

## Chemical Companies

continued

Houston TX 77266  
800-231-6211/713-522-0711

★ Milliken Chemical  
Campton Rd  
PO Box 817  
Inman SC 29349  
803-472-9041/800-845-8502

Milwaukee Metropolitan Sewerage District  
735 N Water St  
Milwaukee WI 53202  
414-225-2222

3M/Agricultural Products  
3M Center/Bldg 223-1N-05  
St Paul MN 55144-1000  
612-733-3150

Minntralia Mfg Inc  
Box 135 West Edge Village  
Garfield MN 56332  
612-834-2214

Mobay Chemical Corp  
Agricultural Chemicals Div  
PO Box 4913 Hawthorn Rd  
Kansas City MO 64120  
816-242-2000

★ Monsanto Co  
800 N Lindbergh Blvd (C35D)  
St Louis MO 63167  
314-694-6640

Montco Products Corp  
Box 404  
Ambler PA 19002  
215-628-3144

Moyer & Son Inc  
113 E Reliance Rd  
Souderton PA 18964  
215-723-6001

Moyer Chemical Co  
3321 W Castor St  
Santa Ana CA 92704  
714-549-2871

MSD AGVET  
See Merck & Co

National Bark Sales  
1365 N Orchard St  
PO Box 7672  
Boise ID 83707  
208-375-0656

Nepera Inc  
Route 17  
Harriman NY 10926  
914-782-8171

NOR-AM Chemical Co  
3509 Silverside Rd  
PO Box 7495  
Wilmington DE 19803  
302-575-2000

North Hampton Seed Co  
Box 51  
Bath PA 18014  
215-837-6311

Oil-Dri Corp of America  
520 N Michigan Ave

Chicago IL 60611  
312-321-1515

Ozark Landscaping Products  
Rt 4 Box 479  
Perryville MO 63775  
314-547-2531

★ PBI-Gordon Corp  
1217 W 12 St  
Kansas City MO 64101  
816-421-4070

Pennwalt Corp  
3 Pkwy  
Philadelphia PA 19102  
215-587-7286

Perluc Inc  
PO Box 1359  
Wendell NC 27591

Plant Marvel Laboratories  
371 E 16 St  
Chicago Heights IL 60411  
312-757-7500

Precision Laboratories Inc  
333 Anthony Trail  
PO Box 127  
Northbrook IL 60065  
312-498-0800

Prentiss Drug & Chemical Co  
21 Vernon St CB 2000  
Floral Park NY 11001  
516-326-1919

Reclamare Co  
20727 Seventh Ave South  
Seattle WA 98198  
206-824-2385

Regal Chemical Co  
PO Box 900  
Alpharetta GA 30201  
404-475-4837/800-621-5208

★ Rhone-Poulenc Inc  
PO Box 125  
Monmouth Junction NJ 08852  
201-297-0100

Riverdale Chemical Co  
220 E 17 St  
Chicago Heights IL 60411  
312-756-2010

Rockland Chemical Co  
686 Passaic Ave  
Box 809  
West Caldwell NJ 07007  
201-575-1322

Rohm & Haas Co  
Independence Mall West  
Philadelphia PA 19105  
215-592-3000

★ O M Scott & Sons Co  
14111 Scottslawn Rd  
Marysville OH 43041  
513-644-0011

SDS Biotech  
See Fermenta Plant Protection Co

Sierra Chemical Co  
1001 Yosemite Dr  
Milpitas CA 95035  
408-263-8080

★ Soil Seal Corp  
1111 W Sixth St  
Los Angeles CA 90017  
213-481-7185

Source Technology Biologicals Inc  
2850 Metro Dr  
Minneapolis MN 55420  
612-854-9426 MN/800-Elm-TREE

Southern Mill Creek Products Co  
PO Box 420981 Alpatath St  
Miami FL 33142  
305-635-0321

Sta-Green Plant Food Co  
201 W Fourth St  
Sylacauga AL 35150  
205-245-5282

Stanford Seed Co  
Muddy Creek Rd  
RD 1 Box 405  
Denver PA 17517  
215-267-3805

Stull Chemical Co  
1006 Paulsun  
San Antonio TX 78219  
512-227-5255

Sudbury Lawn & Garden Products  
301 W Osborn  
Phoenix AZ 85013-3928  
602-285-1660

Thermoguard Co  
412 113th  
Arlington TX 76011  
817-640-8733

UAP Special Products Inc  
13808 'F' St  
Omaha NE 68137  
402-330-1910

Union Carbide Ag Prod Co  
TW Alexander Ave  
PO Box 12014  
Research Triangle Park NC 27709

Warren's Turf Nursery Inc  
Chadbourne & Cordelia Rds  
PO Box 459  
Suisun City CA 94585  
707-422-5100  
800-828-8873

Weyerhaeuser  
1010 S 336th WSC-3  
Federal Way WA 98477  
206-927-7900

Wilt-Pruf Products Inc  
PO Box 4280  
Greenwich CT 06830  
203-531-4740

Zoecon Corp/A Sandoz Co  
PO Box 10975  
Palo Alto CA 94303  
415-857-1130



## 5. Seed Companies

Adelphi Kentucky Bluegrass  
PO Box 310

Hollis NY 11423  
718-739-4400

Kentucky Bluegrasses: Adelphi; Perennial  
Ryegrasses: All Star

J & L Adikes Inc  
182-12 93rd Ave  
Jamaica NY 11423  
718-739-4400

Kentucky Bluegrasses: Adelphi; Perennial  
Ryegrasses: All Star; Turfseed Mexes or  
Blends: Mixed to order

★ AM Sod Co  
2606 Hollister St  
San Diego CA 92154  
619-428-5567

Fescues: Jaguar Tall; Sod/Sprigs  
(California & Arizona Only): Tifgreen  
Hybrid Bermuda Mix, Santa Ana  
Bermuda, Bluegrass-Ryegrass Mix, El  
Toro Zoysia

