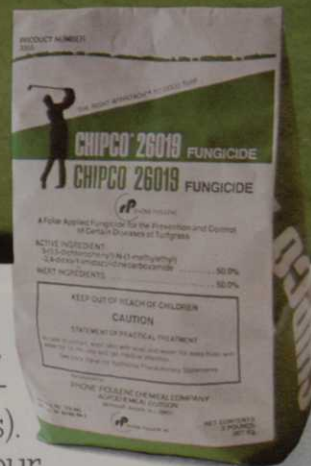


26019[®]



26019 against dollar spot (including benomyl-resistant dollar spot), Helminthosporium (leaf spot and melting out), brown patch, Fusarium blight and Fusarium patch (west of the Cascade Mountains). Chipco 26019 also suppresses grey and pink snow molds. Ask your Chipco distributor or Rhône Poulenc representative about effective, long-lasting Chipco 26019...the strong medicine in turf disease prevention. Rhône Poulenc Chemical Co., Agrochemical Div., Rhône Poulenc Inc. Monmouth Junction, NJ 08852.





SABRE

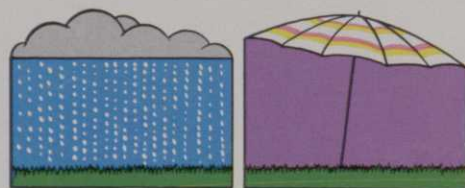
World's finest *Poa trivialis*? Probably.



The first U.S. variety of *Poa trivialis* granted a Plant Variety Protection Act Certificate, Sabre is a dark green, fine-bladed turf grass that creates an absolutely superb green when overseeded on dormant turf such as Bermuda.

A rapid germinating variety, Sabre is a perfect overseeding companion for the turf-type ryegrasses and fine fescues. In an overseeding mixture Sabre has the additional advantage of reducing the seeding rate by as much as 50%.

Normal overseeding rate for either the turf-type ryegrasses or fine fescues is 35-40 lbs. per 1,000 square feet.



However, the seeding rate of either a ryegrass or fine fescue overseeding mixture which includes 20% Sabre (by weight) can be reduced to 18 lbs. per 1,000 square feet.

You can also count on Sabre to be free of *Poa annua*. (Sabre - P.V.P. No. 7700104)

INTERNATIONAL SEEDS, INC.

P.O. Box 168 • Halsey, Oregon 97348
A/C 503 369-2251 • TWX 510/590-0765



J. Marsh Lane, Carl Rinker, B.A. Raffath, and Bob Breckenridge will be in the booths exhibiting Atwater's Lo-Blo, The Air Brooms, Mi-T-Vac Vacuums, and Mi-T-Vac Loaders.
Write 707 on Reader Service Card

R.P. Barton Co.
Booth 1183, 1184
Write 297 on Reader Service Card

Bernhard Export, Bilton Rd., Rugby, Warwickshire, England CV22 7DT
Booths 751, 759, 770
Write 798 on Reader Service Card

Bolens Division, FMC Corp., 215 S. Park, Port Washington, WI 53974
Island 1165

Cephus Johnson, Dean Ossanna, Stewart Wright and Tom O'Connor will be in the island exhibiting diesel tractors, including the Bolens 292, 29-hp, 192, 19-hp, 152, 15-hp, and a 23-hp gasoline model.
Write 799 on Reader Service Card

Boots Hercules Agrochemicals Co., 3411 Silverside Rd.—Concord Plaza, Wilmington, DE 19803
Booths 1145, 1146

Ross Allmon, Charlie Mruk, George Raymond, Paul Houret and Steve Stringer will be in the booths exhibiting Hercules' Nitroform, Bluechip and Powderblue 38-0-0 organic nitrogen fertilizer.
Write 783 on Reader Service Card

Briggs & Stratton Corp., 330 N. 124th St., Wauwatosa, WI 53222
Booths 1188, 1189, 1190

John Gilman, Pat Reardon, Tony Sprenger and Al Patane will be in the booths exhibiting Briggs & Stratton's line of air cooled gasoline and diesel engines.
Write 710 on Reader Service Card

Brouwer Turf Equipment Ltd., R.R. 2, Woodbine Ave., Keswick, Ontario, Canada L4P 3E9
Booths 1160, 1161

Gerry Brouwer, Jack Bain and Ian True will be in the booths exhibiting Brouwer's hydraulic lift mowers. These mowers, available in five and seven gangs, feature Positive P.T.O. Drive and require only 24-30 horsepower.
Write 920 on Reader Service Card

The Broyhill Co., North Market Square, Dakota City, NE 68731
Booths 924, 925

Duke Equipment & Irrigation, 2344 Auburn Blvd., Sacramento, CA 95821, West Point Industries, Inc., 1320 W. 16th St., Long Beach CA 90813, and Westoro Distributing Company, 1501 Adrian Rd., Burlingame, CA 94010, will be exhibiting the Broyhill sprayers.

