When it comes to preventing the broadleaf and grassy weeds that most often plague your customers' turfgrasses, PRE-M® preemergent herbicide is right on target. Why pay more for other products when, time after time, university trials prove that PRE-M offers you better overall performance combined with unmatched value?

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Dramatic new vertical-path lift-arm design means improved jobsite performance.

Innovative G-Series cab design provides roomy comfort for operators of all sizes.

New high-output halogen headlamps provide excellent jobsite illumination.

Easy-to-reach controls and easy-to-view instrumentation. Other optional amenities include an electrical power port and a dome light.

Large front opening for easy entry and exit.

Rear pivot seat bar accommodates larger operators with ease, and doubles as a convenient armrest.

New high-flow (27 gpm) auxiliary hydraulics option now available for operating high-flow attachments.

Dual-mode auxiliary hydraulics switch in cab allows operator to choose between instant on-off or variable flow for improved attachment performance.

Other options include a super-efficient cab heater, easily removable side and top windows (for cleaning), easy-to-operate Advanced Hand Controls and full suspension seat.

Introducing the new standard of design, productivity and comfort! The Bobcat 773 G-Series loader delivers a wide range of innovative operator-friendly features and exciting new value-added options. It all adds up to The Bobcat Advantage... total value that can't be matched.

Green Book 2000

4. On the Record
Information made easy
By: Sue Gibson

6. Events
Who, what and where.

10. Key Associations
Key associations and their programs: ALCA, ANLA, ASLA, IA, NAA, PGMS, PLCAA, STMA, TPI

12. Green Industry Associations
These regional, local and national organizations have programs that may serve your needs.

30. University Contacts
These state resources might be the perfect contacts for your information needs.

36. Web Central
Here's the latest, most intriguing sites devoted to our industry. Many link to hundreds more sites.

Quick Reference Tech Guide

40. Insects
Key pests of cool- and warm-season climates

42. Diseases
Cool- and warm-season turf diseases

44. Turf & Ornamentals
Selection and maintenance tips

48. Weed Control
Materials and methods that work

50. Operations
Ideas for a smoother, better operation

52. Editorial Index
► Features ► News stories ► Author index

56. Green Book Directory
► How to guide ► Suppliers ► Distributors ► Product index

107. Products & Services Index

147. Classified

150. Ad Index
Information made easy

It’s no accident that the most successful people are often the most organized. They’re organized all the time, with or without day planners, pocket “pals,” voice mail, e-mail, snail mail, personal assistants, teleconferences, faxes, video conferences, and more.

Organization is a personal challenge for me — one that takes constant effort, especially since there are so many new people, responsibilities and ideas that enter my life, as they probably do yours. It takes time to organize, and although it isn’t the most “fun” thing I do, I never regret it.

That’s why it was a great exercise last summer, when we reorganized the “Green Book 2000” into something more organized and useful for you. We selected information we think will serve you most: event updates, university contacts, associations, key Web sites and technical reference materials you can use all year. But we also spent considerable effort redefining our new “yellow” pages section, starting on pg. 56.

This new format will make it easier to find the products, services, and suppliers you need. Our list of categories more accurately reflects the types of things you buy to design, build, install and maintain all types of landscapes. Look for expanded listings of hardscape and irrigation products, specialty maintenance equipment, business management services, specialty software and many others.

We want this to be the most useful directory ever — something that will save you time and solve your problems quickly. Maybe you can use it to get even more organized.

Is your organization organized?

Landscape Management is pleased to support the Skills Development Series, an ongoing training program for landscape professionals, sponsored by American Cyanamid. To learn more about how this program can improve your operations right from the start, attend the introductory seminar on Feb. 5, 2000, immediately following PLCAA’s Management Conference in Tampa. To reserve a spot, call PLCAA at 800/458-3466. You’ll be glad you did! — SG
FROM ONE PROFESSIONAL TO ANOTHER.

For more than 20 years, professionals like you have counted on Orthene® Insecticide. In recent years, Valent has added several other high-quality products to our Professional Products lineup, including Pinpoint®, a granular form of ORTHENE; Envoy®, your most practical grass herbicide choice; and Distance®, Fire Ant Bait, an effective new way to break the fire-ant life cycle and kill the entire colony.

For more information about our growing lineup of products and services, visit the Valent web site at www.valent.com or call 1-800-89-VALENT.

A Company You Can Grow With
January 2000

4-5 Maryland Turfgrass Conference & Trade Show, Timonium, MD; 301/345-4199.

