

- Cessna Aircraft Co., Wichita, Kans.
The Champion Co.,
400 Harrison St.,
Springfield, Ohio 45501
Champion Sprayer Co., 6509
Heintz Ave., Detroit, Mich.
Chandlerin Seed Co., Chimney Rock
Rd., Bound Brook, N.J.
R. E. Chapin Mfg. Works, Inc., 29
Liberty St., Batavia, N.Y. 14020
Chapman Chemical Co., 416 Brooks
Rd., Memphis, Tenn. 38109
Charleston Rubber Co., 321 Stark
Industrial Pk., Charleston, S.C.
Chemagro Corp.,
P.O. Box 4913, Hawthorn Rd.,
Kansas City, Mo. 64120
Chemley Products Co., 5744
N. Western Ave., Chicago, Ill.
Chevron Chemical Co., Ortho Div.,
200 Bush St., San Francisco, Calif.
Chipman Div., Rhodia Inc., Box 2009,
New Brunswick, N.J. 08903
Clark Mfg. Co.,
Rt. 1, Independence,
Atherton, Mo. 64050
W. A. Cleary Corp., Box 749,
New Brunswick, N.J. 08903
Cloro-Spray Corp., 2215-25 N.
American St., Phila., Pa.
The Cole Nursery Co., R.D. 1, Circle-
ville, O. 43113
Collins Associates, Inc., 3318 Glen-
more Ave., Cincinnati, O. 45211
Colloidal Products Corp., P.O. Box
667, Sausalito, Calif. 94965
Columbia Nitrogen Corp., P.O.
Box 1483, Augusta, Ga.
Commercial Solvents Corp., 260
Madison Ave., New York, N.Y.
Cortree Sales, P.O. Box 129,
Columbus, Wis. 53925
Conwed Corp., 332 Minnesota St.,
St. Paul, Minn. 55101
L. M. Cox Manufacturing, Inc., P.O.
Box 476, Santa Ana, Calif. 92702
Cranco Co., 7 Clermont
Ave., Trenton, N.J.
C & R Products, 5405 N.E. 91 Ave.,
Portland, Ore. 97220
N. 21st St., Lincoln, Nebr. 68501
Cushman Motors, 900
N. 21st St., Lincoln, Nebr.
Custom Spray Equipment Corp.
R.D. #2, Binghamton, N.Y.
The Cyclone Seeder Co., Inc., Box
68, Urbana, Ind. 46990
- D**
- Dairymens Fertilizer Co-op, Inc.,
P.O. Box 998, Artesia, Calif.
Ross Daniels, Inc., 1720 Fuller Rd.,
West Des Moines, Iowa 50265
Danuser Machine Works, 1500
Industrial Blvd., Claremore, Okla.
Davey Tree Expert Co.
Kent, Ohio 44240
Davison Chemical Div., W. R. Grace
& Co., 101 N. Charles St.,
Baltimore, Md.
Daymon Manufacturing Corp., 7450
Weller Rd., Gregory, Mich. 48137
Deere & Co., John Deere Equipment,
John Deere Administrative Center,
John Deere Rd., Moline, Ill. 61265
DEFCO, P.O. Box 1209,
Decatur, Ala. 35601
Delavan Manufacturing Co., 811-4th
St., W. Des Moines, Iowa 50265
DESA Industries, 25000 Western
Ave., Park Forest, Ill. 60466
DeVilbiss Co., 300
Phillips Ave., Toledo, Ohio
Diamond Shamrock Co., 300 Union
Commerce Bldg., Cleveland, Ohio
44115
Dico Side-O-Matic,
P.O. Box 429, York, Pa. 17405
- The J. J. Dill Co., P.O. Box 788,
Kalamazoo, Mich. 49005
Dobbins Div., Chamberlain Mfg.
Corp., Box 610, Monroe, Ga. 30655
The C. B. Dolge Co.,
Ferry Lane, Westport, Conn.
The Dow Chemical Co., P.O. Box
512, Midland, Mich. 48640
E. I. duPont de Nemours & Co., Inc.,
Industrial & Biochemical Div., 1007
Market St., Wilmington, Del. 19898
- E**
- Eagle-Picher Industries, Inc.,
American Bldg., Cincinnati, O.
45201
Eastman Chemical Products, Inc.,
P.O. Box 431, Kingsport, Tenn.
37622
Elanco Products Co., 740 S. Alabama
St., P.O. Box 1968, Indianapolis,
Ind. 46205
Emery Industries, Inc., Organic
Chemicals Div., 8733 S. Dice Rd.,
Santa Fe Springs, Calif.
Engelhard Minerals & Chemicals,
Essex Turnpike, Menlo Park,
Edison, N.J. 08817
Engineering Products Co., 1005-HF
Anoka St., Waukesha, Wis. 53186
Erickson Corp., 211 Anthony
Blvd., Minneapolis, Minn. 55418
Excel Industries, Inc.,
Box 385, Hesston, Kan. 67602
- F**
- Faesy & Besthoff, Inc.,
143 River Rd., Edgewater, N.J.
Fairmont Hydraulics, Div. of Fair-
mont Railway Motors, Inc., 415 N.
Main St., Fairmont, Minn. 56031
The Fanno Saw Works,
P.O. Box 628, Chico, Calif. 95926
Farmrite Sprayer, Inc., 644 E. Lake
St., Lake Mills, Wis. 53551
Farris Chemical Co., 7213 Kingston
Pike, Knoxville, Tenn.
Febco, Inc., 9121 Glenoaks Blvd.,
Sun Valley, Calif. 91352
Fence Painter Corp., 4335 S. Tripp
Ave., Chicago, Ill. 60632
Ferry-Morse Seed Co., P.O. Box 100,
Mountain View, Calif. 94040
Fertilla Co., P.O. Box 998,
Cerritos, Calif. 90701
Finland Turf Cut Div., Finneyfrock's,
1805 Ga Ave., Olney, Md. 20832
Finn Equipment Co., 2525 Duck
Creek Rd., Cincinnati, Ohio
Fitchburg Engineering Corp.,
Chipper Div., Cleghorn St.,
Fitchburg, Mass.
Floridin Co., 3 Penn Center,
Pittsburgh, Pa. 15235
Foley Mfg. Co., 3300 Fifth St., N.E.,
Minneapolis, Minn. 55418
Ford Motor Co., Tractor & Imple-
ment Div., 2500 E. Maple,
Birmingham, Mich. 48012
Friend Manufacturing Corp., Pros-
pect St., Gasport, N.Y. 14067
- G**
- Gabriel Chemicals, Ltd., 60 E. 42 St.,
New York, N.Y. 10017
Gale Products, Monmouth Blvd.,
Galesburg, Ill. 61401
Gandy Co., 10 Gandrud Rd.,
Owatonna, Minn. 55060
Garber Seeders, Inc.
St. Paris, Ohio
Geigy Agricultural Chemicals Div.
of Geigy Chemicals Corp., Saw
Mill River Rd., Ardsley, N.Y.
General Aniline & Film Corp.,
140 W. 51 St., New York, N.Y.
Glendale Optical Co., Inc.,
130 Crossways Park Dr.,
Woodbury, L.I., N.Y. 11797
- Goodall Manufacturing Corp.,
1205 E. Sanborn St., Winona, Minn.
Gotcher Engineering & Mfg. Co.,
P.O. Box 721, Clarksdale, Miss.
W. R. Grace & Co., Agri. Chem.
Group, 7 Hanover Sq.,
New York, N. Y. 10005
John H. Graham & Co., Inc.,
105 Duane St., New York, N.Y.
Gravelly Corp., 1 Gravely Lane,
Clemmons, N.C. 27012
Great Lakes Chemical Corp., P.O.
Box 2200, West Lafayette, Ind.
47906
Green Lawn Laboratories, Inc.,
4844 Main St., Skokie, Ill.
The Gregg Co.,
P.O. Box 149, Riverton, N.J.
Growers Chemical Corp.,
Milan, Ohio 44846
Grumman Aircraft Corp., S. Oyster
Bay Rd., Bethpage, L.I., N.Y.
Gulf Oil Co.,
Gulf Bldg., Pittsburgh, Pa.
Gyrodyne Co. of America,
Flowerfield Rd.,
St. James, L.I., N.Y.
- H**
- Hadfield Sod Roller Co., 4643 Sher-
wood, Oxford, Mich. 48051
Halline Utility Equipment Co.,
5525 S.E. 28th St., Portland, Oreg.
Clifford B. Hannay & Son, Inc.,
422 Maple St., Westerlo, N.Y.
12193
Hanson Equipment Co., 301 Charles
St., S. Beloit, Ill. 61080
Harder Arborist Supply Co., Box
111, Hempstead, N.Y. 11550
Hayes Spray Gun Co., 98 N. San
Gabriel Blvd., Pasadena, Calif.
Heckendorn Mfg. Co., Inc.,
Cedar Point, Kans.
W. J. Heinrich Products, 21013 E.
Dinuba, Reedley, Calif. 93654
Henderson Mfg. Co.,
P.O. Box 355, Fisher, Ill.
Hercules Incorporated, 910 Market
St., Wilmington, Del. 19801
H & G Tool Co.,
22474 Sherwood, Warren, Mich.
Hiab Hydraulics, Inc., 3410 Lancaster
Pike, Wilmington, Del. 19805
Highway Equipment Co., 616 D.
Ave., N.W., Cedar Rapids, Ia.
52405
Hiller Aircraft Corp., 1350 Willow
Rd., Palo Alto, Calif.
Hoffco, Inc., 25 Washington Ave.,
Richmond, Ind., 47374
Homelite Div., Textron, Inc.,
Riverdale Ave., Port Chester, N.Y.
10573
Hooker Chemical Corp., 65 Iroquois
St., Niagara Falls, N.Y. 14302
Houston Chemical Corp.,
200 Madison Ave., New York, N.Y.
Howard Rotavator Co., Inc.,
P.O. Box 100, Harvard, Ill. 60033
H. D. Hudson Mfg. Co., 154 E. Erie
St., Chicago, Ill. 60611
Hub States Chemical and Equipment,
2002 No. Illinois St.,
Indianapolis, Ind. 46202
Hughes-Keenan Skyworker, Div. of
Transairco, Inc., P.O. Box B,
Delaware, Ohio 43015
Humble Oil & Refining Co.,
Houston, Texas
Hunt-Pierce Corp.,
230 Old Gate Rd., Milford, Conn.
Hydraulic Products Co., Inc., 501
East 42nd St., Lubbock, Tex. 79404
Hydroponic Chemical Co., Inc.,
P.O. Box 97-C, Copley, Ohio
Hypco, Inc., 375 Fifth Ave., N.W.,
New Brighton, St. Paul, Minn.
55112

I
Ideal Crane Div., Bert Parkhurst & Co., 15051 E. Admiral Pl., Tulsa, Okla. 74116
Imco, Inc., P.O. Box 547, Afton, Wyo.
Inject-O-Meter Co., Inc., Box 1044, Clovis, N. M. 88101
International Harvester Co., 401 N. Michigan Ave., Chicago, Ill. 60611
International Minerals & Chem. Corp., Old Orchard Rd., Skokie, Ill.
International Paper Co., Special Products Dept., 220 E. 42nd St., New York, N.Y.
Irrigation Accessories Co., P.O. Box 11214, Portland, Oreg. 97211