Craig G. Broyhill, Ernie Dixon and Mr. and Mrs. Roy F. Broyhill will be in the booths exhibiting their new line of L & G sprayers, the new Micro-Max boom nozzle, power washers, the 2000 series 150-gallon turf sprayers, and the complete

Broyhill line of parts and accessories.
Write 711 on Reader Service Card

Bundy Mfg. Co., Box 625, Fremont, Neb. 68025
Booths 947, 948
Write 800 on Reader Service Card

Bunton Co., 4303 Poplar Level Rd., Louisville, KY 40232
Island 939

Mike Packer, Ray Carter, Stan Byers, Bill Newton, Walter Ewing, and Orville McDonner will be in the booth exhibiting Bunton tractors and mowers.
Write 708 on Reader Service Card

E. F. Burlingham & Sons, P. O. Box 217, Forest Grove, OR 97116
Booths 319, 320

Bob Peterson and Paul Florence will be in the booths exhibiting Koket chewing-type fescue, Birka, Bonnieblue, Majestic and Sydsport Kentucky bluegrasses, Belle perennial ryegrass and Falcon tall fescue.
Write 709 on Reader Service Card

C-I-L Inc., 201 Queens Ave., London, Ontario, Canada, N6A 4L6

Island 125
Peter Buckley, Stan Kleczynski, and Less Morrow will be exhibiting C.I.L.'s Sulphur Coated Urea.
See advertisement, page 56.
Write 712 on Reader Service Card

California State Polytechnic Universities/Ornamental Horticulture
Booths 1174, 1175
Write 801 on Reader Service Card

Certified Laboratories
Booth 159
Write 802 on Reader Service Card

The Champion Co., 400 Harrison St., P.O. Box 967, Springfield, OH 45501
Booths 713, 714

W.C. McNabb will be in the booths exhibiting Champion's three cubic yard dump trailer.
Write 805 on Reader Service Card

Champion Sprinkler Equipment, 1460 N. Naud St., Los Angeles, CA 90012
Booth 826

Tony Pejsa, Keith Kirby, Chuck Hoover, Gary Dunn, John Baker and John Ten Brock will be in the booth exhibiting underground and above ground sprinklers.
Write 806 on Reader Service Card

Carroll Childers Co., P.O. Box 12951, Houston, TX 77017
Booths 940, 941

Carroll Childers, Clark Skillern, Mike Misunas, Chas. Chapman and Jonathon Scott will be in the booths exhibiting prefabricated pumping equipment.
Write 804 on Reader Service Card

J.I. Case Co., A Tenneco Co., 700 State St., Racine, WI 53404
Booths 342, 343

Write 921 on Reader Service Card

Ciba-Geigy Corp., Box 11422, Greensboro, NC 27409 Booth 354

Ed Mengel, Mark Langkamp, Cal Hoadley and Jay Thompson will be in the booth exhibiting diazinon.

There will also be prizes given for correct ID of 10 turfgrass insects pictured at the booth.
Write 807 on Reader Service Card

J.A. Cissel Co., Inc., Squankum-Yellowbrook Rd., P. O. Box 339, Farmingdale, NJ 07727
Booth 179

Mr. John A. Cissel and Mrs. Joan E. Cissel will be in the booth exhibiting the Cissel Netting designed to provide a barrier to prevent "off course" golf balls.
Write 734 on Reader Service Card

W.A. Cleary Chemical Corp., P.O. Box 10, Somerset, NY 08873
Island 121

Barbara Cleary, Dr. Paul Sartoretto, Clay Nelson and Andy Bertoni will be in the booths exhibiting Cleary's complete line of turf chemicals, including new flowable materials.
Write 713 on Reader Service Card

Club Car, Inc., P.O. Box 4658, 4152 Washington Rd., Augusta, GA 30907
Island 801

William A. Dolan, Richard H. Lemmon, John English, T. Mark McClure, George H. Inman, Sam W. Mays, J. William Wooten and Howard H. Goodwin will be in the island exhibiting their golf cars, industrial four-passenger vehicle and industrial utility vehicle.
Write 807 on Reader Service Card

Colby Pioneer Peat Co., Box 8, Hanlontown, IA 50444
Booth 363

Malcolm D. Colby and John E. Colby will be in the booth exhibiting their peat and topdressing mixture for golf course construction.
Write 714 on Reader Service Card

Continental Custom Bridge Co., Route 5, Box 178, Alexandria, MN 56308
Booth 527

Gene Henderson will be in the booth exhibiting Continental's custom built bridges.
Write 715 on Reader Service Card

Coursigns, Inc., Box 403, Lake Forest, IL 60045
Booth 346

Robert Isham, Don Wegrzyn, Gail Wegrzyn and Chuck Daugherty will be in the booth exhibiting rakes, signs and stakes and other accessories for golf course use.
Write 808 on Reader Service Card

