

**WEEDS
TREES
and TURF**

**1973
TURF
PROTECTION
DIRECTORY**



**Pull Out
Section**

Professional management is tied closely with planning and realistic budgets. Whatever your business, it is necessary to plan for the future. This includes detailing what environmental protection chemicals are needed to more completely keep turfgrass and other vegetation free of pests.

It also means keeping abreast of new developments in this ever-expanding field. For these reasons, WEEDS TREES AND TURF Magazine presents this chemical guide for Green Industry managers.

Chemical manufacturers are listed two ways, product groupings and companies manufacturing products within the group, and name of company and products manufactured. Because new products and product lines are constantly changing, omissions of manufacturers and/or products are unavoidable. Your comments and suggestions are invited to help improve future editions.

KEY TO SYMBOLS: Manufacturer (M); Formulator (F); Distributor (D); Grower-Producer (GP).

ALGAECIDES

Applied Biochemists, Inc. (M)
Great Lakes Biochemical Co., Inc. (M)
3M Company (M)
Phelps-Dodge Refining Corp. (M)
Ralston Purina Company (M)

FUNGICIDES

PROTECTANT

J. & L. Adikes, Inc. (F,D)
Agway, Inc. (D)
Chemagro Div. of Baychem Corp. (M)
Chevron Chemical Co. (M)
Diamond Shamrock Chemical Co. (M)
E. I. DuPont de Nemours & Co., Inc. (M)
Elanco Products Company (M)
Elm+R, Inc. (D)
FMC Corporation, Agri. Chem. Div. (M)
Faesy & Besthoff, Inc. (F)
Foamspray Chemicals, Inc. (F,D)
Great Lakes Chemical Corp. (M)
W. A. Cleary Corp. (M)
Mallinckrodt Chemical Works (M)
Merck Chemical Division (M)
Miller Chemical & Fertilizer Corp. (F,D)
Phelps-Dodge Refining Corp. (M)

Rhodia Inc., Chipman Div. (M)
Rockland Chemical Co., Inc. (F)
Rohm-Haas Co. (M)
The O. M. Scott & Sons Co. (F)
Tuco, Div. of Upjohn Co. (M)

SYSTEMIC

Agway, Inc. (D)
E. I. DuPont de Nemours & Co., Inc. (M)
W. A. Cleary Corp. (M)
Mallinckrodt Chemical Works (M)
J. J. Mauget Co. (D)
Lowden (M)
Merck Chemical Division (M)

EROSION CONTROL

American Excelsior (M)
Conwed Corporation (M)
Greenlife Products Co., Inc. (M)
Hydro-Turf (M)
Masonite Corporation (M)
Miracle Bark, Inc. (M)
Premier Peat Moss Corp. (M)
Weyerhaeuser Company (M)

HERBICIDES

ABATEMENT

Amchem Products, Inc. (M)
American Cyanamid Co. (F)
Dow Chemical U.S.A. (M)
E. I. DuPont de Nemours & Co., Inc. (M)
Elanco Products Company (M)
FMC Corporation, Agri. Chem. Div. (M)
Ciba-Geigy Corporation (M)
Mallinckrodt Chemical Works (M)
Monsanto Company (M)
Pennwalt Corporation, Agchem-Decco Div. (M)
Rhodia Inc., Chipman Div. (M)
U. S. Borax & Chemical Corp. (M)
Velsicol Chemical Corporation (M)

BAREGROUND

Amchem Products, Inc. (M)
Asplundh Tree Expert Co. (F)
The R. H. Bogle Company (F)
J. J. Dill Co. (F)
The C. B. Dolge Company (F)
Dow Chemical Company (M)
E. I. DuPont de Nemours & Co., Inc. (M)
Ciba-Geigy Corporation (M)
Nalco Chemical Company (F)
Pennwalt Corporation, Agchem-Decco Div. (M)
U.S. Borax & Chemical Corp. (M)
West Chemical Products, Inc. (F)
Velsicol Chemical Corporation (M)
Occidental Chemical Company (M)

BRUSH

Amchem Products, Inc. (M)
The R.H. Bogle Company (F)
E. I. DuPont de Nemours & Co., Inc. (M)
FMC Corporation, Agri. Chem. Div. (M)
Velsicol Chemical Corporation (M)
Dow Chemical Company (M)
Ciba-Geigy Corporation (M)
PBI Gordon Corporation (F)

CHEMICAL TRIMMING AND PRUNING

The Ansul Company (M)
Chevron Chemical Co. (M)
E. I. DuPont de Nemours & Co., Inc. (M)
FMC Corporation, Agri. Chem. Div. (M)
W. A. Cleary Corp. (F)
Rhodia Inc., Chipman Div. (M)
Stauffer Chemical Co. (M)
Vineland Chemical Company (M)
Monsanto Company (M)
Diamond Shamrock Chemical Co. (M)
Dow Chemical Company (M)

SELECTIVE WEEDING

Amchem Products, Inc. (M)
The Ansul Company (M)
Diamond Shamrock Chemical Co. (M)
J. J. Dill Co. (F)
Dow Chemical U.S.A. (M)
E. I. DuPont de Nemours & Co., Inc. (M)
FMC Corporation, Agri. Chem. Div. (M)
PBI Gordon Corporation (M)
Gulf Oil Chemical Co. (M)
W. A. Cleary Corp. (F)
Ciba-Geigy Corporation (M)
Mallinckrodt Chemical Works (M)
Meinhardt Products Div. (M)
Pennwalt Corporation, Agchem-Decco Div. (M)
Rhodia Inc., Chipman Div. (M)
The O. M. Scott & Sons Co. (F)
Stauffer Chemical Co. (M)
Thompson-Hayward Chemical Co. (M)
Vineland Chemical Co. (M)

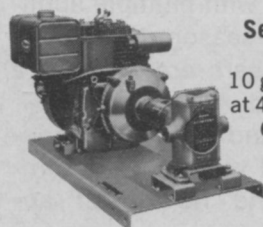
PREEMERGENCE

Agrico Chemical Company (F)
Agway, Inc. (F)
Amchem Products, Inc. (M)
Diamond Shamrock Chemical Co. (M)
Dow Chemical U.S.A. (M)
E. I. Do Pont de Nemours & Co., Inc. (M)
Elanco Products Company
Faesy & Besthoff, Inc. (F)
Hercules, Inc. (M)
Ciba-Geigy Corporation (M)
Mallinckrodt Chemical Works (F)
Masonite Corporation (F)
Miller Chemical & Fertilizer Corp. (F)
Nalco Chemical Co. (F)
Pennwalt Corporation, Agchem-Decco Div. (M)
Ralston Purina Company (F)

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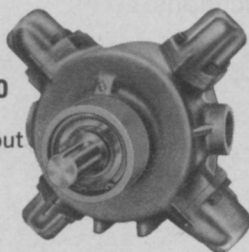
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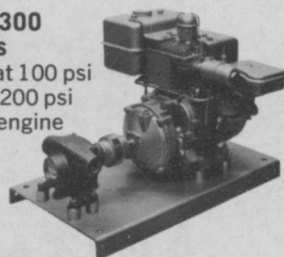
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Stauffer Chemical Co. (M)
Thompson-Hayward Chemical Co. (M)
Tuco, Div. Upjohn Co. (M)

POSTEMERGENCE

The Ansul Company (M)
J. & L. Adikes, Inc. (F)
Agrico Chemical Co. (F)
Agway, Inc. (F)
Amchem Products, Inc. (M)
Diamond Shamrock Chemical Co. (M)
The C. B. Dolge Company (F)
Dow Chemical U.S.A. (M)
E. I. Du Pont de Nemours & Co., Inc. (M)
Elanco Products Company (M)
FMC Corporation, Ag. Chem. Div. (M)
PBI-Gordon Corporation (M)
W. A. Cleary Corp. (F)
Ciba-Geigy Corporation (M)
Mallinckrodt Chemical Works (M)
Meinhardt Products Div. (F)
Miller Chemical & Fertilizer Corp. (F)
Nalco Chemical Co. (F)
Pennwalt Corporation, Agchem-Decco Div. (M)
Ralston Purina Company (F)
Rhodia Inc., Chipman Div. (M)
Rohm-Haas Co. (M)
The O. M. Scott & Sons Co. (F)
Thompson-Hayward Chemical Co. (M)
Velsicol Chemical Corp. (M)
Vineland Chemical Co. (M)
Chevron Chemical Co. (M)

AQUATIC

Amchem Products, Inc. (M)
Aquashade, Inc. (M)
Chevron Chemical Co. (M)
Diamond Shamrock Chemical Co. (M)
Great Lakes Biochemical Co. (M)
3M Company (M)
Pennwalt Corporation, Agchem-Decco Div. (M)
Ralston Purina Company (M)

FERTILIZER

FAST RELEASE

Agrico Chemical Company (M)
Agway, Inc. (M)
Ferti-Feeder, Inc. (F)
Greenlife Products Co., Inc. (F)
Hydro Turf (F)
International Spike, Inc. (F)
J. J. Mauget Co. (F)
Miller Chemical & Fertilizer Corp. (M)
Plant Marvel Laboratories (M)
Premier Peat Moss Corp. (F)
The O. M. Scott & Sons Co. (M)
Sierra Chemical Co. (M)
Sudbury Laboratory, Inc. (F)
USS Agri-Chemicals (M)
Vistron Corporation (M)