4-6 Ontario Turfgrass Symposium, Toronto, Canada; 519/767-0758; www.open.uoguelph.ca/OTS

5-7 Mid-Atlantic Nursery Trade Show, Baltimore, MD; 410/882-5300; www.mants.com

5-7 Minnesota Nursery & Landscape Association Convention & Trade Show, Minneapolis, MN; 651/633-4987

6 New York State Turfgrass Association Northeast Regional Conference, Albany, NY; 800/873-8873

7-9 Greatest Show on Turf, Cobb Galleria Centre, Marietta, GA; 770/975-4123.

7 California Grounds and Landscape Seminar, Long Beach, CA; 909/636-3431

8 Western Nursery & Landscape Association Trade Show, Kansas City, MO; 202/789-5980, ext. 3006.

10-12 Nebraska Turfgrass Conference, Omaha, NE; 402/463-5418.

10-13 North Carolina Turfgrass Conference & Show, Charlotte, NC; 910/695-1333

10-14 Cornell Turfgrass Management Short Course, Ithaca, NY; 607/255-1792

11-13 Eastern PA Turf Conference & Trade Show, King of Prussia, PA; 814/863-3475; www.paturf.org

11-13 Kentucky Landscape Industries Winter Conference/Trade Show, Lexington, KY; 502/899-3622

12 Connecticut Nurseryman’s Association Winter Meeting, Waterbury, CT; 202/789-5980, ext. 3006.

12 Landscape and Nursery Expo 2000, Sacramento, CA; 916/448-2522

12-13 University of Pennsylvania Naturalistic Landscape Design Symposium, Philadelphia, PA; 215/247-5418


12-16 Sports Turf Managers Association Conference & Exhibition, St. Louis, MO; 800/323-3875

13 Green 'N Growin’ Show, Winston-Salem, NC; 202/789-5980, ext. 3006.

13-15 Winter Convention, Seattle, WA; Sponsored by Washington State Nursery & Landscape Association; 253/863-4482

14 Western Tree Management Symposium Arcadia, CA; 714/991-1900

15-16 University of Pennsylvania Naturalistic Landscape Design Symposium, New London, CT; 860/439-5060

15-20 Washington Association of Landscape Professionals and Oregon Landscape Contractors Association’s Leadership Conference, Kauai, Hawaii; 503/253-9091

17-20 Michigan Turfgrass Conference, Lansing, MI; 517/321-1660; michiganturfgrass.org

18-20 Midwest Turf Expo, Indianapolis; Sponsored by Midwest Regional Turf Foundation; 765/494-8039

18-20 Mid-America Green Industry Convention, Kansas City, MO; 816/561-5323


20 Idaho Horticulture Show, Boise, ID; 800/462-4769

20 American Nursery & Landscape Association’s 125th Anniversary Gala Dinner, Chicago; 202/789-2900; www.anla.org

20-22 Tropical Plant Industry Exhibition, Ft. Lauderdale, FL; 800/375-3642

20-22 WinterGreen 2000, Atlanta; Sponsored by the Georgia Green Industry Association; 706/632-0100

24-26 Central Environmental Nursery Trade Show (CENTS) 2000, Columbus, OH; www.phcv.org

24-28 Cornell Turfgrass Management to Preserve Water Quality Short Course, Ithaca, NY; 607/255-1792

25-27 Virginia Turf & Landscape Conference & Trade Show, Richmond, VA; Sponsored by Virginia Turfgrass Council; 540/942-8873

27 Northeastern PA Turf School & Trade Show Wilkes-Barre, PA; 814/863-3475; www.paturf.org

28 New England Grows, Boston; Sponsored by Associated Landscape Contractors of Massachusetts, Massachusetts Arborist Association, Massachusetts Nursery and Landscape Association, and New England Nursery Association; 202/789-5980, ext. 3006.