Cushman Turf & Ryan Turf Equipment/OMC Lincoln, P. O. Box 82409, Lincoln, NE 68501
Booth 501

Johnny Bozarth, Clarke Staples, Bob Brophy, Bill France, Dick Gordon, Dan Hedglin, Ivan Vagts, Jerry Ogren, Charlie Hines, Kirk Reimers, Frank McDonald,

Continues on page 24



Herb Jespersen, Scott West and Sandi Pyle will be in the booth exhibiting sod cutter, aerators, power rakes, roller, top dresser; sprayer; three- and four-wheel turf utility vehicles, tractor (gas), tractor (diesel), attachments 60" and 72" mowing decks, snow thrower and brush.
Write 716 on Reader Service Card

Cyclone Seeder Co., P.O. Box 1649, Harrisburg, PA 17105
Booth 335

Paul Polinsky, sales mgr., Bill Gibbons, asst. sales mgr., and Ray Gill will be in the booth exhibiting Cyclone's broadcast seeders/spreaders.
Write 809 on Reader Service Card

Ross Daniels Inc., 1720 Fuller Rd., West Des Moines, IA 50265
Booth 341

Dave Bruels will be in the booth exhibiting Ross Tree Stakes for labor saving feeding of trees and shrubs, Ross Root Feeder for deep feeding and watering of trees and shrubs, and Ross Tree-gards for the protection of young, newly-planted trees.
Write 790 on Reader Service Card

Dayni Controls Mfg. Co., 18414 Eddy Street, Northridge, CA 91325
Booth 448

Clifton Burwell, Ernest Ives and Gail Martyn will be in the booth exhibiting the Dayni automatic irrigation control system, lawn sprinkler control systems, automatic greenhous misting control systems, Water height control systems, all of which operate on electricity or batteries and Dayni valves.
Write 810 on Reader Service Card

Dedoes Industries, Inc., 1060 W. Maple Rd., Walled Lake, MI 48088
Island 111

John Dedoes, Marvin Pribble and Rick Davy will be on the island exhibiting Dedoes line of aerators, trap sprayer and plow attachments for the Smithco tractor.
Write 811 on Reader Service Card

Deines Corp., P.O. Box 207, Ransom, KS 67572
Booths 785, 786

John Taylor will be in the booths exhibiting the Marty-J front-mounted rotary riding lawn mowers.
Write 812 on Reader Service Card

Diamond Shamrock Corp., 1100 Superior Ave., Cleveland, OH 44114
Booths 603, 604
Write 813 on Reader Service Card

Ditch Witch, Div. of Charles Machine Works, Inc., P.O. Box 66, Perry, OK 73077
Booths 1217, 1218, 1231, 1232

Jeff Griffin, Paul Rogers and Raymond Coker will be in the booth exhibiting trenching and vibratory plowing equipment.
Write 814 on Reader Service Card

Dotech, Inc., P. O. Box 3322, Charlotte, NC 28203
Booth 321

Herb Thrower and Bill Dooley will be in the booths exhibiting Hertron Diamonite pre-mixed reel lapping compound.
Write 717 on Reader Service Card

DOW Chemical U.S.A., Ag. Products Dept., 9008 Dow Center, Midland, MO 48640
Booths 682, 683

Dow's turf chemicals will be exhibited.
Write 815 on Reader Service Card

E.I. du Pont de Nemours & Co., 1007 Market St., Wilmington, DE 19898
Booths 601, 602

C.D. Boykin, A.D. Hobbs, P.R. Kolb, G. Arkwright, C. Morris, R.M. Wilhelm, and R.R. Young will be in the booths exhibiting Tersan 75, Tersan 1995, Tersan LSR, Tersan SP, and Tupersan.
Write 718 on Reader Service Card

E-Z-Go, Textron, 1225 N. County Road 18, Minneapolis, MN 55427
Island 401

Dave Schul, Joan Lee, Bruce Rushton, Hall Wendel, Mike Stokely and John Bush will be in the booth exhibiting E-Z-Go golf cart and GT-7 turf vehicles.
Write 818 on Reader Service Card

Eagle Vehicles, Inc., 8181 Hoyle Ave., Dallas, TX
Island 839

Steve O'Neill, R.K. Johnson, Bob Womack, Jack Thomas will be exhibiting the new Legent Golf Cars.
Write 719 on Reader Service Card

Elanco Products Corp., 740 S. Alabama St., Indianapolis, IN 46285
Booths 708, 711

H.P. Riddell, Jack Laurin, Jerry Cash, Dr. A.T. Perkins and Mike Nealon will be in the booths exhibiting Surflan, Balan, Treflan and the new Treflan 5G dispenser box.
Write 784 on Reader Service Card

