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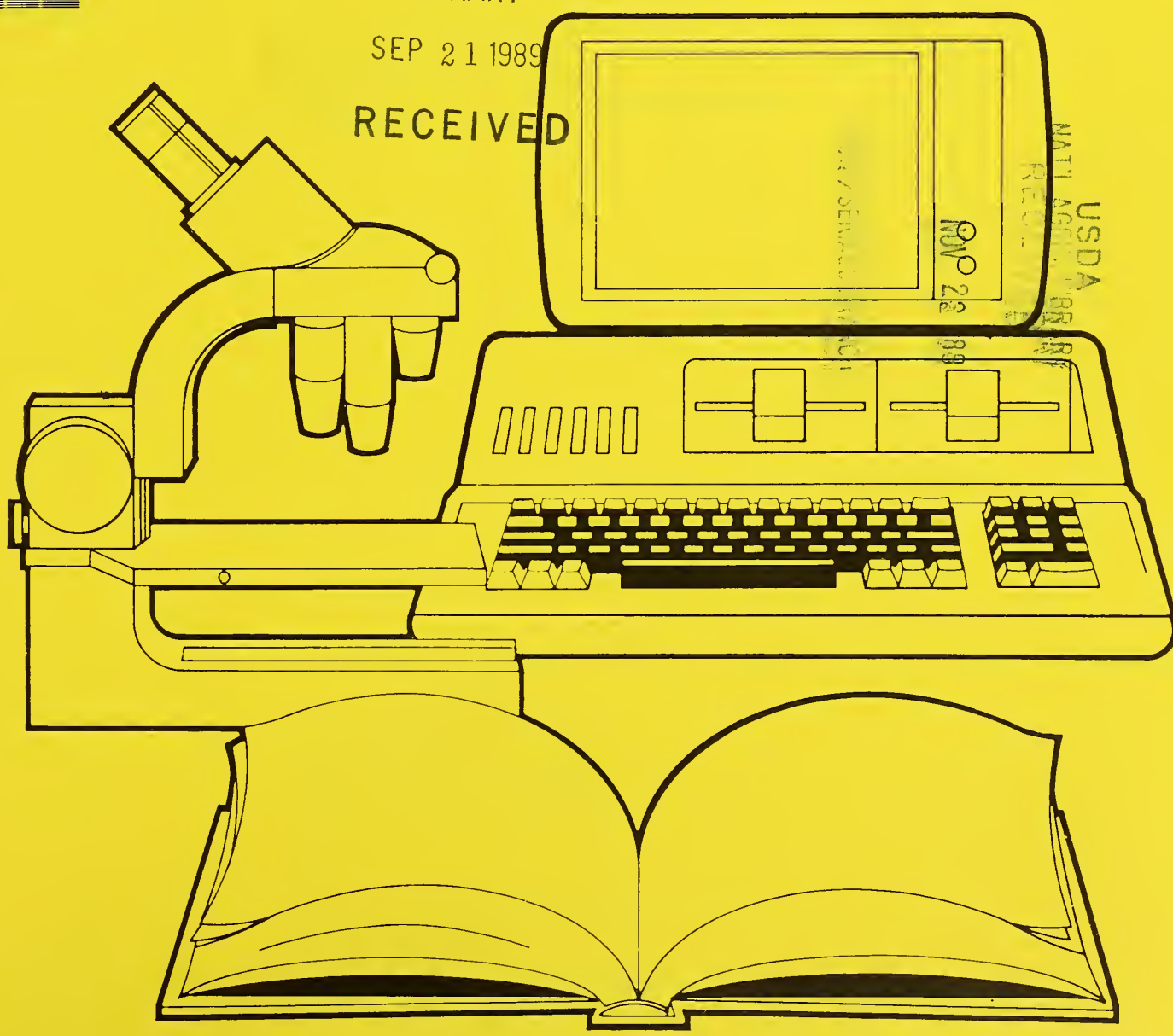
August 1989

The Protection of Grapes and Cherries, 1979-April 1989

Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations



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Citations from AGRICOLA Concerning Diseases and Other Environmental Considerations

Compiled and Edited by
Charles N. Bebee
National Agricultural Library

United States Department
of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

and

United States Environmental
Protection Agency
Office of Pesticide Programs
Washington, DC 20460

FOREWORD

This is the 30th volume in a series of commodity-oriented environmental bibliographies resulting from a memorandum of understanding between the U.S. Department of Agriculture, National Agricultural Library (USDA-NAL), and the U.S. Environmental Protection Agency, Office of Pesticide Programs (EPA-OPP).