Bamert Seed Co  
Route 3 Box 1120  
Muleshoe TX 79347  
806-272-4787

Other: treated Texoka Buffalo, native  
grasses

Cenex Seed Co  
2882 Howell Prairie Rd Northeast  
Salem OR 97305  
800-228-4119

Kentucky Bluegrasses: Plush, Holiday;  
Perennial Ryegrasses: Magnum Brand;  
Fescues: Bonanza (Tall); Turfseed Mixes  
or Blends: various mixtures, custom  
blended; Other: public varieties and  
selected proprietary varieties available

Ernst Crownvetch Farms  
RD 5 Box 806  
Meadville PA 16335  
814-425-7276/425-7897  
Other: Crownvetch

Daehnfeldt Inc  
PO Box 947  
Albany OR 97321  
503-928-5868

Kentucky Bluegrasses: Melba, Trampas;  
Perennial Ryegrasses: Polly Hybrid;  
Fescues: Puma Chewings Other:  
Wildflowers

Fine Lawn Research Inc  
PO Box 290  
Madison GA 30650  
503-636-2600

Kentucky Bluegrass: Chateau; Perennial  
Ryegrasses: Pennant; Fescues: Finelawn  
Turf Type Tall, Jaguar Turf Type Tall;  
Turfseed Mixes or Blends: Triple Play,  
Perennial Ryegrass blend

Full Circle Inc  
PO Box 49  
Madras OR 97741  
503-475-3877

Kentucky Bluegrasses: Merit

Garfield Williamson Co  
1072 Westside Ave  
Jersey City NJ 07306  
201-435-3500

Kentucky Bluegrasses: Eclipse, Liberty;  
Perennial Ryegrasses: Omega II;  
Fescues: Jaguar Tall, Shadow Chewings;  
Turfseed Mixes or Blends: Eagle 3  
Brand, Proform, Tri-Rye, Eclipse/Omega  
II, Wonderlawn; Other: Native grasses,  
wild flowers

Great Western Seed Co  
810 Jackson St  
Albany OR 97321  
503-928-3100

Kentucky Bluegrasses: Common, Baron,  
Nassau, Mystic, Georgetown, Ram I;  
Perennial Ryegrasses: Palmer, Prelude,  
Cowboy, Diplomat, Repell, Yorktown II;  
Fescues: Clemfine, Rebel, Rebel II (Tall)  
Jamestown (Fine); Turfseed Mixes or  
Blends: Marvelgreen Line (many  
formulas), Par 3 (perennial ryegrass)

Jonathan Green Inc  
Squakum-Yellowbrook Rd  
PO Box 326  
Farmingdale NJ 07727  
201-938-7007 NJ/800-526-2303

Kentucky Bluegrass: Adelphi, A-34,  
America, Baron, Banff, Birka, Classic,  
Columbia, Eclipse, Enmundi, Enoble,  
Flyking, Glade, GNOME, KenBlue,  
Common, Merion, Nassau, Merit,  
Monopoly, Parade, Ram I, Reubens,  
Sabre; Perennial Ryegrasses: Allstar,  
Blazer, Citation II, Dasher, Fiesta, Jazz,  
Manhattan II, Pennfine, Linn, Premier;  
Fescues: Agram Chewing, Bargaena  
Creeping, Bonanza Tall, Creeping Red,  
Finelawn I Tall, Hounddog Tall,  
Jamestown Chewing, Kentucky 31 Tall,  
Mustang Tall, Pennlawn Creeping,  
Sparta; Bentgrasses: Asoria, Emerald,  
Exeter, Penncross, Penneagle, Penway,  
Hard, Tournament Hard, Victory  
Prominent, Seaside, Sheeps Fescue;  
Turfseed Mixes or Blends: Perennial



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Circle No. 157 on Reader Inquiry Card