Estech General Chemicals Corp., P.O. Box 1996, Winter Haven, FL 33880
Booths 606, 607, 608

I.B. Stacey, E.E. Bredeson, R.P. Crump, R.A. Doyle, T. Foley, D. Miller, K. Quandt, B. Rehberg, R. Yount and R. Tyachsen will be in the booths exhibiting Par Ex IBDU fertilizers.
Write 816 on Reader Service Card

Excel Industries, Inc., P.O. Box 727, Hesston, KS 67062
Island 914

Excel Hustler mowers will be exhibited.
Write 817 on Reader Service Card

Exide Corp., 101 Gibraltar Rd., Horscham, PA 19044
Booth 342, 343

Exide golf car batteries will be exhibited.
Write 819 on Reader Service Card

FMC Corp., 5601 E. Highland Dr., Jonesboro, AK 72401

Island 240

Jeff Truttman, Joe Mapes, Jack Custer and Ray Storti will be exhibiting four sprayers from FMC's line of Bean turn maintenance equipment. 100, 200 and 300 gallon tanks will be shown with various accessories such as hose reels and booms.
Write 720 on Reader Service Card

Fayette, Division, Dayton-Walther Corp., P.O. Box 339, Fayette, OH 43521

Booths 824, 825
Norman W. Schell will be in the booth exhibiting utility trailers.
Write 821 on Reader Service Card

Filter Supply Co.
Booth 336
Write 820 on Reader Service Card

Foley Mfg. Co., 3300 5th St. NE, Minneapolis, MN 55418
Booths 922, 923

Bill Demsky, Joe Brennan and Ian Fear will be in the booths exhibiting Foley's lawnmower grinder, both manual and automatic, chain saw grinder and utility grinders.
Write 721 on Reader Service Card

Ford Motor Co., Tractor Operations, 2500 E. Maple Rd., Troy, MI 48084
Booth 633

Ed Murphy and Frank Keenan will be in the booth exhibiting Ford tractors and equipment for grounds maintenance.
Write 785 on Reader Service Card

Fore-Par, Inc., 16571 Gemini Lane, Huntington Beach, CA 92647
Booths 1201, 1202

Keith A. Neal, President, Sally Wallace, Vice President, Mike Neal, Sales Manager and Craig Neal, Plant Manager will be in the booth exhibiting Fore-Par's accessories, including: practice green markers, tee markers, greens flags, direction and rules signs, and modular poles.
Write 722 on Reader Service Card

Fox Valley Marking Systems, Inc., 172 S. Northwest Highway, Cary, IL 60013
Booth 334

Elaine Pecka and Ann Kramer will be in the booth exhibiting their marking devices which include the easy marker which uses aerosol cans, and the easy striper for larger jobs.
Write 723 on Reader Service Card

Fuerst Brothers, Inc., Rhinebeck, NY 12572
Booth 670

Lee Lutz, Executive Vice President, and Jim Lutz, Sales Engineer, will be in the booth exhibiting the Hercules 12-, 16-, and 24-foot Harrow.
A free 4-foot drawbar, a \$47.00 value, will be given with the purchase of any of the above. The 4-foot drawbar will be offered for only \$20.00 with the purchase of an 8-foot harrow.
Write 724 on Reader Service Card

Continues on page 26

You'll find one on every National...

The little decal that means big savings!

It does more than tell you the belt sizes used on National mowers. It signifies our commitment to build a mower that can be maintained easily and inexpensively. It tells you that these are standard, off-the-shelf items available from your local supplier, not a special, high-priced belt designed by a manufacturer to be available only from him. **It means less down time!**

But standard belts are only part of National's value. There's the normal maintenance factor which is reduced by National's obviously easy accessibility. Field reports tell us that **National mowers are one-third to one-half the cost** of maintaining competitive models.

Then there's greater fuel economy. National's simple, functional design means as much as 44% to 62% less fuel consumption than competitive, power-robbing, hydrostatic type rotary machines.

Best of all, **National's initial cost is less** than that of other mowers sold to do the same job.

In these days when purchase price, fuel economy, continuous performance and longevity are most important, look to a National to do more work, with easier



Model 84" Triplex

and faster maintenance, over a longer period.

Write to us for the name of your nearest dealer. Then call for a demonstration.



Model 68" Triplex

There's more to make you forget about down time



We still cut our own gears, forward, reverse and differential, out of solid steel blanks. These durable gears, carburized, hardened and tempered, are heavier than those used in many automobiles today.

Bed knives have upturned lips for extra wear and longer service. It prevents scalping and will not allow small objects to enter and damage reels.