J
Jacklin Seed Co., Inc., Dishman, Wash. 99213
Jacobsen Mfg. Co., 1721 Packard Ave., Racine, Wis. 53403
James-Way Equipment Co., P.O. Box 1349, Wichita Falls, Tex. 76307
Jari Corp., 2940 Pillsbury Ave., Minneapolis, Minn.
Johns-Manville Corp., 22 E. 40th St., New York, N.Y. 10016

K
Kalium Chemicals, Ltd., 200 Park Ave., New York, N.Y.
K-D Mfg. Co., P.O. Box 4547, Waco, Tex. 76705
F. D. Kees Mfg. Co., P.O. Box 8, Beatrice, Nebr. 68310
Kel Instruments Co., Inc., P.O. Box 466, New Brunswick, N.J.
Kem Mfg. Co., Tucker, Ga.
Kemp Mfg. Co., 1027 E. 20th St., Erie, Pa.
Koyker Manufacturing Co., Box 898, Sioux Falls, S.D. 57101
Karl Kummerling, Inc., 4536 Lincoln Way, East, Massillon, O. 44646
Knowles Tree Service, 1081 Burkhardt Ave., San Leandro, Calif. 94579
Kromer Co., Rt. 2, Mound, Minn. 55364

L
Lakeshore Equipment & Supply Co., 10237 Berea Rd., Cleveland, O. 44102
Lakes Supply Co., Inc., P.O. Box 101, Dundee, Ill. 60118
LaMotte Chemical Products Co., Chestertown, Md.
Larson Machine, Inc., 1017 N. Santa Fe St., Princeville, Ill. 61559
The Larutan Corp., 1440 S. Allec St., Anaheim, Calif. 92805
Lely Corp., 503 S. Lodge St., Wilson, N. Car. 27893
Limb-Lopper Co., Inc., 11845 E. Burke St., Santa Fe Springs, Calif. 90670
O. E. Linck Div., Walco-Linck Corp., 1234 State Highway 46, Clifton, N.J.
Lindig Manufacturing, Inc., 1875 W. County Rd. "C," St. Paul, Minn. 55113
Loamite Corp., One Bush St., San Francisco, Calif.
Lobel Chemical Corp., 100 Church St., New York, N.Y. 10007
Locke Manufacturing Companies Inc., 1085 Connecticut Ave., Bridgeport, Conn.

M
Mallinckrodt Chemical Works, 3600 N. Second St., St. Louis, Mo. 63160
Maple Leaf Mills, Ltd., Oakwood, Ontario, Canada

Marine Bio-Chemists, Inc., P.O. Box 91900, Milwaukee, Wis. 53202
Marlow Pumps Div., ITT Bell & Gossett, Inc., P.O. Box 200, Midland Park, N.J. 07432
Martin Tire & Supply Inc., 154 N. Emporia, Wichita, Kans. 67202
Martindale Electric Co., 1375 Hird Ave., Cleveland, O. 44107
Massey-Ferguson, Inc., 1901 Bell Ave., Des Moines, Iowa
Master Sprayers, Inc., 1511 West 2nd St., Pomona, Calif. 91766
McCabe-Powers Body Co., 8900 Frost Ave., St. Louis, Mo. 63134
McCulloch Corp., 6101 W. Century Blvd., Los Angeles, Calif.
McGovern Sod Farms, Inc., Melville, L.I., N.Y.
McLaughlin Gormley King Co., 1715 5th St., S.E., Minneapolis, Minn.
Meadow Bros. Nursery Supplies, P.O. Box 277B, Altadena, Calif. 91001
The Ben Meadows Co., 533 Amsterdam Ave., Atlanta, Ga.
Melnor Industries, Inc., 1 Carol Place, Moonachie, N.J.
Melroe Mfg. Co., Gwinner, N. Dak.
Merck Chemical Div., Merck & Co., Rahway, N.J. 07065
Merion Blue Grass Association, 101 Park Ave., New York, N.Y. 10017
Metasol Products, Merck & Co., 200 Wagaraw Rd., Hawthorne, N.J.
Michigan Chemical Corp., 351 E. Ohio St., Chicago, Ill. 60611
Midland Products Co., 787 Susquehanna Ave., Franklin Lakes, N.J. 07417
Miller Chemical & Fertilizer Corp., 3006 W. Cold Spring Lane, Baltimore, Md. 21215
Miller-Robinson Co., 7007 Avalon Blvd., Los Angeles, Calif.
Milwaukee Sewerage Commission, P.O. Box 2079, Milwaukee, Wis. 53201
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh, Pa. 15208
Minnesota Wanner Co., 5145 Eden Ave. S., Minneapolis, Minn. 55436
MinnTurf Equipment Designs Corp., Suite 204, 7100 France Ave. South, Edina, Minn. 55435
Mitts & Merrill, Inc., 109 McCoskry St., Saginaw, Mich. 48601
Mobile Aerial Towers, Inc., 2314 Bowser Ave., Ft. Wayne, Ind. 46803
Mobil Chemical Co., Industrial Chemicals Div., 401 East Main St., Richmond, Va. 23208
Mock Seed Co., 13th & Smallman, Pittsburgh, Pa.
Monarch Mfg. Works, Inc., 2501 E. Ontario St., Philadelphia, Pa. 19134
Monsanto Co., 800 N. Lindbergh Bldg., St. Louis, Mo. 63166
Montrose Chemical Co., 104-12 Lister Ave., Newark, N.J.
Samuel Moore & Co., Mantua, Ohio 44255
Motorola Communications & Elec., Inc., 1301 Algonquin Rd., Schaumburg, Ill. 60172
Mott Corp., 500 Shawmut Ave., LaGrange, Ill. 60525
MTD Products, Inc., 5389 W. 130th St., Cleveland, O. 44111
F. E. Myers & Bro. Co., 400 Orange St., Ashland, Ohio 44805

N
National Chemsearch Corp., P.O. Box 217, Irving, Tex. 75060

National Crane Corp., Waverly, Nebr. 68462
National Weed Services, Inc., P.O. Box 2501, Orlando, Fla.
Nalco Chemical Co., 180 N. Michigan Ave., Chicago, Ill.
Naugatuck Chemical, Div. U.S. Rubber, Naugatuck, Conn.
New World Products Co., Inc., 11126 Rush St., El Monte, Calif. 91733
Niagara Chemical Div., FMC Corp., 100 Niagara St., Middleport, N.Y. 14105
Nor-AM Agric. Products, Inc., 20 N. Wacker Dr., Chicago, Ill. 60606
Northrup, King & Co., 1500 Jackson St., N.E., Minneapolis, Minn. 55413
Norton Construction Products Div., Clipper Mfg. Co., P.O. Box 9604, Kansas City, Mo. 641134
John Nunes Mechanical Harvesting Co., 2518 Loquot Ave., Patterson, Calif. 95363
Nunes Turfgrass Nurseries, Inc., 2006 Loquot Ave., Patterson, Calif.
Nursery Specialty Products Co., 410 Greenwich Ave., Greenwich, Conn. 06830

O
Oakes Mfg. Co., FMC Corp., 516 Dearborn St., Tipton, Ind.
Oberdorfer Pump Div., Thompson Rd., Syracuse, N.Y.
Oil-Dri Corp. of America, 520 N. Michigan Ave., Chicago, Ill.
Olin Mathieson Chemical Corp., Chemicals Div., Baltimore, Md.
Oliver Corp., 2 N. Riverside Plaza Chicago, Ill. 60606
Omark Industries, Inc., 9701 S.E. McLaughlin Blvd., Portland, Oreg.
Onan Div., Studebaker Corp., 1400 73rd Ave. N.E., Minneapolis, Minn. 55432
Oregon Fine Leaf Fescue Commission, 605 Weatherly Bldg., Portland, Ore. 97214
Oregon Highland Bentgrass Comm., Suite 1, Rivergro Bldg., 2111 Front St. N.E., Salem, Ore. 97303
Oregon Orchardgrass Seed Products, Comm., 4491 Liberty Rd. S., Salem, Oregon 97302
Otis Material Handling, 8000 Baker Ave., Cleveland, Ohio 44102

P
Panama Pump Co., Meadow Lane, Hattiesburg, Miss.
Papec Machine Co., Shortsville, N.Y. 14548
Parker Sweeper Co., 91 Bechtle Ave., Springfield, Ohio
Parco Products Co., Pottstown Ave. & Dotts St., Pennsburg, Pa. 18073
J. R. Pendleton & Son, Inc., 11300 Georgia Ave., Wheaton, Md. 20902
S. B. Penick & Co., 100 Church St., New York, N.Y. 10007
Pennington Mfg. Co., 136 Commercial Rd., Addison, Ill.
Pennwalt Chemicals Corp., 2901 Taylor Way, Tacoma, Wash. 98401
Robert B. Peters Co., Inc., 2833 Pennsylvania St., Allentown, Pa. 18104
Phelps Dodge Refining Corp., 300 Park Ave., New York, N.Y.
Phillips Petroleum Co., Bartlesville, Okla.
Pioneer Saws, Ltd., 910 Monaghan Rd., Peterborough, Ontario
Piper Aircraft Corp., Bald Eagle St., Lock Haven, Pa.

Piqua Engineering, Inc., P.O. Box 605, Piqua, Ohio 45356
Pitman Mfg. Co., P.O. Box 605, Grandview, Mo. 64030
Pittsburgh Plate Glass Co., Chemical Div., One Gateway Center, Pittsburgh, Pa. 15222
Plains Supply Co., 2702 Avenue A., Lubbock, Tex. 79404
Plant Marvel Laboratories, 624 W. 119 St., Chicago, Ill.
H. K. Porter, Inc., 74 Foley St., Somerville, Mass. 02143
B. G. Pratt Co., 204 21st St., Paterson, N.J. 07509
Premier Peat Moss Corp., 25 W. 45 St., New York, N.Y. 10036
Prentiss Drug & Chemical Co., Inc., 101 W. 31 St., New York, N.Y.
Princeton Turf Farms, P.O. Box 392, Union Valley Rd., Cranbury, N.J. 08512
Pulmosan Safety Equipment Corp., 30-48 Linden Pl., Flushing N.Y. 11354

Q

Quick Manufacturing, Inc., 256 Linden Ave., Springfield, Ohio

R

Rain Bird Sprinkler, 7045 N. Grand, Glendora, Calif. 91740
Rain Jet Corp., 301 S. Flower St., Burbank, Calif. 91503
Rain-O-Mat Sprinklers, 11701 E. Washington Blvd., Whittier, Calif. 90602
Ra-Pid-Gro Corp., 88 Ossian, Dansville, N.Y.
Raven Ind., Inc., Box 1007, Sioux Falls, S. Dak. 57101
Rear's Mfg. Co., P.O. Box 2430, Eugene, Ore.
Reichhold Chemicals, Inc., 525 N. Broadway, White Plains, N.Y.
Reinco, Inc., P.O. Box 584, Plainfield, N.J. 07061
B. G. Reilly Co., P.O. Box 231, N. Scituate, R.I.
Remington Arms Co., Inc., 25000 S. Western Ave., Park Forest, Ill. 60466
Rental Equipment Mfg. Co., 2778 S. Tejon, Englewood, Colo. 80110
Republic Aviation Corp., Helicopter Div., Farmingdale, L.I., N.Y.
Residex Corp., 225 Terminal Ave., Clark, N.J. 07066
Retzloff Chemical Co., 3230 Brookfield, Houston, Texas 77045
Reynolds Metals Co., 6601 W. Broad St., Richmond, Va. 23218
Ridge Plastics Co., P.O. Box 2205, Jonesboro, Ark. 72401
Robeco Chemicals, Inc., 51 Madison Ave., New York, N.Y.
Roberts Chemicals, Inc., P.O. Box 546, Nitro, W. Va.
Rockland Chemical Co., P.O. Box 204, West Caldwell, N.J. 07006
Rogers Mfg. Co., 220 N. Mahaffie St., Olathe, Kans. 66061
Rohm and Haas Co., Independence Mall West, Philadelphia, Pa. 19105
Rolatape, Inc., 1301 Olympic Blvd., Santa Monica, Calif.
Root-Lowell Corp., 1000 Foreman Rd., Lowell, Mich. 49331
Rosco Manufacturing Co., 3118 Snelling Ave., Minneapolis, Minn.
Roseman Mower Corp., 2300 W. Lake Ave., Glenview, Ill. 60025
Roussel Corp., 155 E. 44 St. New York, N.Y.
Rowco Mfg. Co., Inc., 48 Emerald St., Keene, N.H. 03431