## Seed Companies

continued

- Ryegrass, Drought Tough Mixture, Blue-Rye, Full Sun Grass Seed, Funlawn Turf-Type Tall Fescue, Fast Grow, Bentgrass, Pennway Bentgrass; Other: Birdsfoot Trefoil, Blackwells Switchgrass, Alsike, Red, White, Ladino Clovers, Penngift Crownvetch, Tioga Deertongue, Orchardgrass, Redtop, Reeds Canarygrass, Sericia Lespedeza, Timothy, Weeping Lovegrass, Pinto Wildflower, Winter Rye
- Geo W Hill & Co  
8010 Dixie Hwy  
Florence KY 41042  
606-371-8423  
Kentucky Bluegrasses: Eclipse, Chateau; Perennial Ryegrasses: Pennant; Fescues: Finelawn Turf-Type Tall, Jaguar Turf Type Tall; Turfseed Mixes or Blends: Triple Play Perennial Ryegrass Blend
- ★ International Seeds Inc  
820 First St  
PO Box 168  
Halsey OR 97348  
503-369-2251  
Kentucky Bluegrasses: Vantage; Perennial Ryegrasses: Derby, Regal, Gator; Fescues: Highlight (Chewing), Red, Ensvla (Creeping), Hounddog (Tall); Bentgrasses: Emerald, Penncross, Penneagle; Turfseed Mixes or Blends: Dixie Green Mix, Dixie Green/Sabre Mix, Ph D Overseeding Blend, Ph D/Sabre
- ★ Jacklin Seed Co  
W 5300 Jacklin Ave  
Post Falls ID 83854  
208-773-7581  
Kentucky Bluegrasses: Nugget, Glade, Adelphi, Eclipse, Classic, Amazon, A-34, Geronimo, Huntsville, Nassau, Ram I, Cheri; Perennial Ryegrasses: All Star, Manhattan II, Pennfine; Fescues: Arid (Tall), Logro, Highlight, Ensvla; Bentgrasses: Penncross, Seaside, Penneagle; Other: Environmental; Reubens Canada Bluegrass, Streaker redtop, Covar Sheeps fescue
- ★ Lesco Inc  
20005 Lake Rd  
Rocky River OH 44116  
216-333-9250  
Kentucky Bluegrasses: Dawn, Julia; Fescues: Cimmarron (Tall); Turfseed Mixes or Blends: Eagle, Lesco Shade Mix, Transition
- ★ Loft Seed Inc  
Chimney Rock Rd  
PO Box 146  
Bound Brook NJ 08805  
201-356-8700  
Seed Types: Clemfine Tall Fescue, Rebel Tall Fescue, Prelude & Palmer Perennial Ryegrasses, Diplomat & Yorktown II Perennial Ryegrasses, Baron & Ram I KY Bluegrasses
- Mangelsdorf Seed Co  
1415 N 13 St  
St Louis MO 63106
- 314-421-1415  
Kentucky Bluegrasses: Arboretum etc.; Perennial Ryegrasses: Omga II, etc.; Fescues: KY 31, Jaguar Turf Type, Creeping Red and Chewings fescue; Bentgrasses: Penncross, Penneagle, Emerald, Highland; Turfseed Mixes or Blends: M-Brand & custom mixes; Other: Zoysia & Crownvetch Seed; Sod/Sprigs (South only): Crownvetch Crowns
- Normarc Seeds Inc  
32080 Hwy 34  
Tangent OR 97389  
503-926-5801  
Kentucky Bluegrass: Merit, Park, Newport; Perennial Ryegrasses: Premier; Fescues: Tempo, Pennlawn Creeping, Cascade Chewing, Koket, Fawn Tall; Bentgrasses: Penncross, Highland, Seaside; Turfseed Mixes or Blends: Turf Star, Perennial Ryegrass Mix
- Northampton County Seed Co  
646 Georgetown Rd  
Nazareth PA 18064  
215-837-6311  
Kentucky Bluegrass: Common, Nassau, Glade, Birka, Baron; Perennial Ryegrasses: Linn, Derby, All Star, Pennfine; Fescues: Koket Chewing Red, Pennlawn Creeping Red, Creeping Red, Kentucky 31 Tall, Falcon Tall; Bentgrasses: Penneagle, Penncross; Turfseed Mixes or Blends: Country Brand I-50% Creeping Red fescue, 25% K. B., 25% Annual Ryegrass; Shale mix-50% Creeping, 50% Derby Perennial; White Dutch Clover; Crownvetch; Poa Trivialis; Red Top; Farm Seed
- ★ Northrup King Co  
Medalist Turf Div  
7500 Olson Memorial Hwy  
PO Box 959 (55440)  
Minneapolis MN 55427  
612-781-8011  
Kentucky Bluegrasses: Adelphi, Aspen, Aquila, Parade, Park, Rugby; Perennial Ryegrasses: Delray, Eton, Goalie, NK200, Pennfine; Fescues: Atlanta chewings Dawson red, Ruby creeping, Scaldis hard, Galway turf-type tall; Bentgrasses: Penncross, Penneagle, Seaside; Turfseed Mixes or Blends: Special Park Mix, Premier Turf, Swift & Sure, Athletic Pro I & II, Shady Turf, Premium Sod Blend, Overseeder II, Medalist North, Landscape Pro, Landscape Pro West, Boulevard Mix, Renovator Pro Blend, Super Pro III, Alkali Turf Mix, Medalist Overseeding Blends; Other: Fults Puccinellia distans Alkaligrass
- Nutri-Turf  
10777 Sunset Office Park  
St Louis MO 63127  
314-822-6571  
Fescues: Rebel Chewings; Other: Centipede; Sod/Sprigs (South Only): St Augustine, Hybrid Bermuda, Zoysia
- Oregon Fine Fescue Commission  
2140 Turner Rd SE  
Salem OR 97302  
503-585-1157  
Fescue: creeping and chewings
- Oregon Ryegrass Growers Seed Commission  
4093 12th St Southeast  
Salem OR 97302  
503-364-3346  
Perennial Ryegrasses: Oregon Ryegrasses; Other: Annual Ryegrasses
- ★ Oregon Tall Fescue  
2140 Turner Rd SE  
Salem OR 97302  
503-585-1157
- Oseco Inc  
PO Box 219  
Brampton ON Canada  
L6V 2L2  
416-846-5080  
Kentucky Bluegrass: Baron, Gnome, Haga, Midnight, Nassau, Sydsport, Regent, Majestic; Perennial Ryegrasses: Palmer, Yorktown II, Barry; Fescues: Banner Chewings, Koket Chewings, Rebel Tall, Biljart Hard, Reptans Red, Fortress Creeping; Bentgrasses: Penneagle, Emerald; Turfseed Mixes or Blends: PHD-1, PHD-2, PHD-3; Other: PHD-1 Rapidgrass
- Patten Seed Co  
119 Murrell Ave  
Lakeland GA 31635  
912-482-3131  
Other: Centipede grass Seed; Sod/Sprigs (South Only): Meyer Zoysia, Emerald Zoysia, Tifton Hybrid Bermudas, Centipede, St Augustine
- Pennfine Perennial Ryegrass  
500 Olson Memorial Hwy  
Minneapolis MN 55427  
612-781-8011  
Perennial Ryegrasses: Pennfine
- Peterson Seed Co  
PO Box 346  
Savage MN 55378  
612-445-2606  
Kentucky Bluegrasses: Monopoly, Classic
- Otto Pick & Sons Seeds Ltd  
11151 Yonge St  
Box 126  
Richmond Hill ON Canada  
L4C 4X9  
416-884-1147  
Kentucky Bluegrasses: America, Banff, Nugget, Touchdown; Perennial Ryegrasses: Blazer, Fiesta; Fescues: Agram, Mustang, Tournament hard; Bentgrasses: Exeter
- Otto Pick & Sons Seeds Ltd  
RR 2 Box 4 Group 200  
Winnipeg MB Canada  
R3C 2E6  
204-633-0088  
Kentucky Bluegrasses: Nugget, Touchdown, A34, America, Ram I, Banff, Cheri, Fylking, Dormie, Baron, Common SQ/QT 98/85, Park; Fescues: Agrams



## Seed Companies

*continued*

Chewings, Jamestown Chewings, Pennlawn Creeping, Boreal Creeping, Tournament Hard; Sheeps Ovina, Mustang Tall; Bentgrasses: Penncross Perennial

Pickseed West Inc  
PO Box 888  
Tangent OR 97389  
503-926-8886

Kentucky Bluegrasses: America, Banff, Touchdown; Perennial Ryegrasses: Blazer, Dasher, Fiesta, Jazz; Fescues: Mustang & Maverick (tall), Agram (chewing), Spartan & Tournament (hard); Bentgrasses: Exeter (colonial); Turfseed Mixes or Blends: Futura Plus, Futura Blue; Other: Colt Poa trivialis, Flowers 'n' Flowers, Flowers 'n' Grass