This close working relationship between the two agencies will produce a series of bibliographies which will be useful to EPA in the regulation of pesticides, as well as to any researcher in the field of plant or commodity protection. The broad scope of information contained in this series will benefit USDA, EPA, and the agricultural community as a whole.

The sources referenced in these bibliographies include the majority of the latest available information from U.S. publications involving commodity protection throughout the growing and processing stages for each agricultural commodity.

We welcome the opportunity to join this cooperative effort between USDA and EPA in support of the national agricultural community.

JOSEPH H. HOWARD, Director
National Agricultural Library

DOUGLAS D. CAMPT, Director
Office of Pesticide Programs

INTRODUCTION

The citations in this bibliography are selected from the AGRICOLA database limited to those produced by North American authors. They cover articles or monographic publications added to the database from 1979 - April 1989.

This is the 30th bibliography in a series of commodity-oriented listings of citations from AGRICOLA jointly sponsored by the National Agricultural Library, U.S. Department of Agriculture (USDA-NAL), and the Office of Pesticide Programs, U.S. Environmental Protection Agency (EPA-OPP). Additional volumes issued recently are Plant Growth Regulators for Higher Plants, The Protection of Sugarcane and Sugar Beets, The Protection of Turf Grasses, The Protection of Hays, The Protection of Citrus, The Protection of Leaf Vegetables, The Protection of Root Vegetables, and The Protection of Corn. The 1989 volumes will include The Protection of Cotton, The Protection of Soybeans, The Protection of Wheat, The Protection of Small Fruits and Berries, The Protection of Ornamental Plants, The Protection of Farm Animals, The Protection of Wildlife, and Vertebrate Pest Control.

Entries in the bibliography are subdivided into a series of section headings used in the contents of the Bibliography of Agriculture. Each item appears under every section heading assigned to the cited document. A personal author index is also included in the publication.

The U.S. Environmental Protection Agency contact for this project is Richard B. Peacock, Office of Pesticides and Toxic Substances.

Any comments or questions concerning this bibliography may be addressed to the compiler and editor:

Charles N. Bebee
Special Services Branch
USDA-NAL, Room 1402
Beltsville, MD 20705
(301) 344-4077

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Facteau, T.J. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. Jan 1982. v. 107 (1). p. 151-154. Includes 19 ref. (NAL Call No.: 81 S012).

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AJEVA. Skene, K.G.M. Barlass, M. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1988. v. 39 (2). p. 125-128. Includes references. (NAL Call No.: DNAL 390.9 AM33).

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AJEVA. Wolf, T.K. Pool, R.M.; Mattick, L.R. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1986. v. 37 (4). p. 263-268. Includes references. (NAL Call No.: DNAL 390.9 AM33).

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Cummings, M. B. 1875-. Jenkins, E. W._1896-; Dunning, R. G._1889-. Burlington : Vermont Agricultural Experiment Station, 1933. 36 p., 4 p. of plates : ill. ; 23 cm. Bibliography: p. 36. (NAL Call No.: DNAL 100 V59 no.352).

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Lidster, P.D. Alexandria, Va., The Society. Journal of the American Society for Horticultural Science. July 1981. v. 106 (4). p. 478-480. 5 ref. (NAL Call No.: 81 SO12).

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Some effects of severity of pruning on growth and production in the Concord grape /by A.S. Colby and L.R. Tucker.
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Some observations on the control and measurement of fruitfulness in wine grapes (Inflorescence primordia in latent buds, morphological development).
Menary, R.C. Lombard, P.; Kohnert, R. Portland : The Society. Annual report - Oregon Horticultural Society. 1983. v. 74. p. 260-267. ill. Includes references. (NAL Call No.: 81 OR32).

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Storage of sweet cherries in controlled atmospheres / Harold A. Schomer and Kenneth L. Olsen .
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Studies on the "raisining" of Alexandria (Muscat) grapes in transit /by C.E. Asbury, C.O. Bratley, and W.R. Barger.
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Morris, J.R. Cawthon, D.L. Fayetteville, Ark., The Station. Arkansas farm research - Arkansas Agricultural Experiment Station. Mar/Apr 1981. v. 30 (2). p. 4. ill. (NAL Call No.: 100 AR42F).

