

CONTENTS

Review Article

Effects of Elevated Atmospheric Carbon Dioxide on the Vineyard System
of *Vitis vinifera*: A Review

M.E. Clemens, A. Zuniga, and W. Oechel 1-10

Research Articles

Manipulating Nitrogen and Water Resources for Improved Cool Climate
Vine to Wire Quality

H.V. Walker, J.E. Jones, N.D. Swarts, and F. Kerlake 11-25

Mechanical Pruning and Soil Organic Amending in Two Terroirs. Effects on
Wine Chemical Composition and Sensory Profile

*M. Botelho, H. Ribeiro, A. Cruz, D.F. Duarte, D.L. Faria, K.S. Khairnar,
R. Pardal, M. Susini, C. Correia, S. Catarino, J. Cadima, R. de Castro, and
J.M. Ricardo-da-Silva* 26-38

Effects of Colored Shade Nets on Grapes and Leaves of Shine Muscat Grown
under Greenhouse Conditions

Q. Zha, J.Wu, X. Xi, Y. He, X. Yin, and A. Jiang 39-47

Influence of Vibration on the Consumption of Oxygen and Sulfur Dioxide
in Wine Bottles Considering Bottle Position and Headspace Volume

H. Renner, E. Richling, and D. Durner 48-55

Cluster Thinning Does Not Improve Fruit Composition in Grapevine
Red Blotch Virus-infected *Vitis vinifera* L.

C.R. Copp, A.N. KC, and A.D. Levin 56-66

CONTENTS *continued*

Research Note

Quinones of *Macfadyena cynanchoides* for Control of *Aspergillus carbonarius*
and *Aspergillus niger* in Wine

G.R. Apud, D.A. Sampietro, and P.A. Aredes-Fernández 67-73

Erratum 74