Grape References for Pennsylvania Growers

where to get information

Production Guides

2004 New York and Pennsylvania Pest Management Recommendations for Grapes. This publication, updated annually by Cornell and Penn State Cooperative Extension, offers current pest management recommendations. Obtain from Cooperative Extension offices in New York or Pennsylvania counties or from the Publications Distribution Center, The Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802. Phone: 814-865-6713 for information, 877-345-0691 for Visa or Mastercard orders; or visit pubs.cas.psu.edu. $7.50. (Note that this publication is revised annually, with the latest edition available in April. Price may change.)

Compendium of Grape Diseases, by R. C. Pearson and A. C. Goheen. 1988. Serious growers should have this book. Along with disease information, it has a brief section on grape biology, as well as information on nonpathogenic disorders of grapes. APS Press, 3340 Pilot Knob Road, St. Paul, MN 55121. Phone: 800-328-7560. 93 pp. $49 + $6 shipping. Checks payable to APS.

Grape IPM in the Northeast. All grape growers should have this excellent resource. It includes 16 single-page fact sheets with color photographs, as well as a collection of other fact sheets and information. Cornell Cooperative Extension, Finger Lakes Grape Program, 417 Liberty Street, Penn Yan, NY 14527–1130. Phone: 315-536-5134. Fax: 315-536-5117. Checks payable to Finger Lakes Grape Program.

Grape Pest Management (Publication 3343). 1992. This excellent publication has extensive information and color plates on grape diseases and control. Because it is written for the grape industry in California, the severity of some diseases will vary from that found in the Northeast, but it is still a useful resource. View on-line at www.ipm.ucdavis.edu/PMG/selectnewpest.grapes.html. Order paper copies from Communications Services, University of California, 6701 San Pablo Ave., Oakland, CA 94608. Phone: 800-994-8849. 312 pp. $70.


Oregon Viticulture, edited by Dr. Ed Hellman. This descriptive publication has useful information on cultivars, training, and other topics, but some of the content applies more to culture under the moderate climate of the Pacific Northwest. Oregon State University Press. Phone: 541-737-3166. Web site: oregonstate.edu/dept/press


The Mid-Atlantic Winegrape Grower’s Guide. 1995. Tony Wolf and Barclay Poling. This wonderful publication is particularly useful for growers in southeastern Pennsylvania. It...
contains much up-to-date information on
everything from varieties to canopy
management. View on-line at
www.ces.ncsu.edu/resources/
winegrape/. To order, send $20 (checks
payable to North Carolina State University)
to Publications Office, Department of
Agricultural Communications, North
Carolina State University, Campus Box
7603, Raleigh, NC 27695–7603. Phone:
919-733-7887. Currently being updated.

Brian Coombe and P. R. Dry. Winetitles.
ISBN 1-875130-10-1. An excellent, in-
depth guide to growing grapes from an
Australian perspective. Order from the
Wine Appreciation Guild, 360 Swift
Avenue, South San Francisco, CA 94080.
Phone: 800-231-9463. Fax: 650-866-3513.

Vineyard Establishment I and II. 1997. (Exten-
sion Bulletins E-2644 and E-2645). Tom
Zabadal. Two volumes: one on Preplant
Decisions ($) and another on Planting/
Early Care of Vineyards ($5). This is an
excellent grower resource on developing a
vineyard into its third year. Michigan State
University Bulletin Office, 10-B Agriculture
Vineyard, Michigan State University, East
Lansing, MI 48824-1039. Fax 517-353-
7168. Or visit ceeenet.msu.edu/
bulletin/citgmast.html.

Locating Books
Wine and grape publications, including
some of the books listed in the next
section, can be found at Amazon.com and
other Internet bookstore sites. Two excellent
resources with extensive wine-related book
lists are:

The Wine Appreciation Guild, 360 Swift
Avenue, South San Francisco, CA 94080.
Phone: 800-231-9463. Fax: 650-866-3513.
Web site: www.wineappreciation.com

Practical Winery and Vineyard also sells
viticulture and enology books. 15 Grande
Paseo, San Rafael, CA 94903-1534. Phone:
415-479-5819. Fax: 415-492-9325. Web site:
www.practicalwinery.com

Several of the books listed below are out of
print. Some may be found at used book
stores or located through them. Numerous
Web sites also offer services for finding
used books. Some let you find the books
yourself through an on-line search, then
provide you with information on used
bookstores that have the book. Others will
conduct a search for you. Two easy-to-use
sites are:

• BookFinder at www.bookfinder.com
• Used Book Finders at
  www.usedbookfinders.com

Amazon.com also has a book-locating
service on its site. All of the out-of-print
books listed below were obtainable though
one or more of the above methods as of
this printing.