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HJHSA. Chee, R. Pool, R.M. Alexandria, Va. : American Society for Horticultural Science. HortScience. Aug 1988. v. 23 (4). p. 776. Includes references. (NAL Call No.: DNAL SB1.H6).

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Summary results of 1982 trials to control cropping of wine grapes (Oregon).
Lombard, P. Baham, J.; Wilson, B.; Watson, B. Portland : The Society. Annual report - Oregon Horticultural Society. 1983. v. 74. p. 287-291. (NAL Call No.: 81 OR32).

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Testing vinifera grape varieties grafted on Phylloxera-resistant rootstocks in California /by George C. Husmann, Elmer Snyder, and Frederick L. Husmann.
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0170

Timing of zinc foliar sprays. I. Effects of application intervals preceding and during the bloom and fruit-set stages. II. Effects of day vs. night application (Zinc deficiency, grape yield).
Christensen, P. Davis, American Society of Enologists. American journal of enology and viticulture. 1980. v. 31 (1). p. 53-59. ill. 18 ref. (NAL Call No.: 390.9 AM33).

0171

Treatment of currants and cherries to prevent spot diseases /L.H. Pammel, G.W. Carver. Squirrel-tail grass or wild barley, (Hordeum jubatum L.) / by L.H. Pammel. The chemical composition of Squirrel-tail grass / J.B. Weems, W.H. Heileman.
Pammel, L. H. 1862-1931. Carver, George Washington,_1864?-1943.; Weems, J. B.; Heileman, W. H. Ames, Iowa : Experiment Station, Iowa Agricultural College, 1895. Caption title. p. 289-321 : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 Io9 no.30).

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Validation of a model for the growth and development of the Thompsom seedless grapevine. I. Vegetative growth and fruit yield.
AJEVA. Williams, D.W. Williams, L.E.; Barnett, W.W.; Kelley, K.M.; McKenry, M.V. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1985. v. 36 (4). p. 275-282. Includes 12 references. (NAL Call No.: DNAL 390.9 AM33).

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Validation of a model for the growth and development of the Thompson seedless grapevine. II. Phenology.
AJEVA. Williams, D.W. Andris, H.L.; Beede, R.H.; Luvisi, D.A.; Norton, M.V.K.; Williams, L.E. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1985. v. 36 (4). p. 283-289. Includes 14 references. (NAL Call No.: DNAL 390.9 AM33).

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Vineyard management during ripening. Light and temperature performance in cool climates.
Koblet, W. The Plains, Va. : Vinifera Wine Growers Association. The Vinifera wine growers journal. Spring 1987. v. 14 (1). p. 57-59. Includes references. (NAL Call No.: DNAL SB387.V6).

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Why G.A.--how and why it works.
PWHAA. Gutzwiler, N. Wenatchee, Wash. : The Association. Proceedings - Washington State Horticultural Association. Presented at the 43rd Annual Meeting of the Northwest Cherry Institute, Yakima, Washington. 1985. (81st). p. 227-228. (NAL Call No.: DNAL 81 W273).

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Will dieback kill California cherry production?.
WEFGA. Schreader, W. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. Dec 1986. v. 106 (12). p. 12F-12H. ill. (NAL Call No.: DNAL 80 G85W).

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Will dieback kill Californina cherry production? 2.
WEFGA. Schreader, W. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. Jan 1987. v. 107 (1). p. 24A-24C (concluded). ill. (NAL Call No.: DNAL 80 G85W).

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Wine grape vine radiation balance and temperature modification with fine-mist nozzles.
HJHSA. Matthias, A.D. Coates, W.E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Dec 1986. v. 21 (6). p. 1453-1455. Includes references. (NAL Call No.: DNAL SB1.H6).

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Winter protection of the vinifera grape /by Fabian Garcia and J.W. Rigney.
Garcia, Fabian. Rigney, J. W. Las Cruces, N.M. : New Mexico College of Agriculture and Mechanic Arts, 1916. 32 p. : ill. ; 22 cm. (NAL Call No.: DNAL 100 N465 (1) no.100).