Pioneer Hi-Bred International  
See Peterson Seed Co

Prairie Seeds Ltd  
RR 1  
South Edmonton AB  
Canada T6H 4N6  
403-955-7345

Kentucky Bluegrasses: Baron, Glade, Eclipse, Nugget, Ram I, Regent; Perennial Ryegrasses: Derby, Manhattan; Fescues: tall, chewings, creeping; Bentgrasses: Penncross, Penneagle, Prominent; Turfseed Mixes or Blends: Custom; Other Turf Seed: Alpine Bluegrass, Tufted Hairgrass

Pro-Lawn Products Inc  
PO Box 4908  
Syracuse NY 13221  
315-477-6007

Kentucky Bluegrasses: Rugby; Perennial Ryegrasses: Pennfine, Palmer; Fescues: Jaguar Tall Fescue, Rebel Tall Fescue; Turfseed Mixes or Blends: Professional Green, Royal Green, Wear Green

Roberts Seed Co  
PO Box 206  
Tangent OR 97389  
503-926-8891

Kentucky Bluegrasses: Newport, Park, Merion; Perennial Ryegrasses: Pennfine, Manhattan, Linn; Fescues: Cascade, Pennlawn, Rainier Red; Bentgrasses: Astoria, Seaside, Highland

Rothwell Seeds Ltd  
PO Box 511  
Lindsay ON  
Canada K9V 4S5  
705-324-9591

Kentucky Bluegrasses: Adelphi, Argyle, Classic (225), Eclipse, Glade, Monopoly, Julia, Regent, Geronimo, Harmony, Welcome Midnight, Nugget, Park, Vantage; Perennial Ryegrasses: Manhattan, Derby, Diplomat, Prelude, All\*Star, Pennant; Fescues: Barfalla Chewings, Koket Chewings, Durlawn Creeping Res; Bentgrasses: Penncross, Penneagle, Prominent, Bardot, Carmen, Seaside, Highland, New Zealand Brown Top, Astoria; Other: seeds of most adapted northern species, both for turf

& agriculture, soil stabilizers & ground cover

★ O M Scott & Sons Co  
14111 Scottslawn Rd  
Marysville OH 43041  
513-644-0011

Kentucky Bluegrasses: Victa, Bristol, Merit; Perennial Ryegrasses: Loretta, Pennant, Ovation, Caravelle, Derby, Pennfine, Proturf; Fescues: chewings: Jamestown, Banner, Improved Tall; Falcon, Mustang, Chesapeake; Bentgrasses: Penncross, Penneagle, Emerald, Seaside; Turfseed Mixes or Blends: Uicta/Bristol/Merit, Winter Turf Overseeding, Sportsturf, Utility; Other: Sabre Pia Trivialis

Seed Production & Introduction Corp  
7500 Olson Memorial Hwy  
Minneapolis MN 55427  
612-781-8011

Kentucky Bluegrasses: Rugby; Perennial Ryegrasses: Pennfine

Seed Research of Oregon  
644 SW 13 St  
Albany OR 97333  
503-757-2663

Kentucky Bluegrass: Enmundi, Harmony, Merit; Perennial Ryegrasses: SR 4000, SR 4100; Fescues: Trident, SR 8000, SR 8100; Bentgrasses: Prominent Creeping, SR 1019 Creeping, SR 1020 Creeping; Turfseed Mixes or Blends: Champion, Trophy, Endurance, Survivor

Southern Turf Nurseries  
5172 A Indian Trail Ind Pkwy  
Norcross GA 30071  
404-448-9932

Sod/Sprigs (South Only): Tifway, Tifway II, Tifgreen, Tifwarf, Midiron bermudagrasses, Meyer, Emerald Zoysiagrasses

Southern Turf Nurseries Inc  
PO Box 1459  
Lake Wales FL 33853  
813-537-2149

Sod/Sprigs (South Only): Hybrid Bermuda Springs & Sod; Grassing Contractor

Stanford Seed Co  
Buffalo NY 14240  
716-825-3300

Seed Types: Koket Chewings Fescue, Old English, Crown Vetch, Pennfine Perennial Ryegrass, Rugby KY Bluegrass

Stanford Seed Co  
Muddy Creek Rd  
RD1 Box 405  
Denver PA 17517  
215-267-3805

Kentucky Bluegrasses, Perennial Ryegrasses, Fescues, Bentgrasses, Turfseed Mixes or Blends, Other, Sod/Sprigs: Old English

Sunbelt Seeds Inc  
5172 Indian Trail Ind Pkwy  
Ste A  
Norcross GA 30071  
404-448-9932

Kentucky Bluegrass: Baron, Nassau, Ram I, Georgetown, Mystic; Perennial Ryegrasses: Palmer, Prelude, Cowboy, Repell, Yorktown II, Agree; Fescues: Rebel Turf Type, Clemfine Turf Type Tall, Jamestown Fine, Reliant Fine; Bentgrasses: Penncross, Penneagle, Emerald, Seaside; Turfseed Mixes or Blends: Marvelgree series; Other: Bermudagrass, Centipedegrass, wildflower mixes

★ Tee-2-Green Corp

PO Box 250  
Hubbard OR 97032  
503-981-9574  
800-547-0255

Bentgrasses: Penncross (Creeping), Penneagle (Creeping)

★ Turf Merchants Inc (TMI) 30065 Hwy 995

PO Box 1467  
Albany OR 97321  
800-421-1735/503-491-3622

Kentucky Bluegrass: Gnome, Tendos, Rugby; Perennial Ryegrasses: Pennfine, Manhattan II, Rodeo, Barry; Fescues: Vitrus Creeping, Regans Chewings, Brookston Tuft Type Tall, Turfgem Turf Type Tall, Gremlin Dwarf Turf Type Tall; Bentgrasses: Seaside Creeping; Turfseed Mixes or Blends: V I P Turf Type, V I P Creeping, TrueBlue Kentucky

