INDEX
VOLUME 35, 1984

AUTHOR INDEX

A

Amerine, M. A. Abstracts. 35:55, 113.
See C. Buteau. 35:228-36.

B

Baldwin, D. S. See J. R. Mac Allister. 35:52-3.
Boulton, R. See F. De La Garza 35:189-95.
Bosch, D. F. See H. Kido 35:156-60.
Bursick, G. F. See A. C. Noble. 35:110-12.
See C. L. Duitschaever. 35:88-93.

C

See J. Rossi. 35:100-2.
See B. Bravdo. 35:247-52.

Cox, M. D. Tech. note. Errors in the dichromate oxidation alcohol method due to varying rinse water amounts. 35:54.
See M. D. Foster. 35:103-6.

D

De La Garza, F., and R. Boulton. The modeling of wine filtrations. 35:189-95.
Dimitriadis, E., and P. J. Williams. The development and use of a rapid analytical technique for estimation of free and potentially volatile monoterpenic flavorants of grapes. 35:66-71.
Doster, M., and M. A. Sall. Phytotoxicity to grapevines of fenarimol and triadimefon. 35:97-9.
Draper, P. See L. P. Mc Closkey. 35:257.
Duitschaever, C. L., C. Buteau, and G. C. Ashton. Edulcoration of white wine with xylitol and Seyval blanc juice reserve. 35:88-93.
See C. Buteau. 35:228-36.
Dundon, C. G., and R. E. Smart. Effects of water relations on the potassium status of Shiraz vines. 35:40-5.
—, R. E. Smart, and M. G. Mc Carthy. The effect of potassium fertilizer on must and wine potassium levels of Shiraz grapevines. 35:200-5.

E

Ende, B. van den. The Tatura Trellis — A system of growing grapevines for early and high production. 35:82-7.
F
Fouse, D. C. See C. M. Harris. 35:5-8.
Franco, D. S., and V. L. Singleton. The changes in certain components of Setubal wines during aging. 35:146-50.

G
Goldblum, A. See S. Gorinstein. 35:9-15.

H
Harris, C. M., J. M. Harvey, and D. C. Fouse. Penetration and retention of methyl bromide in packaged table grapes. 35:5-8.
Harvey, J. M. See C. M. Harris. 35:5-8.
Hepner, Y. See B. Bravdo. 35:247-52.

J

K
Kasimatis, A. N. See R. J. Weaver. 35:94-6.
Kepner, R. E. See M. L. Brock 35:151-5.
Kitov, S. See S. Gorinstein. 35:9-15.
See R. J. Smith. 35:16-22.
See E. Syzjewicz 35:117-23.
Abstract. 35:113.
Kupina, S. A. Simultaneous quantitation of glycerol, acetic acid, and ethanol in grape juice by high performance liquid chromatography. 35:59-62.

M
Mascarenhas, M. A. Res. note. The occurrence of malolactic fermentation and diacetyl content of dry table wines from northeastern Portugal. 35:49-51.
Mattick, L. R. See G. Hrazdina. 35:220-7.
Mc Carthy, M. G. See C. G. Dundon. 35:200-5.
Mc Kenry, M. V. Grape root phenology relative to control of parasitic nematodes. 35:206-11.

Abstracts. 35:187, 258.


See C. A. Sims. 35:35-9.


Nagaoka, R. See C. S. Ough. 35:30-4.


Noyes, D. See L. P. McCloskey. 35:257.

O


Abstracts. 35:55, 56, 187.

Painter, B. See L. P. McCloskey. 35:257.


Porter, L. J. Abstract. 35:114.


See F. Clementi. 35:183-6.


S

Sall, M. A. See M. Doster. 35:97-9.


Sanders, E. M. Abstract. 35:114.

Sanderson, J. L. See A. H. Kuniyuki 35:143-5.


Singh, H. See H. Onkarayya. 35:63-5.

Singleton, V. L. See D. S. Franco 35:146-50.

Smart, R. E. See C. G. Dundon. 35:40-5.

See C. G. Dundon. 35:200-5.


Snow, R. Abstract. 35:56.


Steiner, D. See J.-C. Villettaz. 35:253-6.