Roxy-Bonner, Inc., 2000 Pioneer Rd., Huntingdon Valley, Pa. 19006
Royer Foundry & Machine Co., 158 Pringle St., Kingston, Pa. 18704
Rudd Manufacturing, Inc., P.O. Box 537, Ripon, Calif. 95366
Ryan Equipment Co., 2055 White Bear Ave., St. Paul, Minn. 55109
Ryerson Steel, Box 8000-A, Chicago, Ill. 60680

S

Sabre Saw Chain, Inc., P.O. Box 341, Lewiston, N.Y. 14092
Safety Test & Equipment Co., Inc., P.O. Box 898, Shelby, N.C.
Schneider Metal Mfg. Co., 1805 S. 55 Ave., Chicago, Ill.
Scott Aviation Corp., 255 Erie St., Lancaster, N.Y.
The O. M. Scott & Sons Co., 160 Main St., Marysville, Ohio
S & D Products, 117 Blackhawk Ave., Prairie du Chien, Wis.
Servis Equipment Co., Box 1590, Dallas, Texas 75221
Sewerage Commission of Milwaukee, P.O. Box 2079, Milwaukee, Wis.
Shamrock Turf Nurseries, Hanna, Ind. 46340
Shell Chemical Co., Agricultural Chem. Div., 100 W. 51 St., New York, N.Y.
Shepard Chemical Industries, Inc., 595 Madison Ave., New York, N.Y.
The Sherwin-Williams Co., 101 Prospect Ave., Cleveland, Ohio
Sierra Chemical Co., 37650 Sycamore, Newark, Calif. 94560
Signal Oil & Gas Co., Houston Div., P.O. Box 5008, Houston, Texas
Sikorsky Aviation Div., United Aircraft Corp., Stratford, Conn.
Silver Creek Precision Corp., 1875 Elmwood Ave., Buffalo, N.Y. 14207
Simplex Mfg. Co., 5224 N.E. 42nd Ave., Portland, Ore. 97218
Simplicity Mfg. Co., Inc., Spring St., Port Washington, Wis. 53074
Skil Corp., 5033 Elston Ave., Chicago, Ill.
Skyworker Div., Transair Co., Inc., P.O. Box 360, Delaware, Ohio
Slope Tractor, Inc., 114—9th St., Harper, Kan. 67058
D. B. Smith & Co., 414 Main St., Utica, N.Y.
Seymour Smith & Son, Inc., 900 Main St., Oakville, Conn. 06779
Snow Aeronautical Corp., P.O. Box 516, Olney, Texas
Sodmaster, 3456 N. Washington Ave., Minneapolis, Minn. 55412
Sohio Chemical Co., P.O. Box 628 Lima, Ohio
Solo Motors, Inc., 5100 Chestnut Ave., Newport News, Va. 23605
South Dakota Kentucky Bluegrass Assn., P.O. Box 823, Huron, So. Dak. 57350
Southern Mill Creek Products, Inc., P.O. Box 1096, Tampa, Fla. 33601
Southwest Potash Div., American Metal Climax, Inc., 1270 Ave. of the Americas, New York, N.Y. 10020
Special Products Co., 15000 W. 44th Ave., Golden, Colo. 80401
Speedex Tractor Co., 367 N. Freedom St., Ravenna, Ohio
Sprayco Mfgs., Inc., 2806 N. Mill St., Jackson, Miss. 39216
Spraying Systems Co., 3201 Randolph St., Bellwood, Ill. 60104
Stanford Seed Co., P.O. Box 230, Plymouth Meeting, Pa. 19462

Stauffer Chemical Co., Fertilizer Div., 636 California St., San Francisco, Calif.
Stauffer Chemical Co., Agricultural Chemical Div., 299 Park Ave., New York, N.Y. 10017
Wm. Steinen Mfg. Co., 29 E. Halsey Rd., Parsippany, N.J. 07054
Stepan Chemical Co., Edens & Winnetka, Northfield, Ill. 60093
Stihl American, Inc., 194 Greenwood Ave., Midland Park, N.J.
Stone Fabricators, Inc., Main St., Honeoye, N.Y. 14471
Stull Chemical Co., P.O. Box 6386, San Antonio, Tex. 78209
Sudbury Laboratory, Box 2471, Sudbury, Mass. 01776
Summers Fertilizers, Inc., Kapco Div., P.O. Box 487, Somerset, Pa. 15501
Sun Industry, Inc., 12418 W. Rosemary, New Berlin, Wis.
The Sun-Mastr Corp., 603 S. Kansas Ave., Olathe, Kansas
Sunnyhill Research & Mfg. Co., Imperial, Pa.
Superior Chemical Products, Inc., 3942 Frankford Ave., Philadelphia, Pa. 19124
Sweepster, Inc., 2810 Baker Rd., Dexter, Mich. 48130

T

Tarrant Mfg. Co., 27-29 Jumel Pl., Saratoga Springs, N.Y.
Tecumseh Products Co., 900 North St., Grafton, Wis. 53024
Telco Industries, P.O. Box 18205, Dallas, Tex.
Tenneco Oil Co., P.O. Box 18, Houston, Tex.
Tennessee Corp., Ind. Chemicals Div., 55 Marietta St., N.W., Atlanta, Ga. 30301
Thompson Equipment Co., N. Washington St., Starksville, Miss.
Thompson-Hayward Chemical Co., P.O. Box 2383, Kansas City, Kans. 66110
The Thompson Manufacturing Co., 2251 E. 7 St., Los Angeles, Calif.
Thor Power Tool Co., 175 N. State St., Aurora, Ill. 60507
Thuron Sprayer Mfg. Co., 12204 Denton Dr., Dallas, Tex. 75234
Toro Manufacturing Corp., 8111 Lyndale Ave., S., Minneapolis, Minn. 55420
Tote Systems Div., Hoover Ball and Bearing Co., 656 S. 7th, Beatrice, Nebr.
Tradewinds, Inc., P.O. Box 1191, Tacoma, Wash. 98401
Trailevator Div., Magline, Inc., Mercer St., Pinconning, Mich. 48650
Tree-Ject Co., 1309 Grove Ave., Waycross, Ga. 31501
Triumph Machinery Co., Willow Grove St., Hackettstown, N.J. 07840
Troy Blanket Mills, 132 W. 34 St., New York, N.Y.
Tryco Mfg. Co., Inc., P.O. Box 1277, Decatur, Ill. 62525
TUCO Products Co., Div. of Upjohn Co., 7171 Portage Rd., Kalamazoo, Mich. 49002
Turf Irrigation Corp., 73 Mall Dr., Commack, N.Y. 11725
Turf Vac Corp., P.O. Box 7382, Long Beach, Calif. 90807
Tyler Corp., E. Highway #12, Benson, Minn.

U

U.S. Borax & Chemical Corp.,
3075 Wilshire Blvd.,
Los Angeles, Calif. 90005
U.S. Industrial Chemicals Co.,
99 Park Ave., New York, N.Y.
U.S.S. Agri-Chemicals, Div. of U.S.
Steel Corp., P.O. Box 1685,
Atlanta, Ga. 30301
Union Carbide Corp.,
Agricultural Products, 270 Park
Ave., New York, N.Y. 10017
Uniroyal Chemical, Div., of Uniroyal,
Inc., Elm Street Naugatuck, Conn.
06770
Universal Metal Products Div.,
Leigh Products, Inc.
460 Main St., Saranac, Mich. 48881
Universal Motor Co.,
1552 Harrison St., Oshkosh, Wis.
Utility Chemical Co., 145 Peel St.,
Paterson, N.J. 07524

V

The Vandermolen Co., P.O. Box 967,
N. Caldwell, N.J. 07006
Vaughan's Seed Co., Chimney Rock
Rd., Bound Brook, N.J.
Velsicol Chemical Corp.,
341 E. Ohio St., Chicago, Ill. 60611
Verde Lawn, Inc., P.O. Box 11157,
Tuscon, Ariz. 85706
Vermeer Manufacturing Co.,
P.O. Box 190, Pella, Iowa 50219
Viking Mfg. Co., P.O. Box 68,
Manhattan, Kans. 66502
Viking Pump Co., 4th & Shutte Sts.,
Cedar Falls, Iowa
Village Blacksmith, 201 Frederick
St., Watertown, Wis. 53094

Vineland Laboratories, Inc., 2285 E.
Landis Ave., Vineland, N.J. 08360
Vistron Corp., P.O. Box 628,
Lima, Ohio 45802
Vulcan Materials Co., P.O. Box 545
Wichita, Kans. 67203

W-X-Y-Z

Waco Lickity Log Splitter Div.,
Piqua Engineering, Inc.,
234 1st St., Piqua, Ohio
R. M. Wade & Co., 1919 N.W.
Thurman St., Portland, Oreg.
97209
Walker Mfg. Co., Fowler, Kans.
67844
Walsh Manufacturing Co., 1200
Fisher St., Charles City, Ia. 50616
"Water-In," Inc.
P.O. Box 421, Altadena, Calif.
Waukesha Motor Co.,
W. St. Paul Ave., Waukesha, Wis.
Waverly Petroleum Products Co.,
3018 Market St., Phila., Pa.
Wayne Manufacturing Co., 1201 E.
Lexington St., Pomona, Calif.
Weather Guard Chest, 4000 Chip-
pewa, St. Louis, Mo. 33116
H. N. Webster Mfg.,
P.O. Box 623, Sebring, Fla.
Welsh Mfg. Co., 9 Magnolia St.,
Providence, R.I. 02909
Weldex, Old Westboro Rd.,
Grafton, Mass. 01519
West Chemical Products Co., 42-16
West St., Long Island City, N.Y.
11101
West Point Products Corp.,
West Point Pike, West Point, Pa.
Western Peat Co.,
5800 Monroe St., Sylvania, Ohio