★ Turf Seed Inc

PO Box 250  
Hubbard OR 97032  
503-981-9571

Kentucky Bluegrasses: Columbia, Sydsport, Midnight, Challenger; Perennial Ryegrasses: Citation II, Omega II, Birdie II, Manhattan II, CBS II Blend, 2DF, 3CN; Fescues: Flyer Creeping, Triathelawn Blend Tall, Shadow Chewings, Aurora Hard, Bighorn Sheep, Olympic Tall, Apache Tall; Bentgrasses: Penncross, Penneagle; Turfseed Mixes or Blends: CBS II, Triathelawn

Vaughan's Seed Co  
5300 Katrine Ave  
Downers Grove IL 60515  
312-969-6300

Seed Types: Adelphi KY Bluegrass, Citation Perennial Ryegrass

Vaughan's Seed Co  
Chimney Rock Rd  
Bound Brook NJ 08805  
201-356-4200

Seed Types: Adelphi KY Bluegrass, Glade KY Bluegrass, Cheri KY Bluegrass, All KY Bluegrass, Touchdown KY Bluegrass, Pennant Perennial Ryegrass, Citation Perennial Ryegrass, Regal Perennial Ryegrass

Warren's Turf Nursery Inc  
Chadbourne & Cordelia Rds  
PO Box 459  
Suisun City CA 94585  
707-422-5100

Kentucky Bluegrasses: A-34 BenSun, Warren's; Fescues: Adventure turf type (Tall)

## Diagnosing sap flow problems

**Problem:** A number of elm trees are showing some kind of sap flowing on the trunk. We think it is wetwood. Are there any other problems similar to wetwood? Is drain tube installation still recommended for wetwood problems? (Illinois)

**Solution:** Yes, there are some other problems which can produce sap flow, in addition to wetwood disease. For example, sap flow is associated with flux, slime flux, wetwood, and alcoholic slime flux problems.

Whenever a cut is made on trees, sap begins to flow. This is called flux. This is usually severe in spring because of heavy sap flow. Often many different bacteria or yeast can get into this flux which is then referred to as slime flux. Slime flux is primarily on the surface and it does not go beyond the cambium layer. Since neither flux nor slime flux are inside the plant, there is no need for treatment.

Alcoholic slime flux, a bacterial disease, is generally found on white oaks. Reports indicate that this problem can also occur on beech trees. This problem can be managed by bark tracing the affected areas.

Wetwood disease on American elm is caused by a specific bacterium (*Enterobacter* sp.). Affected trees may show chronic "bleeding" from crotches and wounds. The bacteria infects the sapwood and heartwood and then ferments the sap, releasing gases which create pressure build-up within the tree. This pressure causes the sap to flow out at crotches or near wounds. This fermented sap is toxic.

As a result, the "bleeding" wounds may not heal and often the bark tissues under the area of sap flow may be injured. Many insects may be attracted to fermented sap. This problem can be treated by making a downward slanting hole ( $1\frac{1}{2}$ -inch in diameter through the trunk) and inserting a brass pipe into the hole (just far enough to hold it securely).

The drain tube should be installed below the bleeding site so that the sap will drip on the ground and away from the trunk. Copper tubing should not be used since it is toxic to the trees. Often the sap flowing from these tubes may kill grass or ground cover around the drip sites. Install one tube per 12-inch DBH tree or two to three tubes per 24-inch diameter tree at the base.

## Power raking to reduce thatch

**Problem:** Why power rake since it does little to reduce thatch? (Colorado)

**Solution:** Although it may appear that power raking does little to reduce thatch, it can be beneficial if done properly. For best results the lawn should be raked several times. Periodically check the thatch level with a probe, and continue power raking until the thatch is reduced to the desired level.

Because of the nature of this operation, it may be damaging to lawns. Modifying the thatch layer by

core aeration is less disruptive to turf. With this method, the thatch barrier will be broken and the cores will bring the soil above the turf. Ideally, these cores should be broken to reintroduce the soil containing micro-organisms which are needed for thatch decomposition.

## Aerating fairways and roughs

**Problem:** What are the most effective and most efficient methods of core aeration of a fairway or rough? What is the fastest method? Can this material be used for future construction? (New York)

**Solution:** Tractor-mounted aerifying equipment would be the most efficient for removing core aeration plugs in a fairway or rough. The effectiveness of the method can be affected by the soil moisture and cutting height. Often fairways and roughs are cut a little longer than the greens, which would reduce the penetration of tines. Also, if the soil is dry, tine penetration is reduced. Walk-behind type aerifiers are not practical for the fairways and rough areas because of the large area to be covered.

The plugs pulled out during aerification would contain some plant material and soil. In most cases, these are left on the ground and allowed to break down slowly and incorporated back into the turf. However, if the plugs are collected, they can be used for future construction.

## Roundup and poison ivy control

**Problem:** Can Roundup be used to control poison ivy plants? Some are growing on tree trunks. When is the best time to treat? (Ohio)

**Solution:** Roundup can be used to control poison ivy plants. A representative from the Monsanto Company, manufacturers of Roundup, indicates that an application of 2 percent solution when the plants begin to turn leaf color in late summer or fall would provide effective control of poison ivy within seven to 10 days. If the plants are growing up a tree, one must try to cut down most of the vines and then apply the treatment. Avoid any material drifting onto green tissue of non-target, desirable plants because Roundup can cause injury. Read and follow label specifications for best control.



Balakrishna Rao is Director of Lawn Care Technical Resources for The Davey Tree Co., Kent, Ohio.

Questions should be mailed to Problem Solver, Weeds Trees & Turf, 7500 Old Oak Boulevard, Cleveland, OH 44130. Please allow 2-3 months for an answer to appear in the magazine.

# PRODUCTS

## Reconditioned sweepers offer low-cost service

Reconditioned Tennant sweepers can mean extra savings and expanded services to the landscaper and lawn care operator.

Reconditioned sweepers can be used to clean and maintain parking lots, access roads, sidewalks, and other hard outdoor surfaces.

The wide variety of walk-behind and rider sweepers are reconditioned by factory-trained mechanics in au-



thorized Tennant Company service centers, according to Tennant. The machines pass rigorous performance tests to guarantee that all systems work properly. They come with a 90-day warranty on all components except normal wear items.