Stiller, A. See S. Gorinstein. 35:9-15.


T

Tabacman, H. See S. Gorinstein. 35:9-15.

See B. Bravdo. 35:247-52.


Trogus, H. See J.-C. Villettaz. 35:253-6.


V


Valero, K. A. See H. Kido. 35:156-60.

Vilas, N. See R. J. Weaver. 35:94-6.

W
Abstracts. 35:55, 113-14, 187.
Review. 35:57.
Williams, P. J. See E. Dimitriadis. 35:66-71.

SUBJECT INDEX

A
Acetals. comparison of volatiles in Palomino and sherry. 35:151-5.
Acetic acid. quantitation by HPLC. 35:59-62.
Acid. acetic. quantitation by HPLC. 35:59-62.
alpha amino. Cabernet Sauvignon wine. 35:30-4.
changes during grape berry maturation. 35:220-7.
malic. catabolism. 35:183-6.
Acidity, titratable. sampling Vidal blanc grapes. 35:242-6.
Aging. Armagnac in oak wood. 35:77-81.
aroma comparison of oak- and glass-aged wines. 35:196-9.
practices in California. 35:137-42.
Setubal wines. 35:146-50.
Alcohol determination. dichromate oxidation method. 35:54.
Alpha amino acid. Cabernet Sauvignon wine. 35:30-4.
Amines. biogenic in Villar noir. 35:228-36.
Anagrus epos. grape leafhopper control. 35:156-60.
Analysis, descriptive. wine aroma terminology. 35:107-9.
Analysis. alcohol. 35:54.
descriptive. aroma comparison of oak- and glass-aged wines. 35:196-9
differential thermal. deep supercooling of Vitis buds. 35:175-7.
grape must and wine. 35:28-9.
monoterpene flavorants. 35:66-71.
wine components. 35:28-9.
Anthocyanin. changes during grape berry maturation. 35:220-7.
Armagnac. oak wood aging. 35:77-81.
comparison of volatiles in Palomino wine and sherry. 35:151-5.
standardized wine aroma terminology. 35:107-9.
Aspergillus. HPLC detection in juice. 35:59-62.

B
Bacterial spoilage in grape juice. detection. 35:59-62.
Barrel-aging. aroma comparison of oak- and glass-aged wines. 35:196-9.
Setubal wines. 35:146-50.
Beta glucanase. wine clarification and filtration. 35:253-6.
Biogenic amines. in Villard noir wine. 35:228-36.
Biological control of grape leafhopper. 35:156-60.
Body, wine. See sensory evaluation.
Boron. levels in grape leaf petioles and blades. 35:124-33.
Botrytis. HPLC detection in juice. 35:59-62.
Bottling. practices in California. 35:137-42.
Brettanomyces. ELISA detection in wine. 35:143-5.
intermedius. 35:46-8.
Browning capacity of wine. made with decanter centrifuge. 35:103-6.
Setubal wines. 35:146-50.
Cabernet Sauvignon grapevines. crop level effect on wine. 35:30-4.
response to increased node number. 35:161-3.
Tatura Trellis training. 35:82-7.

Cabernet Sauvignon wine. aroma comparison of oak- and glass-aged wines. 35:196-9
composition and quality. 35:30-4.
fermentation rate. 35:10-4.
Calcium tartrate. spectroscopic analysis of wine crystals. 35:178-82.

Cane. vine response to increased node number. 35:161-3.
Canopy design. Tatura Trellis. 35:82-7.
Carignane grapevines. crop level effect. 35:247-52.
(+)- Catechin. polyphenolic thresholds. 35:134-6.
Cations. changes during development of grape berries. 35:220-7.
Centrifugation. decanter centrifuge. 35:103-6.
CEPA. See ethephon.

Ceratitis capitata. methyl bromide treatment of packaged grapes. 35:5-8.
Chancellor grapes. influence of malolactic strain on fermentation. 35:1-4.
Chardonnay grapevines. response to increased node number. 35:161-3.
Chelois grapevines. deep supercooling of dormant and deacclimating buds. 35:175-7.