Weyerhaeuser Co.,
Tacoma Bldg., Tacoma, Wash.
Wheel-Horse Products, Inc., 515 W.
Ireland Rd., South Bend, Ind. 46614
The Whitaker Manufacturing Co.,
5719 W. 65 St., Chicago, Ill. 60638
Whitney Seed, Div., W. R. Grace &
Co., P.O. Box 250, Buffalo, N.Y.
14240
Wichita Equipment Co., Inc.,
P.O. Box 1329, Wichita Falls, Tex.
Wilbur-Ellis Co., 970 S. Goodrich
Blvd., Los Angeles, Calif.
Wiley Miner Associates, Inc., P.O.
Box 392, Cranbury, N.J.
Williamstown Irrigation, Inc.,
Williamstown, N.Y. 13493
Willson Products Div., Ray-O-Vac
Co., 2nd & Washington Aves.,
Reading, Pa.
Andrew Wilson, Inc.,
Baltusrol Way, Springfield, N.J.
Wood Treating Chemicals Co.,
5137 Southwest Ave.,
St. Louis, Mo. 63110
Wright Saw Div., Thomas Industries,
207 E. Broadway, Louisville, Ky.
W-W Grinder Corp.,
2957 N. Market, Wichita, Kans.
Wyandotte Chemicals Corp., 1532
Biddle Ave., Wyandotte, Mich.
48192
Yazoo Mfg. Co., Inc.
P.O. Box 4207, Jackson, Miss.
39216
York Modern Corp., Mill & Watson
St., Unadilla, N.Y. 13849
Zonolite Div., W. R. Grace & Co.,
135 S. LaSalle St., Chicago, Ill.
60654

**Twice the storage space
for half the price**



- Rugged all metal construction.
- White baked enamel finish.
- Easily and quickly installed.
- Space between chest and truck floor.
- Removable sliding trays.
- Good rear visibility.
- Locking hasps.
- Can be transferred from one truck to another.
- Chests come in 3 styles



Write or phone today for complete information

weather guard CHEST

4000 CHIPPEWA • ST. LOUIS, MO. 63116 • Phone: 314-772-4611
BARNEVELD, NEW YORK 13304 | **BURLINGAME, CALIF. 94010**
 P.O. Box 345 | P.O. Box 1492
 Phone: 315-896-2217 | Phone: 415-344-6254

For More Details Circle (112) on Reply Card

CROWN VETCH

Controls Erosion and
Greatly Enhances Hillside Beauty

* * *
ZERO MAINTENANCE!
NO MOWING!
NO WEEDING!
* * *

**NOW! FASTER, SURER, PLANTS
EASIER WITH IN PEAT POTS**

* * *
Write for Price Information and Attractive Brochure
* * *

THE STANFORD SEED CO. has over fifty years experience as seed merchants. We have Warehouses located at Buffalo, Pittsburgh, Binghamton and Philadelphia to serve your needs on all turfgrass items. Your inquiries will have our immediate attention.



P.O. Box 230 | Plymouth Meeting, Pa. 19462
 or | 215 / 825-1240
 P.O. Box 366 | Buffalo, N. Y. 14240
 716 / 825-3300

For More Details Circle (111) on Reply Card

1970 ARTICLE INDEX

WEEDS TREES and TURF

KEY: Feature article, (fa); news feature, (nf); news story, (ns); conference report, (cr); column, (c); letter, (L); and editorial, (ed).

Issue Pg.

A

Aerial Applicator Training, Vincennes University Adds, (ns)	July 38
(Aerial Spray Mission — Vietnam) Operation Ranch Hand (nf)	Mar. 20
Airboat You Can Build, An, (nf)	Oct. 12
Air Pollutants Damage Plant Life, Says Darley (ns)	Apr. 35
Air Pollution Damages Annual Bluegrass, Deal Says, (ns)	May 26
Air Pollution Negligible from Burning Wood by Bruce M. Hunter (L)	June 18
(Alligatorweed vanishing act, Tulare County, Calif.) Now You See It . . . Now You Don't by William R. Clark (fa)	Nov. 20
AAN (American Association of Nurserymen) Elects William Flemer III (ns)	Sept. 34
AAN Landscaping Film Among 10 Most Popular (ns)	July 33
AAN Membership, Record, (ns)	July 38
AAN Membership Spurts (ns)	Dec. 62
AAN Publishes Guide on 'Truth-in-Lending' (ns)	Aug. 42
AAN Sales Campaign Widens Nursery Industry Markets (ns)	Feb. 32
American Society of Consulting Arborists elects officers (ns)	Sept. 28
ASPA (American Sod Producers Association) Field Days Aug. 4-5 (nf)	July 28
ASPA Sod Field Days Open at Rutgers, Aug. 4 (ns)	June 33
CASPA Growers Tour Florida Sod Farms During 2nd ASPA Annual Meeting (cr)	Mar. 41
(ASPA) Sod Industry Survey — A Comprehensive Study of U.S. Sod Production and Marketing Practices (c)	Mar. 36
American Sod Producers Summer Field Day by Henry W. Indyk (L)	Nov. 34
Anti-Pesticide Suit Reaps Need for Double Dieldrin (ns)	Feb. 28
Applicators, Florida, To License 'Restricted Pesticide', (ns)	Sept. 21
(Aquatic Controls Corporation) Firm Offers Harvesters for Aquatic Plant Control (ns)	Mar. 48
(Aquatic Weed Control) An Airboat You Can Build (nf)	Oct. 12
(Aquatic Weed Control) All Nine Lives . . . How To Kill Cattails by Bert Bordewick (fa)	July 10
(Aquatic Weed Control) Chemically and Mechanically: How One City Manages Aquatic Weeds by Jay L. Blanchard (fa)	Oct. 18
(Aquatic Weed Control) 'Creeping Charlie' Uses Aqualin To Kill Aquatic Weeds (nf)	May 18
(Aquatic Weed Control) Effects and Costs: Aquatic Weed Harvesting by C. Brate Bryant (fa)	Oct. 14
(Aquatic Weed Control) It Takes a Total Water Management Service To Whip This (nf)	Oct. 10
(Aquatic Weed Control) The Monster of Stockbridge Bowl by Jason M. Cortell (fa)	June 14
(Aquatic Weed Control) Noxious Aquatic Weed Control Must Be National Goal, Says Southeast U.S. Group (cr)	Aug. 34
Aquatic Weed Control Potable Water Treatment (nf)	Apr. 8
(Aquatic Weed Control) USDA Technical Report on Controlling Hydrilla Verticillata by Robert D. Blackburn and Lyle W. Weldon (fa)	Oct. 20
Aquatic Weed Problems, More Chemicals Used for, (ns)	Mar. 3
Aquatometer, Australian Seeks, by L. W. Lawlor (L)	July 9
(Aquatometer) Locate Water Supply by George L. Jamieson (fa)	Mar. 8
Arboretum, Students, Public To Enjoy Louisiana Tech's, (ns)	May 30
Arborists' Program Includes New Chemicals, Urban Tree Problems (National Arborist Winter Convention) (nf)	Apr. 21
Arsenic Pesticides, USDA Tightens Regulations for, (ns)	Oct. 38
Associated Landscape Contractors of America, Inc., Names Clarke W. Davis Ex. Dir. (ns)	May 30
Atlas Computes Free Data for Pesticide Formulations (ns)	Dec. 60
Automatic Irrigation for Goodyear Blimp Pad (ns)	Mar. 32
Automatic Irrigation System (nf)	Mar. 6
Automatic Rain Co., Willard Hayes Buys (ns)	Dec. 63
(Aviation) N-Triple A 2nd Annual Fly-In (cr)	Jan. 28

B

Bacterium Curbs Tree Defoliation (nf)	Mar. 19
Balchem Process Retards Migration of Herbicides (ns)	Apr. 35
Bartles Continues Fight Against Wood-Burning Ban (ns)	Apr. 30
Beautification Project, Florida School Considers, (ns)	Apr. 35
Beautification Test Plot (nf)	July 12
Bee Stings, Don't Underestimate, Warns Brandt (ns)	Apr. 25
Beetle-Infested Areas, USDA Extends Quarantine of, (ns)	July 36
Beetles, Elm 'Odor Code' Can Be Altered To Repel, (ns)	July 38
(Benomyl) Stripe Smut Control Found (ns)	Sept. 28
Bermudagrass, For Winter Color, Overseed, by F. V. Juska, A. A. Hanson, and A. W. Hovin (fa)	Sept. 16
"Best Buy" A, (ed)	Sept. 4
Biological Herbicides Rated 'Safe, Effective,' by USDA (ns)	July 33
(Blimp Landing Pad, Irrigation of) Automatic Irrigation for Goodyear Blimp Pad (ns)	Mar. 32
'Block Mulch' Cuts Water Evaporation, Pea Gravel, (ns)	Sept. 32

Bluegrass, Deal Says Air Pollution Damages Annual, (ns)	May 26
Bluegrass Has Five-Year Guarantee, Warren's A-20, (ns)	May 25
(Bluegrass Hybrids) Korean Student Works on Turf Hybrids (ns)	Jan. 40
Borbonus Brothers of Idaho, State Fair Booth Promotes Sod Sales for the, (Sod Industry Section) (nf)	Apr. 31
Botanical Garden Nears Fund-Drive Goal, St. Louis, (ns)	Aug. 32
Brazilians Visit (nf)	Aug. 32
Britain Has New Seeder (ns)	Feb. 29
Brush Control Method, Texas A&M Scientists Testing New, (ns)	July 35
Budget Control (nf)	Jan. 25
Bunton Co. Buys Goodall (ns)	Dec. 63
Burning Wood, Air Pollution Negligible From, by Bruce M. Hunter (L)	June 18

C

Calhoun Is Greens Expert (ns)	May 26
California Golf Courses Almost Triple Since 1955 (ns)	Apr. 38
California Program Saves Valuable Roadside Trees (ns)	Apr. 35
Cars, Preventing Law Suits Involving Employees', (ns)	May 30
Cattails, Another Way To Kill, by William E. Wunderlich (L)	Sept. 34
Cattails, How To Kill, (All Nine Lives) by Bert Bordewick (fa)	July 10
(Cemeteries) Power Equipment, Chemicals Save Cemeteries from Weeds (nf)	July 6
(Central Plains Turf Field Day Report) Sand-Based Greens, Grid Field Renovation (cr)	July 20
(Central Plains Turfgrass) Zoysia Fine on Kansas Course (cr)	Dec. 60
Certified 'Supes' Honored at Rocky Mountain Meeting (ns)	Feb. 40
Chemical Pruning Snows Promise (Ohio Research Report) by Dr. P. C. Kozel (fa)	July 12
Chemicals, Be Prepared To Fight Positively for, (ed)	Aug. 6
(Chinchbug Control) Morishita Says Control of Chinch Bug Is A Cinch (ns)	May 30
Cissels Employ a Turf Bird, The, by Marjorie S. Cissel (fa)	July 26
(Collins, R. W., Lawn Spraying, Inc.) Lawn Care Business by Edward G. Dickson (fa)	Jan. 14
Colorado's Kincaid Heads New Shade Tree Group (ns)	Mar. 32
(Columbine Country Club) Budget Control (nf)	Jan. 25
(Columbus and Southern Ohio Electric Co.) Utility Line Clearance . . . Pinning Down Costs by Bernard E. Swisher (fa)	Nov. 14
Contract Applying: Outlook — '70	Dec. 11
Citrine Keeps Trout Farm's Spring Water Clean, Safe, for 20 Years, (nf)	Sept. 18