General Reference Books
General Viticulture, 2nd ed., by A. J. Winkler, A.
This standard technical reference for grape
growing is directed at the California
industry, but much of the information is
applicable to vineyards in other locations.
736 pp. University of California Press,
Berkeley, CA. Phone: 800-822-6657.

Pennsylvania Wineries, by Linda Jones McKee
and Richard Carey. 1999. An up-to-date
guidebook to Pennsylvania’s wineries. It
includes maps and contact information.
Stackpole Books, Mechanicsburg, PA. 208
pp. Phone: 717-796-0411 or 800-732-
3669.

Small Fruit Crop Management, by G. J. Galletta
and D. G. Himelrick (eds.). 1990. This text
is very useful for those interested in other
small fruits as well as grapes. It is designed
as a reference rather than as a practical
guide to production. Prentice-Hall,
Englewood Cliffs, NJ. 608 pp. Phone: 800-
282-0693.

1986. This very descriptive book gives
information on common and not-so-
common grapes and wines. Alfred A. Knopf,

1998. This easy-to-read guide presents the
author’s views, some interesting history,
and good rules of thumb for vineyard
management. 240 pp. Order from the Wine
Appreciation Guild, 360 Swift Avenue,
South San Francisco, CA 94080. Phone:
800-231-9463. Fax: 650-866-3513. Web site:
www.wineappreciation.com

Winemaking in Eastern America: An Illustrated
Guide to Viniculture East of the Rockies, by Lucie
G. Morton. 1985. This well-written guide
has noteworthy cultivar descriptions and
useful historical information. It is a
pleasure to read. Cornell University Press,

Mullins, Alain Bouquet, and Larry E.
Williams. The definitive book on the
fundamental anatomy and physiology of
the grapevine, though it is more fundamen-
tal than some growers may like. Cambridge
University Press, Port Chester, NY. 239 pp.
Phone: 800-872-7423. Fax: 914-937-4712.
Web site: us.cambridge.org/books

Specialty Reference Books
Field Grafting, Parts I and II. For growers who
want to change cultivars, this is a useful set
of publications. Part I presents cultivar
options, and Part II offers step-by-step
details on how to graft existing vines in the
field with new scions. Cornell Cooperative
Extension, Finger Lakes Grape Program,
417 Liberty Street, Penn Yan, NY 14527-
1130. Phone: 315-536-5134. Fax: 315-
536-5117. Checks payable to Finger Lakes
Grape Program.

A Practical Ampelography: Grapevine Identifica-
from the French by Lucie T. Morton, is a
systematic key to identifying varieties by
leaf morphology. Cornell University Press,

Rootstock Seminar: A Worldwide Perspective.
1992. This reference is one of the few
sources of information available on
rootstocks. American Society for Enology
and Viticulture, P.O. Box 1855, Davis, CA
95617-1855. Phone: 530-753-3142. Fax:
530-753-3318. E-mail: society@asev.org
$40, shipping included.

Sunlight into Wine: A Handbook for Winegrape
Canopy Management, by Richard Smart and
Mike Robinson. 1991. Highly technical
publication useful for those interested in
managing wine quality with trellising and
training systems. The science of the various
systems is emphasized. Available through
Practical Winery and Vineyard Bookshelf, 15
Grande Paseo, San Rafael, CA 94903-1534.
Phone: 415-479-5819. Fax: 415-492-
9325.

Viticulture and Environment, by John
Gladstones. 1992. This thoughtful book
connects soil, climate, and vineyard
management with fine wine production. It
is not a how-to book.

Cover Cropping in Vineyards: A Grower’s Hand-
book, by Chuck Ingels et al. 1998. Univer-
sity of California Division of Ag and Natural
Resources. Publication 3338. This book
covers much more than just the practical
uses of cover crops in vineyards, including
weed and pest control, soil ecology, and
nematodes. Order from DANR Publications,
510-642-2431.