(2-Chloroethyl)phosphonic acid. See ethephon.

Chromatography. high performance liquid. glycerol, acetic acid, and ethanol quantitation. 35:59-62.
wine component analysis. 35:28-9.

Clarification. wine. beta glucanase use. 35:253-6.
decanter centrifuge. 35:103-6.
Cluster thinning. effect on Carignane. 35:247-52.

dee supercooling of dormant and deacclimating Vitis buds. 35:175-7.

Cold stability testing. 635:137-42.
Color stability. red muscadine grape wine. 35:35-9.
Composition, must. crop level effect on Carignane. 35:247-52.
Composition, wine. analysis. 35:28-9.
changes during aging of Setubal wines. 35:146-50.
crop level effect on Carignane. 35:247-52.
Concord grapevines. cold hardiness. 35:237-41.
deep supercooling of dormant and deacclimating buds. 35:175-7.

Cooperage. practices in California. 35:137-42.
Crop level. effect on Cabernet Sauvignon wine. 35:30-4.
effect on Carignane. 35:35:247-52.
Crouchen grapevines. Tatura Trellis training. 35:82-7.

Cultivar evaluation. nutrient level comparisons. 35:124-33.
yield and quality of Arkansas grape cultivars. 35:216-19.
Cuttings. V. berlandieri and V. cinerea. 35:75-6.

D

De Chaunac. influence of malolactic strain on fermentation. 35:1-4.
Decanter centrifuge. 35:103-6.
Degradation. lignin., in aging of Armagnac in oak. 35:77-81.
Descriptive analysis. aroma comparison of oak- and glass-aged wines. 35:196-9.
standardized wine aroma terminology. 35:107-9.

Dessert wines. mango. 35:63-5.
Development. grape berry. physiological and biochemical events. 35:220-7.
Diacetyl formation. in wine from Portugal. 35:49-51.
Dichromate oxidation method for alcohol determination. 35:54.
Differential thermal analysis. deep supercooling of dormant and deacclimating Vitis buds. 35:175-7.
Disease resistance. grape powdery mildew. 35:170-4.
Dried fermentation starters. 35:183-6.