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The R. H. Bogle Co. (F)
E. I. Du Pont de Nemours & Co., Inc. (M)
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Hercules, Inc. (M)
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Ra-Pid Gro Corp. (F)
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S & D Products, Inc. (F)
The O. M. Scott & Sons Co. (F)
Sewerage Commission of the City of Milwaukee (M)
Sierra Chemical Co. (F)
Water-In, Inc. (F)
Swift Chemical Company (M)

ORGANIC NITROGEN

Milwaukee Sewerage Commission (M)

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American Cyanamid Co. (M)
Dow Chemical U.S.A. (M)
Ferguson Fumigants, Inc. (M)
Great Lakes Chemical Corp. (M)
Shell Chemical Co. (M)
Stauffer Chemical Co. (M)

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Amchem Products, Inc. (M)
Asplundh Tree Expert Co. (M)
Colloidal Products Corp. (M)
Merck Chemical Division (M)
Uniroyal Chemical, Div. Uniroyal, Inc. (M)
U.S. Borax & Chemical Corp. (M)

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The Ansul Company (M)
U.S. Borax & Chemical Co. (M)
Mallinckrodt Chemical Works (F)

INSECTICIDES

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Abbott Laboratories, Inc. (M)
Sandoz-Wander, Inc. (M)
Thompson-Hayward Chemical Co. (M)

VIRUS

Sandoz-Wander, Inc. (M)

WEEDS TREES and TURF

CONTACT

Gabriel Chemicals Ltd. (F)
Foamspray Chemicals, Inc. (F)
S. B. Penick & Co. (F)
Prentiss Drug & Chem. Co., Inc. (F)
Shell Chemical Co. (M)
Union Carbide Corp. (M)

PROTECTIVE

J. & L. Adikes, Inc. (F)
Agrico Chemical Company (F)
Agway, Inc. (F)
American Cyanamid Co. (M)
Chemagro Div. of Baychem Corp. (M)
Chevron Chemical Co. (M)
The C. B. Dolge Co. (F)

Dow Chemical U.S.A. (M)
Elanco Products Company (M)
FMC Corporation, Agri. Chem. Div. (M)
Faesy & Besthoff, Inc. (F)
Foamspray Chemicals, Inc. (F)
Gabriel Chemicals Ltd. (F)
Lethlin Products Co., Inc. (F)
Ciba-Geigy Corporation (M)
J. J. Mauget Co. (F)
Miller Chemical & Fertilizer Corp. (F)
Prentiss Drug & Chem. Co., Inc. (M)
Ralston Purina Company (F)
Redwood Chemical, Inc. (F)
Rockland Chemical Co., Inc. (F)
The O. M. Scott & Sons Co. (F)
Shell Chemical Co. (M)

Stauffer Chemical Co. (M)
Thompson-Hayward Chemical Co. (M)
Tuco, Div. Upjohn Co. (M)
Union Carbide Corp. (M)
Uniroyal Chemical,
Div. Uniroyal, Inc. (M)
USS Agri-Chemicals (F)
Velsicol Chemical Corp. (M)
Winru Chemical & Sales Co. (F)

MITICIDES

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Chevron Chemical Co. (M)
FMC Corporation, Agri. Chem. Div. (M)
Ciba-Geigy Corporation (M)
Rohm-Haas Co. (M)

NEMATICIDES

Chemagro Div. of Baychem Corp. (M)
Great Lakes Chem. Corp. (M)
Ciba-Geigy Corporation (M)
Occidental Chemical Company (M)
Shell Chemical Company (M)

RODENTICIDES

American Cyanamid Co. (M)
Prentiss Drug & Chem. Co., Inc. (M)

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Agricultural Alumni Seed
Improvement Assn., Inc. (GP)
E. F. Burlingham & Sons (GP)
Cowbell Seeds (GP)
Ferry-Morse Seed Co. (GP)
Jacklin Seed Co.,
Div. Vaughan-Jacklin Corp. (GP)
Lofts Pedigreed Seed, Inc. (GP)
Merion Bluegrass Association (GP)
Nugget (Pickseed West) (GP)
Twin City Seed (GP)
Warren's Turf Nursery (GP)
Rudy Patrick (GP)
Northrup King (GP)

BENTGRASS

Melthor Industries, Inc. (GP)
Rudy Patrick (GP)
Loft's Pedigreed Seed, Inc. (GP)
Jacklin Seed Co.,
Div. Vaughan-Jacklin Corp. (GP)

FESCUE

Cowbell Seeds (GP)
Oregon Chewings and
Creeping Red Fescue Comm. (GP)
Rudy Patrick (GP)

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OPEN THE WAY TO A PROPER WEED-FREE
POND ENVIRONMENT WITH

HYDROTHOL 47[®]

Without proper control,
waterweeds and algae can:

1. Restrict or clog irrigation equipment.
2. Reduce water holding capacity of the pond.
3. Create an imbalance in fish population.
4. Limit swimming enjoyment.
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Hydrothol 47 controls many weeds and algae. It provides the proper balance to assure maximum use of this important resource. It helps reduce maintenance, lowers operating costs, increases efficiency and improves the aesthetic value of the pond.

Hydrothol 47 is easy to apply. It is effective, fast acting and biodegradable. It does not accumulate in fish or build up in water or on lake bottoms. It controls most algae, including Chara.

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Jacklin Seed Co.,
Div. Vaughan-Jacklin Corp. (GP)
Lofts Pedigreed Seed, Inc. (GP)
Warren's Turf Nursery (GP)

RYEGRASS

J. & L. Adikes, Inc. (GP)
Cowbell Seeds (GP)
Manhattan Ryegrass Growers Assoc. (GP)
Rudy Patrick (GP)
Northrup King (GP)
Loft's Pedigreed Seed, Inc. (GP)
Jacklin Seed Co.,
Div. Vaughan-Jacklin Corp. (GP)

CROWN VETCH

Grasslyn, Inc. (GP)
Plants for You (GP)
Stanford Seed Co. (GP)

SURFACE ACTIVE AGENTS

ADJUVANTS

Colloidal Products Corp. (M)
Foamspray Chemicals, Inc. (M)
Loveland Ind., Inc. (M)
Rohm-Haas Co. (M)
Stull Chemical Co. (M)

INVERT EMULSION ADJUVANTS

Amchem Products, Inc. (M)
KDM Company (M)
Stull Chemical Co. (M)

ANTI-TRANSPIRANTS

Aquatrols Corp. of America (M)
W. A. Cleary Corp. (M)
Miller Chemical & Fertilizer Corp. (M)
Nursery Specialty Products (M)

EMULSIFIERS

Aquatrols Corp. of America (M)
ICI America, Inc.,
Atlas Chemical Div. (M)
KDM Company (M)

SPREADER STICKER

Aquatrols Corp. of America (M)
ICI America, Inc.,
Atlas Chemical Div. (M)
Colloidal Products Corp. (M)
E. I. Du Pont de Nemours & Co., Inc. (M)
Miller Chemical & Fertilizer Corp. (M)
Rohm-Haas Co. (M)
Thompson-Hayward Chemical Co. (M)
Dow Chemical Company (M)

STABILIZERS

Colloidal Products Corp. (M)

WETTING AGENTS

Aquatrols Corp. of America (M)
Colloidal Products Corp. (M)
W. A. Cleary Corp. (M)

Parco Div., National Foam System, Inc. (M)
Water-In, Inc. (M)

PRESERVATIVES

Merck & co., Inc. (M)

SOIL CONDITIONERS

American Bioculture, Inc.,
Bio-Turf Division (M)
BASF Wyandotte Corp. (M)
The C. B. Dolge Company (M)
Greenlife Products Company (M)
Johns-Manville Corp. (M)
Masonite Corporation (M)
Miracle Bark, Inc. (M)
Dil-Dri Corporation (M)
U. S. Gypsum (M)
Water-In, Inc. (M)
Zonolite, W. R. Grace & Co. (M)

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Diamond Shamrock Chemical Co. (M)
Dow Chemical U.S.A. (M)
Great Lakes Chemical Corp. (M)

CARRIERS

CLAY

Floridin Company (M)

SUSPENDING AGENTS

Loveland Industries, Inc. (M)

TRACE ELEMENTS

Creative Sales (F)
W. A. Cleary Corp. (M)
J. J. Mauget Co. (F)
U. S. Borax & Chemical Corp. (M)

MISCELLANEOUS COMPOUNDS

DETERGENT CLEANER

The C. B. Dolge Co. (M)

SOIL, POTTING

Premier Peat Moss Corp. (M)

TREE KILLERS

Dow Chemical U.S.A. (M)
Rhodia Inc., Chipman Div. (M)

TREE PAINT

Asplundh Tree Expert Co. (M)
Samuel Cabot, Inc. (M)
U. S. Borax & Chemical, Inc. (M)

TURF COLORING COMPOUNDS

The C. B. Dolge Co. (M)
The Gregg Co. (M)
W. A. Cleary Corp. (M)
Mallinckrodt Chemical Works (M)
Virginia Chemicals, Inc. (M)

ALPHABETICAL LISTING OF SUPPLIERS

WEEDS TREES and TURF Advertisers Listed In Boldface Type

A

Abbott Laboratories, Abbott Park, North Chicago, Ill. 60064
Dipel, *Bacillus thuringiensis*, insecticide, biological, selectively controls, lepidoptera insect larvae

J. & L. Adikes, Inc., 182-12 93rd Ave., Jamaica, New York 11423

Gro-Well®, insecticides, herbicides, fungicides, (Liq., Wp, and Gran.)