NATIONAL MOWER COMPANY

662 Raymond Avenue
St. Paul, Minnesota 55114
612/646-4079



Giant-Vac Mfg., Machine Shop Rd., Windham, CT 06266
Island 201 and 206
Write 822 on Reader Service Card

Glenmac, Inc., Box 1398, Jamestown, ND 58401
Booth 784
Mac McPherson, Mike McPherson and Betty McPherson will be in the booth exhibiting the Harley Landscape Power Rake.
Write 725 on Reader Service Card

Golf Course Builders of America
Booth 862
Write 823 on Reader Service Card

Golf Course Management Magazine
North Center Lounge
Write 824 on Reader Service Card

GCSAA Poster Display
Booth 1033

P.B.I./Gordon Corp., 300 S. 3rd St., Kansas City, KS 66118
Booths 240, 241

George Walter, Jim Truslow, Ted Lewton, Paul Jones and Al Lanoie will be in the booths exhibiting Trimec, Trimec 352, Betamec-4, Dymec 50, Mecomec 2.5, Amine 2.4-D, Vegemec, Formec 80, Carbamec, Dqua-Zorb, Exhalt 800, Exhalt 4-10, and Adjumec.
Write 726 on Reader Service Card

Government Buyer Magazine
Booth 352
Write 824 on Reader Service Card

Government Product News
Booths 1024, 1025
Write 825 on Reader Service Card

The Grass Hopper Co., P.O. Box 810, Moundridge, KS 67107
Booths 329, 330

Ken Guyer and Stan Guyer will be in the booths exhibiting the Grasshopper Model 1820 with vacuum grass catcher.
Write 826 on Reader Service Card

Gravelly, One Gravelly Lane, Clemmons, NC 27012
Island 805

James Medlin, Glenn Childs, Richard Murray and James Fischer will be exhibiting Gravelly's 29 hp grounds maintenance tractor, 19.9 hp and 17 hp tractor, and 12 hp two-wheel tractor.
Write 727 on Reader Service Card

Griswold Controls, Box 19612, Irvine, CA 92713
Booths 236, 238
Write 827 on Reader Service Card

Grounds Maintenance

Booth 662
Write 828 on Reader Service Card

HMC/The Green Machine, 20710 S. Alameda, Long Beach, CA 90810
Booths 451, 452, 453

Frank Gilchrist, John Johnston, Joe Forlizzi and Randy Evenson will be in the booths exhibiting HMC gas and electric nylon string trimmers and brush cutters, blowers and mister/dusters.
Write 829 on Reader Service Card

Hach Chemical Co., P.O. Box 907, Ames, IA 50010
Booth 161

The Hach soil testing kits will be exhibited
Write 830 on Reader Service Card

Hahn Inc., 1625 N. Garvin, Evansville, IN 47711
Island 308

Dan Fuquay, Del Doubler, and Bob Ward will be in the Hahn booth exhibiting the Han Turf Sprayer.
Write 728 on Reader Service Card.

Heckendorn Mfg. Co., Box 88, Decar Point, KS 66843
Booths 848, 863

Jerry Sutherland, Terry Alexander and Jim Taylor will be in the booths exhibiting Heckendorn's industrial grounds maintenance equipment which includes 36-, 50-, 62-, 72-, and 88-inch rotary riding mowers and The Heckendorn Stump Remover.
Write 729 on Reader Service Card

Hoffco, Inc., 358 Northwest F St., Richmond, IN 47374
Booth 1147, 1148
Write 831 on Reader Service Card

Homelite Division, Textron, Box 7047, Carowinds Industrial Park, Charlotte, NC 28217
Island 1143, 1144, 1149, 1150

Ralph Evans, Norm Miller, Mark Bubert and T. Pigg will be in the booths exhibiting pumps and generators, chainsaws, string trimmers and general accessories.

Howard Rotavator Co., Inc., Box 100, 343 S. Division St., Harvard, IL 60033
Booth 315

Clyde Morter will be in the booth exhibiting the Model HA Turf-Quaker, and Model HA Rotavator.
Write 730 on Reader Service Card

H.D. Hudson Mfg. Co., 500 North Michigan Ave., Chicago, IL 60611
Booth 181

R. J. (Ray) Mueller will be in the booth exhibiting the Hudson sprayers and dusters, including the Matador Power Sprayer, Suburban Power Sprayer, Industro Sprayer, and the Bak-Pak Sprayer.
Write 731 on Reader Service Card

Hydro-Rain Inc.
Booth 1203
Write 833 on Reader Service Card

Inject-O-Meter Mfg. Co. Inc., 820 Thorton St., Clovis, NM 88101
Booth 347

George Ratledge will be in the booth exhibiting the Turf N'jector, a metering pump for injecting fertilizers and chemicals into springkling systems.
Write 732 on Reader Service Card

International Harvester, 1301 McCormick Rd., Kansas City, KS 66115
Island 932
Write 834 on Reader Service Card

International Seeds, Inc., 820 First St., Halsey, OR 97348
Island 276

Harry Stalford, Product Manager, Dr. Jerry Pepin, Resident Research Director and vice president, Jim Carnes, President Bob Baker, Sales representative, Douglass W. King, and Jack Hertwig, Turf Consultant, Germain's, will be in the booths exhibiting turf plots of various species of grasses: turf type ryegrasses, Kentucky blue grasses, fine fescues, turf type tall fescue-"hounddog."