E

Edulcoration. with xylitol and Seyval blanc juice reserve. 35:88-93.
Edwardsiana prunicola. overwintering host for grape leafhopper egg parasite. 35:156-60.
ELISA. Brettanomyces detection in wine. 35:143-5.
Enzymatic assay for glucose and fructose. 35:257.
Enzyme. beta glucanase in wine clarification and filtration. 35:253-6.
changes during grape berry development. 35:220-7.
Erythoneura elegantula. biological control by egg parasite. 35:156-60.
Ethanol. quantitation by HPLC. 35:59-62.
Ethephon. in viticulture. 35:117-23.
Ethrel. See ethephon.
2-Ethyl-3,4,5,6-tetrahydropyridine. contribution to mousy flavor in wine. 35:46-8.
Evaluation of pad filters. 35:52-3.
Evaluation, cultivar. See cultivar evaluation.
Evaluation, sensory. See sensory evaluation.
Extraction. lignin in oak-aged Armagnac. 35:77-81.
tannin in oak-aged Armagnac. 35:77-81.
F Fenarimol. phytotoxicity to grapevines. 35:97-9.
Fermentation. malolactic in wine from Portugal. 35:49-51.
influence of strain on wine quality. 35:1-4.
Fermentation rate. Cabernet Sauvignon wine. 35:30-4.
Fertilizer. potassium. 35:40-5.
effect on Shiraz. 35:200-5.
Filter testing. mathematical models for filter media fouling. 35:189-95.
Filtration. wine. beta glucanase use. 35:253-6.
evaluating pad filters. 35:52-3.
membrane life. 35:52-3.
mathematical models for fouling of filter media. 35:189-95.
Finishing. wine. practices in California. 35:137-42.
Flavor. monoterpene flavorants in grapes. 35:66-71.
thresholds of polyphenolics in water. 35:134-6.
Flavor, wine. aroma comparison of oak- and glass-aged wines. 35:196-9.
glycerol contribution to sweetness and viscosity. 35:110-12.
mousy. 35:46-8.
standardized wine aroma terminology. 35:107-9.
Fluidized-bed drying of L. oenos. 35:183-6.
French-American hybrid. See hybrid.
Fructose. enzymatic assay. 35:257.
Fruit wines. mango. 35:63-5.
Fruitfulness. vine response to increased node number. 35:161-3.
Fumigation. methyl bromide on packaged grapes. 35:5-8.
Fungicide. fenarimol. 35:97-9.
triadimefon. 35:97-9.
G Gewürztraminer grapevines. response to increased node number. 35:161-3.
Glucose. enzymatic assay. 35:257.
Glycerol. quantitation by HPLC. 35:59-62.
Gordo Blanco grapevines. Tatura Trellis training. 35:82-7.
Grape defects. detection by HPLC. 35:59-62.
Grape inspection. 35:59-62.
Grape juice. enzymatic assay for glucose and fructose. 35:257.
monoterpene flavorants. 35:66-71.
Grapes. packaging. 35:5-8.
Grapevine density. Tatura Trellis. 35:82-7.
Grapevines. Cabernet Sauvignon. crop level effect on wine. 35:30-4.
response to increased node number. 35:161-3.
Tatura Trellis training. 35:82-7.
Carignane. crop level effect. 35:247-52.
Chardonnay. response to increased node number. 35:161-3.
Checlus. supercooling of dormant buds. 35:175-7.
Concord. cold hardiness. 35:237-41.
Couchen. Tautra Trellis training. 35:82-7.
Gewürztraminer. response to increased node number. 35:161-3.
Gordo Blanco. Tautra Trellis training. 35:82-7.
nutrient level comparisons. 35:124-33.
response to increased node number. 24:161-3.
Müller Thurgau. response to increased node number. 35:161-3.
Shiraz. water relations and K status. 35:40-5.
potassium fertilizer effect on must and wine. 35:200-5.
Thompson Seedless. leaf area estimation. 35:16-22.
trellising. 35:94-6.
Tatura Trellis. 35:82-7.
V. berlandieri propagation. 35:75-6.
V. cinerea propagation. 35:75-6.
White Riesling. supercooling of dormant buds. 35:175-7.

H
Heat stability testing. 35:137-42.
High performance liquid chromatography. See chromatography.
Hybrid. French-American.
Vidal blanc grapes. 35:242-6.
yield and quality. 35:23-7.
yield and quality of grape cultivars in Arkansas. 35:216-19.

I
Infrared spectroscopy. analysis of wine crystals. 35:178-82.
Iron. content in wine made with decanter centrifuge. 35:103-6.

J
Juice reserve. edulcoration of white wine. 35:88-93.

L
Lactic acid bacteria, dried. 35:183-6.
Lactones. comparison of volatiles in Palomino and sherry. 35:151-5.
Leaf area estimation. 35:16-22.
Leaf water potential. wind effects on V. vinifera. 35:164-9.
Leafhopper, grape. biological control. 35:156-60.
Leuconostoc oenos. influence of malolactic strain on fermentation. 35:1-4.
survival. 35:183-6.
Lignin. in oak-aged Armagnac. 35:77-81.

M
Madeira-style wine. mango. 35:63-5.
Malic acid catabolism. 35:183-6.
Malolactic bacteria. biogenesis of amines in Villard noir. 35:228-36.
Malolactic fermentation. See also fermentation.
in wine from Portugal. 35:49-51.
influence of malolactic strain. 35:1-4.
L. oenos survival. 35:183-6.
Mango wines. 35:63-5.
Marechal Foch. influence of malolactic strain on fermentation. 35:1-4.
Maturation. grape. crop level effect on Carignane. 35:247-52.
physiological and biochemical events. 35:220-7.
yield and quality of grape cultivars in Arkansas. 35:216-19.
Meloidogyne. grape root phenology relative to control. 35:206-11.
Membrane, filter. pad filter effect on. 35:52-3
Metals. in red and white wines. 35:9-15.
Methyl bromide. packaged table grapes. 35:5-8.
Modeling. of wine filtrations. 35:189-95.
Mold. HPLC detection in juice. 35:59-62.
Monoclonal antibodies. Brettanomyces ELISA detection. 35:143-5.
Monoterpene. estimation of flavorants in grapes. 35:66-71.
Moscatel de Setubal. 35:146-50.
Müller Thurgau grapevines. response to increased node number. 35:161-3.
Muscadine. sparkling wine. 35:72-4.
Muscatel. Moscatel de Setubal. 35:146-50.
Must. Carignane., crop level effect on composition. 35:247-52.
influence of malolactic strain on fermentation. 35:1-5.
Mymarid egg parasite. grape leafhopper control. 35:156-60.