Fertilizer

Adelphi Kentucky Bluegrass, seed

NK-100 Perennial Ryegrass, seed

NK-200, seed

Agrico Chemical Company, P.O. Box 3493, Tulsa, Oklahoma 74101

Country Club fertilizers and weed or insect control products for turfgrass and gardens

Agricultural Alumni Seed Improvement Association, Inc., P.O. Box 158, Romney, Ind. 47981

Sodco, Kentucky bluegrass seed

Agway Inc., P.O. Box 1333, Syracuse, N.Y. 13201

Port A Bin, bulk handling of fertilizer at location

Fertilizer

Environmental protection chemicals, herbicides, insecticides, fungicides

Achem Products, Inc., Brookside Avenue, Ambler, Penn. 19002

Amitrol-T amitrole, herbicide, postemergent

Amizine™ amitrole + simazine, herbicide, postemergent

Brominal bromoxynil, herbicide, postemergent

Emulsamine® E3 (oil soluble amine 2, 4-D), herbicide, postemergent

Fenac, herbicide, bareground

Fenavar® liquid and granular, herbicide, bareground

Weedar® (amine, 2, 4-D), herbicide, postemergent

Weedazol amitrole, herbicide, postemergent

Weedone® LV4 (ester 2, 4-D), herbicide, postemergent

Weedone 2, 4, 5-T, herbicide, postemergent, woodplants

Weedone 170 2, 4-D + 2, 4-DP ester, herbicide, postemergent, woody plants

Weedone 638 2, 4-D, herbicide, postemergent, broadleaf

Weedone 2,4,5-TP (Silvex), herbicide, postemergent

Super D Weedone, herbicide, postemergent, lawns

Super D Weedone, herbicide, postemergent, foam

3D Weedone, herbicide, postemergent, turf weeds

Nu-Lawn™, herbicide, postemergent, broadleaf

Weedone, herbicide, preemergence crabgrass control

Aqua-Kleen® 2,4-D Granular, herbicide, aquatic, postemergent

Lo-Drift™, Spray additive

Lo-Scent, odor inhibitor

Tre-Hold®, sprout inhibitor

Oramental Weeder (granular), herbicide, preemergent

American Bioculture Inc., Bio-Turf Division, P.O. Box 424,

Glen Head, L.I., New York 11545

Bio-Turf, soil conditioner, bio-chemical 100% organic flocculating agent

American Cyanamid Co., Agricultural Div., P.O. Box 400, Princeton, N.J.

Abate® 4E, insecticide, mosquito larvae

Amino Triazole Weed killer, herbicide, abatement

Cyanogas®, fumigant, rodenticide

Cygon®, insecticide

Malathion ULV concentrate, insecticide

Thimet® phorate, insecticide, liquid

American Excelsior Company, P.O. Box 5067, Arlington, Texas 76011

Curlex™ Blanket, permanent vegetative cover, seeded areas, retains moisture, maintain temperature, provide shade

The Ansul Company, 3385 Airways Blvd., Memphis, Tenn. 38116

Ansar 529HC (MSMA), herbicide selective contact

Phytar 560 (Cacodylic Acid), herbicide non-selective contact

Retard (Maleic Hydrazide), growth retardant

Applied Biochemists, Inc., 5300 W. County Line Rd., Mequon, Wis. 53092

Cutrine®, algaecide for potable water reservoirs; farm, fish and fire ponds; lakes; fish hatcheries

Cutrine® Granular, algaecide for specific control of chara in potable water reservoirs; farm, fish and fire ponds; lakes; fish hatcheries

Swimtrine®, algaecide for swimming pools

Aquashade, Inc., Box 117, Dobbs Ferry, New York 10522
Aquashade, aquatic growth control

Aquatrols Corp. of America, P.O. Box 385, Delair, N.J. 08110

Aqua-Gro (technical), granular, Aqua-T, blended soil wetting agent for improved wetting and penetration

Stoma-Seal, anti-transpirant, reduce wilt

Aqua-GRO (100% liquid), Aqua-T (100% liquid), Aqua-GRO Granular (20% active on vermiculite), blended soil

wetting agents for improved wetting, penetration, and drainage

Asplundh Tree Expert Co., 50 East Hamilton St., Chalfont, Pa.

Sprout Gard, tree dressing inhibitor

Weed and grass killer, herbicide, bareground

Atlas Chemical Industries, Division of ICI America, Wilmington, Delaware

Atlox®, emulsifier, non-ionic and anionic-nonionic

Atplus®, surfactant, non-ionic

Atmul®, surfactant, non-ionic

Gro-Safe® activated charcoal, a soil amendment for reducing effects of organic pesticides

B

BASF Wyandotte Corporation, 1609 Biddle Ave., Wyandotte, Michigan 48193

Turface, soil amendment

The R. H. Bogle Company, P.O. Box 588, Alexandria, Virginia 22313

Bo-Rid, herbicide (bareground)

Aceto Diuron, herbicide (bareground)

Aceto Dalapon, herbicide (bareground)

Bromacil herbicides, herbicide (bareground)

Bo-Rid Granulars, herbicide (bareground)

Bo-Rid K.O. Phenoxies, herbicide weed and brush

Bo-Rid SRC, herbicides (slow release)

Aceto, herbicides (bareground)

E. F. Burlingham & Sons, P.O. Box 217, Forest Grove, Oregon 97116

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dependability
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producers of bluegrass and
other grasses, a name synony-
mous with quality, perform-
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JACKLIN PRODUCES:
Merion Kentucky bluegrass
0217® Brand Fylking
Kentucky bluegrass
Nugget Kentucky bluegrass
S-21 Kentucky bluegrass
Newport Kentucky bluegrass
Delta Kentucky bluegrass
Geary Kentucky bluegrass
Park Kentucky bluegrass
Six Kentucky bluegrass
Troy Kentucky bluegrass
Norlea Perennial ryegrass
Public and private varieties of
Creeping Red, Chewings & Hard fescues.
And has produced on a contract basis:
Pennfine Perennial ryegrass
N.K. 100 Perennial ryegrass
N.K. 200 Perennial ryegrass
Pelo Perennial ryegrass
For these quality Jacklin seeds see your
local wholesale seed distributor. Jacklin is
also a prime* contract producer of:
Warren's A-34 Kentucky bluegrass
O.M. Scott's Windsor Kentucky bluegrass
Adelphi Kentucky bluegrass

Jacklin has built a reputation for fine
quality and service over 30 years. You
can count on purity of content, high
quality and sure germination.

*Available only through breeder and owner outlets.

Jacklin® Seed Company

Division of the Vaughan-Jacklin Corporation

Bonnieblue Kentucky Bluegrass, seed

C

Samuel Cabot, Inc., One Union St., Boston, Mass. 02108
Tree healing paint, heals tree wounds, stops rot, prevents
sap evaporation

Chemagro Division of Baychem Corp., P.O. Box 4913,
Hawthorn Rd., Kansas City, Missouri 64120

Dyrene®, fungicide
Baygon® 70% WP, insecticide
Dasanit® 15G and SC, nematicide
Dylox® 80% WP and LS, insecticide
Guthion® WP and SC, insecticide
Dexon®, fungicide
Baytex®, insecticide
Di-Syston®, insecticide
Metasystox®-R, insecticide
Entex®, insecticide

Chevron Chemical Co., 200 Bush St., San Francisco, Calif.
94120

Monitor 4 dimethyl phosphoramidothioate, insecticide
Dibrom 8 EC naled, insecticide
Diquat diquat dibromide, herbicide, aquatic
Paraquat CL paraquat dichloride, herbicide, contact
Difolatan 4 flowable (difolatan), fungicide, broad spec-
trum
Isotox, insecticide
Orthocide (captan products), fungicide, broad spectrum
Volik Supreme (oil), insecticide, miticide

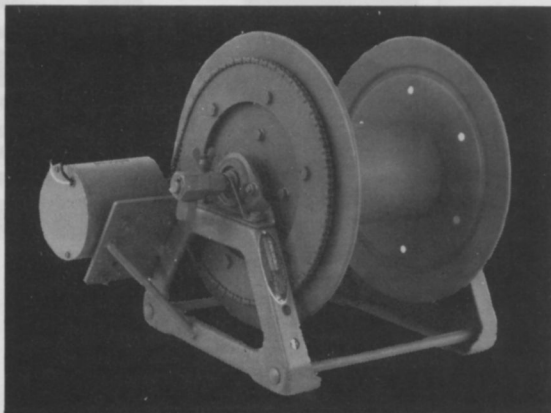
Ciba-Geigy Corporation, Saw Mill River Road, Ardsley, N.Y.
10502