28 Illinois Landscape Contractors Association’s Annual Excellence in Landscape Awards Program, Oak Brook, IL; 630/472-2851

29 Gulf States Hort Expo, Mobile, AL; 202/789-5980, ext. 3006

31-Feb. 1 Illinois Landscape Contractors Association’s Winter Conference Lansing, MI; 517/482-5530

March

1 The Nassau Suffolk Landscape Gardeners Association Annual Professional Turf & Plant Conference, Huntington, NY; 516/665-2250

2-5 Wichita Lawn, Flower and Garden Show, Wichita, KS; 316/721-8740

6-9 New England Regional Turf Conference & Show, Providence; Sponsored by New England Turf Association; 401/848-0004

9-10 Ohio State University Sports Turf Short Course, Strongsville, OH; 614/292-4230

9-12 Associated Landscape Contractors of America Student Career Days Starkville, MS; 800/395-2522; www.alca.org

11 Illinois Landscape Contractors Association’s Semiannual Landscape Equipment Auction, Crystal Lake, IL; 630/472-2851

11-19 Chicago Flower and Garden Show, Chicago, IL; 312/321-0077; www.chicagoflower.com

15-20 National Arborist Association Winter Management Meeting, Bermuda; 603/673-3311

23 Nevada Landscape Association Trade Show and Conference, Las Vegas, NV; 775/673-0404; www.nevadanla.com

24 New York State Western Regional Turfgrass Conference, Buffalo, NY; 518/783-1229; www.nysta.org

24-26 Capital District Garden & Flower Show, Troy, NY; 518/356-6410

April

9 New York State Turfgrass Association Adirondack Regional Conference, Lake Placid, NY; 800/873-8873
9-12 North American Snow Conference, Traverse City, MI; Sponsored by the American Public Works Association; 816/472-6100

June
15-16 Warm Season Turfgrass Research Tour, Maricopa, AZ; Sponsored by Pennington Seeds and Seeds West; 520/783-2050

July
13-16 ANLA Convention & Executive Learning Retreat, Vancouver, BC; 202/789-2900
15-18 Texas Turfgrass Association Conference and Show, Galveston, TX; 409/690-2201
19-21 Turfgrass Producers International Summer Conference & Field Days, Spokane, WA; 800/405-TURF
22-24 International Lawn, Garden and Power Equipment Expo, Louisville, KY; 502/562-1962; expo.mow.org
24-25 PLCAA's Legislative Day on the Hill & Arlington Renewal Project, Washington, DC; 800/458-3466; www.plcaa.org

September
7-8 Southwest Horticultural Trade Show Phoenix, AZ; Sponsored by the Arizona Nursery Association; 480/966-1610

October
28-30 2000 American Society of Landscape Architects Annual Meeting and Expo, St. Louis, MO; 202/898-2444

November
1-3 Eastern Regional Nurserymen's Association Expo 2000, Atlantic City, NJ; 800/376-2463
3-7 Green Industry Expo & Conference (PLCAA, PGMS, ALCA), Indianapolis, IN; 800/458-3466
9-11 Tree Care Industry Expo, Charlotte, NC; National Arborist Association; 800/733-2622; www.natlarb.com
12-14 20th International Irrigation Show (Irrigation Association), Phoenix, AZ; 703/573-3551; www.igation.org
14-16 Virginia Turf & Landscape Conference & Trade Show, Virginia Beach, VA; 540/231-9738
14-16 New York State Turfgrass Association Conference & Show, Syracuse, NY; 518/783-1229; www.nysta.org

December
5-7 Ohio Turfgrass Foundation Conference and Show, Columbus, OH; 888-683-3445
12-14 New Jersey Turfgrass Expo, Atlantic City, NJ; 732/821-7134; www.nj turfgrass.org

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Key Associations / GreenBook 2000

**Associated Landscape Contractors of America**
150 Eldon St., Suite 270
Herndon VA 20170
800/395-ALCA
Fax: 703/736-9668
EMail: debraholder@alca.org
http://www.alca.org

President: Steven Glover, CLP
President Elect: Emily Thompson
Secretary: Drew St. John II, CLP
Immediate Past President: Cynthia Peterson, CCLP
Executive Director: Debra Holder
Directors: J.Landon Reeve, Kurt Kluznik, Gary Ott, Ronald E. Schmoyer
Certification Programs:
Certified Landscape Technician (Interior & Exterior)
Certified Landscape Professional (Exterior & Interior)
Immediate Past President: Cynthia Peterson, CCLP
Directors: J.Landon Reeve, Kurt Kluznik, Gary Richard J.Ott, Ronald E. Schmoyer
Executive Director: Debra Holder