In addition, International Seeds will be passing out the morning newspaper to the major conference hotels.
Write 733 on Reader Service Card

International Spike, Inc., 817 E. 3rd St., Lexington, KY 40505
Booth 1210

Dick Grand and Harlan Moreland will be in the booth exhibiting Jobe's Tree & Shrub Spikes.
Write 786 on Reader Service Card

International T.B.A., Inc.
Booth 337
Write 835 on Reader Service Card

Interstol
Booth 1162
Write 836 on Reader Service Card

Irri-Trol Mfg., Inc., 13745 Saticoy St., Van Nuys, CA 91402
Booth 669
Write 837 on Reader Service Card

Jacobsen Division of Textron, Inc., 1721 Packard Ave., Racine, WI 53403
Island 739

Ned Brinkman, John Oldenburg, James Joplin, Harry Larson, Randy Smith, Gary Allenbrand, Michael McCavitt, and David Mathers will be in the booth exhibiting Jacobsen's complete line of turf care equipment. This includes Gang Mowers, Rotary Mowers, Greens Equipment, Reel Mowers, Sweepers, Seeders and Aerators, and Specialty Equipment.
Write 735 on Reader Service Card

K.D. Mfg. Co., P. O. Box 4547, Waco, TX 76705
Booths 338, 339, 340

Continues on page 27



Denver Brown, Wayne Fritz, Wallace Ray and Karen Smith will be in the booths exhibiting K-D Model 686 D.T. Towable rough terrain fork lift truck and a K-D "Kurb Dresser" (TM). This attachment mounted on any tractor with a category (1) one three point hitch can trim curbs and asphalt drives at speeds up to 20 miles per hour.
Write 736 on Reader Service Card

Kaaz America Corp.,
Booth 358, 359, 360
Write 838 on Reader Service Card

Kato Equipment Co., 13549 E. Whittier Blvd., Whittier, CA 90605
Booth 356, 357
Write 839 on Reader Service Card

Kawasaki Motors Corp., U.S.A., 650 Valley Park Dr., Shakopee, MN 55379
Booths 850, 851

Wilbur Whitmore, M. Johnson, or M. Littell will be in the booths exhibiting Kawasaki engines.
Write 737 on Reader Service Card

F.D. Kees Mfg. Co., 700 Park Ave., Beatrice, NE 68310
Booths 1204, 1205

Robert Martin, Mike Schaefer, Walt Holiman and Roger Smith will be in the booths exhibiting the complete line of

Lawn, Turf and Garden Equipment. The line includes the 21-, 22-, 36-, and 48-inch mowers, the Powerrake, Powerslice, the Kees-Kaster, and the Kees-Krawler.
Write 738 on Reader Service Card

Kenyon Manufacturing, Inc., 1145 W. Barkley Ave., Orange, CA 92668
Booth 946

Gary E. Sims and Susan M. Sims will be in the booth exhibiting Kenyon's line of landscape rakes and 5'6" wide squeegees for dew removal from greens.

All products will have a special show price with UPS charges paid for the professional user.
Write 739 on Reader Service Card

King Brothers Industries, 27114 Henry Mayo Dr., Valencia, CA 91355
Booth 656

Chuck and Bob King and R.C. Einfeldt will be in the booth exhibiting specialty irrigation products.
Write 840 on Reader Service Card

"Klopping-Hardie" Lawn Renovators
Booth 355
Write 841 on Reader Service Card

Kohler Co., Kohler, WI 53044
Island 1102

Art Kroos, Bob Leffel, John Kohl, Frank McNamara, Wayne Bee, Ben Johnson and Paul Scholten will be on the island ex-

hibiting Kohler's new line of liquid-cooled, 20 to 50-hp diesel engines and the existing line of air-cooled gasoline engines in the four to 23-hp range.
Write 842 on Reader Service Card

Kut Kwick Corp., P.O. Box 984, Brunswick, GA 31521
Booth 637

Bob Torras, Gary Sumler, Harry Hostetter, Ray Russel, Freeman McDonough, George Vasu, Don Poe, Robert Dempsey, Larry Dugger and Bob North will be in the booth exhibiting heavy-duty commercial rotary mowing equipment.
Write 843 on Reader Service Card

Lakeshore Equipment and Supply Co., 300 S. Abbe Rd., Elyria, OH 44035
Island 1125

Herb Cole, Gene Probasco, Phil Gardner, Barb Craycraft and Art Wick will be on the island exhibiting Lesco fertilizers, chemicals and supplies.
Write 844 on Reader Service Card

Lebanon Chemical Corp., P.O. Box 647, Danville, IL 61832
Booth 170, 171

James L. Camp, Art Mondak, Don Pfeleiderer, Frank Ross and Randy Rogers will be in the booths exhibiting Country Club fertilizers.