N
Nematode. grape root phenology relative to control. 35:206-11.
Nitrogen. levels in grape leaf petioles and blades. 35:124-33.
Nitrogenous substances. in red and white wines. 35:9-15.
Nodes. grapevine response to increased node number. 35:161-3.
Nutrient level comparisons. 35:124-33.

O
Oak-aging. Armagnac. 35:77-81.
aroma comparison to glass-aged wine. 196-9.
Brettanomyces detection. 35:143-5.
Overwintering host. for grape leafhopper egg parasite. 35:156-60.

P
Packaging of table grapes. 35:5-8.
Palomino wine. comparison of volatiles. 35:151-5.
pH. changes during grape berry ripening. 35:220-7.
   effect on red muscadine grape wine. 35:35-9.
Phenolic compounds. extraction by oak-aged Armagnac. 35:77-81.
Phenology. grape root. 35:206-11.
Phenols. component changes during aging of Setubal wines. 35:146-50.
Phosphorus. levels in grape leaf petioles and blades. 35:124-33.
Physiological changes during grape berry maturation. 35:220-7.
Phytotoxicity. of fenarimol and triadimefon to vines. 35:97-9.
Polyphenols. flavor thresholds in water. 35:134-6.
   red and white wine treatment. 35:9-15.
   wine made with decanter centrifuge. 35:103-6.
Potassium bitartrate. spectroscopic analysis of wine crystals. 35:178-82.
Potassium. levels in grape leaf petioles and blades. 35:124-33.
   levels in wine from K fertilized Shiraz. 35:200-5.
   status of Shiraz. 35:40-5.
Potassium fertilizer. See fertilizer.
Powdery mildew. grape. dual culture on V. vinifera L. 35:170-4.
Processing. wine. practices in California. 35:137-42.
Procyanidins. thresholds of polyphenolics in water. 35:134-6.
Propagation. V. berlandieri. 35:75-6.
   V. cinerea. 35:75-6.
Pruning.
   severity. effect on Concord bud and cane tissues. 35:237-41.
   influence on yield and quality. 35:23-7.
   vine response to increased node number. 35:161-3.
Q
Quality. of grape cultivars in Arkansas. 35:216-19.
R
Raman spectroscopy. analysis of wine crystals. 35:178-82.
Red wine. See wine.
Ripening. grape berry. 35:220-7.
S
Saccharomyces fermentati. volatiles in Palomino wine and sherry. 35:151-5.
Sample preparation for wine analysis. 35:28-9.
Sampling. Vidal blanc grapes for soluble solids and titratable acidity. 35:242-6
Sauvignon blanc grapevines. response to increased node number. 35:161-3.
Sensory evaluation. aroma comparison of oak- and glass-aged wines. 35:196-9.
   glycerol in white wine. 35:110-12.
   influence of malolactic strain. 35:1-4.
   of oak-aged Armagnac. 35:77-81.
   standardized wine aroma terminology. 35:107-9.
Setubal wine. component changes during aging. 35:146-50.
Sherry. comparison of volatiles. 35:151-5.
   submerged culture flor. 35:151-5.
Shiraz grapevines. K fertilizer effect on must and wine. 35:200-5.
Soluble solids. sampling Vidal blanc grapes. 35:242-6.
Sparkling wine. from muscadine cultivars. 35:72-4.
Spoilage. wine. contribution of 2-ethyl-3,4,5,6-tetrahydropyridine. 35:46-8.
Spur length. influence on yield and quality. 35:23-7.
Stability. cold. testing practices in California. 35:137-42.
   color. red muscadine grape wine. 35:35-9.
   heat. testing practices in California. 35:137-42.
Stabilization. practices in California. 35:137-42.
   white wine. 35:212-15.
Standardized terminology. wine aroma. 35:107-9.
Stomatal behavior. wind effects on V. vinifera. 35:164-9.
Storage time. effect on red muscadine grape wine. 35:35-9.
Submerged culture flor sherry. 35:151-5.
Sugar. changes during grape berry development. 35:220-7.
   enzymatic assay for glucose and fructose. 35:257.
Sulfur dioxide. effect on red muscadine grape wine. 35:35-9.
Sweetess. glycerol in white wine. 35:110-12.