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Within-tree factors that affect cherry size and quality.
PWHAA. Proebsting, E. Wenatchee, Wash. : The Association. Proceedings - Washington State Horticultural Association. Presented at the 43rd Annual Meeting of the Northwest Cherry Institute, Yakima, Washington. 1985. (81st). p. 224-226. (NAL Call No.: DNAL 81 W273).

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Yield and quality of 'Niagara' grapes as effected by pruning severity, nodes per bearing unit, training system, and shoot positioning.
JOSHB. Morris, J.R. Sims, C.A.; Cawthon, D.L. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Mar 1985. v. 110 (2). p. 186-191. ill. Includes 31 references. (NAL Call No.: DNAL 81 S012).

0182

Yield of muscadine grape cultivar Hunt as influenced by plant and row spacings and position of the male plant.
AAREEZ. Austin, M.E. Bondari, K. New York, N.Y. : Springer. The pistillate muscadine grape cultivar Hunt and male plants were planted in a spacing experiment in 1945. Selected spacing between rows were 20, 21, and 22 ft (6.1, 6.4, and 6.7 m). Plants within rows were spaced 10, 12, and 14 ft (3.0, 3.7, and 4.3 m) apart. Male plants, used as pollinators, were planted every third plant in the row and in every third row. The same plant/treatment was harvested and yields were obtained for an experimental period of 40 years. Annual per plant yields increased from 1946 through 1949, but then fluctuated biennially through 1963. This alternate year bearing pattern was irregular thereafter, being interrupted by adverse environmental conditions. Wider row spacings initially increased yields/plant, but as the stand aged, this effect was not consistent. However, the highest calculated yield per hectare was with the closer row spacing for the first 25 years. For the full 40-year study, the effect of spacing between rows on the yield/plant was not significant in 15 years. Spacing in the row did not influence yield until the fifth year of production. Then the wider spacing produced higher yields per plant, but no consistent trend emerged as the age of plants increased. Overall, yields/plant obtained from the three spacings of the plants within rows did not differ (p less than 0.03) in 18 of the 40 years under study. Overall yield/ha decreased as spacing between rows increased. The effect of position of the male plants was not significant on yield/plant for the first 23 years, but became so after some of the strategically located plants died. Position effect of the male plant on yield/plant was significant only in six of the 40 years. Applied agricultural research. Winter 1989. v. 4 (1). p. 1-9. ill. Includes references. (NAL Call No.: DNAL S539.5.A77).

0183

The fruit bark beetle / S.A. Forbes . Experiments with grass seeds, and with grasses and clovers / G.E. Morrow, T.F. Hunt . Use of fungicides on the apple, the potato, and the grape / T.J. Burrill, G.W. McCluer .
Forbes, Stephen Alfred, 1844-1930. Morrow, G. E._1840-; Hunt, Thomas F._1862-; Burrill, Thomas Jonathan,_1839-1916.; McCluer, G. W._1857-. Champaign, Ill. : University of Illinois Agricultural Experiment Station, 1891. Caption title. p. 469 -496, 1 leaf of plates : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 100 I16S no.15).

0184

NF-10 bioactivators enhance photosynthesis, plant growth, yield and quality in commercial crops.
PPGGD. Tenzer, A.I. Lake Alfred, Fla. : The Society. Proceedings annual meeting - Plant Growth Regulator Society of America. 1987. (14th). p. 316-325. Includes references. (NAL Call No.: DNAL SB128.P5).

0185

Quality of grapevine fruit in protected culture--parameters and problems.
AAREEZ. Lavee, S. New York, N.Y. : Springer. Table grapes are grown under protection for early maturation and out of season fruit. High quality is a major factor in the economic marketability of such fruit. Quality in this case consists of a wide range of factors, such as uniformity in berry size and color, bunch form and looseness, uniform and balanced maturation firmness, and keeping quality. Various methods for protecting table grape such as specific fruit protection, partial vine, and whole vine protection were studied. The relation of each method to the various quality parameters is discussed. Special consideration was given to the effect of temperature, light gas exchange, and physical protection on the visual, organoleptic, and handling quality of the fruit from the various protection methods. Applied agricultural research. 1988. v. 3 (5). p. 288-292. ill. (NAL Call No.: DNAL S539.5.A77).