D

Dandelion Control, Winning Turf Combination: Good Seed, Good Fertilizer, and . . . by Dr. Robert W. Schery (fa)	Sept. 14
Davey — Dynamic ISIC Growth Coming (nf)	Aug. 14
(Davey Tree Expert Company, The) How A Leader Operates (nf)	June 8
Davis, Clarke W., appointed Ex. Dir., Associated Landscape Contractors of America, Inc. (ns)	May 30
DDT Ban, Pesticide Commission, Bills Ask, (Sen. Gaylord Nelson) (ns)	Aug. 26
DDT Bill in Washington State, Witnesses Help Kill Proposed, (ns)	Apr. 34
DDT: Opponents Call It Danger to Environment; Killer of Many Life Forms Defenders Say Environment — and Especially People — Endangered without It by Dr. Charles Wurster, Jr. (fa)	Aug. 22
DDT — Scientist Assails Myths (ns)	Dec. 59
(Defoliation) Operation Ranch Hand (nf)	Mar. 20
(DeLallo, Leonard) Ready Market for Long Island Grower (nf)	Feb. 36
Denver Trees Suffer from 'Gastric' Ailment (ns)	Apr. 38
Diamond Shamrock, New Fact Sheets Available (ns)	Dec. 60
Dieldrin, Anti-Pesticide Suit Reaps Need for Double, (ns)	Feb. 28
Dow Story, Whitehead Tells, (ns)	Mar. 46
Drift Free Spraying (nf)	Feb. 26
Dutch Elm Disease, Canadian Side of Lake Erie (nf)	Dec. 12
Dutch Elm Disease, MSU's Butcher Seeks Natural Control of, (ns)	Feb. 32
Dutch Elm Disease, Theories Vary on Cause of, (ns)	Jan. 33

E

Elm Arrester, It's Freers, (nf)	May 20
Elm Forest Suffering Triple Blows, Kansas City's, (ns)	Oct. 25
Elm 'Odor Code' Can Be Altered To Repel Beetles (ns)	July 38
Elm Research Institute (nf)	May 14
Elm Tree Losses a Record in Milwaukee, Wis., Area (ns)	June 36
Emulsifiers, Rhom, and Haas Announces Two New, (ns)	Oct. 39
Emulsions Help Target Herbicides, Invert, (Right-of-Way Spray Control) (nf)	May 6
Europeans Tour Ryan Facilities (nf)	Dec. 58

F

Ferguson Fumigants Offers New Gelled Soil Fumigants (ns)	May 33
Fertilizer Need, Soil Test, Not Plant Use, Basis for, (ns)	July 29
Fertilizing Trees, Neeley Reveals Pros, Cons, (ns)	May 21
(Fescue) Kentucky 31 Tall Fescue — A Shade-Tolerant Turfgrass by F. V. Juska, A. A. Hanson and A. W. Hovin (fa)	Jan. 34
Flemer Elected AAN President (ns)	Sept. 34
Florida School Considers Beautification Project (ns)	Apr. 35
Florida To License 'Restricted Pesticide' Applicators (ns)	Sept. 21
"Florida's 'Super Forests' Yield Select Seedlings"	

	Issue Pg.
Florida Nurserymen Hear Qualities of a Manager (cr)	Dec. 62
by C. Winn Upchurch (fa)	Feb. 12
Fly Control, Malathion Looks Good as Lake, (ns)	July 34
FMC Non-Crop Herbicide Given Federal Registration (ns)	July 34
Ford Booklet Lists Industrial Tractor Line, '69, (ns)	July 36
Fumigants, Ferguson Fumigants Offers New Gelled Soil, (ns)	May 33

G

(Geigy Agricultural Chemicals Sales Co.) Suppliers' Staff Changes (ns)	Feb. 39
Georgia Pre-Tests Seeds To Abate Roadside Weeds (ns)	Feb. 3
Golf Course Damage, Michigan, Also (nf)	July 27
(Golf Course Irrigation) Automatic Irrigation System (nf)	Mar. 6
Golf Course Maintenance Headed Toward Total Turfgrass Perfection (nf)	July 14
(Golf Course Superintendents Assn. of America) Leading Turfgrass Show at Miami Beach (cr)	Mar. 23
Golf Courses, California, Almost Triple Since 1955, (ns)	Apr. 38
Golf, 81 Years of, (nf)	May 10
(Golf Supt.'s Budget) Budget Control (nf)	Jan. 25
Golf, What's Happening, Outlook - '70 (nf)	Dec. 6
Goodyear Blimp Pad, Automatic Irrigation for, (ns)	Mar. 32
(Graham, Tom) Industrial Weed Control (nf)	Feb. 6
Grass Is Sound Absorbent, Illinois Study Indicates, (ns)	May 27
Grass Use, Crop Forecast Reported at Merion Meeting (cr)	July 27
Grass Varieties, Specialists Review New, (Sod Industry Section) (cr)	May 22
Grasses, Characteristics of, as related to The Science of Mowing by J. R. Watson (fa)	June 22
Grau Executive Director, Pennsylvania Group Elects, (ns)	May 21
(Greenbrier Golf Course) Golf Course Maintenance Headed Toward Total Turfgrass Perfection (nf)	July 14
Greens Expert, Calhoun Is, (ns)	May 26
Grid Field Renovation, Sand-Based Greens (cr)	July 20
Gulf Conducting Research on 'Time-Pill' Fertilization (ns)	June 38
Gypsy Moth Tree Damage Trebled Over Past Year (ns)	Nov. 23

H

Hardi-Gardens Establishes 60 Franchises in Texas (ns)	May 24
Health Goes International; Acquires CMW Sales (ns)	July 37
Helicopter Assn., Board Okays Bylaw Changes for, (ns)	June 36
Helicopter Assn. Elects Rockefeller & McPherson (ns)	Aug. 41
Herbicide Given Federal Registration, FMC Non-Crop, (ns)	July 34
Herbicide Selector Chart (ns)	May 33
Herbicides, Balchem Process Retards Migration of, (ns)	Apr. 35
Herbicides, Invert Emulsions Help Target, (nf)	May 6
Herbicides, Oregon State Accelerates Testing of New, (ns)	June 37
Herbicides Rated 'Safe, Effective' by USDA, Biological, (ns)	July 33
Herbicides, Triazine, Intl. Symposium (ns)	May 30
Hercules Film Depicts 'Visko-Rhap' Efficiency, New, (ns)	Jan. 40
Hercules Predicts Growth in 'Visko-Rhap Usage (ns)	May 21
Highway Rights-of-Way Weed Control (nf)	Apr. 6
House Bill 1059 (ed)	Apr. 4
Hub States Pesticide Manual Available (ns)	Dec. 62
(Hyacinth Control Society) Noxious Aquatic Weed Control Must Be National Goal, Says Southeast U. S. Group (cr)	Aug. 34
Hybrids, Korean Student Works on Turf, (ns)	Jan. 40
Hydrilla Verticillata: USDA Technical Report on Controlling, by Robert D. Blackburn and Lyle W. Weldon (fa)	Oct. 20

I

Idaho, State Fair Booth Promotes Sod Sales for the Borbonus Brothers of, (Sod Industry Section) (nf)	Apr. 31
(Illinois Turfgrass Foundation, Inc.) Illinois Group Re-Elects Bob Johnson as President (ns)	Mar. 48
Industrial Weed Control (nf)	Feb. 6
Infra-Red Photography, Weeds May Be Detected By, (ns)	June 39
Insect Control, Ohio Bulletin Published on Mite, (ns)	Aug. 32
Intl. Harvester Man Predicts Good Year for Tractor Sales in 1969 (ns)	Feb. 37
ISTC (International Shade Tree Conference) Features Are Announced for 45th Tree Conference (ns)	June 28
ISTC Growth Coming, Dynamic, - Davey (nf)	Aug. 14
(ISTC) Here Are Program Features for Shade Tree Conference (nf)	July 24
(ISTC Report, 45th) Beautifying with Trees Is a Complex Business (cr)	Oct. 32
Intl. Society, Turf Specialists Form, (cr)	Sept. 29
Invert Emulsions Help Target Herbicides (nf)	May 6
Irrigation, Automatic, for Goodyear Blimp Pad (ns)	Mar. 32
Irrigation: Outlook - '70 (nf)	Dec. 8
Irrigation Stressed: Midwest Regional Turf Conference (cr)	Apr. 32
(Irrigation supply) Locate Water Supply by George L. Jamieson (fa)	Mar. 8
Irrigation system, automatic, (nf)	Mar. 6
Irrigation: Turf Beauty Key (nf)	Oct. 28

J

Jaffo's Order: Selective Clearing by Phil Lance (fa)	Aug. 29
Jersey Clean-Up Program Stresses Weed Control (ns)	May 30
John Bean Puts Out New Sprayer-Duster Catalog (ns)	Feb. 29
(Johnson, Charlie P.) 'Creeping Charlie' Uses Aqualin To Kill Aquatic Weeds (nf)	May 18

K

Kansas City's Elm Forest Suffering Triple Blows (ns)	Oct. 25
--	---------

Issue Pg.

(Kaspar Burgi, Inc.) Massive Tree Transplant by Lou Speer (fa)	Jan. 18
Kentucky 31 Tall Rescue - A Shade-Tolerant Turfgrass by E. V. Juska, A. A. Hanson, and A. W. Hovin (fa)	Jan. 34
Kearney-National Buys West Point (ns)	Dec. 61
(Kimberly Turf Farms) The Cissels Employ a Turf Bird by Marjorie S. Cissel (fa)	July 26
Kincaid Heads New Shade Tree Group, Colorado's, (ns)	Mar. 32
King Ranch Grants \$5,000 for Lawngress Research (ns)	Nov. 29
Korean Student Works on Turf Hybrids (ns)	Jan. 40

L

Lake Enrichment, Phosphorous Is Key To, (ns)	July 29
Lake Fly Control, Malathion Looks Good As, (ns)	July 38
(Lake Oswego, Ore.) Automatic Irrigation System (nf)	Mar. 6
Landscape Contractors, New Management Announced (ns)	Dec. 59
Landscape Council, Editorial and Content Comments (L)	Oct. 7
Landscaping Film Among 10 Most Popular, AAN, (ns)	July 33
Landscaping and Lawns, \$1 Buys 16 Publications on, (ns)	July 27
Landscaping, Portland Hilton Hotel Brings Downtown, (cr)	Nov. 18
Law Suits Involving Employees' Cars, Preventing, (ns)	May 30
Lawn Care Business by Edward G. Dickson (fa)	Jan. 14
Lawn, Garden Week Plans Announced (ns)	Sept. 25
Lawngress Research, King Ranch Grants \$5,000 for, (ns)	Nov. 29
Leave the Nursery Business to Us, Uncle (ed)	May 4
(Legislation) House Bill 1059 (ed)	Apr. 4
Levelland, Texas, Goes City-Wide Against Weeds (nf)	Nov. 12
(Licensing) Florida to License 'Restricted Pesticide' Applicators (ns)	Sept. 21
Licensing Law, Michigan Nurserymen Want Effective, (ns)	Jan. 32
Lightning Protection, Van Wormer Give Tips on, (ns)	Feb. 28
Liquid Plant Food, Tree Expert Cites Assets (ns)	Dec. 61
Louisiana Tech's Arboretum, Students, Public To Enjoy, (ns)	May 30
(Louisiana Turfgrass Assn.) 1969 Officers Announced at Louisiana Conference (ns)	Feb. 32
Lubricate or Languish (Maintenance Choice Is Clear) by Stanley E. Metsker (fa)	June 26