Write 845 on Reader Service Card

Continues on page 51

Build and maintain LUSH greens with BENT SPECIAL

BENT SPECIAL is a total nutrient feed in soluble form that provides:

- ★ N-P-K plus trace elements.
- ★ Relieves stress or conditions deficiency in turf.
- ★ Compatibility with your present spray program.
- ★ Economy.
- ★ Ease of application.
- ★ Safe-non-burning.

Plant Marvel Nutriculture formula BENT SPECIAL is formulated for Bent Grasses and will replace what the grass removes and utilizes to the root zone area. The turf will retain its color longer because of a well developed root system.

Want to know more? We'll send you our Free, fact-filled 36-page Golf Superintendent Nutriculture brochure. Clip this coupon and send to:



FREE! WRITE TODAY!



Send for your FREE, fact-filled 36-page Golf Superintendent Nutriculture brochure.

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 CLUB _____
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 STATE _____ ZIP _____

PLANT MARVEL LABORATORIES

624 West 119th Street
 Chicago, IL 60628 Dept. GCM-2

PLANT MARVEL LABORATORIES, INC.
 624 W. 119th Street Chicago, Illinois 60628

Write 132 on reader service card

"See us at the GCSAA Convention, booth no. 715"



**Long lasting
crabgrass control
just takes one application.**

Whether for bluegrass, fescue, bentgrass, or Bermudagrass, it's a fact that more turf care professionals demand Betasan[®] herbicide over any other brand.

The simple reason. Betasan delivers the maximum amount of crabgrass control with a minimum amount of effort.

Just one application at labelled rates stops crabgrass before it starts. Stops it without hurting established turf. And stops it in most of the U.S. all season long.

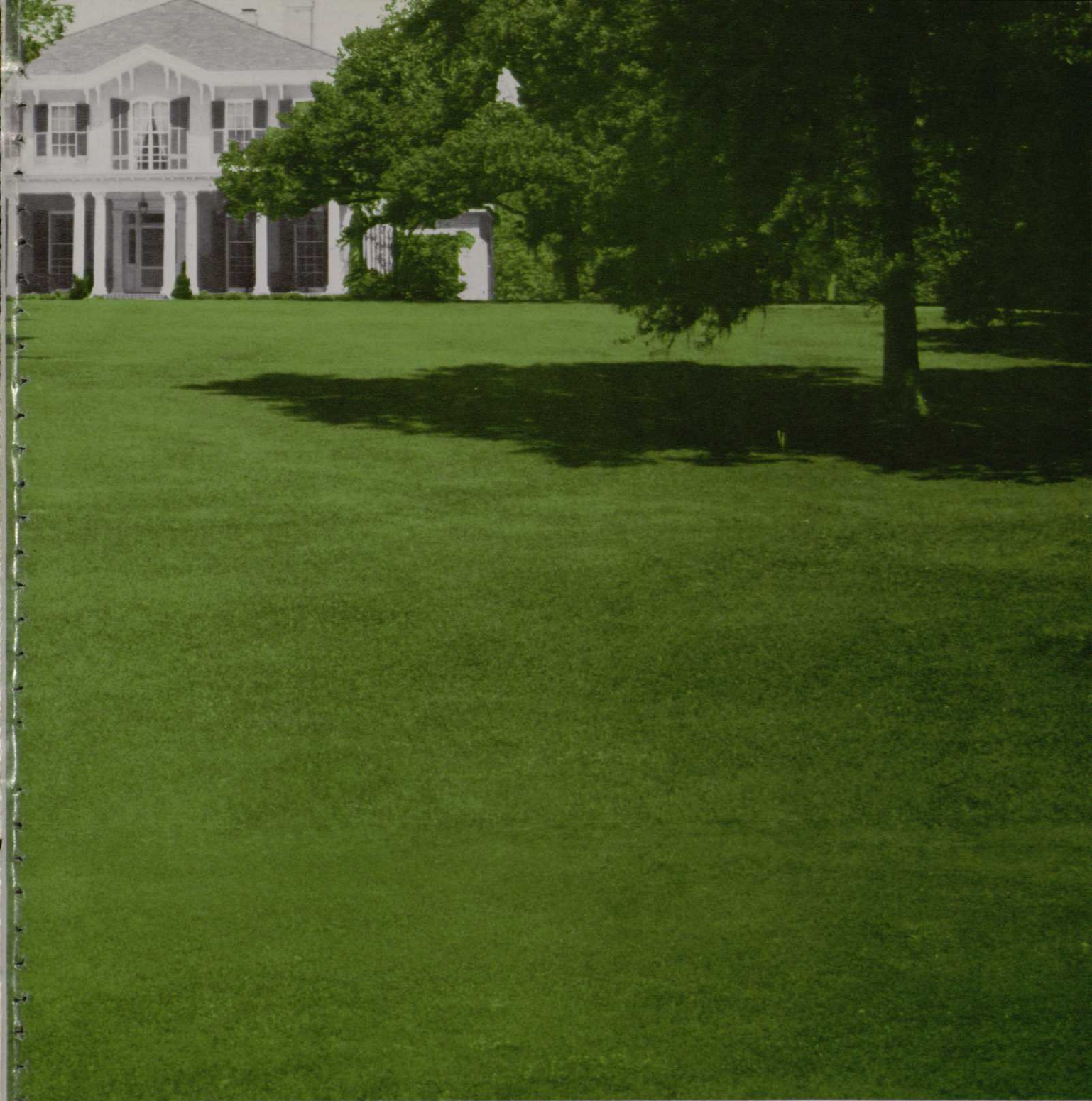
That's the furthest man has come in fighting crabgrass. But you don't have to go far for your own supply. Just to the distributors listed here.