AAtrex® 80W, atrazine, herbicide, turf for sod produc-
tion, noncrop land, pre- and postemergence
Atratol® 8P, atrazine, sodium chlorate, sodium
metaborate, herbicide, nonselective, bareground, pre- and
postemergence
Atratol® 80W, atrazine, herbicide, nonselective,
bareground, pre- and postemergence
Diazinon®, diazinon, insecticide, lawns, ornamentals
Pramitol® 5PS, prometone, simazine, sodium chlorate,
sodium metaborate, herbicide, bareground, noncrop
land, pre- or postemergence
Pramitol® 25E, prometone, herbicide, bareground, non-
crop land, pre- or postemergence
Princep® 4G, simazine, herbicide, nurseries, Christmas
tree plantings, shelter belts; nonselective for noncrop
land, preemergence
Princep® 80W, simazine, herbicide, grasses grown for seed
(Pacific N.W.); nurseries, turf trass for sod; nonselective
for noncrop land, preemergence
Sarolex®, Diazinon, nematicide, insecticide, turf
Sequestrene®, chelated micronutrients, ornamentals, turf

W. A. Cleary Corp., P.O. Box 10, 1049 Somerset St., Somer-
set, N.J. 08873

Cleary's 3336™, fungicide, systemic
Bromosan™, fungicide
PMAS 10%, fungicide and herbicide
Caddy, fungicide, protectant
Spotrete, fungicide
Cad-Trete, fungicide
MCP + 2,4-D, herbicide, postemergent
Methar 30 and 80 (DMSA), herbicide, contact 30% and
80%
Super Methar, herbicide
Cleary's AMA + 2,4-D, herbicide, selective,
postemergent
Tru-Green, trace element, liquid chelating agent
Greenzit, colorant (turf and tree)
Allwet, wetting agent, non-ionic
Clearspray, anti-transpirant

REELS to handle your spray hose



To handle hose faster and more efficiently for spraying pesticides, liquid fertilizers and other chemical products, specify Hannay reels. Available with air or electric powered rewind motors for fast, controlled rewinding of all hose lengths.

SEND FOR CATALOG NO. H-6612-ID



CLIFFORD B. HANNAY & SON, INC., WESTERLO, NEW YORK 12193

For More Details Circle (117) on Reply Card

CLEARY PRODUCTS for BETTER TURF

3336 TURF FUNGICIDE — A broad spectrum systemic fungicide that prevents and controls all 6 major turf diseases. Non-toxic, non-mercurial.

BROMOSAN TURF FUNGICIDE — The newest broad spectrum systemic fungicide for those persistent problem areas or areas that have gotten out of hand.

CADDY — Economical Liquid Cadmium Fungicide.

PMAS (10%) — Crabgrass and Disease Control.

SPOTRETE — 75% Thiram Fungicide.

CLEARY'S GRANULAR TURF FUNGICIDE — For snow-mold, spring and summer diseases.

CAD-TRETE — Broad spectrum fungicide containing Thiram and Cadmium.

MCPP — Control of chickweed, knotweed, clover on bentgrass greens and fairways, bluegrass and fescues.

MCPP-2,4-D — Controls chickweed, knotweed, dock, dandelion, plantain, ragweed, pigweed, etc.

METHAR 80 — Controls Dallisgrass and crabgrass. Water soluble.

METHAR 30 — A super crabgrass killer.

AMA PLUS 2,4-D — Control of Dallisgrass, silver crabgrass, plantain, dandelion, knotweed, chickweed, and other broad-leaf weeds.

AMA (SUPER METHAR) — The new "AMA" liquid crabgrass killer.

ALL-WET — Added to water, it allows quicker and deeper penetration...enables soil to retain needed moisture.

CLEAR-SPRAY — Liquid Hygrostatic Sticker to protect against wilt and winter kill.

TRU-GREEN — Liquid Chelating agent.

GRASS-GREENZIT — Permanent green pigment, restores green color to dormant or discolored grass. Not a dye.

W-A-CLEARY CORPORATION P. O. Box 10 Somerset, N. J. 08873

Colloidal Products Corporation, P.O. Box 621, Petaluma, Calif. 94952

Bio-Film®, spreader, sticker

Buffer-X®, spreader, activator, buffer

Compex®, compatibility agent for liquid fertilizers
Fomex®, foaming spray adjuvant and spreaderactivator for herbicide sprays

Multi-Film L, water dispersible spreader-activator

Multi-Film X-77, non-ionic spreader-activator

Nu-Trex, spreader-nutrient-buffer

Regulaid, spreader-activator for growth regulator sprays

Solvaid, spreader-stabilizer for oil sprays

Tronic, spreader-activator

Conwed Corporation, 2200 Highcrest Road, St. Paul, Minnesota 55113

Conwed Mulch, fiber mulch

Conwed Netting, erosion control netting

Conwed Protection Blanket, turf protection blanket

Hydro-Mulch Fiber, mulch fibers

Cowbell Seeds, 380 North US-23, Brighton, Michigan 48116
Merion, Fyking, Baron, Nugget Kentucky Bluegrass;
Winter Green Chewings Fescue; Norlea perennial Ryegrass; seeds

Creative Sales, Inc., 200 South Main, Fremont, Nebraska 68025

Medicaps® tree systems, systemic trunk implants (trees)

D

Diamond Shamrock Chemical Company, Agricultural Chemicals Division, 1100 Superior Avenue, Cleveland, Ohio 44114

Dacamine® herbicide

Dacthal® herbicide

DSMA herbicide

Daconate® herbicide

2,4-D herbicide

2,4,5-T herbicide

Silvex® 2,4-D, herbicide

2,4-D granules, herbicide

Aqua 2,4-D granules, herbicide

Daconil 2787®, fungicide

J. J. Dill Co., P.O. Box 788, Kalamazoo, Mich. 49005

D-Lete, herbicide, bareground, liquid and granular

Kleen Turf, herbicide, selective, broad-leaved plants

The C. B. Dolge Company, 11 Ferry Lane West, Westport, Connecticut 06880

Tote-Weed Killer, herbicide, bareground

Penetrate, soil conditioner

Lake Dye, non toxic dye for water

Solexto, insecticide, turf

EWT Plus, herbicide, selective MCPP plus 2,4-D

Boost, solvent detergent cleaner

Dow Chemical USA, P.O. Box 1706, Midland, Michigan 48640

Formula 40, herbicide

DMA-40, herbicide

Dowpon®, herbicide, non-selective

Dowfume® MC-2, fumigant

Dursban® 2E, insecticide

Fumazone® 86, fumigant

Zectran® 2E, insecticide

Dow General Weed Killer, herbicide

Esteron®, herbicide

Kuron®, herbicide

Premerge®, herbicide

E. I. Du Pont de Nemours & Co., Inc., 1007 Market St., Wilmington, Del. 19898

Hyvar® X bromacil weed killer, Hyvar® X-L, (liquid) bareground

(continued on page RR)



A common sprinkling can is the only tool needed to apply Diagnostic Aid. The pyrethrin compound is packaged in two-ounce containers, for use at 1/2 to 1 capful per gallon of water.



The mixture is applied to one square yard of turf or lawn. Applications should be made on two or three similar areas per 5,000 square feet of turf. Sensitive insects emerge within 10 minutes after application.

DIAGNOSTIC AID FOR TURF

Clever New Irritant Aids In Pest Analysis

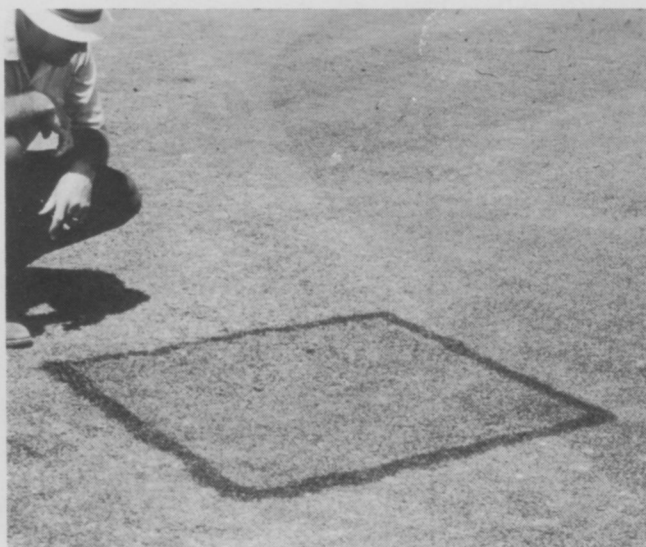
A NEW development in turf insect control makes it possible to tailor control measures toward the particular insect species present.

Diagnostic Aid, recently introduced by Tuco, Division of the Upjohn Company, received Environmental Protection Agency approval for use as an aid in detecting insects earlier this year. Not an insecticide, but an irritant, application of the chemical causes sensitive species of insects to emerge from the soil.

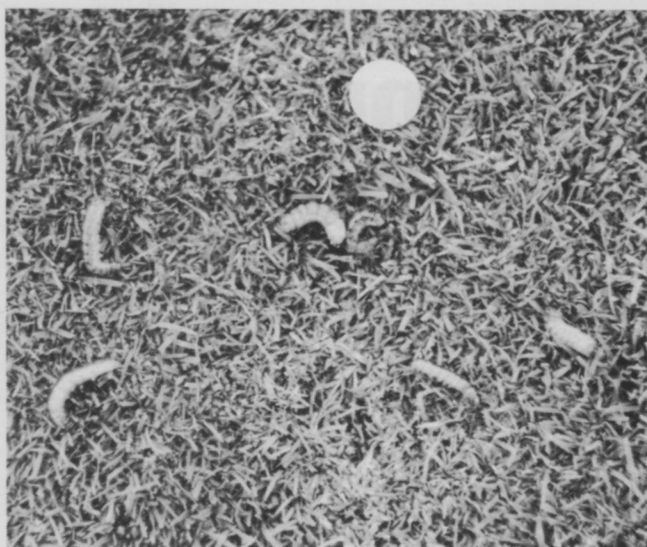
"This before and after treatment of Diagnostic Aid should greatly reduce the need for wholesale application of everything in the spraying arsenal just to make sure all possible pests are killed," says Dr. Price Parham, a Tuco researcher. "A new era of programmed turf is now practical."