0186

Anthocyanin content of fruit, stem, tendril, leaf, and leaf petioles in muscadine grape.
JOSHB. Goldy, R.G. Ballinger, W.E.; Maness, E.P.; Swallow, W.H. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Sept 1987. v. 112 (5). p. 880-882. Includes references. (NAL Call No.: DNAL 81 S012).

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Bunch grape culture as a hobby.
Powell, A.A. Hagler, T.B. Auburn, Ala. : The Service. Circular ANR - Cooperative Extension Service, Auburn University. Feb 1987. (12). 11 p. ill., maps. (NAL Call No.: DNAL S544.3.A2C47).

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Canindex 1, a superior indicator cultivar for little cherry disease.
PLDRA. Hansen, A.J. Green, L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Jan 1985. v. 69 (1). p. 11-12. ill. Includes 6 references. (NAL Call No.: DNAL 1.9 P69P).

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Cherry rootstocks.
Perry, R.L. New York : Wiley, 1987. Rootstocks for fruit crops / edited by Roy C. Rom, Robert F. Carlson. Literature review. p. 217-264. ill. Includes references. (NAL Call No.: DNAL SB359.45.R6).

0190

Cherry tree (Varieties, large to medium size fruit which is crack resistant, good resistance to insects and diseases, good shipping quality).
Nies, M.L. Washington, D.C., The Office. United States patent. Plant - United States Patent and Trademark Office. July 10, 1979. July 10, 1979. (4436). 2 p. plate. (NAL Call No.: 156.65 P69).

0191

Cherry tree (Varieties, slight tendency to split in wet season, use for local markets, dessert, shipping, good keeping quality, good resistance to insects and diseases).
Nies, M.L. Washington, D.C., The Office. United States patent. Plant - United States Patent and Trademark Office. June 26, 1979. June 26, 1979. (4431). 2 p. plate. (NAL Call No.: 156.65 P69).

0192

Chloride uptake and distribution by grapevines with established and developing root systems in relation to variations in rootzone salinity.
AJEVA. Sykes, S.R. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1985. v. 36 (3). p. 222-229. ill. Includes 18 references. (NAL Call No.: DNAL 390.9 AM33).

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Cold hardiness of grapes (a guide for Missouri growers).
Odneal, M.B. Mountain Grove, Mo., The Station. Bulletin - State Fruit Experiment Station of Southwest Missouri State University, Mountain Grove. Dec 1984 (41). 17 p. ill. Includes 12 references. (NAL Call No.: DNAL 100 M694).

0194

Cultivar sensitivity of grapevines to 2,4-D.
FVRJA. Hellman, E.W. University Park, Pa. : American Pomological Society. Fruit varieties journal. July 1987. v. 41 (3). p. 111-114. Includes references. (NAL Call No.: DNAL 80 F9464).

0195

Differences in spring floral bud development among sour cherry cultivars.
HJHSA. Iezzoni, A.F. Hamilton, R.L. Alexandria, Va. : American Society for Horticultural Science. HortScience. Oct 1985. v. 20 (5). p. 915-916. Includes 10 references. (NAL Call No.: DNAL SB1.H6).

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Early physiological tests of selection: a key for breeding programs.
Carbonneau, A. Davis, Calif. : Dept. of Vitic. and Enology, Univ. of Calif., Davis, between 1980 and 1983 . Proceedings of the Third International Symposium on Grape Breeding, June 15-18, 1980, in conjunction with Grape and Wine Centennial Symposium 1980. p. 147-157. Includes 70 references. (NAL Call No.: DNAL SB387.2.I49 1980).

0197

The early selection of grapevine rootstocks for resistance to drought conditions.
AJEVA. Carbonneau, A. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1985. v. 36 (3). p. 195-198. ill. Includes 14 references. (NAL Call No.: DNAL 390.9 AM33).

0198

Effect of bunch and muscadine grape maturity on finished wine.
Bates, R.P. Tejada, R.; Mortensen, J.A. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986 (pub. 1987). v. 99. p. 194-200. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

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Effect of cyanamide in overcoming grape seed dormancy.
HJHSA. Spiegel-Roy, P. Shulman, Y.; Ashbel, E. Alexandria, Va. : American Society for Horticultural Science. HortScience. Apr 1987. v. 22 (2). p. 208-210. Includes references. (NAL Call No.: DNAL SB1.H6).