They've all put Betasan into their own herbicide products. Because they want to bring turf care professionals the ultimate in protection against crabgrass.

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Firm	Brand Name	Sales Area	Firm	Brand Name	Sales Area
Occidental Chemical Co. Lathrop, California	Best 4-E and 12.5-G	West Coast Southwest	Mallinckrodt, Inc. St. Louis, Missouri	Pre-San 4-E, 12.5-G and 7-G	National
PBI Gordon Corp. Kansas City, Kansas	Betamec-4	National	Rockland Chemical Co. West Caldwell, New Jersey	Rockland 4-E, 12.5-G and 7-G	Northeast
Lakeshore Equipment and Supply Co., Inc. Elyria, Ohio	Lescosan 4-E, 12.5-G and 7-G	National	Agway, Inc.	Betasan 7-G	Northeast
Pratt-Gabriel Div. Miller Chemical and Fertilizer Co. Robbinsville, New Jersey	Pratt 4-E, 12.5-G	Northeast	Pro-Lawn Products, Inc.	Betasan 7-G	Northeast

Betasan[®]
No. 1 against crabgrass

The fairway is the picture, the green is the focal point. Trees form the frame.

Carefully chosen trees can center views of each hole

By J.A. French and R.P. Korbobo

Many times the frame around a picture is as important as the picture itself. It is there to help center the viewer's attention on the painting or photograph. If it were not there, the viewer's attention might wander all over the wall space around that unframed picture.

On a golf course, the landscape architect works to make each hole a special entity unto itself. The entire hole is a "painting" and the green is the "focal point". Any painting, flower arrangement, well-designed garden, etc. has a focal point - so - in essence the fairway is the picture, the green is the focal point, and the trees form the frame.

Generally speaking, there are four areas or locations where we use trees to frame vistas, pictures, views, etc. on a golf course. They are (1) Up-front (meaning the area in the immediate vicinity of the tee), (2) at the Mid-fairway point (approximately half the distance to the green), (3) the immediate areas just before and to the sides of the greens, and (4) any dramatic views, either on or off the golf course. (See illustration 1).

Up-front

Under ideal conditions on both public courses and private ones, all 18 holes should be framed. This does not necessarily mean it will slow the game of golf. If done correctly, it adds nothing but improvement to the appearance of the hole.

The reason for this thinking is because the trees, if properly placed would practically never be in the way of a shot off the tee.

The trees that will frame the picture of the fairway from the tee can sometimes be placed in a planting with two trees of the same species out in front of the tee, one farther



Eighteenth green at Echo Lake Country Club in Westfield, New Jersey.

from the tee than the other. (See I,1) Or, you can do it in an asymmetrical arrangement whereby either you have a tall tree on one side and a group of smaller trees on the other (See 2A), or you can have a large, spectacular tree on one side.

When framing the view of the hole from the tee, you must be careful to use only those trees having the proper structure. The ideal type would be that of the American elm. We use this as an example even though the American elm apparently is destined to be wiped off the face of the land. However, most people know what the American elm is shaped like so we use it as the classic example of a vase-shaped, high-

arching branched tree. This would be the ideal form of a tree to be used up near the tee. Since the ball coming off the golfer's clubhead usually starts out at a low trajectory on par four and par five holes and the high arching branches of this form of tree would never interfere with a good golf shot.

On the other hand, you must be more careful with tree selection and placement on a par-three hole, especially very short par-threes, where the trajectory of the ball will rise quickly in a very short distance off the tee. Appropriate trees for this area would include such high arching branched trees as honeylocust, Chinese scholar tree,