Table wine. See wine.

Tannin. in oak-aged Armagnac. 35:77-81.
Tatura Trellis. 35:82-7.

Temperature. effect on red muscadine grape wine. 35:35-9.


Thinning. effect on Cabernet Sauvignon wine. 35:30-4.
Thinning. effect on Carignane. 35:247-52.

Thompson Seedless grapevines. leaf area estimation. 35:16-22.

trellising. 35:94-6.

Tissue analysis. nutrient level comparisons of 26 cultivars. 35:124-33.


Titratable acidity. sampling Vidal blanc grapes. 35:242-6.

Training system. influence on yield and quality. 35:23-7.

Tatura Trellis. 35:82-7.

Transpiration rate. wind effects on V. vinifera. 35:164-9.

Trellis. height effect on Thompson Seedless yield. 35:94-6.

Tatura. 35:82-7.

Triadimefon. phytotoxicity to grapevines. 35:97-9.

Ultraviolet absorbance. component changes during aging of Setubal wines. 35:146-50

Uncinula necator. dual culture on V. vinifera L. 35:170-4.

Vibrational spectroscopy. analysis of wine crystals. 35:178-82.

Viscosity. contribution of glycerol in white wine. 35:110-12.

Vitis. deep supercooling of buds. 35:175-7.

V. berlandieri., propagation. 35:75-6.

V. cinerea., propagation. 35:75-6.

V. rotundifolia Michx.. color and stability of muscadine wine. 35:35-9.

sparkling wine. 35:72-4.

yield and quality of grape cultivars in Arkansas. 35:216-19.

V. vinifera L., dual culture of grape powdery mildew. 35:170-4.

yield and quality of grape cultivars in Arkansas. 35:216-19.

wind effects on water relations. 35:164-9.
trellising. Tatura Trellis. 35:82-7.

Volatile. Palomino wine and sherry. 35:151-5.

Water relations. effect on K status of Shiraz. 35:40-5.

wind effects on V. vinifera. 35:164-9.

White Riesling. deep supercooling of dormant and deacclimating buds. 35:175-7.

White wine. See wine.

Wind. effects on water relations of V. vinifera. 35:164-9.

Wine crystals. spectroscopic analysis. 35:178-82.

Wine quality. effect of thinning and yields on 35:30-4.

Wine. Cabernet Sauvignon. alpha amino. 35:30-4.
aroma comparison of oak- and glass-aged wines. 35:196-99.

Carignane. crop level effect on. 35:247-52.
cooperage. See cooperage.
edulcoration. 35:88-93.
enzymatic assay for glucose and fructose. 35:257.
madiera-style. See madiera.
mango. 35:63-5.
muscadine sparkling. 35:72-4.

Palomino. comparison of volatiles. 35:151-5.
potassium fertilizer effect on. 35:200-5.
processing practices in California. 35:137-42.
Setubal. component changes during aging. 35:146-50.
stabilization. 35:212-15.

Villard noir. biogenesis of amines. 35:228-36.

white. edulcoration. 35:88-93.

Winemaking. decanter centrifuge. 35:103-6.


Wood. oak. aroma comparison of oak- and glass-aged wines. 35:196-9.
X
Xiphinema americanum. grape root phenology relative to control. 35:206-11.
Xylitol. edulcoration of white wine. 35:88-93.

Y
Yield. Carignane. crop level effect on. 35:247-52.

Z
Zinc. levels in grape leaf petioles and blades. 35:124-33.