The ultimate results of such a program should be more economical insect control, fewer total insecticides applied, and less potential risk to the environment.

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



Larvae of cutworms and sod webworms respond almost immediately to the treatment, Tuco researchers say, and earthworms can also be detected. After learning exactly what insect species are present, the turf manager can determine whether control measures are justified and, if so, what measures to use.



Tuco's Proxol 80SP trichlorfon insecticide is sold in conjunction with Diagnostic Aid for use if more than one cutworm or sod webworm larvae are detected per square yard of turf. After the use of Proxol, an application of Diagnostic Aid will enable the user to assess the results of the insecticide.

Krovar® I, weed killer, bareground
Karmex® diuron weed killer, bareground, preemergence
Ammate® X weed and brush killer, contact
Tersan® LSR, turf fungicide
Tersan® 1991, turf fungicide
Tersan® SP, turf fungicide
Tersan® 75 Turf Fungicide, thiram fungicide
Benlate® benomyl fungicide, fungicide, Dutch Elm disease aid
Tupersan® siduron, herbicide, preemergent, for crabgrass

E

Elanco Products Company, P.O. Box 1750, Indianapolis, Indiana 46206

Balan® benefin, herbicide, preemergent
Treflan® trifluralin, herbicide, preemergent
Dymid® diphenamid, herbicide, preemergent, liquid and granular
Parnon®, fungicide
Pipron®, fungicide, liquid concentrate
Arest®, growth regulator

Elm-R, Inc., Muscatine, Iowa 52761

Freers Elm Arrester, environmental protection chemical

F

FMC Corporation, Agricultural Chemical Division, 100 Niagara St., Middleport, New York 14105

Tandex® Karbutilate, herbicide, postemergent, bareground
DNBP, insecticide
Lead arsenate, insecticide
Dalapon, herbicide
Dichlone, fungicide
Systox, insecticide
Tedion® tetradifon, miticide
Arsenical compounds, insecticide
DNOC, fungicide
Endosulfan, Thiodan®, insecticide
Guthion Azinphosmethyl, insecticide
Lindane, insecticide
Methyl Parathion, insecticide
Oils, insecticide, dormant and summer
Parathion, insecticide
Phorate Thimet, insecticide
Pyrethrins, insecticide
Pyrenone®, Synergized Pyrethrins, insecticide
Sevin carbaryl, insecticide
Sinox®, herbicide
Copper Sulfate, tri-basic, fungicide
Cyprex, fungicide
Ferbam, fungicide
Maneb, fungicide
Polyram®, fungicide
Sulfur, fungicide
Synthrin® resmethrin, insecticide
Tetralate® resmethrin + Neo Pynamin, insecticide
Thiram, fungicide
Zineb, fungicide
Ziram, fungicide

Faesly & Besthoff, Inc., 143 River Road, Edgewater, N. J. 07020

F & B Lawn & Turf Fungicide, granular, combo of Dyrene and maneb
F & B Aspon Chlordane, insecticide, broad spectrum granular and sprayable
F & B Eptam 2.3, herbicide, granular, preemergent
F & B Sevin carbaryl, insecticide, granular, flowable, dust and wettable powder for mulations

Ferguson Fumigants, Inc., 93 Ford Lane, Hazelwood, Missouri 63042

Zytox Gelled Soil Fumigant, gelled methylbromide

Ferry-Morse Seed Co., P.O. Box 100, 111 Ferry-Morse Way, Mountain View, California 94040

Turf and Lawn Seeds

Ferti-Feeder, Inc., 2419 Easton Blvd., Des Moines, Iowa 50317

Ferti-Feed, tree food (localized food formulations)
Ferti-Sulf, soil ph adjustment
Ferti-Iron, iron chlorosis treatment

Floridin Company, 3 Penn Center, Pittsburgh, Pa. 15235

Florex attapulgit, granular clay carrier
Diluex attapulgit, powdered clay carrier
Min-U- Gel 200 attapulgit, suspending clay for fluid fertilizer

Foamspray Chemicals Inc., 10414 Harry Hines Boulevard, Dallas, Texas 75220

Foamspray®, foaming adjuvant, nozzle loan program, spraying nozzles and handguns
OD 4 Liquid Humus, growth aid
Microtil Soil Conditioner, growth aid
Infilaid soil penetrant, soil penetrant
Captan flowable, fungicide protectant
Imidan Emulsifiable, insecticide
Heptachlor 10 Granular, insecticide
Malathion 57%, insecticide
Toxaphene 10 Granular, insecticide
Chlordane 72%, insecticide
Sevin liquid, insecticide
Zectran 2E, insecticide

G

Gabriel Chemicals Ltd., 60 E. 42nd St., New York, N.Y. 10017

Gabriel Malathion, insecticide, liquid and WP
Gabriel Pyrethrum, insecticide, extracts and powders
Swingfog SN-10, insecticide fogger

PBI-Gordon Corporation, 300 South Third St., Kansas City, Kansas 66118

Trimec Fairway herbicide, herbicide, postemergence
Trimec Bentgrass herbicide, herbicide, postemergence
Trimec St. Augustine Herb., herbicide, postemergence
Trimec Dandelion and Chickweed herbicide, herbicide, postemergence

Grasslyn, Inc., 641 Pine Grove Rd., State College, Pa. 16801
Penngift crownvetch seed and crowns, seed

Great Lakes Biochemical Co., 6120 West Douglas Ave., Milwaukee, Wisconsin 53218

Algimycin PLL-C, controls growth of algae in ponds, lakes and lagoons
Algimycin PLL, controls growth of algae in small ponds and fountains
Algimycin GLB-X, controls growth of algae in decorative fountains and ornamental ponds
ERE, evaporation retardant for trees and turf and for use in transplanting.
Algae Shock, granular algicide, kills and prevents regrowth of algae in swimming pools.
Algimycin tabs, tableted algicide, kills and prevents regrowth of algae in swimming pools
Algimycin "aba", liquid algicide, kills and prevents regrowth of algae in swimming pools
Filter-Cleanse, filter cleaner for use in and around swimming pools
Squa-Sol, stain protection for use in and around swimming pools
TLC, tile, liner and chrome cleaner for use in and around swimming pools
Hypo-Clean, prevents clogged feeder lines for use in and around swimming pools

Great Lakes Chemical Corporation, P.O. Box 2200, Hwy. 52
N.W., West Lafayette, Indiana 47906

Brom-O-Sol, soil fungicide
Brom-O-Gas, soil fumigant
Soilbrom 40, nematocide
Soilbrom 85, nematocide
Soilbrom 90 E.C., nematocide
Chlor-O-Pic, insecticide fumigant
Terr-O-Cide 15, soil fumigant, multipurpose
Terr-O-Cide 15-D, soil fumigant, multipurpose
Terr-O-Cide 30, soil fumigant, multipurpose
Terr-O-Cide 30-D, soil fumigant, multipurpose
Terr-O-Gel 67, soil fumigant, controlled release

Greenlife Products Company, Inc., P.O. Box 72, West Point,
Virginia 23181

Pine bark soil conditioner, soil amendment
Pine bark mulch, for weed retarding, moisture holding,
weather protection and soil improvement
Pine bark Deco nuggets, decorative bark
Cow manure, fertilizer 2-1-2
Top soil, soil improvement
Peat humus, soil improvement
Cyress Bark
Shredded Hardwood Bark
Western Decorative Bark

The Gregg Co., 1714 Bannard St., P.O. Box 149, Riverton,
New Jersey 08077

Nu-Type Green Lawn Spray, latex emulsion, grass
colorant concentrate for dormant grass

Gulf Oil Chemicals Co., 9009 West 67th Street, Merriam,
Kansas 66202

Carbine® barban, herbicide

Topcide®, herbicide
Outfox®, herbicide
Prefox™, herbicide

H

Hercules Incorporated, 910 Market St., Wilmington, Delaware
19899

Nitroform®, fertilizer, slow-release ureaform
Powder Blue™, fertilizer, sprayable slow-release ureaform
Blue Chip®, fertilizer, slow-release ureaform for dry
application
Azak®, herbicide, preemergence for crabgrass

Hydro-Turf, P.O. Box 3, Elk Grove, Ill. 60007
Fertilizer
Erosion Control Chemicals

I

International Minerals & Chemical Corp., IMC Plaza, Liberty-
ville, Illinois 60048

Sul-Po-Mag, fertilizer (natural form of sulphate of
potash, magnesium and sulphur)