**American Nursery & Landscape Association**
1250 I St. NW, Suite 500
Washington, DC 20005-3922
202/789-2900
Fax: 202/789-1893
http://www.anla.org
President: Thomas Pinney Jr.
Executive Vice President: Robert J. Dolibois
Vice President: Louis Hillenmeyer III
Treasurer & Region 4 Director: Dale L. Bachman
Director-at-Large: Edward S. Porter
Region I Director: R. Wayne Mezitt
Region III Director: Robert Orum
Region V Director: James M. Zangger
Region VI Director: Gary E. Briggs
Key Events:
Feb. 6-9 ALCA Executive Forum in Las Vegas, NV
March 9-12 ALCA Student Career Days at Mississippi State University, Starkville, MS
Nov. 4-7 Landscape & Grounds Maintenance Conference, Indianapolis

**National Arborist Association**
Route 101
P.O. Box 1094
Amherst NH 03031-1094
603/673-3311
Fax: 603/672-2613
EMail: naa@natarb.com
http://www.natarb.com
President: John R. Wright
President Elect: James C. Allard
Treasurer: Tim A. Johnson
Directors: Rusty Giroud, Gregory S. Daniels, Thomas J. Goion, Dan Christie, John C. Britton, Mark Shipp
Correspondence Courses: Home Study Courses in Arboriculture
Electrical Hazard Awareness Program
Key Events:
Feb. 15-20 Winter Management Meeting in Bermuda
Nov. 9-11 Tree Care Expo, Charlotte, NC
Workshops throughout the year

**Irrigation Association**
8260 Willow Oaks Corporate Drive
Fairfax, VA 22031
703/573-3551
Fax: 703/573-1913
EMail: info@irrigation.org
http://www.irrigation.org
President: Dave Ramsey
Vice President: Rex Dixon
President Elect: Dennis Schwieter
Treasurer: Adam Skolnik
Executive Director: Thomas H. Kimmell, CLIA
Board of Directors: Michael E. Bousquet, Frank Busam, Mel Canterbury, Robert D. Dobson, Scott D. Knowles, Lex Michael Mason, John W. Osa, Stuart W. Styles, Susan S. Thayer, Lynda R. Wightman
Key Event:
Nov. 11-14 International IA Irrigation Show, Phoenix, AZ

**Professional Lawn Care Association of America**
1000 Johnson Ferry Road NE, Suite C-135
Marietta GA 30068
770/577-7622
800/458-3466
Fax: 770/578-6071
EMail: pclaa@atcom.net
http://www.pclaa.org
President: Gerald Grossi
President Elect: Michael Kernaghan
Vice President: Bill Hoopes
Executive Vice President: Tom Delaney
Secretary/Treasurer: Jon Cundiff
Immediate Past President: Robert Otty
Board Members: Vincent Tumminno, Gary La Scala, Steve Russell, Doug Hague, Charles King, Louis Kous, Adam A. Cheslock,
Johh Bass, Paul Harder, Chuck Mctire
Correspondence Courses: Principles of Turfgrass Management
Key Events:
Feb. 3-5 Management Conference & Expo Classic, Tampa, FL
July 24-25 Legislative Day on the Hill & Arlington National Cemetery Environmental Enhancement Project in Washington, DC
Nov. 3-7 Annual Conference, Indianapolis, IN

**Sports Turf Managers Association**
1375 Rolling Hills Loop
Council Bluffs IA 51503-8552
712/366-2669
Fax: 712/366-9119
EMail: sportstmgr@aol.com
http://www.aip.com/stma
President: Stephen Guise
President Elect: Richard Moffit
Commercial Vice President: Bob Curry
Executive Director: Steve Trusty
Secretary: L. Murray Cook
Treasurer: Bob Patt
Directors-at-large: Tom Burns, Lynda Wightman, Bob Campbell, Timothy P. Moore, Dave Rulli, Dr. Tony Koski
Immediate Past President: Mike Schiller
Key Events:
Jan. 12-16 STMA 11th Annual Conference & Exhibition, St. Louis, MO

**Turfgrass Producers International**
1855 A Hicks Road
Rolling Meadows, IL 60008
800/405-TURF
Fax: 847/705-8347
EMail: turfgrasssod.org
President: Bryan Wood
Vice President: Earl Black
Secretary-Treasurer: Tom Keene
Past President: Ben L. Copeland
Executive Director: Douglas H. Fender
Board of Trustees: Dale R. Burrie, Art Campbell, Stan Gardner, Mark Huggard, J. Robert Hummer, Arthur Milberger, Mike Ward
Key Events:
Feb. 8-12 Midwinter Conference & Expo, San Antonio
July 19-21 Summer Conference and Field Days, Spokane, WA