0200

Effect of two wire vertical and geneva double curtain training systems on berry quality and yield of muscadine grapes.
Andersen, P.C. Bryan, M.W.; Baker, L.H. s.l. : The Society. Proceedings of the ... annual meeting of the Florida State Horticulture Society. 1986. v. 98. p. 175-178. Includes references. (NAL Call No.: DNAL SB319.2.F6F56).

0201

Effects of cultivar, maturity, cluster thinning, and excessive potassium fertilization on yield and quality of Arkansas wine grapes.
AJEVA. Morris, J.R. Sims, C.A.; Striegler, R.K.; Cackler, S.D.; Donley, R.A. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1987. v. 38 (4). p. 260-264. Includes references. (NAL Call No.: DNAL 390.9 AM33).

0202

Effects of early bloom sprays of ethephon on irrigated and nonirrigated vines of Zinfandel grapes.
Mannini, F. Weaver, R.J.; Johnson, J.O. Davis, Calif., American Society of Enologists. American journal of enology and viticulture. 1981. v. 32 (4). p. 277-279. Includes 15 ref. (NAL Call No.: 390.9 AM33).

0203

Entomology and horticulture of muscadine grapes.
Dutcher, J.D. McGiffen, K.C.; All, J.N. Boulder : Westview Press, 1988. The Entomology of indigenous and naturalized sysems in agriculture / edited by Marvin K. Harris and Charles E. Rogers. p. 73-90. maps. Includes references. (NAL Call No.: DNAL SB931.E57).

0204

Evaluation of grape rootstocks for resistance to type A and type B grape phylloxera.
AJEVA. Granett, J. Goheen, A.C.; Lider, L.A.; White, J.J. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1987. v. 38 (4). p. 298-300. Includes references. (NAL Call No.: DNAL 390.9 AM33).

0205

Great low-spray grapes.
Korn, L. Emmaus, Pa. : Rodale Press. Rodale's organic gardening. Mar 1988. v. 35 (3). p. 28-30, 32, 34-35. ill. (NAL Call No.: DNAL S605.5.R64).

0206

'Horizon' grape (Varieties, performance, diseases and injuries).
Reisch, B. Robinson, W.B.; Kimball, K.; Pool, R.; Watson, J. Geneva, N.Y. : New York (State), Agricultural Experiment Station, Geneva. New York's food and life sciences bulletin. 1982. 1982. (96). 2 p. ill. Includes references. (NAL Call No.: S95.E22).

0207

Hybrid grapevine rootstock.
Lider, L.A. Olmo, H.P.; Goheen, A.C. Washington, D.C. : The Office. Abstract: A new and distinct variety of grapevine rootstock is provided. It is characterized by its immunity to feeding by the nematode vector of grapevine fanleaf virus and to feeding by phylloxera. When grafted with scion cultivars, such as 'Cabernet Sauvignon,' 'Chenin blanc,' and 'Carignane,' the variety may be planted in soil contaminated with viruliferous nematodes and/or phylloxera and will produce health fruit and excellent yields. Plant patent - United States Patent and Trademark Office. May 3, 1988. (6166). 2 p. plates. (NAL Call No.: DNAL 156.65 P69).

0208

Hybrid grapevine rootstock named 'VB 043-43'.
Lider, L.A. Olmo, H.P.; Goheen, A.C. Washington, D.C. : The Office. A new and distinct variety of grapevine rootstock is provided. It is characterized by its immunity to feeding by the nematode vector of grapevine fanleaf virus, and when grafted with cultivars, such as 'Cabernet Sauvignon,' Chenin blanc,' and 'Carignane,' may be planted in soil contaminated with viruliferous nematodes, producing healthy fruit and excellent yields.

Plant patent - United States Patent and Trademark Office. Oct 4, 1988. (6319). 2 p. plates. (NAL Call No.: DNAL 156.65 P69).

0209

Inheritance of growth regulation in rooting of Vitis and response to ethephon / by Mostafa Atef Mohamed Mostafa El-Hamady. -.
El-Hamady, Mostafa Atef Mohamed Mostafa, 1938-. 1971. Thesis (Ph.D.)--University of California, Davis, 1971. Photocopy of typescript. Ann Arbor: University Microfilms, 1972. iv, 105 leaves ; 21 cm. Bibliography: leaves 97-105. (NAL Call No.: DISS 72-9,888).