M

Magazine Staff Changes Announced (ns)	May 34
(Magnetometer) Locate Water Supply by George L. Jamieson (fa)	Mar. 8
Maintenance Choice Is Clear: Lubricate or Languish by Stanley E. Metsker (fa)	June 26
Malathion Looks Good As Lake Fly Control (ns)	July 38
(Manatee Seed & Sod Co.) Florida's 'Super Forests' Yield Select Seedlings by C. Winn Upchurch (fa)	Feb. 12
Manual, Safe Pesticide Practices Stressed in UC, (ns)	Apr. 35
McDermott, Joe, Is President; Six States' Growers Form Midwest Turfgrass Assn. (cr)	June 28
McPherson, Helicopter Assn. Elects Rockefeller and, (ns)	Aug. 41
(Market survey) November Is For Spanking (ed)	Nov. 4
Massive Tree Transplant by Lou Speer (fa)	Jan. 18
Mercer Sod, Inc., Since 1928 by Phil Lance (fa)	Oct. 26
Merion Bluegrass Assn. (ns)	Nov. 27
Merion Bluegrass Seed To Be Priced Higher (ns)	Sept. 29
Merion Meeting, Grass Use, Crop Forecast Reported at, (cr)	July 27
Metabolism, North Dakota State To Study Pesticide/Plant, (ns)	Oct. 29
Michigan Golf Course Damage, Also (nf)	July 27
Michigan Nurserymen Want Effective Licensing Law (ns)	Jan. 32
Michigan State Expands Park-Recreation Program (ns)	Apr. 3
Michigan State Reports On First Sod Field Day (cr)	Nov. 28
(MSU Cooperative Extension Service) \$1 Buys 16 Publications on Lawns and Landscaping (ns)	July 27
MSU Grass Plots Ready for First Field Day Sept. 10 (ns)	Aug. 32
MSU, Vargas Heads Turfgrass Disease Research at, (ns)	Feb. 27
MSU's Butcher Seeks Natural Control of DED (ns)	Feb. 32
(Microfoil) Drift-Free Spraying (nf)	Feb. 26
Midwest Regional Turf Conference: Irrigation Stressed (cr)	Apr. 32
Midwest Turfgrass Assn., Six States' Growers Form: Joe McDermott, Is President (cr)	June 28
Milwaukee, Wis., Area, Elm Tree Losses a Record in, (ns)	June 36
Mite, Insect Control, Ohio Bulletin Published on, (ns)	Aug. 32
Money, Price-Fixing Conspiracy on, ? (ed)	July 4
Monster of Stockbridge Bowl, The, by Jason M. Cortell (fa)	June 14
Morishita Says Control of Chinchbug Is a Cinch (ns)	May 30
Moving Trees Is Ancient Art by Harold Davidson (fa)	Aug. 16
Mowing Hazards: Safety and Beauty; How States Are Working Around (nf)	Sept. 6
Mowing, The Science of (Characteristics of grasses as related to) by J. R. Watson (fa)	June 22
(Mulches) Comparing Mulches - The Long and Short of It by L. E. Foote and D. L. Kill (fa)	Mar. 12
(Mulches) Pea Gravel 'Block Mulch' Cuts Water Evaporation (ns)	Sept. 32

N

National Aerial Applicator Assn. 2nd Annual Fly-In (cr)	Jan. 28
(National Aerial Applicators Assn.) Vincennes University Adds Aerial Applicator Training (ns)	July 38
National Arborist Winter Convention; Arborists' Program Includes New Chemicals, Urban Tree Problems (cr)	Apr. 21
(National Lawn and Garden Week) Lawn, Garden Week Plans Announced (ns)	Sept. 25
(Netherlands) Royal Dutch Society for Natural History) The Glory of the Tree by Dr. B. K. Boom and H. Kleinj (br)	Mar. 31

New Jersey Arborists Assn. elects officers (ns)	July 32
New Seed Packaging Plant (ns)	Feb. 29
(Noise) Plantings Can Reduce (ns)	Dec. 61
North American Nut Trees, 421-page Book Published on, (ns)	July 33
North Dakota State To Study Pesticide/Plant Metabolism (ns)	Oct. 29
(Northeast Weed Control Conference) Scientists Present New Findings at 23rd Northeast Weed Conference (cr)	Feb. 18
NW Applicators Grid for Pesticide Battle (nf)	Nov. 32
NW Turfgrass Assn. Announces 1970 Officers (ns)	Nov. 27
November Is For Thanking (ed)	Nov. 4
Nursery Business to Us, Uncle, Leave the, (ed)	May 4
Nurserymen Make Available New Safety Presentation (ns)	Apr. 40
Nut Trees, 421-page Book Published on North American, (ns)	July 33

O

Oak Wilt Control Looks Promising, Says Nair (ns)	Feb. 29
'Odor Code', Elm, Can Be Altered To Repel Beetles (ns)	July 38
Ohio Bulletin Published on Mite, Insect Control (ns)	Aug. 32
(Ohio Turf Foundation) 2nd Annual Turf Conference (cr)	Feb. 30
(Ohio) Turfgrass Foundation Gives \$10,000 Grant to OSU (ns)	July 29
Ohio Turfgrass Foundation research grant (ns)	Nov. 34
Ohio Turfgrass Show, 20 Speakers Scheduled for, (ns)	Nov. 34
(Oklahoma City, Okla.) Industrial Weed Control (nf)	Feb. 6
Operation Ranch Hand (nf)	Mar. 20
(Oregon) Automatic Irrigation System (nf)	Mar. 6
Oregon State Accelerates Testing of New Herbicides (ns)	June 37

P

(Pacific Supply Cooperative) New Seed Packaging Plant (ns)	Feb. 29
Park/Recreation Program, Michigan State Expands, (ns)	Apr. 3
(Parks, Topeka, Kan.) Stretch Resources To Place the Park Where the People Are by Grier Lowry (fa)	Aug. 8
Pea Gravel 'Block Mulch' Cuts Water Evaporation (ns)	Sept. 32
Pennsylvania Group Elects Grau Executive Director (ns)	May 21
Pennsylvanian Finds Sod More Profitable Than Beef by Phil Lance (fa)	Sept. 26
(Pennwalt) It Takes a Total Water Management Service To Whip This (nf)	Oct. 10
Pesticide Application Regulatory Practices (nf)	Feb. 8
Pesticide/Plant Metabolism, North Dakota State To Study, (ns)	Oct. 29
Pesticide Practices Stressed in UC Manual, Safe, (ns)	Apr. 35
Pesticide Residue Buildup to Date, Study Shows No, (ns)	Apr. 25
Pesticide Suspension Order No 'Confession,' USDA, (ns)	Aug. 25
Pesticide Suspension, USDA Delays Decision on, (ns)	Sept. 28
Phosphorus, USDA Tightens Regulations for Arsenic, (ns)	Oct. 38
Phosphorus Is Key to Lake Enrichment (ns)	July 29
Photography, Weeds May Be Detected by Infra-Red, (ns)	June 39
Pine Sawfly Bite Not Fatal, How To Spray if You Wish (ns)	July 35
Planting Trees, Time Study for, by Harold Davidson and Tom Speakman (fa)	Aug. 18
Platz Elected President of National Fertilizer Solutions Assn. (ns)	Jan. 3
Poa Annua: Control Program by William H. Daniel (fa)	Apr. 12
Polluted Air Retards Growth of White Pine (ns)	Sept. 33
Portland Hilton Hotel Brings Landscaping Downtown (cr)	Nov. 18
Potable Water Treatment: Aquatic Weed Control (nf)	Apr. 8
Power Equipment, Chemicals Save Cemeteries from Weeds (nf)	July 6
Price-Fixing Conspiracy on Money? (ed)	July 4
(Princeton Turf of Kansas City) How Do You Run a Sod Farm in the City? (nf)	Nov. 24
Prison Inmates Study Plant Care (nf)	June 24
Private Property Offers Sanctuary for Sick Trees (ns)	June 39
Professional, What's Tough About Becoming a, (ed)	Oct. 6
(Pursley Zoysia Grass Co.) Florida's 'Super Forests' Yield Select Seedlings by C. Winn Upchurch (fa)	Feb. 12

Q

Quality Sod Produces Ready Market for Long Island Grower (nf)	Feb. 36
Quarantine of Beetle-Infested Areas, USDA Extends, (ns)	July 36

R

Remington Arms Expands Service Center Network (ns)	May 33
(Right-of-Way Spray Control) Invert Emulsions Help Target Herbicides (nf)	May 6
Rights-of-Way Weed Control, Highway, (nf)	Apr. 6
Rockefeller & McPherson, Helicopter Assn. Elects, (ns)	Aug. 41
(Rocky Mountain Golf Course Supts. Assn.) Certified 'Supes' Honored at Rocky Mountain Meeting (ns)	Feb. 40
Rohm and Haas Announces Two New Emulsifiers (ns)	Oct. 39
Rutgers Announces Dates for Turfgrass Studies (ns)	Nov. 35

S

Safe Pesticide Practices Stressed in UC Manual (ns)	Apr. 35
Safety Presentation, Nurserymen Make Available New, (ns)	Apr. 40
St. Andrews Brought Game to America: 81 Years of Golf (nf)	May 10
St. Augustine Decline, Texas A&M Combats, (ns)	May 27
St. Louis Botanical Garden Nears Fund-Drive Goal (ns)	Aug. 32
Sand-Based Greens, Grid Field Renovation (cr)	July 20
Scholarship, Texas Tech Senior Wins Weather-matic, (ns)	Feb. 40