Circle No. 190 on Reader Inquiry Card

## Lesco spreader makes granular application easy

Lesco's gasoline-powered, hydraulic-driven spreader enables the operator to select a constant speed, from zero to four miles per hour, thus providing a constant rate and a cost savings.

For application of granular material, the Lesco spreader features an 80-pound capacity polyethylene hopper, corrosion-resistant Delrin 100 gears, and third hole on shut-off plate with adjustable metering slide for varying product bulk densities.

The spreader is powered by a 3-hp recoil Briggs & Stratton Industrial-

Commercial engine. A hopper cover to protect the product and allow transportation without spillage is available as an option.



Circle No. 191 on Reader Inquiry Card

# SOIL SEAL

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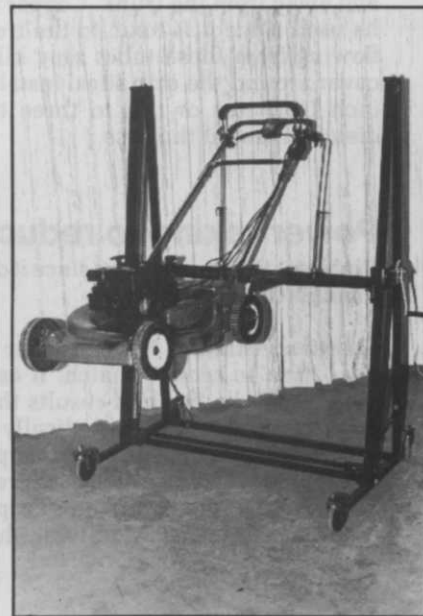
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Circle No. 160 on Reader Inquiry Card

## Jiffy Lift makes mower servicing easier

The Jiffy Lift can alleviate the problem faced by many lawn mower repairmen: how to lift the mower and then suspend it to make the necessary repairs.

With the Jiffy Lift, the mower is clamped in the lift so that it is suspended in space without any obstructions to interfere with work to be performed. Any working level up to five feet is possible. The Jiffy Lift is available in different sizes and models.



Circle No. 192 on Reader Inquiry Card

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## Conversion to dual fuels can mean savings

A program that helps save money and trains students — that's one of many reasons why Hocking Technical College in Nelsonville, Ohio, remains a stable institution.

The two-year college is moving toward energy self-sufficiency through vehicle conversion to dual fuels—traditional gasoline and natural gas. The program also serves as a student training program. At Hocking Tech, a student learns and produces.

The school's vehicle fleet is undergoing natural gas conversion, taking advantage of the school's abundant supply. Hocking Tech draws from nine producing wells located on the college's 250 acres.

(Students are also trained in oil-well drilling and production on both rotary and cable tool rigs, while at the same time providing natural gas.)

The converted vehicles include those driven by admissions counselors visiting high schools throughout the state and buses transporting students to campus.

Hocking Tech president Dr. John J. Light drives a vehicle sporting a "powered by natural gas" sticker in the back window.

The conversion doesn't stop there. A truck and sprayer have recently been converted to natural gas. Both were a gift from the Davey Tree Company of Kent, Ohio (February, 1986, WT&T).

Hugh Morton, director of the Institute for Forest Industries Training at Hocking Tech, says that conversion is especially important.

"The truck and sprayer are used in



Tanks for storing natural gas are installed as a part of the conversion to dual fuel operation by participants in a seminar on natural gas conversion at Hocking Technical College in Nelsonville, Ohio.

residential areas and the engine is left running while the spraying is being done," he says. "Natural gas is clean burning and will emit far less pollutants in the air."

Students attending the publicly-funded college can obtain a degree in tree care and timber harvesting, that includes an intensive 11-week program in tree care.

Clean burning is just one advantage of natural gas, says Jerry Hutton, director of the automotive and oil well drilling and production programs.

"The alternate fuel has an outstanding ability to start in cold weather and

because the ignition temperature is 300 degrees higher than gasoline, it's safer. Because it's lighter than air it rises into the atmosphere," says Hutton.

Longer engine life is also a feature of natural gas conversion.

Hutton says the cost of converting the truck and sprayer was \$2,300.

He notes a fleet of five vehicles can make conversion cost-efficient.

The process is gaining support not only for those seeking energy self-sufficiency but for larger fleet owners such as international airports and taxi delivery companies throughout the U.S. and Canada.



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# CLASSIFIEDS

**RATES:** \$1.00 per word (minimum charge, \$25). Bold face words or words in all capital letters charged at \$1.25 per word. Boxed or display ads: \$85 per column inch-1x (one inch minimum); \$80-3x; \$75-6x; \$70-12x. Agency commissions will be given only when camera-ready art is provided by agency. For ads using blind box number, add \$5 to total cost of ad. Send ad copy with payment to Dawn Nilsen, WEEDS TREES & TURF, 1 East First Street, Duluth, MN 55802 or call 218-723-9200.

**BOX NUMBER REPLIES:** Mail box number replies to: WEEDS TREES & TURF, Classified Ad Department, 1 East First St., Duluth, MN 55802. Please include box number in address.

## BUSINESS OPPORTUNITIES

Established Colorado grounds maintenance business; good reputation in community; 1700 customers; profitable; \$165,000. Rhys Christensen, (303) 493-7990. 9/86

**WANT TO BUY OR SELL** a golf course? Exclusively golf course transactions and appraisals. Ask for our catalog. McKay Golf and Country Club Properties, 15485 N. East Street, Lansing, Michigan 48906. Phone (517) 484-7726. TF

## HELP WANTED

Millikin University is seeking a Supervisor of Grounds. Primary responsibility includes care of lawns, athletic fields, trees and shrubs on campus. Preference will be given to persons having a successful experience in supervision and management roles with a thorough knowledge of pruning, pest control, fertilization, turf grass maintenance. Possession of an Illinois Certified Pesticide Applicator License or ability to obtain within three months of employment. A degree in Horticulture is preferred. Submit resume to: Millikin University Personnel Office, Decatur, IL 62522. An EEO employer. 9/86

