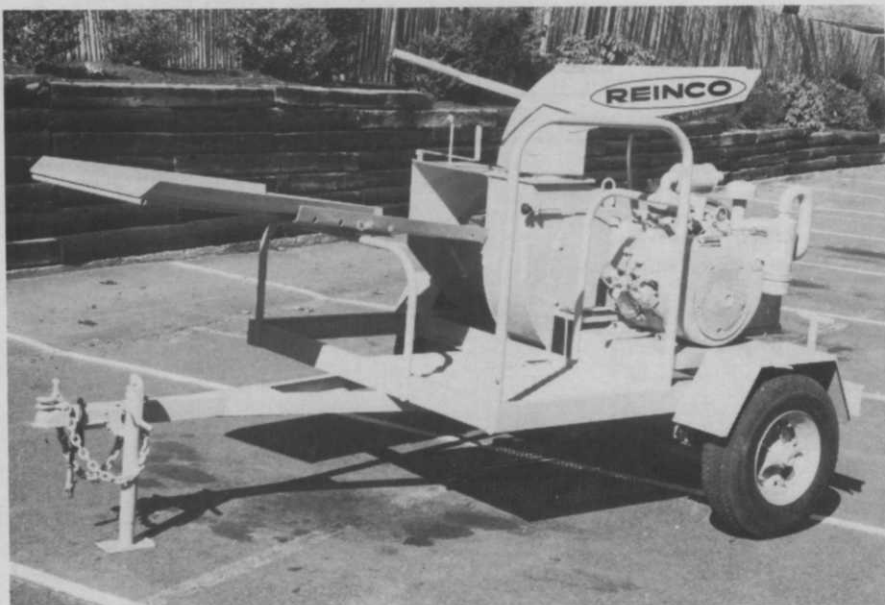


BOMBI: This new multi-terrain personnel carrier, smallest industrial tracked vehicle made by Bombarrier Limited, has an enclosed steel cab designed to meet OSHA roll-over protective standards. The three-man carrier can be used in snow, swampland, and other off-road areas.

Circle 711 on free information card.

Y FILTER: The Y filter was designed by Drip Irrigation Corp. for the head of each drip line on large scale installation, but the manufacturers claim it has dozens of other uses. The Y filter, 3/4 in. and 1 in. width hose inlet, is ideal for up to 25 gpm irrigation lines. Constructed of polypropylene, the unit has 120 mesh stainless steel screen that's removable for cleaning. There are no moving parts and it serves as a "fuse" for existing irrigation lines for conversion to drip irrigation by screening out scale and deposits that could cause stagnation in flow.

Circle 712 on free information card.



MULCHER: This new trailer-mounted power mulcher from Reenco, is said to be capable of spreading 4 tons of straw mulch per hour up to distances of 60 ft. As each job is completed, the machine can be unhitched so that there is no truck tie-up. The trailer construction permits added mobility and maximum access over rough terrain. Reenco's patented "straight-through" drive principle allows full engine horsepower output to be available for breaking and placing mulch. Less maintenance and easier operation in addition to an optional asphalt emulsion system makes the TM7-30(X) a versatile, high velocity mulcher for landscape contractors, nurserymen-landscapers and municipal road departments, according to the manufacturer.

Circle 709 on free information card.

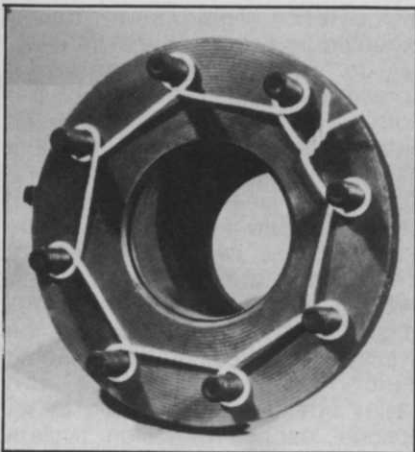


WORK HORSE: Fits large frame Bolens tractors. ARPS Corp., manufacturer of the unit, says it features reinforced welded tubular frame, automotive quality gear box with heat-treated cut steel gears, heavy-duty ball and roller bearings and shear-bolt protection.

Circle 713 on free information card.

DRILL PROOF: Weil Service Products Corp., introduces a new maximum security pad-lock. The "Drill-Buster" utilizes a special 8-pin cylinder requiring burglar alarm type tubular keys. A hardened steel 2 in. chrome-plated case is combined with a double locking hardened steel shackle.

Circle 715 on free information card.