Science of Mowing, The, (Characteristics of Grasses as Related to) by J. R. Watson (fa)	June 22
Seed Packaging Plant, New, (ns)	Feb. 29
(Seed pre-testing) Georgia Pre-Tests Seeds to Abate Roadside Weeds (ns)	Feb. 3
(Seed Technology, Inc.) Turf Analysis Test by Dale Kern (fa)	Jan. 6
Seeder, Britain Has New, (ns)	Feb. 29
(Seedling selection) Florida's 'Super Forests' Yield Select Seedlings by C. Winn Upchurch (fa)	Feb. 12
(Shade Tree Assn. of Mountain States) Colorado's Kincaid Heads New Shade Tree Group (ns)	Mar. 32
Shredders, All the Ways You Can Use Soil, (nf)	Nov. 6
Sick Trees, Private Property Offers Sanctuary for, (ns)	June 39
SMA (Society of Municipal Arborists) Elects New Officers (ns)	Jan. 41
Sod Field Day, Michigan State Reports on First, (cr)	Nov. 28
Sod Field Day's Work, All In A: Trim, Sweep, Cut, Roll, Lift (nf)	Sept. 22
(Sod) Outlook - '70 (nf)	Dec. 10
(Sod Industry) 'Here's What You Need To Start A Sod Farm' by Donald W. Morrill (fa)	Aug. 30
(Sod Industry Section) How to Cut Sod-Handling Costs in Half (fa)	Dec. 50
(Sod Industry) Kentucky 31 Tall Fescue - A Shade- Tolerant Turfgrass by F. V. Juska, A. A. Hanson, and A. W. Hovin (fa)	Jan. 34
(Sod Industry) Ready Market for Long Island Grower (nf)	Feb. 36
(Sod Industry Section) The Cissels Employ A Turf Bird by Marjorie S. Cissel (fa)	July 26
(Sod Industry Section) Mercer Sod, Inc. . . . Since 1928 by Phil Lance (fa)	Oct. 26
(Sod Industry Section) Princeton Turf of Kansas City: How Do You Run A Sod Farm in the City? (nf)	Nov. 24
(Sod Industry Section) Sod Winterkill Extensive (nf)	June 31
(Sod Industry Section) Specialists Review New Grass Varieties (cr)	May 22
(Sod Industry Section) State Fair Booth Promotes Sod Sales for the Borbonus Brothers of Idaho (nf)	Apr. 31
(Sod Industry Survey) A Comprehensive Study of U.S. Sod Production and Marketing Practices (c)	Mar. 36
Sod More Profitable Than Beef, Pennsylvanian Finds, by Phil Lance (fa)	Sept. 26
(Sod Producers Field Day) MSU Grass Plots Ready for First Field Day Sept. 10 (ns)	Aug. 32
Sod Producers Summer Field Day, American, by Henry W. Indyk (L)	Nov. 34
Sod Webworm Control, Slide Rule 'Errs' On, (ns)	July 29
Soil Fumigants, Ferguson Fumigants Offers New Gelled, (ns)	May 33
Soil Shredders, All the Ways You Can Use, (nf)	Nov. 6
Soil Test, Not Plant Use, Basis for Fertilizer Need (ns)	July 29
Soils, Woodbury's 'Envy' Treats Alkaline Western, (ns)	May 27
(South Florida Golf Course Supts. Assn.) Turf Conference Scheduled for Sunny Miami Beach (ns)	Jan. 40
Southern California Assn. Installs New Officers (ns)	Feb. 33
(Southern California Turfgrass Council) Southern California Assn. Installs New Officers (ns)	Feb. 33
(Spray boom) Drift-Free Spraying (nf)	Feb. 26
Spray Control, Right-of-Way: Invert Emulsions Help Target Herbicides (nf)	May 6
(Spray mission, Vietnam) Operation Ranch Hand (nf)	Mar. 20
(Spray operations) New Hercules Film Depicts 'Visko-Rhap' Efficiency (ns)	Jan. 40
(Spray-O-Rama: Pacific NW Pesticide Applicators, Inc.) NW Applicators Grid for Pesticide Battle (nf)	Nov. 32
Sprayer-Duster Catalog, John Bean Puts Out New, (ns)	Feb. 29
(Spraying, Lawn) Yeats' Northwest Spray Fertilizes Home Lawns in Minutes (nf)	Apr. 20
Stockbridge Bowl, The Monster of, by Jason M. Cortell (fa)	June 14
Strikes Can Be Avoided . . . Listen by A. A. Imberman (fa)	Sept. 10
Stripe Smut Control Found (ns)	Sept. 28
Suspension Order No 'Confession,' USDA Pesticide, (ns)	Aug. 25

T

(Tandex) FMC Non-Crop Herbicide Given Federal Registration (ns)	July 34
Texas A & M Scientists Testing New Brush Control Method (ns)	July 35
Texas Tech Senior Wins Weather-matic Scholarship (ns)	Feb. 40
Thatch Removal: Turf Management (nf)	Apr. 18
'Time Pill' Fertilization, Gulf Conducting Research on, (ns)	June 38
Time Study for Planting Trees by Harold Davidson and Tom Speakman (fa)	Aug. 18
(Topeka, Kan., parks) Stretch Resources To Place the Park Where the People Are by Grier Lowry (fa)	Aug. 8
(Toxaphene) Not a Hard Pesticide, Hercules Says (ns)	Dec. 16
Tractor Line, '69 Ford Booklet Lists Industrial, (ns)	July 36
(Tractor sales) Intl. Harvester Man Predicts Good Year for Tractor Sales in 1969 (ns)	Feb. 37
(Tree Defoliation) Bacterium Curbs Tree Defoliation (nf)	Mar. 19
Tree Expert Company, The Davey (How A Leader Operates) (nf)	June 8
Tree Grows in the Darndest Place, A, (Topeka, Kan., church) (nf)	Nov. 33
Tree Grows in the Darndest Places, A, (Indiana county courthouse) (nf)	Sept. 12
(Tree Moving) Moving Trees Is Ancient Art by Harold Davidson (fa)	Aug. 16
(Tree Planting) Time Study for Planting Trees by Harold Davidson and Tom Speakman (fa)	Aug. 18
(Tree Transplants) Massive Tree Transplant by Lou Speer (fa)	Jan. 18
Trees, Beautifying with, Is A Complex Business (cr)	Oct. 32
Trees, California Program Saves Valuable Roadside, (ns)	Apr. 35
Trees, The Care and Feeding of, by Richard C. Murphy and William E. Meyer (br)	Nov. 11
Trees Could Be Affected by 'Overdose' of Weed Killer (nf)	Sept. 34
Trees, Denver, Suffer from 'Gastric' Ailment (ns)	Apr. 38
Trees, 421-page Book Published on North American	

Nut, (ns)	July 33
(Trees) The Glory of the Tree by Dr. B. K. Boom and H. Kleijn (br)	Mar. 31
Trees, Neely Reveals Pros. Cons. of Fertilizing, (ns)	May 21
Trees, Private Property Offers Sanctuary for Sick, (ns)	June 39
Trees and Turfgrasses, Interactions Significant for, (ns)	Oct. 29
Triazine Herbicides Intl. Symposium (ns)	May 30
Trot Farm's Spring Water Clean, Safe, for 20 Years, Cutrine Keeps, (nf)	Sept. 18
'Truth-in-Lending,' AAN Publishes Guide on, (ns)	Aug. 42
Turf Analysis Test, by Dale Kern (fa)	Jan. 6
Turf Beauty Key: Irrigation (nf)	Oct. 28
Turf Bird, The Cissels Employ A, by Marjorie S. Cissel (fa)	July 26
Turf Circular, VPI Revises, (ns)	July 34
Turf Combination, Winning: Good Seed, Good Fertilizer, and Dandelion Control by Dr. Robert W. Schery (fa)	Sept. 14
Turf Conference, Midwest Regional: Irrigation Stressed (cr)	Apr. 32
Turf Conference Scheduled for Sunny Miami Beach (ns)	Jan. 40
Turf Conference, 2nd Annual, (Ohio Turf Foundation), (cr)	Feb. 30
Turf Disease, Needed, Chart of, by Ferdinand Garbin (L)	Nov. 34
Turf Hybrids, Korean Student Works on (ns)	Jan. 40
Turf Management: Thatch Removal (nf)	Apr. 18
Turf Meet Set July 14-17 in England, First World-Wide, (ns)	June 33
(Turf) What's New With "The Grass People" (nf)	Dec. 54
Turf Specialists Form Intl. Society (cr)	Sept. 29
(Turfgrass) Kentucky 31 Tall Fescue—A Shade-Tolerant Turfgrass by F. V. Juska, A. A. Hanson, and A. W. Hovin (fa)	Jan. 34
Turfgrass Assn., Six States' Growers Form Midwest; Joe McDermott Is President (cr)	June 28
(Turfgrass) Conference) Leading Turfgrass Show at Miami Beach (cr)	Mar. 23
(Turfgrass) Conference) Ninth Conference Staged by Virginia Turf Council (cr)	Mar. 30
Turfgrass Disease Research, Vargas Heads, at MSU (ns)	Feb. 37
Turfgrass Foundation Gives \$10,000 Grant to OSU (ns)	July 29
Turfgrass Studies Dates, Rutgers Announces, (ns)	Nov. 35
(Tussock Moth Caterpillar) Bacterium Curbs Tree Defoliation (nf)	Mar. 19
2, 4-D, What Type to Use? by J. S. Coartney and A. H. Kates (fa)	July 16

U

UC Manual, Safe Pesticide Practices Stressed in, (ns)	Nov. 35
USDA Awards \$85,293 for Wilt Disease Research (ns)	Nov. 35
USDA, Biological Herbicides Rated 'Safe, Effective,' by, (ns)	July 33
USDA Delays Decision on Pesticide Suspension (ns)	Sept. 28
USDA Extends Quarantine of Beetle-Infested Areas (ns)	July 36
USDA Pesticide Suspension Order No 'Confession' (ns)	Aug. 25
USDA Technical Report on Controlling Hydrilla Verticillata by Robert D. Blackburn and Lyle W. Weldon (fa)	Oct. 20
USDA Tightens Regulations for Arsenic Pesticides (ns)	Oct. 38
(University of Wisconsin) More Chemicals Used for Aquatic Weed Problems (ns)	Mar. 3
(University of Wisconsin) Researchers) Elm 'Odor Code' Can Be Altered To Repel Beetles (ns)	July 38
Utility Line Clearance . . . Pinning Down Costs by Bernard E. Swisher (fa)	Nov. 14

V

Van Wormer Gives Tips on Lightning Protection (ns)	Feb. 28
Vargas Heads Turfgrass Disease Research at MSU (ns)	Feb. 37
(Vietnam Spray Mission) Operation Ranch Hand (nf)	Mar. 20
Vincennes University Adds Aerial Applicator Training (ns)	July 38
VPI Revises Turf Circular (ns)	July 34
Virginia Turf Council, Ninth Conference Staged by, (cr)	Mar. 30
'Visko-Rhap' Efficiency, New Hercules Film Depicts, (ns)	Jan. 40
'Visko-Rhap' Usage, Hercules Predicts Growth in, (nf)	May 21

W

Wade (R. M., and Co.), New Product, Plant for, (ns)	Nov. 34
Warren's A-20 Bluegrass Has Five-Year Guarantee (ns)	May 25
Washington State, Witnesses Help Kill Proposed DDT Bill in, (ns)	Apr. 34
Water (ed)	Oct. 8
Water Management Service To Whip This, It Takes a Total, (nf)	Oct. 10
(Water sources) Locate Water Supply by George L. Jamieson (fa)	Mar. 8
Water Treatment, Potable: Aquatic Weed Control (nf)	Apr. 8
Weather-matic Scholarship, Texas Tech Senior Wins, (ns)	Feb. 40
Webworm Control, Slide Rule 'Errs' on Sod, (ns)	July 29
Weed Conference, Scientists Present New Findings at 23rd Northeast, (cr)	Feb. 18
Weed Control, Industrial, (nf)	Feb. 6
Weed Control, Jersey Clean-Up Program Stresses, (ns)	May 30
(Weed Control) What Type 2, 4-D To Use? by J. S. Coartney and A. H. Kates (fa)	July 16
(Weed Control) World's Ten Most Hated Weeds (nf)	July 15
Weed Control, Aquatic: Potable Water Treatment (nf)	Apr. 8
Weed Control, Highway Rights-of-Way, (nf)	Apr. 6
Weed Control Program: Poa Annua by William H. Daniel (fa)	Apr. 12
Weed Control, What Kind, Texas A-M (cr)	Dec. 14
Weed Killer, Trees Could Be Affected by 'Overdose' of, (nf)	Sept. 34
(Weed Prevention) Georgia Pre-Tests Seed to Abate Roadside Weeds (ns)	Feb. 3
Weed Problems, Aquatic, More Chemicals Used for, (ns)	Mar. 3
Weed Science Society Meeting (Ninth) Features New Herbicide Technology (cr)	Apr. 26
Weed Society Announces Three Policy Changes (ns)	June 38
(Weeds Chart) 30 Common Weeds Pictured on West Chemical Chart (ns)	Feb. 37