0210

Laboratory evaluations of oriental fruit moth (Lepidoptera: Tortricidae) oviposition and larval survival on five species of stone fruits.
JEENAI. Yokoyama, V.Y. Miller, G.T. College Park, Md. : Entomological Society of America. Abstract: Oriental fruit moth (OFM), Grapholita molesta (Busck), oviposition on fruit and first-instar survival on vegetative shoots were studied in laboratory tests with nectarine, Prunus persica (L.) Batsch var. nucipersica; peach, P. persica (L.); plum, P. saliciana Lindl.; apricot, P. armeniaca L.; and cherry, P. avium L., cultivars. OFM oviposition on fruit at four different maturity stages was significantly lower on mature, packed nectarines and significantlyhigher on mature, packed peaches. Significantly more eggs were laid on the stem end of nectarine, peach, and plum fruits than other fruit parts. In tests among early-through late-season cultivars within each stone fruits species, oviposition was significantly higher on 'Red Diamond' nectarines, 'Redtop' peaches, and 'Laroda' plums, and significantly lower on 'Fantasia' nectarines and 'Roysum ' plums. In tests with mixed stone fruit species, significantly fewer eggs were laid on 'Elberta', 'Elegant Lady', and 'O'Henry' peaches, and significantly more eggs were laid on 'Laroda' plums. Low oviposition on peaches may be related to pubescence. Vegetative shoots injured by larval feeding generally produced gum, but uninjured shoots and shoots that supported first instars to later larval or pupal stages rarely produced gum. Larvae successfully completed normal development to adults on larval diet combined with aqueous extracts of peach tree gum. Stone fruit gum appears to be an induced host response which creates a mechanical barrier to larval attack. Journal of economic entomology. June 1988. v. 81 (3). p. 867-872. Includes references. (NAL Call No.: DNAL 421 J822).

0211

Leaf area and conductance, internode length, and root structure of five cultivars of Vitis vinifera treated with paclobutrazol.
AJEVA. Wample, R.L. Schnabel, B.; Ahmedullah, M. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1987. v. 38 (4). p. 255-259. ill. Includes references. (NAL Call No.: DNAL 390.9 AM33).

0212

Micropropagation of cherry rootstocks. II. Invigoration and enhanced rooting of '46-1 Mazzard' by co-culture with 'Colt'.
JOSHB. Ranjit, M. Kester, D.E. Alexandria, Va. : The Society. Journal of the American Society for Horticultural Science. Jan 1988. v. 113 (1). p. 150-154. Includes references. (NAL Call No.: DNAL 81 S012).

0213

Midwest 2,4-D damage to grapes.
Fennell, A. Luby, J.; Hoover, E. The Plains, Va. : Vinifera Wine Growers Association. The Vinifera wine growers journal. Summer 1987. v. 14 (2). p. 84-89. Includes references. (NAL Call No.: DNAL SB387.V6).

0214

Minnesota variety, pest, yield survey (Grapes).
Knox, C. The Plains, Va., Vinifera Wine Growers Association. The Vinifera wine growers journal. Winter 1980. v. 7 (4). p. 260-264. (NAL Call No.: SB387.V6).

0215

Pierce's disease update: symptoms, control, breeding for resistance (Bacterial infection of grapes).
Mortensen, J.A. The Plains, Va., Vinifera Wine Growers Association. The Vinifera wine growers journal. Winter 1979. v. 6 (4). p. 181-187. ill. 21 ref. (NAL Call No.: SB387.V6).

0216

The pollen receptivity period and its relation to fruit setting in the stone fruits (Apricots, peaches, sweet cherries, cultivars).
Toyama, T.K. University Park, Pa., American Pomological Society. Fruit varieties journal. Jan 1980. v. 34 (1). p. 2-4. ill. 2 ref. (NAL Call No.: 80 F9464).

0217

Progress report on effects of rootstocks on five grape cultivars (Vigor, cold hardiness, productivity and quality).
Cahoon, G.A. Chandler, D.A. The Plains, Va., Vinifera Wine Growers Association. The Vinifera wine growers journal. Spring 1981. v. 8 (1). p. 32-38. (NAL Call No.: SB387.V6).