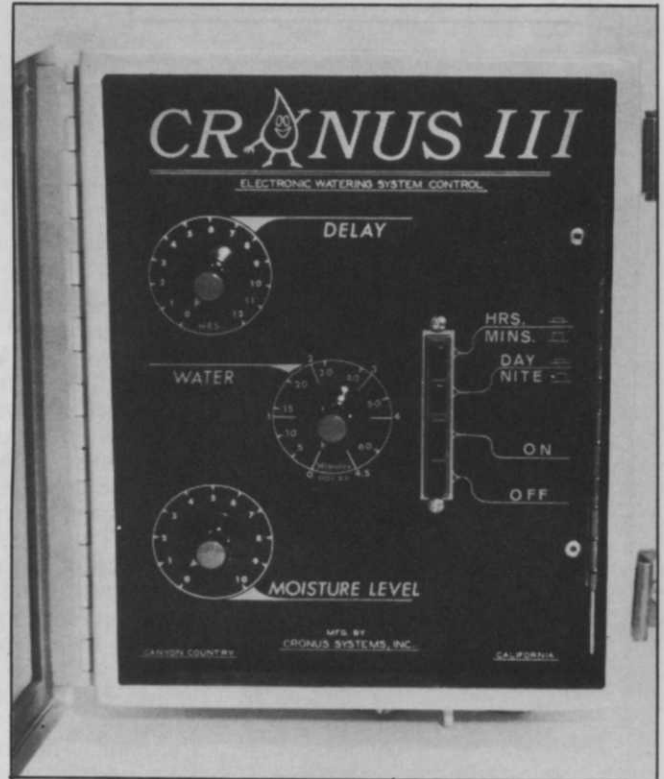


GASKET: Weil Products claims this material is a quick way to create any gasket or pack any valve — economically and with no inventory of ready-made gaskets or packings.

Circle 716 on free information card.

CRONUS III: Watering control, claims Cronus Systems, Inc., is the only system that can control 10 valves ranging in size from 1/4 in. to 10 in for one full year on 2 low cost dry cell batteries. Other features include: Moisture sensing which eliminates unnecessary watering; day or night operation; photocell control — provides settings to operate up to 12 hours after either sunrise or sunset; no mechanical clock; plug-in electronic printed circuit board for easy maintenance; all controls are mounted on the front panel and are knob or push button settings.

Circle 714 on free information card.



CALCULATOR: Land Row says this unit is a handy, easy-to-use slide rule type calculator for speedily converting linear measurements to acres or square ft. The unit is 3 1/2 in. wide and 6 1/2 in. long. Acreage calculations are simply made by adjusting the scale to desired width in feet and reading appropriate acreage adjacent to selected length in either feet or miles.

Circle 717 on free information card.

Width x Length = Acres

LAND • R-O-W •

Acreage / Square Feet Calculator

Numbering of Sections in Township

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

LENGTH (FEET)

25	2,434	1
50	4,868	2
75	7,273	3
100	9,697	4
200	19,374	8
300	29,061	12
400	38,748	16
500	48,435	20
600	58,122	24
700	67,809	28
800	77,496	32
900	87,183	36
1000	96,870	40
1200	115,044	48
1400	133,218	56
1600	151,392	64
1800	169,566	72
2000	187,740	80
2400	227,280	96
2800	266,820	112
3200	306,360	128
3600	345,900	144
4000	385,440	160

1/4 MI.—1320 84.85 35
1/2 MI.—2640 169.70 70
3/4 MI.—3960 254.55 105
1 MI.—5280 339.40 140

Acres = Length x Width

For acreage calculation, adjust scale to desired width and read acreage directly adjacent to selected length in feet (left side — black) or length in miles (right side — red).

See reverse side for square feet calculations.

THE SECTION OR LAND CONTAINED HERE SHOWN ONLY ON ONE SIDE

1000 FEET	100 FEET	10 FEET
100 ACRES	10 ACRES	1 ACRES
1000 FEET	100 FEET	10 FEET
100 ACRES	10 ACRES	1 ACRES

WIDTH (FEET)

5	.052	.057
10	.103	.115
15	.155	.172
20	.207	.228
25	.260	.293
30	.312	.348
35	.365	.403
40	.417	.459
45	.470	.514
50	.522	.569
55	.575	.624
60	.627	.679
65	.680	.734
70	.732	.789
75	.785	.844
80	.837	.899
85	.890	.954
90	.942	1.009
95	.995	1.064
100	1.047	1.119
110	1.157	1.230
120	1.267	1.341
130	1.377	1.452
140	1.487	1.563
150	1.597	1.674
160	1.707	1.785
170	1.817	1.896
180	1.927	2.007
190	2.037	2.118
200	2.147	2.229
210	2.257	2.340
220	2.367	2.451
230	2.477	2.562
240	2.587	2.673
250	2.697	2.784
260	2.807	2.895
270	2.917	3.006
280	3.027	3.117
290	3.137	3.228
300	3.247	3.339
310	3.357	3.450
320	3.467	3.561
330	3.577	3.672
340	3.687	3.783
350	3.797	3.894
360	3.907	4.005
370	4.017	4.116
380	4.127	4.227
390	4.237	4.338
400	4.347	4.449
410	4.457	4.560
420	4.567	4.671
430	4.677	4.782
440	4.787	4.893
450	4.897	5.004
460	5.007	5.115
470	5.117	5.226
480	5.227	5.337
490	5.337	5.448
500	5.447	5.559

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Swing-shift!