A Pocket Guide for Grape IPM in the North Central and Eastern U.S., edited by Rufus Isaacs et al. Michigan State University. Extension Bulletin E-2889. This is the perfect complement to the New York-Pennsylvania guide, with excellent photos and brief descriptions of diseases, pests, and physiological and chemical disorders of grapes. It is small enough to fit in your pocket and is meant to accompany you in the field. To order, call 517-353-6740.

General Farm and Vineyard Technology Information

Penn State has numerous publications on farm technology, including pesticide handling, sprayer calibration, and building plans. A few titles of general interest are listed below. They are free, unless otherwise noted. A complete list is available from the College of Agricultural Sciences Publications Distribution Center, The Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802. Phone: 814-865-6713 for information, 877-345-0691 for Visa or Mastercard orders; or visit pubs.cas.psu.edu. Many publications can be downloaded from this site; they are also available at Penn State Cooperative Extension county offices.

Introduction to Weeds and Herbicides (EC365)
Agrichemical Fact Sheet 5: How to Handle Chemical Spills (UO193)
Agrichemical Fact Sheet 7: Toxicity and Potential Health Effects of Pesticides (UO198)

Used Farm Equipment: Assessing Quality, Safety and Economics (NRAES-25) $7

Pesticide Sprayers for Small Farms (MD317) $7


Weed Identification Fact Sheets, Set 2 (AGRS-48). This excellent series (16 fact sheets) has color photographs of each weed at several stages of growth (including seedling) and detailed descriptions of life cycle and controls. You need this information if you produce horticultural crops.

Another series of publications is available through the Department of Agricultural and Biological Engineering. These fact sheets have information on equipment use, maintenance, and safety; sprayer calibration; composting; recycling; and much more. For a list, write to Agricultural and Biological Engineering Extension, 246 Agricultural Engineering Building, University Park, PA 16802. Phone: 814-865-7685. Fax: 814-863-1031. Web site: server.age.psu.edu/dept/extension/index.html

Most publications can be downloaded from this site. Here are a few examples:

Sprayer Nozzles. Agricultural Engineering Fact Sheet #B-78.

Agricultural Soil Compaction—Causes, Effects and Cures. Agricultural Engineering Fact Sheet #B-79.

Spray Drift Control. Agricultural Engineering Fact Sheet #B-110.


Tractor Overturn Hazards. Agricultural Engineering Fact Sheet #E-34.

Personal Protection from Pesticides. Agricultural Engineering Fact Sheet #E-35.

Pesticide Storage Building. Agricultural Engineering Fact Sheet #H-68.

Cornell also has an excellent publication of comprehensive information: Managing Weeds in New York Vineyards, Volume 1, numbers 1-5. Robert Pool, Richard Dunst, and Andrew Senesac. $2.50. Contact Cornell University Cooperative Extension Building, University Park, PA 16802. Phone: 814-865-6713 or 800-535-5670. Fax: 607-535-2998.

Trade Journals and Newspapers


Wine East is a bimonthly eastern viticulture and enology periodical that has expanded considerably in the past several years. It is useful for its many articles on wine-related issues as well as its emphasis on eastern viticulture, wines, and wineries. Subscriptions include the annual Wine East Buyers’ Guide. 620 North Pine St., Lancaster, PA 17603. Phone: 717-393-0943. Fax: 717-393-7398.

Directory and Products Guide is an excellent catalog of viticulture and enology product suppliers, processors, trade associates, maps, and educational centers. It is available from the publishers of the magazine VINEYARD and WINERY MANAGEMENT, 103 Third St., PO. Box 231, Watkins Glen, NY 14891. Phone: 607-535-7133 or 800-535-5670. Fax: 607-535-2998.

Wine Business Monthly reminds us that we are in the business of growing grapes and making wine. It is an important source of business news. It also contains high-quality grape growing and wine-making news. 867 West Napa Street, Sonoma, CA 95476. Fax: 707-939-0833.


Newsletters


Viticulture Notes, prepared by Tony Wolf, is directed at the Virginia wine industry but is an excellent source of information on cold hardiness of grapevines and other topics. It includes “Vintner’s Corner,” valuable wine-making information from Bruce Zoeklein. Alson H. Smith, Jr. Agricultural Research and Extension Center, 595 Laurel Grove Road, Winchester, VA 22602. Phone: 540-869-2560. Fax: 540-869-0862.
Long Island Fruit and Vegetable Update, Alice Wise, viticulture specialist, Cornell Cooperative Extension, Riverhead, Long Island, NY. Seasonal newsletter providing excellent practical information on all aspects of grape production. Phone: 631-727-7850.