0218

Proliferative somatic embryogenesis from zygotic embryos of grapevine.
JOSHB. Stamp, J.A. Meredith, C.P. Alexandria, Va. : The Society. Zygotic embryos isolated from mature berries of Vitis longii Prince and V. vinifera L. cvs. Chardonnay, French Colombard, Grenache, and White Riesling produced somatic embryos when cultured on solid Nitsch and Nitsch medium. Explants of V. vinifera cv. Pinot noir did not produce somatic embryos. The highest incidence of somatic embryogenesis occurred on medium containing (all in mg.liter-1) 1.0 NOA plus 0.2 BAP, except in 'White Riesling', where 1.0 NOA plus 1.0 BAP was optimal. Somatic embryos developed asynchronously from a mass of white proembryos and passed through globular, heart, and torpedo-shaped stages. Embryos proliferated by budding at the surface of globular embryos. With regular transfers, embryogenic tissues remained morphogenically competent for up to 1 year. Zygotic embryo explants cultured on medium without growth regulators usually germinated within 10 days and produced healthy seedlings. About 40% of somatic embryos germinated after isolation from their parental cultures and transfer to fresh medium. At the concentrations tested, NAA, BAP, and GA3 did not improve germination frequency over that obtained with basal medium and, in some cases, severely reduced germination. Plants were established in the greenhouse and no morphological abnormalities were observed. Chemical names used: 6-benzylaminopurine (BAP); gibberellic acid (GA3); 2-(1-naphthyl)acetic acid (NAA); 2-naphthoxyacetic acid (NOA). Journal of the American Society for Horticultural Science. Nov 1988. v. 113 (6). p. 941-945. ill. Includes references. (NAL Call No.: DNAL 81 S012).

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Sensitivity of grape cultivars to ambient ozone (Air pollution, oxidant stipple injury, New York).
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The early selection of grapevine rootstocks for resistance to drought conditions.
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AJEVA. Williams, D.W. Andris, H.L.; Beede, R.H.; Luvisi, D.A.; Norton, M.V.K.; Williams, L.E. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1985. v. 36 (4). p. 283-289. Includes 14 references. (NAL Call No.: DNAL 390.9 AM33).

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AJEVA. Sykes, S.R. Davis, Calif. : American Society of Enologists. American journal of enology and viticulture. 1987. v. 38 (4). p. 313-320. Includes references. (NAL Call No.: DNAL 390.9 AM33).

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Burton, C.L. Tennes, B.R. East Lansing, The Station. Research report.Michigan. Agricultural Experiment Station. May 1979. May 1979. (377). 4 p. ill. 18 ref. (NAL Call No.: 284.9 M58).

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0746

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0751

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0752

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0754

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0755

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0756

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0757

Efficacy of fungicides registered for control of black rot of grapes in Missouri, 1980 (Grape (Vitis labrusca 'Catawba'), black rot; Guigardia bidwellii).
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PLDRA. Ellis, M.A. Madden, V.; Wilson, L.L. St. Paul, Minn. : American Phytopathological Society. Plant disease. Oct 1986. v. 70 (10). p. 938-940. Includes references. (NAL Call No.: DNAL 1.9 P69P).

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0763

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tests : results - American Phytopathological Society. 1983. v. 38. p. 114. (NAL Call No.: 464.9 AM31R).

0764

Evaluation of Bayleton for control of powdery mildew of grape, 1981 (Grape (Vitis labrusca 'Concord'), powdery mildew; Uncinula necator).
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0765

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Ellis, M.A. St. Paul, American Phytopathological Society. Plant disease. Feb 1984. v. 68 (2). p. 174. (NAL Call No.: 1.9 P69P).

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WEFGA. Klassen, P. Willoughby, Ohio : Meister Pub. Co. Western fruit grower. Mar 1987. v. 107 (3). p. 24C-24D. (NAL Call No.: DNAL 80 G85W).

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PLDRA. Marois, J.J. Bledsoe, A.M.; Gubler, W.D.; Luvisi, D.A. St. Paul, Minn. : American Phytopathological Society. Plant disease. Nov 1986. v. 70 (11). p. 1050-1052. Includes references.. (NAL Call No.: DNAL 1.9 P69P).

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