Equip your 3-point hitch tractor with a new Ford rear blade. Ten to choose from. Great way to match your job needs, your tractor power, and your budget.

Swing offset adjustment is standard on most models, making it easy to offset blades right or left of center. Steel moldboards are specially formed to roll the load. Cutting edges with highway standard hole spacing can be replaced.

Blades can be angled, tilted, and reversed 180-degrees, adapt to many grading, leveling, landscaping, ditching, terracing and backfilling operations.

Ten new Ford rear blades. 6 to 10-foot widths. Now at your Ford Tractor dealership. He's listed in

the Yellow Pages under "Tractor Dealers" or "Contractors' Equipment & Supplies". See him for information on how to buy, rent or finance.



Landscape, build lawns, maintain beaches and roadways, clean up with new Ford Landscape Rakes. Economy and swing offset models. 6 and 8-foot widths. Optional attachments for special needs.

FORD TRACTORS



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: All classifications 50¢ per word. Box number, \$1. 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.

FOR SALE

GRASS SOD: Meyer Z-52, Emerald and Matrella Zoysia-Tufcote Bermuda-Centepide 50 to 199 yards at \$1.70 per yard — 200 yards and up @ \$1.30 per yard. Ask for quotes on large quantities. Cartwright Nursery Company, Collierville, Tennessee 38017. Phone 901 853-2352.

FOR SALE — A going tree surgery business carrying 4 to 6 men. Financing made easy if needed. Call for appointment for or write P.O. Box 1685, Plainville, Mass. 02762. Phone 617 695-5461

FOR SALE: Over 800 evergreen hicks. 24" to 4' high. May leave on lot one year. Sycamore Tree Service, Box 74, Sycamore, Ohio 44882. Phone 419 927-9752.

LAWN MAINTENANCE and spraying company in Orlando, Florida. \$55,000 — write Steve Bilko, 2716 Kingfisher Drive, Orlando, Florida 32806.

USED EQUIPMENT

1971 SERVI-LIFT with elevator 52' working height mounted on GMC truck with 8000 miles, 1972 Vermeer stump grinder model 1560, 1972 Asplund 16" V-8 brush chipper. Call 203 666-0661.

LOG CHIPPER, Vermeer 1971 650 hours, like new, make offer. Bob Calloway, c/o Western Motel, 715 Wilbarger, Vernon, Texas 76384. Phone 817 552-2531.

FOR SALE: 2 used aerial baskets — 50 ft. working height, 2 Asplundh brush chippers. Bean sprayer, 35 G.P.M. Vermeer stump cutter 1560. Parkway Tree Service, Milwaukee, Wisconsin. Phone 414 257-1555.

VERMEER TREE SPADE TS-30 TS-44T, and TS-66T. Bowie Hydro-mulcher 500 gallon, trailer model. Call for complete details. Phone 817 461-9209.

SEEDS

SOD QUALITY Seeds Merion, Fyking, Delta, Park, Newport, Nugget, Adelphi, wcheri, Glade and Baron bluegrasses also fine fescues. Manhattan rye grass. Custom mixing available. Michigan State Seed Co., Grand Ledge, Michigan 48837. Phone 517 627-2164.

HELP WANTED

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.

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NOTICES

MIDWEST GRASS CONFERENCE
November 10th & 11th. 9 A.M. to 5 P.M.

Vladimir's Hall, 28125 Grand River Ave., Farmington Hills, Michigan 48024.

Featured Speakers: Dr. K. T. Payne, Michigan State University, Dr. John Harper II, The Pennsylvania State University, Dr. Joseph Duich, The Pennsylvania State University, Dr. Dave Martin, Ohio State University, Dr. Alfred Turgeon, The University of Illinois.

Registration Fee \$25.00 (includes two buffet lunches). Make check or money order payable to Lawn Sprayers Association of Michigan. Mail to 22663 Middlebelt Rd., Farmington Hills, Michigan 48024.

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H. Barley Morley, president of Stauffer Chemical Company, (right) and Norishige Hasegawa, president of Sumitomo Chemical Co., Ltd., sign a joint venture agreement at Stauffer's Westport, Conn. headquarters, establishing Mount Pleasant Chemical Company. The new company will build a multi-million dollar plant to produce Sumithion insecticide. Based on Sumitomo technology and supplied with raw materials and operated by Stauffer, the plant is scheduled for completion in early 1977.