The Maryland Grapevine, Maryland Grape Growers Association. Published regularly with many grower contributions as well as much regional extension and research information. Phone: 410-848-7577.

Grower Organizations in Pennsylvania

The Pennsylvania Wine Association (PWA) is the trade and lobbying organization for over 80 wineries in the state. It provides education and research funding and opportunities, and organizes wine festivals. Jenny Engle is the executive director. 411 Walnut Street, Harrisburg, PA 17101. Phone: 717-234-1844.

Pennsylvania Association of Winemakers (PAW) is a wine grower organization that represents over 85 vineyards in southern Pennsylvania. It is active in promoting and assisting grape growers through workshops, meetings, and other activities. Contact PAW, P.O. Box 400, Kemblesville, PA 19347.

The Pennsylvania Grape Growers Association (PGGA) represents growers in the Lake Erie area. Contact Tom Obourn for information. Phone: 814-725-1917.

The Lake Erie Regional Grape Industry Advisory Committee is an advisory committee to Penn State and Cornell for their Lake Erie area industry-based program. Contact Barry Shaffer at the Cornell Fredonia Lab. 412 East Main Street, Fredonia, NY 14063. Phone: 716-672-2191.

Wine-related Information

Wine analysis is critical for maintaining the consistently high quality of our wines. Cornell University’s Wine Analysis Laboratory performs any of 28 different analyses and works with wine producers to improve wine quality. The lab also conducts at least one educational program annually. For information, contact the Wine Analysis Laboratory, Food Science Technology, New York State Agricultural Experiment Station, Geneva, NY 14456. Phone: 315-787-2263 or 315-787-2277. Web site: www.nysaes.cornell.edu/fst/vb/

Wine Making as a Hobby. A Penn State classic, this publication was revised and re-released in 1995. It explains wine grape species and varieties, equipment, chemicals and other ingredients, and processes for producing wine at home. Recipes for wines are provided. Available from Penn State Cooperative Extension county offices or from the College of Agricultural Sciences Publications Distribution Center, The Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802. $10. Phone: 814-865-6713 for information; 877-345-0691 for Visa or Mastercard orders; Web site: pubs.cas.psu.edu

Bruce Zoeklein’s enology group delivers excellent information via an e-mail list and through his “Vintner’s Corner.” The group’s Web site also contains enology information: www.fst.vt.edu(extension/enology/index.html

Web Sites

A phenomenal amount of wine and wine grape information is available on the Internet. Here is a list of some regional and national Web sites that contain valuable information for all grape growers in Pennsylvania.

• Northwest Grape and Berry Infonet is an important site for all kinds of wine grape information, much of it applicable for Pennsylvania growers. Great links. berrygrape.oregonstate.edu/

• The Wine Grape Network is our own regional grape information resource from Penn State. Up-to-date meeting information and more. winegrape.cas.psu.edu

• Penn State’s Department of Plant Pathology has a series of fact sheets on the diseases most commonly found in Pennsylvania vineyards. Go to fpath.cas.psu.edu/factsite.html and click on disease of interest.

• The Penn State College of Agricultural Sciences has information of interest to all Pennsylvania wine at home. Recipes for wines are provided. Available from Penn State Cooperative Extension county offices or from the College of Agricultural Sciences Publications Distribution Center, The Pennsylvania State University, 112 Agricultural Administration Building, University Park, PA 16802. $10. Phone: 814-865-6713 for information; 877-345-0691 for Visa or Mastercard orders; Web site: pubs.cas.psu.edu

• North Carolina has a Web site full of practical wine grape information and links. www.ncwine.org/grapegrowing.htm

• Here are three Web sites from the Finger Lakes and Lake Erie regions with valuable information for grape growers: lenewa.netsync.net/public/lergphom.htm

www.cce.cornell.edu/programs/finger-lakes-grape

• The viticulture department at the University of California at Davis has a Web site that contains valuable resources for all grape growers: winserver.ucdavis.edu/

• The following has links to many wine- and grape-related sites: www.wineinfonet.com/home.jsp

Prepared by Barbara Bowling (formerly Goulart), former associate professor of horticulture; Mark Chien, wine grape extension agent; and Kathleen Demchak, senior extension associate

Visit Penn State’s College of Agricultural Sciences on the Web: www.cas.psu.edu

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This publication is available in alternative media on request.

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