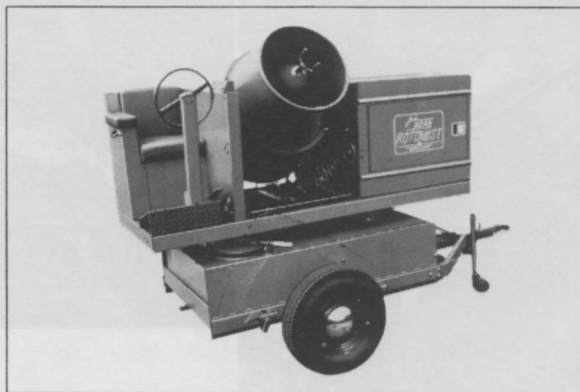
International Spike, Inc., 462 East High Street, Lexington,
Ky. 40508

Jobe's Tree Food Spikes, 16-8-8 fertilizer

J

Jacklin Seed Co., Division Vaughan-Jacklin Corporation, E.
8803 Sprague Ave., Spokane, Washington 99213

Fylking Kentucky Bluegrass, turfgrass seeds
Merion Kentucky Bluegrass, turfgrass seeds
15 other Turfgrass Varieties, turfgrass seeds



Get the tops in shade tree spraying

John Bean ROTOMIST sprayers have the power to put protection where it's needed most—in the tops of the trees. Straight-through air delivery, unrestricted by elbows, angled air passages or deflectors, breaks up droplets for uniform deposit of chemicals and carries them throughout the tree for full coverage, economically and fast. □ ROTOMIST sprayers are available in

four basic models for all kinds of spraying jobs from trees and shrubs to mosquito and fly control, weed and brush spraying, windrowing leaves, spraying livestock, zoos and other areas where pesticides are needed. Find out how to save from 50 to 75% on equipment and labor with multi-purpose ROTOMIST. Ask your John Bean dealer now.



AGRICULTURAL EQUIPMENT

JOHN BEAN

DIVISION

Jonesboro, Ark.—Ocoee, Fla.—San Jose, Calif.

K

KDM Co., P.O. Box 6814, San Antonio, Texas 78209
Spra-Mate emulsifier, application adjuvant for invert emulsions

L

Lawn Medic Inc., 1024 Sibley Tower Bldg., Rochester, N.Y. 14604

Total Organic, fertilizer, 38% urea-formaldehyde
Soil Nutrient, fertilizer
2,4-D + Silvex, herbicide, liquid
Colorant
Pre-Germ Grass, seed, artificial seed germinating process

Lethelin Products Co., Inc., 15 MacQuesten Parkway So., Mount Vernon, New York 10550

Borerkil (lindane), insecticide, kills borers in trees, shrubs and flowers

Lofts Pedigreed Seed, Inc., P.O. Box 146, Bound Brook, N.J. 08805

Baron Kentucky Bluegrass, seed
Merion Kentucky Bluegrass, seed
Jamestown Red Fescue, seed, a chewings type
Exeter Colonial Bentgrass, seed
Kingstown Velvet Bentgrass, seed

Loveland Ind., Inc., 105 W. 2nd., P.O. Box 483, Loveland, Colo. 80537

Mo-Bait, filmer, adjuvant, attractant
Flozine, suspending agent for wettable powders and flowables

Lowden, 16 Franklin Street, Needham Heights, Maine 02194
Antibiotic Injectors for trees, used in control of Dutch Elm Disease

M

Mallinckrodt Chemical Works, 2nd. & Mallinckrodt Streets, St. Louis, Missouri 63160

Auragreen®, auramine, turf spray indicator dye
Cadminate®, turf fungicide
Fungo™, systemic turf fungicide, broad-spectrum
Calo-Chlor®, mercurial fungicide
Calo-Gran®, granular mercurial fungicide
Koban®, turf fungicide
Kromad®, fungicide, broad-spectrum
Spring-Bak®, fungicide
Thiramad®, fungicide, broad-spectrum
Tobaz®, systemic fungicide
Po-San®, herbicide, post emerg., Poa annua control for fairways
Pre-San®, herbicide, preemerg., Poa annua control and crabgrass
Trex-San™, herbicide, broad-spectrum
Vitalon®, Dark, turf colorant
Spray-Hawk®, mobile turf sprayer
Emblem™, brand, herbicide pre-emergent

Manhattan Ryegrass Growers Assoc., P.O. Box 145, Hubbard, Oregon 97032

Manhattan Perennial Ryegrass, seed; medium textured turf with good shoot density and uniformity but having tough, fibrous vascular bundles in the leaves.

Johns-Manville Corp., Box 290, 22 E. 40th St., New York, N.Y. 10016

Diatomite, soil conditioner

Masonite Corporation, 29 N. Wacker Drive, Chicago, Illinois 60606

Fibrex Root Insulator/Weeder, ¼ to ¾ pine bark impregnated with a bio-degradable, selective, pre-emergent herbicide.

Types Of Chemical Vegetation Control

Abatement Vegetation Control: This is the use of a chemical (or combination of chemicals) at rates which result in a knockdown of existing vegetation and retardation of regrowth. One to three applications may be necessary depending on the length of the growing season and the chemical combination used. It is designed for areas where bareground is not necessary.

Bareground (Complete Control): The application of residual-type herbicides at high rates to give complete control of all vegetation. This is desired in areas where weed and grass growth creates risks of fire hazards, decreased maintenance efficiency, or where maintaining bareground economically is desired. Initially high rates are required but retreatments at one-half to one-third of the initial rate usually maintains the bareground.

Chemical Trimming & Pruning: This is the use of a contact herbicide to knockdown vegetation in close proximity to valuable plants. Weeds and grasses under fences, along drainage ditches, and under highway guard rails, may be controlled by treating the foliage of the undesired plants. Portions of limbs of trees that overhang on a right-of-way may also be controlled by directing the spray to those limbs. This is accomplished without material damage to the tree.

Selective Weeding: The control of certain plants with a chemical or combination of chemicals without permanent injury to desired vegetation. These chemicals may be applied either as pre- or postemergence treatments.

Brush Control: For summer foliage treatment, the application of chemicals to leaves and stems of brush during the active growing season. Complete wetting of the plant to the point of runoff is necessary for effective control. For basal stem applications, it is necessary to apply residual-type herbicides to the soil at the base of individual stems or clumps of brush in late winter to early summer. For stumps, the application of phenoxy herbicides or ammonium sulfamate to freshly cut stumps (within 24 hours) to prevent re-sprouting. For dormant cane treatment, the application of phenoxy herbicides in diesel fuel in the winter. Eight to 16 pounds active ingredient in 100-200 gallons of diesel fuel per acre is usually used.

Courtesy of E. I. Du Pont de Nemours & Co., Inc.

J. J. Mauget Co., P.O. Box 3422, Burbank, Calif. 91504

Mauget, tree injection process
Inject-A-Min, nutrients
Inject-A-Cide, insecticides
Mauget Capsules, fungicide, benomyl

Meinhardt Products Div., 2401 Gardner Rd., Broadview, Illinois 60153

Weed Out, herbicide, selective

Melthor Industries, Inc., 1212 W. 5th Street, Kansas City, Missouri 64101

(continued on page YY)

Penncross Creeping Bentgrass, seed; fine textured, dense, uniform, high quality turf capable of being mowed closely.

Merck Chemical Division, 126 E. Lincoln Avenue, Rahway, New Jersey 07065

Mertect® 140-F, thiabendazole, fungicide, flowable
Mertect® 340-F, thiabendazole, fungicide, flowable
Mertect® 160, fungicide, wettable powder
Mertect® 360, fungicide, wettable powder
Hormodin®, indole-3-butyric acid, root inducing substance
Gibrel® gibberellic acid, plant growth substance
Agri-Strep, streptomycin formulation, control of certain plant diseases

Merion Bluegrass Association, 101 Park Ave., New York, N.Y. 10017

Merion Kentucky Bluegrass

Miller Chemical & Fertilizer Corporation, P.O. Box 333, Hanover, Penna. 17331

Nu-Film-17, sticker-extender
Nu-Film-P, sticker-spreader
Miller Aide, herbicide activator
Vapor Gard, anti-transpirant

3M Company, New Business Ventures Division, 3M Center, St. Paul, Minn. 55101

System M (Mariner Brand), algaecide, WP, controls chara and filamentous algae
System E (Mariner Brand), herbicide, endothall, pelleted, aquatic, (Fla. only)
System A (Mariner Brand), algaecide, (aqueous solution of copper-triethanelamine complex) controls plankton and filamentous algae

Envirocap C (Mariner Brand), algaecide, controlled release, encapsulated formulation of copper sulfate

Miracle Bark, Inc., P.O. Drawer O, Diboll, Texas 75941

Miracle Bark mulch
Miracle Bark Soil Conditioner

Monsanto Company, 800 N. Lindbergh Bldg., St. Louis, Missouri 63166

Roundup, herbicide, bareground

N

Nalco Chemical Co., 180 N. Michigan Avenue, Chicago, Illinois 60601

Nalkil Bromacil, herbicide, bareground, granular and liquid
Nalkil weed killer, diuron, herbicide, granular
Nalco-Trol, herbicide anit-drift agent

Nugget (Pickseed West), Box 217, Albany, Oregon 97321

Nugget, Kentucky Bluegrass

Nursery Specialty Products Co., 410 Greenwich Ave., Greenwich, Conn. 06830

Wilt Pruf®, anti-transpirant, combats transplanting shock
Wilt-Pruf NCF, anti-desiccant