**PROJECT MANAGER:** Excellent opportunity for career and goal oriented individual to work with a commercial landscape firm in Atlanta, Georgia. Must be experienced in all aspects of landscape construction and willing to assume total responsibility. Good salary, benefits and incentive program. Scapes, Inc., 404-956-7500. 10/86

**HELP WANTED:** Land Estimator - KT Enterprises, Inc. is expanding its landscape installation department & has a challenging new position in our fast growing firm for the right person with exceptional sales ability. Must be experienced in take-offs and costing. Progressive design/build firm doing business in Washington, D.C. Metro area. Excellent salary, benefits & growth potential. Call John Warren 703-922-8540. 9/86

**CHAIRPERSON GOLF COURSE/LANDSCAPE PROGRAMS:** Master's degree in Plant/Soil Sciences, Business/Public Administration and two years' experience in Golf Course/Landscape Operations. Earned Doctorate preferred. Responsibilities include student recruitment, administration, public relations w/industry, student placement, supervision of faculty/staff, minimal teaching. Salary negotiable based on experience/qualifications. Deadline: Open. Send resume to Lake City Community College, Rt. 3, Box 7, Lake City, Florida 32055. (904)752-1822 ext. 313. EA/EO EMPLOYER. 9/86

Landscape Architects/Supervisors (project foremen) join a nationally acclaimed firm looking to expand into its second generation Long Island area supports a high budget landscape industry. Year round employment, company benefits and continuing education available. Experienced and aggressive people send resume to: **GOLDBERG & RODLER, INC.**, 216 East Main Street, Huntington, New York 11743. 10/86

**Landscape Maintenance Foreman:** South Florida firm seeking individuals who are experienced in all aspects of maintenance including irrigation. Send resume to: G & E, 4540 S.W. 75th Ave., Miami, FL 33155. 9/86

**Sales Professional:** To the Greens Industries in Mid-Atlantic region; must have "2 years" sales experience selling to lawn care, landscape, and tree care firms. A good knowledge of the business and customer's needs is necessary. Excellent compensation package offered. Please send resume to: Moyer & Son, Inc., 113 East Reliance Road, Souderton, Pennsylvania 18964. Attn: Specialty Fertilizer. 9/86

**AGRONOMIST - Lawn Doctor,** the nations leader in franchise lawn care, is seeking an individual to join our national staff. Position involves working with franchises on turf program development, training, safety, and regulation. BS Agronomy with warm and cool season turf experience and strong communication skills required. Must be willing to travel and relocate. Resume and salary history to Lawn Doctor, P.O. Box 512, Matawan, NJ 07747. 9/86

An extremely progressive private Country Club in St. Louis is seeking a Greens Superintendent. Must excel in training, follow through and organization. Hands on experience and knowledge of soils, chemicals, irrigation, manicuring, equipment and turf, especially Zoysia is essential. We are seeking a professional that is dedicated to excell. Excellent salary and outstanding benefits. Send resume only (No Calls Please) to: Westborough Country Club, 631 South Berry Road, St. Louis, MO 63122. 9/86

**Irrigation Designer & Installation Supervisor—** Experience a must!! Send resume to P.O. Box 157, Fairburn, GA 30213. 9/86

**EASTERN NEW YORK AND VERMONT IRRIGATION MANAGER**—Seeking qualified manager for full time position to build up Irrigation sales to Golf Courses, Municipalities, Residential/Commercial Contractors. Must have some knowledge of design. All company benefits. Please respond to: President, GEI, WTT Box 396. 9/86

**GOLF COURSE SUPERINTENDENT - 18 hole,** daily fee course located in Western Illinois seeks a knowledgeable and enthusiastic Superintendent to assume responsibility 12-1-86. Budgeting, planning, supervisory skills, turf grass and problem solving skills required. Please send a written resume along with salary requirements to WTT Box 398. 9/86

**LANDSCAPE MANAGEMENT SALES REPRESENTATIVE** — Opportunity for Right Person - Join an established firm with 40 years in Landscape Field. Located in Midwest - large metro area. Position requires an understanding of Green's Industry - in particular Landscape Management. Individual must have 2 years experience with 1 year minimum in commercial maintenance operation. Position involves sales to large residential clients and development of commercial sales to large residential and development of commercial market. Established list of accounts will be provided - salary based on commission. Send resume to WTT Box 397. 9/86

MS Entomology/30 years experience in Pest Management of Horticulture, plants, trees and turf. Was selected in top 50 ag consulting firms of U.S. Contract research with all pesticides, P.G.R., biotech compounds, fertigation and application techniques. Interested in contracts or employment with expanding firms in Western U.S. (AZ and CA). P.O. Box 4781, Yuma, AZ 85364. 9/86

## Management Opportunities

For over 100 years, Anheuser-Busch Companies' performance has depended on people who strive to surpass their last achievement. Nutri-Turf, Inc., one of the most exciting and innovative subsidiaries of Anheuser-Busch, is currently involved in expanding and developing its sod and sprig growing operations. We have openings for qualified individuals who are interested in career opportunities in the sales and farm management field.

If you are a creative, aggressive person with experience in turf management, and possess good communication skills, a B.S. degree in Agronomy or related degree, we would like to speak with you.

We can offer the compensation you would expect from a company that recognizes its employees as its most important asset. For consideration, send your resume to: **NUTRI-TURF, INC.; One of the Anheuser-Busch Companies; Corporate Employment; Department BAR-J; One Busch Place; St. Louis, Missouri 63118.** An Equal Opportunity Employer M/F.