Trimings

Controlled-release pesticide concept applies to such things as disease-carrying snails, aquatic weeds, crop-attacking insects and other pests may be on its way to becoming the most popular method of pest control. How the controlled-release pesticide movement developed, where it stands now, and what can be expected of it in the future are discussed in a new book written by Nate Cardarelli, associate professor of general technology at the University of Akron, Akron, Ohio. Cardarelli wrote the book at the request of Dr. Guntar Zweig of the Federal EPA.

"Controlled-release offers a heck of a lot of promise to control pests with much less environmental contamination than conventional pest control methods, which rely on massive dosing of the environment with consequent destruction of plant and animal life and general contamination of soil, air and water," Cardarelli said.

In the book, "Controlled Release Pesticides Formulation," such topics as antifouling materials, snail control, and various plant, insect, and rodent killers and controls are discussed.

Aquatic herbicides involve control of such plants as water hyacinth and alligator weeds, which foul up water and hamper passage by water craft. To continually cut the plants, he explains, means that they are free to float and take root elsewhere. Controlled release pesticides can attack this problem without harming other aquatic life. The book is scheduled for release in November.

More of our nation's 22 million senior citizens are turning to golf as the ideal sport and leisure-time activity. Several major cities throughout the U.S. have developed senior golf play activities on their municipal courses. The Milwaukee County Park Commission reports that during 1974, senior golf play accounted for 18.1 percent of the total rounds played on its 14 municipal courses. Tucson reports that 15.8 percent on the total play on its three municipal courses was played by the age 62-and-over crowd.

National Golf Foundation reports that there is every indication that

senior golf play will increase materially in the next quarter century. It is estimated that there will be a population increase of 30 percent in the age 65-and-over group by the year 2000.

"Senior Citizens and Golf", a 24-page booklet published by the Foundation contains a history of and details on several successful senior golf programs along with forms used in initiating and implementing such projects. For a copy (\$1.00 post-paid) write NGF, Room 707 Merchandise Mart, Chicago, ILL 60654.

USDA reports a first sighting of gall wasp in the U.S. The wasp, an oriental import, primarily attacks Chinese chestnut trees. The present outbreak involves chestnut groves in Bryon and Fort Valley, GA. The wasp is very small, about 1/8 inch long, black, with clear wings. The larva are only slightly smaller than the adults and resemble maggots. Other than the insect itself, the chief sign of the wasp's presence are "galls", or small brown knobs on the end of chestnut twigs. The agency reports that gall wasps are responsible for significant reductions in chestnut yields in Korea and Japan. Several control methods are available to growers if this new insect invader proves to be a serious pest in the U.S.

"Lawn Mower Safety", a 9 1/2 minute film released by International Harvester, is designed to alert the viewer to the fact that safe operation of a rotary mower requires certain common-sense precautions on the part of the operator. It's not a "rule" film. Its intent is to make the viewer want to read and heed the company's manual and the safety in a series of Super 8 Cinema safety films for use by dealers in educating their customers.

Other media material from International includes a new brochure featuring the company's complete line of snow removal equipment. The six-page brochure describes snow blowers, snow throwers as well as front blades. Copies are available from local International dealers or upon request from: Advertising Department, International Harvester, 401 N. Michigan Ave., Chicago, Ill. 60611.

National Golf Foundation is sponsoring two national daily fee golf course management workshops. NGF's first workshop will focus on the critical problems of operating a for-profit golf business, including: competing with low-fee municipal golf; lobbying for property tax and zoning equity; building better public and press relations; solving people problems; improving course maintenance within a budget; and attracting and properly educating new golfers. The Eastern workshop is scheduled for November 10-12, 1975 at Marriot Inn, Cleveland, Ohio and the Western workshop for November 17-19, 1975 at Hyatt House, Burlingame, California.

National survey figures recently released by the Golf Course Superintendents Association of America (GCSAA), intended to provide its membership general guidelines, also prove to be of interest to the comparison minded golfing public.

Knowing full well before they began that the "average golf course" does not exist, GCSAA's survey now reports some interesting points for golfers and non-golfers alike to ponder.

The mythical "average course" will be an 18-hole private course with more than 400 members. It will be open ten months of the year during which time 37,340 rounds of golf will be played.

The golf course superintendent will manage 168 acres with bluegrass fairways averaging 2.9 acres each, bluegrass tees of 2,460 square feet and bentgrass greens of 5,914 square feet.

To keep this area in the condition desired by his membership, the superintendent's annual operating budget will be \$109,501. This annual total includes items such as a \$7,964 investment in capital equipment, \$59,301 for labor (excluding the superintendent's salary), \$5,068 for fertilizer, \$4,298 for pesticides, \$4,810 for equipment repair and \$1,767 for seed.

A comparison of these recent survey results with those of a similar survey made in 1971 reveals a 19.7 percent increase in overall operating budgets while the actual maintained acreage of golf courses decreased 3.85 percent.



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