O

Occidental Chemical Company, 4671 Southwest Freeway, Houston, Texas

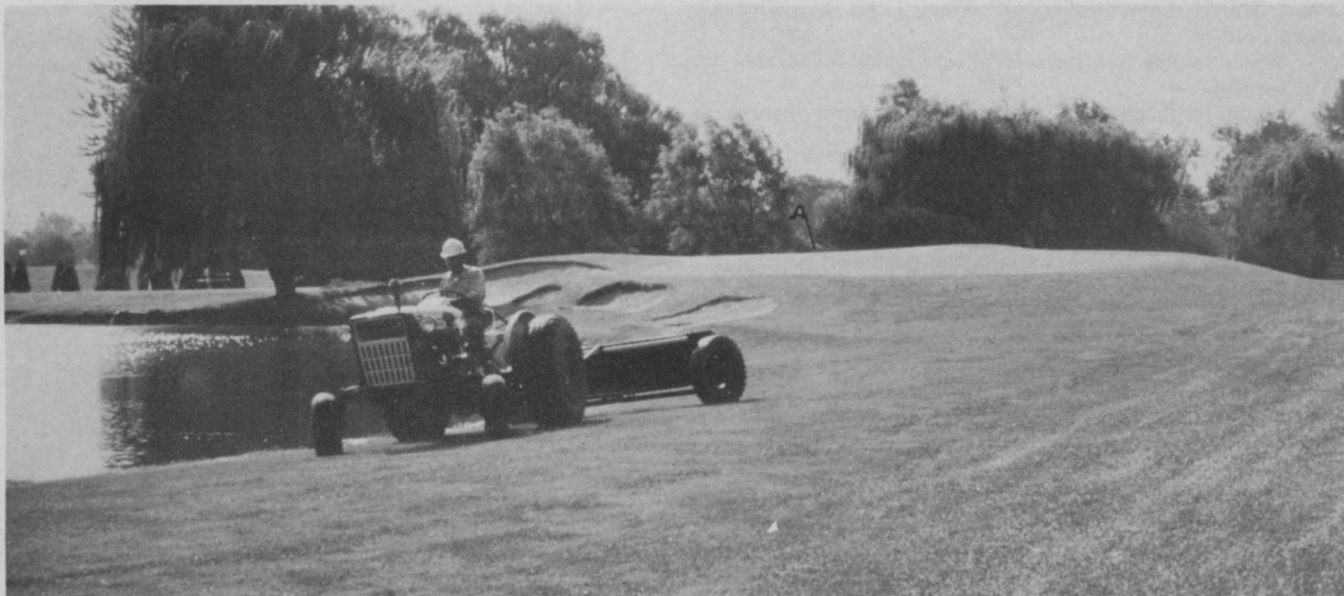
ZIPP Turf Food, fertilizer (slow release)
ZIPP Lawn Food, fertilizer (slow release)
OXY Lawn Food, fertilizer (slow release)
OXY 99, fertilizer (ammonium sulfate)
Best Lawn Food, fertilizer

**Keep the
grass greener
on your side
of the fence.**

GRAND PRIZE® Lawn & Garden Gypsum keeps turf, shrubs, trees growing thick and strong. That's because it acts much like a mineral "cultivator". Loosens hard-packed clay soil so air and water can penetrate, helps fertilizers live up to their full potential. Low in cost, high in efficiency, this natural soil conditioner supplies soluble calcium and sulfur in a readily absorbed form. And it also stimulates decomposition of organic materials. The result: seeds germinate faster, roots go deeper, foliage becomes luxurious. Write for specifics. 101 S. Wacker Drive, Chicago, Ill. 60606. Dept. WTT-83.

CHEMICALS DIVISION

UNITED STATES GYPSUM
BUILDING AMERICA



Glytac (Ethylene Glycol Bis), herbicide (Non-selective)
Oxycil (Sodium Chlorate, Sodium Metaborate tetrahydrate bromacil), herbicide (Non-selective)
Oxy MBC (Sodium Chlorate, Sodium metaborate tetrahydrate), herbicide (Non-selective)
Oxy BBC (1,2-Dibromo-3-chloropropane), nematicide

Oil-Dri Corporation of America, 520 North Michigan Ave., Chicago, Illinois 60611
Terra-Green, soil conditioner

Oregon Chewings & Creeping Red Fescue Commission, P.O. Box 3076, Salem, Oregon 97302
Chewings and Creeping Red Fescue, seed

P

Parco Div., National Foam System, Inc. 150 Gordon Drive, Lionville, Pa. 19353
Dragon Model 180, backpack sprayer
Super Drench, wetting agent

Rudy Patrick Seed, 52 Leslie Street, Buffalo, New York 14240
Seed Grower and processor, seed

S. B. Penick & Co., 100 Church St., New York, N.Y. 10007
Pyrethrins, insecticide
Rotenone, insecticide
Ryania, insecticide
Pyrethrum-Ryania, insecticide
Resmethrin (SBP-1382), insecticide
Pyrethrum-Ryania-Rotenone (Tri-Excel-DS), insecticide

Pennwalt Corporation, Agchem-Decco, 1713 South California Ave., Monrovia, California 91016
Aquathol® endothall, herbicide, aquatic
Aquathol Plus® endothall and Silvex, herbicide, aquatic
Hydrothol® 47 endothall, herbicide, aquatic
Hydrothol® 191 endothall, herbicide, aquatic
Endothal Turf Herbicide, endothall, herbicide, turf
Pennamine D, herbicide, postemergent
Weed Blitz, herbicide, bareground

Phelps-Dodge Refining Corp., 300 Park Ave., New York, N.Y. 10022
Basic copper sulfate, fungicide
Copper Sulfate, fungicide and algicide

Plants For You, R.R. 3, Urbana, Illinois 61801
Crownvetch, pot-grown plants, Penngift or Emerald varieties

Plant Marvel Laboratories, 622 West 119th St., Chicago, Illinois 60628
Water-soluble fertilizers, fertilizers, quick foliar/root absorption
Liquid fertilizers, fertilizers, quick foliar/root absorption

Premier Peat Moss Corp., 25 W. 45th St., New York, N.Y. 10036
Hi-Orgnite, peat moss
Spagmos, mulch
Pro-Mix, soil, mulch, vermiculite, perlite
Potting Soil
Better'N Manure, fertilizer

Prentiss Drug & Chemical Co., Inc., 363 7th Ave., New York, N.Y. 10001
Chlordane, insecticide
Pyrethrum, insecticide
Malathion, insecticide
Diazinon®, insecticide
Aerosol concentrates, insecticide
Warfarin, rodenticide
Rotenone, insecticide
Lindane, insecticide
Baygon®, insecticide

Dursban®, insecticide
DDVP, insecticide

R

Ralston Purina Company, Checkerboard Square, St. Louis, Missouri 63188

Algae Chek, aquatic herbicide
Cygon 2E Insecticide dimethoate, insecticide
Malathion Spray malathion, insecticide
Chlordane 2E Insecticide chlordane, insecticide
Chlordane Insecticide 45E, insecticide
Crabgrass Kill benefin, herbicide
Diazinon spray diazinon, insecticide
Lawn Weed Killer 2,4-D; silvex, herbicide
Ornamental Spray malathion; chlordane, insecticide
Sevin Insecticide Spray carbaryl, insecticide
Systemic Bug Killer disulfoton, insecticide
Grass-N-Weed Vegetation Killer triazinepentachlorophenol, herbicide
Weed-Kill Granules trifluralin, herbicide
Weed-Kill (Pressurized) 2,4+D; dicamba, herbicide

Ra-Pid-Gro Corporation, 88 Ossian, Dansville, N.Y.
Ra-Pid-Gro, fertilizer, 23-19-17, dissolve in water, sprinkle or spray; no burning

Redwood Chemical Inc., 1215 Jackson, Houston, Texas 77003
BHC (benzene hexachloride), insecticide
Lindane, insecticide
Hothouse 100(SBP 1382), insecticide for greenhouse
Dormant Oil, insecticide
Sink It 101, soil conditioner and penetration aid

Rhodia Inc., Chipman Div., 120 Jersey Ave., New Brunswick, N.J. 08903
Chip-Cal tri-calcium arsenate, herbicide, preemergent
Chipco Turf Herbicide MCPP, herbicide, postemergent
Chipco Turf Kleen herbicide, postemergent
Chipco Turf Herbicide D, herbicide, postemergent
Chipco Spot Kleen, dimethyl thiophanate, fungicide
Chipco Microgreen, fertilizer, liquid
Sup'R-Flo maneb, fungicide, flowable
Chipco Buctril, herbicide, postemergent
Chiptox, MCPA, herbicide, post-emergent

Rockland Chemical Co., Inc., P.O. Box 204 Caldwell, New Jersey 07006
Rockland: Professional Greener Lawn, fertilizer (slow release)
Professional Crabgrass Preventer with Tupersan, herbicide
Professional Crabgrass Preventer with Dacthal, herbicide
Professional Diazinon Cinch Bug Killer, insecticide
Professional Dursban Cinch Bug Killer, insecticide
Professional Benomyl Lawn Fungicide Granulars, fungicide
Professional Lawn Disease Control with Dyrene, fungicide
Professional Crabgrass Preventer with Balan, herbicide
Professional Dursban Concentrate, insecticide