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Major fertilizer producer needs aggressive sales professionals in the Northeast/Mid-Atlantic/South/Midwest region. BS degree in related area plus 2-4 years experience selling to distributors. Growth opportunity. Competitive compensation package. Call for more information 1-800-537-3370, in Ohio 1-800-472-3220 or reply with resume to: **James J. Peters, Employment Manager.**

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Equal Opportunity Employer

Fleet Superintendent/Equipment Coordinator to perform maintenance on diesel/gas equipment 80 h.p. to 1 h.p. and coordinate the use of equipment for a grounds maintenance service company throughout the state of Florida. Please send resume to **Quandt-Ayer Enterprises, P.O. Box 271880, Tampa, FL 33688.** 1/87

**FOREMAN LANDSCAPE/ARBORIST:** Excellent pay and benefits package. Immediate increase over your current salary. MCA and pesticide license helpful. Must be experienced in shade tree and ornamental pruning, planting and removals. Should be able to organize and lead a crew. **Needham, MA. Call 617-444-0994.** 9/86

Sales and Service person needed in Virginia Beach area. Only experienced, licensed applicators with excellent customer service skills will be considered. Send resume and references to: **Lawn Medic of Tidewater, P.O. Box 1786, Chesapeake, VA 23320.** TF

**SALES AND SERVICE:** Rapidly expanding Central Florida turfgrass producer requires knowledgeable person to assume all marketing functions. Salary plus bonus and benefits. Our employees know of this ad. Reply to **WTT Box 399.** 9/86

## Manager of National Landscape Division

Barefoot Grass Lawn Service is looking for a Horticulturist to develop and manage our national Landscape Division. The right person will have a thorough knowledge of landscape horticulture as it applies to various regions nationwide.

If your technical expertise and job experience demands challenge and growth within an executive management environment, we want to talk with you.

If you have a Ph.D. in Horticulture, a related science, or an MS and appropriate work experience, send your resume and salary history to: **W. Page Mays, Jr., Vice President of Operations, Barefoot Grass Lawn Service, Inc., 1018 Proprietors Rd., Worthington, OH 43085.**

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**OUTSTANDING OPPORTUNITY FOR AN ARBORIST** with sales management experience to join rapidly growing, full-service tree care company. All benefits and incentives. Call or send resume to **SAV-A-TREE OF WESTCHESTER, INC., c/o Daniel Van Starrenburg, 225 Railroad Ave., Bedford Hills, NY 10507, 914-666-8202** 9/86

Irrigation Specialist to manage Irrigation Division for Commercial Landscape Contractor in the Washington, D.C., Baltimore, Maryland area. Experience should include 2 years field related experience, management skills, sales ability. Excellent salary and benefits with bonus option. All applications held in strictest confidence. Forward resume to: **Personnel Administrator, P.O. Box 10862, Rockville, MD 20850.** 9/86

### HELP WANTED—PESTICIDE APPLICATOR—

Position for trained, educated and experienced Turf and Ornamental Applicator to work with a grounds care corporation. The general scope of the work will include diagnosis and control of insects and disease on bluegrass and ornamental shrubs. We offer excellent benefits and the opportunity to work with imminent professionals. Send resume and salary history.

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#### TROPICAL PLANT MAINTENANCE FOREMAN

Position for trained, educated, experienced and working tropical plant maintenance foreman to work in office situations in Westchester and Fairfield Counties full time. Car preferred but not required. We offer excellent benefits and an opportunity to work with imminent professionals. Please send resume and salary history.

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**LANDSCAPE CONSTRUCTION SUPERVISOR—** Rapidly growing mid-south landscape contractor is seeking a well-trained, self-motivated individual for its new division office. Five years minimum experience with knowledge of scheduling, purchasing in multi-crew supervision. Send job and salary history to: **Reinhold Landscape, 3388 Cazassa, Memphis, Tennessee 38116.** 9/86

**HELP WANTED—A** diversified growing landscape company in the Northeast is looking for experienced people for Landscape Design, Construction and Maintenance as Supervisors and Managers. Salary to be determined by experience. Send Resume including work and salary history to: **Control Env. Services, Inc., 2605B Durham Road, Bristol, PA 19007, Attn: J.R.B.** 9/86

**LANDSCAPE MAINTENANCE.** Top notch Washington D.C. area landscape firm is looking for a responsible foreman to do residential maintenance, emphasizing quality tree, shrub and bed care. We are also seeking a spray technician trainee to assist with our integrated pest management program etc. Good pay with benefits. No weekend work. Willingness to work hard and produce is essential. Related education or experience preferred. Send resume and references to: **Garden Gate Landscaping, 821 Norwood Road, Silver Spring, MD 20904.** 9/86

**LANDSCAPE LABORERS & FOREMEN—** Experience a must!! Call 404-964-9998. 9/86

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**FOR SALE: MIGHTY - SPIKE AERATOR, WITH DOUBLE BIN SEEDER - \$1400 - GOOD CONDITION. WANTED TO BUY: RYAN SPIKEAIRE - ANY CONDITION. (201) 664-1665.** 11/86

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Hydro Seeder 1977 Bowie Trailer mounted, 60 horse Ford Engine. 1961 Case W5 Bucket, Forks. 1971 3400 Ford Loader, Forks, Gannon Blade. 6 ton Equipment Trailer. Best Offer. 515-432-6843. 9/86

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### LAWN MAINTENANCE

We are interested in acquiring commercial and residential lawn maintenance companies or customer lists for cash. Prefer volume to be \$250,000 or above. If you are located in the Midwest, East, or South, we want to talk with you.

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1033 Dublin Rd.  
(614)481-8873

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**WANTED:** Large Lindig and Royer Shredders. Lewis Equipment. 320 Third Street S.W., Winter Haven, FL 33880. (813) 294-5893. 4/87

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Contact our agents:

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**BUCKET TRUCKS**, Straight Stick, Corner Mount and Knuckle Boom Cranes. Brush Chippers - New Morbark Disc Type, New Woodchuck Drum Type. Best prices anywhere. Used Chippers - Asplundh, Woodchuck, etc. 2 to 8 usually in stock. Sprayers, Dumps, stakes, Log Loaders, Crew Cab Chip Box Dumps, Railroad Trucks, 50 in stock. Sold as is or reconditioned. Opykye's Hatfield (Philadelphia Area) 215-721-4444. TF



Spray trucks, lawn, tree, and landscape maintenance, 1-ton and 2-ton. Reconditioned-ready to spray-Models 1976 through 1985.

**Call 303-422-7608 for information.**  
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**BUCKET TRUCK:** Hi Ranger 65', 57', 50'. Skyworkers with chip boxes. Asplundh bucket trucks with chip boxes. Asplundh brush chippers. Bean 55 gal. sprayers. Parkway Equipment Company, 633 Cecilia Drive, Pewaukee, WI 53072. 414-691-4306. TF

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## MISCELLANEOUS

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