Weeds May Be Detected by Infra-Red Photography (ns)	June 39
West Chemical Chart, 30 Common Weeds Pictured on, (ns)	Feb. 37
Whitehead Tells Dow Story (ns)	Mar. 46
White Pine, Polluted Air Retards Growth of, (ns)	Sept. 33
Winter Refresher (ed)	Jan. 4
Wood, Air Pollution Negligible from Burning, by Bruce M. Hunter (L)	June 18
Wood-Burning Ban, Bartles Continues Fight Against, (ns)	Apr. 30
Wood Waste Makes Money by Leon Baldwin (fa)	Aug. 20
Woodbury's 'Envy' Treats Alkaline Western Soils (ns)	May 27
World's Ten Most Hated Weeds (nf)	July 15
WTT Businesses Involve Six Operations (ns)	Dec. 12

Y

Yeats' Northwest Spray Fertilizes Home Lawns in Minutes (nf)	Apr. 20
You Are Where the Action Is (ed)	June 6

AUTHORS

Baldwin, Leon, "Wood Waste Makes Money"	Aug. 20
Blackburn, Robert D., "USDA Technical Report on Controlling Hydrilla Verticillata" with Lyle W. Weldon	Oct. 20
Blanchard, Jay L., "Chemically and Mechanically: How One City Manages Aquatic Weeds"	Oct. 18
Boom, Dr. B. K., "The Glory of the Tree" with H. Kleijn (br)	Mar. 31
Bordewick, Bert, "How To Kill Cattails (All Nine Lives)"	July 10
Bryant, C. Brate, "Effects and Costs: Aquatic Weed Harvesting"	Oct. 14
Capper, Daniel S., "Landscape Council" (L)	Oct. 7
Cissel, Marjorie S., "The Cissels Employ A Turf Bird"	July 26
Clark, H. M., Irrigation: Outlook — '70	Dec. 8
Clark, William R., "Now You See It . . . Now You Don't" (Alligatorweed)	Nov. 20
Coartney, J. S., "What Type 2, 4-D To Use?" with A. H. Kates	July 16
Cortell, Jason M., "The Monster of Stockbridge Bowl"	June 14
Daniel, William H., "Poa Annua (Control Program)"	Apr. 12
Davey, Keith L., "Dynamic ISTC Growth Coming"	Aug. 14
Davidson, Harold, "Moving Trees Is Ancient Art"	Aug. 16
Davidson, Harold, "Time Study for Planting Trees" with Tom Speakman	Aug. 18
Dickson, Edward G., "Lawn Care Business"	Jan. 14
Eckhoff, Harry C., "What's Happening in Golf: Outlook — '70"	Dec. 6
Foote, L. E., "Comparing Mulches—The Long and Short of It" with D. L. Kill	Mar. 12
Hanson, A. A., "For Winter Color, Overseed Bermudagrass" with F. V. Juska and A. W. Hovin	Sept. 16
Hanson, A. A., "Kentucky 31 Tall Fescue—A Shade-Tolerant Turfgrass" with F. V. Juska and A. W. Hovin	Jan. 34
Hovin, A. W., "For Winter Color, Overseed Bermudagrass" with F. V. Juska and A. A. Hanson	Sept. 16
Hovin, A. W., "Kentucky 31 Tall Fescue—A Shade-Tolerant Turfgrass" with F. V. Juska and A. A. Hanson	Jan. 34
Hunter, Bruce M., "Air Pollution Negligible from Burning Wood" (L)	June 18
Imberman, A. A., "Listen . . . Strikes Can Be Avoided"	Sept. 10
Indyk, Henry W., Sod Industry: Outlook — '70	Dec. 10
Jamieson, George L., "Locate Water Supply"	Mar. 8
Johnson, Robert W., "Government Control of Nursery Business & Federal Reserve System" (L)	Oct. 7
Juska, F. V., "For Winter Color, Overseed Bermudagrass" with A. A. Hanson and A. W. Hovin	Sept. 16
Juska, F. V., "Kentucky 31 Tall Fescue—A Shade-Tolerant Turfgrass" with A. A. Hanson and A. W. Hovin	Jan. 34
Kates, A. H., "What Type 2, 4-D To Use?" with J. S. Coartney	July 16
Kern, Dale, "Turf Analysis Test"	Jan. 6
Kill, D. L., "Comparing Mulches—The Long and Short of It" with L. E. Foote	Mar. 12
Kleijn, H., "The Glory of the Tree" with Dr. B. K. Boom (br)	Mar. 31
Kozel, Dr. P. C., "Chemical Pruning Shows Promise"	July 12
Lance, Phil, "Pennsylvanian Finds Sod More Profitable Than Beef"	Sept. 26
Lance, Phil, "Since 1928 . . . Mercer Sod, Inc."	Oct. 26
Lawlor, L. W., "Australian Seeks Aquatometer" (L)	July 9
Lowry, Grier, "Stretch Resources To Place the Park Where the People Are"	Aug. 8
Metsker, Stanley E., "Lubricate or Languish"	June 26
Meyer, William E., "The Care and Feeding of Trees" with Richard C. Murphy (br)	Nov. 11
Morrill, Donald W., "Here's What You Need To Start a Sod Farm"	Aug. 30
Murphy, Richard C., "The Care and Feeding of Trees" with William E. Meyer (br)	Nov. 11
(Nelson, Sen. Gaylord) "Bills Ask DDT Ban; Pesticide Commission" (ns)	Aug. 26
Raplee, Stan G. Jr., Contract Applying: Outlook — '70	Dec. 11
Schery, Dr. Robert W., "Winning Turf Combination: Good Seed, Good Fertilizer, and . . . Dandelion Control"	Sept. 14
Speakman, Tom, "Time Study for Planting Trees" with Harold Davidson	Aug. 18
Speer, Lou, "Massive Tree Transplant"	Jan. 18
Swisher, Bernard E., "Utility Line Clearance . . . Pinning Down Costs"	Nov. 14
Watson, J. R., "The Science of Mowing"	June 22
Weldon, Lyle W., "USDA Technical Report on Controlling Hydrilla Verticillata" with Robert D. Blackburn	Oct. 20
Wunderlich, William E., "Another Way To Kill Cattails" (L)	Sept. 34
Wurster, Dr. Charles, Jr., "DDT: Opponents Call It Danger to Environment; Killer of Many Life Forms; Defenders Say Environment—and Especially People — Endangered without It"	Aug. 22
Upchurch, C. Winn, "Florida's 'Super Forests' Yield Select Seedlings"	Feb. 12
Voorhies, Ken, "Budget Control"	Jan. 25

Insect Report

WTT's compilation of insect problems occurring in turfgrasses, trees, and ornamentals throughout the country.



TURF INSECTS

A FLEA BEETLE

(*Chaetocnema opacula*)

OREGON: Adults collected in Merion bluegrass sample at Central Point, Josephine County. This is a new state record.

SOUTHERN CHINCH BUG

(*Blissis insularis*)

CALIFORNIA: Infested Bermuda and St. Augustine grasses at Sacramento, Sacramento County, for a new county record.

AUSTRALIAN SOD FLY

(*Altermetoponia rubriceps*)

CALIFORNIA: Larvae heavy in lawns and turf in city parks at South San Francisco, San Mateo County.

TWO-LINED SPITTLEBUG

(*Prosapia bicincta*)

ALABAMA: Adults heavy, 1 per 9 square feet of lawn grass in Opelika and Auburn area of Lee County.

INSECTS OF ORNAMENTALS

A JAPANESE WEEVIL

(*Pseudocneorhinus bifasciatus*)

MARYLAND: On honeysuckle at Sudlersville, Queen Annes County, for a new county record.

TREE INSECTS

BAGWORM

(*Thyridopteryx ephemeraeformis*)

WEST VIRGINIA: Heavy on 3-4 acres of white pine in Wirt County. IOWA: Collected at Primghar, O'Brien County, for a new county record.

SOUTHERN PINE BEETLE

(*Dendroctonus frontalis*)

TEXAS: Activity peaked in June with 540 new multiple tree spots in 6-million acre outbreak area. Activity began decrease in early July, reached low of 88 new spots in August, rose to 119 in September. September increase probably due to extra flights, not population increase. Spot size and activity also decreased. All spots 70-80 percent inactive. Utilization, primary control on federal, company, and small holdings throughout area.

TWO-SPOTTED SPIDER MITE

(*Tetranychus urticae*)

CALIFORNIA: Heavy; damaged poplars at Yuba City, Sutter County.

A NOTODONTID MOTH

(*Symmerista albifrons*)

TEXAS: Heavy on oaks at Bryan and College Station, Brazos County.

FALL WEBWORM

(*Hyphantria cunea*)

NEW MEXICO: Light to very heavy on shade trees in Pecos and Mesilla Valleys.



Another Asplundh first... the applicator pole...speeds the action...increases production

For faster year-round applications use Asplundh's inhibitor fortified tree paint with the new applicator pole. It is now packaged in a proven all-weather aerosol can on an extension pole. This extended spray method will greatly increase production compared to the old fashioned brush-on or hand held aerosol spray can, thus further reducing unit cost. So when you are looking for what's new in reliable, economical tree care . . . ASK ASPLUNDH.

**SPECIAL OFFER—FREE APPLICATOR
with every eight cases of tree paint.**

ASPLUNDH

ASPLUNDH TREE EXPERT CO.
505 YORK ROAD, JENKINTOWN, PA. 19046



A Baker-York towable lift and disposal cardboard pallets are the cost-cutting keys to a Michigan sod producer's delivery system. The wood pallet is specially designed for use with cardboard.

From Emerald Valley Turf Nurseries:

How to Cut Sod-Delivery Costs in Half

EMERALD VALLEY Turf Nurseries, Inc., Gregory, Mich., is operating a sod-handling system that has cut delivery handling costs in half while boosting sales through labor-cost savings offered to landscapers.

Using a thin, disposable cardboard pallet and a Baker-York towable lift truck as keys to the system, Emerald Valley feels it has stemmed the rising cost of delivering sod.

As have other sod producers, Emerald Valley watched handling costs from its Cleveland distribution point to the customer skyrocket from $\frac{3}{4}$ of a cent a yard to 2.6 cents a yard in just a few years. Last winter, President Bob Daymon directed that an analytical look be taken at the firm's handling system with a view toward increasing speed and decreasing cost.

Procedure at the time involved field loading of trucks and hand unloading at the job site. Semi-trailers were pulled onto the field by a truck tractor with five drive including two steering axles. These were loaded by a roll conveyor. The conveyor moved freely down the tractor bed as the truck inched forward. Two men stacked the rolls of sod.

At the job site, sod was unloaded by hand. Shipments into the Cleveland area alone of from three to five trucks a day required 10 men for unloading.

Field damage caused by the heavy tractor and loaded trailer was extensive. Releveling was necessary.

It had been apparent that the soil conditions would support volunteer growth if field loading damage could be eliminated. With desirable "volunteer growth" as a frame of reference, Emerald Valley began an investigation of handling systems.

Palletization seemed the only conclusion, but there were drawbacks. With pallets, used in conjunction with high-flotation tire-lifting equipment on the farm, they could eliminate field damage and have "volunteer growth." But handling costs would still be a problem and would increase considerably because retrieving pallets would take a return to the job site with a second truck and two men.

Shipping costs would also be higher because only sixteen pallets could be placed on a trailer and, since the standard 4' x 4' pallet holds only 65-75 yards, shipments of less than the legal load limit would have to be made.

To make palletization pay off in lower costs, the company had to find solutions for:

1. increasing the load size per pallet,