Rohm and Hass Company, Independence Mall West, Philadelphia, Pennsylvania 19105
Kerb®, herbicide, pre- and postemergent
Fore®, fungicide, turf and ornamentals
Karathane® dinocap, fungicide and miticide
Kelthane®, miticide
Triton CS-7, spreaderbinder
Triton AF, adjuvant-foamer
Triton B-1956, spreader-sticker

S

S & D Products, Inc., P.O. Box 66, Prairie du Chien, Wisconsin 53821

Eeesy Grow-Root contact Paket, fertilizer, slow release

Sandoz-Wander, Inc., P.O. Box 1489, Homestead, Fla. 33030
Thuricide Bacillus thuringiensis, insecticide, biological
Viron H, insecticide, virus

The O. M. Scott & Sons Co., 160 Main St., Marysville, Ohio 43040

Pro-Turf™ fertilizer
Pro-Turf™ Starter fertilizer
Pro-Turf™ field fertilizer
Plus-2, herbicide
Pro-Turf™ insecticide
Pro-Turf™ fungicide
Spot Weeder, herbicide
Super Halts Plus, herbicide
Super Turf Builder Plus M, fertilizer

Sewerage Commission of the City of Milwaukee, P.O. Box 2079, Milwaukee, Wisconsin 53201
Milorganite fertilizer, fertilizer slow release (6-2-0)

Shell Chemical, 2401 Crow Canyon Rd., San Ramon, Calif. 94583

Akton® 2E, insecticide
Nemagon®, insecticide fumigant

Sierra Chemical Company, 37650 Sycamore St., Newark, Calif. 94560

Agriform Fertilizers, slow release 16-7-12 (+ iron)
Agriform Planting Tablets, landscape fertilizer
Agriform Container Tablets, fertilizer for feeding woody and herbaceous plants in containers

Stanford Seed Co., P.O. Box 230, Plymouth Meeting, Pennsylvania 19462

Crownvetch, seed, crowns or plants

Stauffer Chemical Co., Westport, Conn. 06880

Aspon®, insecticide
Betasan®, herbicide, preemergent
Eptam®, herbicide, preemergent
Imidan®, insecticide
Trithion®, insecticide
Vapam®, soil fumigant

Stull Chemical Company, 3400 Nacogdoches Rd., San Antonio, Texas 78217

Bivert®, invert emulsion adjuvant
Bivert Spray System, spray equipment for using invert emulsions—kits and complete units

Sudbury Laboratory, Inc., 572 Dutton Rd., Sudbury, Mass. 01776

Sudbury Soil Test Kits, soil testing equipment for pH, NPK
Sudbury tailor-made fertilizers, water soluble fertilizers, unit X, 44% N; unit Y, 44% P; unit Z, 44% K
Solo-Gro Seed Starter Cubes

Swift Chemical Company, 111 West Jackson, Chicago, Illinois 60604

Par Ex Professional Products, utilizing IBDU as a controlled release Nitrogen

T

Thompson-Hayward Chemical Co., 5200 Sprecker Rd., Kansas City, Kansas 66110

Casoron®, dichlobenil, herbicide, selective preemergent
Du-Ter®, triphenyltin hydroxide, fungicide
De-Fend®, dimethoate, insecticide, systemic
Biotrol, BTB, biological insecticide
Ded-Weed, herbicide, phenoxy, postemergence
Uni-Mix, surfactant/compatibility agent



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The all around turf maintenance machine every Park, every Golf course, every Public Works Department, every Landscaper — in fact, any one with turf to maintain — should have.

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Gangs up to 19 feet.

MOTT CORPORATION

514 Shawmut Avenue • LaGrange, Illinois 60525

Tuco, Div. of The Upjohn Co., Kalamazoo, Michigan 49001
Acti-Dione TGF, cycloheximide, fungicide, turf and ornamental
Acti-Dione Thiram, cycloheximide and thiram, fungicide, turf
Acti-Dione RZ, cycloheximide and PCNB, fungicide, turf
Enide 50W, diphenamid, herbicide, dichondra, ornamentals
Botran 75W, DCNA, fungicide, fruit trees, ornamentals
Proxol 80SP trichlorfon insecticide, turf and ornamental

Twin City Seed, 500 30th Ave. N.E., Minneapolis, Minnesota 55418
Park, Kentucky Bluegrass seed

U

Union Carbide Corporation, Agricultural Products and Services, P.O. Box 1906, Salinas, California 93901

Sevin® carbaryl, insecticide (sprayable and wettable powders for ornamental, tree, and lawn insect control)
Sevin 4 Oil carbaryl, insecticide, dispersion of Sevin in a non-phytotoxic, low volatile oil for tree insect control
Sevimol® carbaryl, insecticide (suspension of Sevin in molasses for shade tree and ornamental insect control)

Uniroyal Chemical, Div. of Uniroyal, Inc., Bethany, Conn. 06525

MH-30® maleic hydrazide, growth regulant
Royal MH-30®, growth regulant
Omite®, insecticide; wettable powder, dust, liquid
Slo-Gro®, growth regulant

U.S. Borax & Chemical Corporation, 3075 Wilshire Blvd., Los Angeles, California 90010

Maintain® CF 125, growth retardant
Maintain® A, growth regulator, tree wound paint
Ureabor®, nonselective herbicide
Ureabor® 8D, nonselective herbicide
Monobor-Chlorate® Granular, nonselective herbicide
Hibor® C, nonselective herbicide
Polybor-Chlorate®, nonselective herbicide
Borocil® IV, nonselective herbicide
Borate Compounds, nonselective herbicide
Potassium Chloride, potash
Borax, trace elements
Solubor, trace elements

U.S. Gypsum, 101 South Wacker Dr., Chicago, Ill. 60606
Grand Prize®, natural clay soil conditioner

USS Agri-Chemicals, P.O. Box 1685, Atlanta, Georgia 30301
Vertagreen, lawn and garden fertilizers
Vertagard, environmental protection chemicals

V

Velsicol Chemical Corp., 341 East Ohio Street, Chicago, Illinois 60611

Banvel® 4 WS and OS dicamba, herbicide, water soluble and oil soluble; postemergent
Banvel® 510 dicamba + 2,4,5-T, herbicide, oil soluble, postemergent
Banvel® 520 dicamba + 2,4-D, herbicide, oil soluble, postemergent
Banvel® 710 dicamba + 2,4,5-T, herbicide, water soluble, postemergent
Banvel® 720 dicamba + 2,4-D, herbicide, water soluble, postemergent
Banvel® 310 dicamba + 2,4-D and 2,4,5-T, herbicide, oil soluble, postemergent
Banvel® 320 dicamba + 2,4-D and 2,4,5-T, herbicide, water soluble, postemergent
Banvel XP dicamba, herbicide, pellet

Chlordane, insecticide, 25G, 72EC, 40% WP, 5%D, 10%D, 10%G

Heptachlor, insecticide, 2.5% G, 5% G, 10% G

Vegatrol, herbicide, complete line of amine salts and ester formulations of 2,4-D and 2,4,5-T, oil and water soluble

Vineland Chemical Company, P.O. Box 745, Vineland, N.J. 08360

Dal-E-Rad DSMA, herbicide, contact
Dal-E-Rad+2 DSMA + 2,4-D, herbicide, contact and selective
Rad-E-Cate Sodium dimethylarsinate, herbicide, contact
Super Crab-E-Rad + 2 amonium methyl arsonates and 2,4-D, herbicide, contact and selective
Super Crab-E-Rad A.M.A., herbicide, contact
Super Crab-E-Rad calar calcium acid methyl arsonate, herbicide, contact
Vi-Par 2,4-D + MCP, herbicide, contact and selective
Vi-Pex (MCP), herbicide, selective
Weed-E-Rad 100, herbicide, contact
Weed-E-Rad 360 DSMA, herbicide, contact

Virginia Chemicals Inc., 3340 West Norfolk Road, Portsmouth, Virginia 23703

Winterlawn® Grass Color Concentrate, permanent pigmented, water-soluble emulsion color system for dormant vegetation; also in aerosol containers

Vistron Corporation, 1650 Midland Bldg. Cleveland, Ohio 44115

Urea, fertilizer
Anhydrous ammonia, fertilizer
Nitrogen solutions, fertilizer

W

Warren's Turf Nursery, Inc., 8400 West 111th St., Palos Park, Illinois 60464

A-20 Kentucky Bluegrass, sod
A-34 Kentucky Bluegrass, sod

Water-In, Inc., P.O. Box 421, Altadena, California 91001

Water-In, wetting agent, soil conditioner, liquid or dry form
Gro-Tabs, fertilizer (slow release), tablets

West Chemical Products, Inc., 42-16 West St., New York, N.Y. 11101

Assault, herbicide, non-selective, bareground

Weyerhaeuser Company, Tacoma, Wash. 98401

Silva Fiber, mulch for hydro-seeding
PFM, mulch for hydro-seeding

Winru Chemical & Sales Co., 923 State Line, Kansas City, Missouri 64101

Baygon, insecticide
Synergized Pyrethrins, insecticides
Chlordane, insecticide
Malathion, insecticide
Diazinon, insecticide
Zectran, insecticide
Infuco Compression Sprayers, environmental protection chemical sprayer
Phostoxin, fumigant

Z

Zonolite, W. R. Grace & Co., P.O. Box 517, Travelers Rest, S.C. 29690

Vermiculite, soil conditioner
Horticultural Perlite
Terra-Lite
Redi-Earth, synthetic soil