

## 2009 Publications

### Scientific Publications (refereed)

Rebière, L., Clark, A., Schmidtke, L., Prenzler, P. & Scollary, G. (2009) A quantitative solid phase microextraction-gas chromatography mass spectrometry method for volatile compounds in Semillon wines, *Journal of Chromatography A* (submitted)

Saliba, A., Bullock, J. & Hardie, J. (2009) Consumer rejection threshold for 1,8-cineole (eucalyptol) in Australian red wine. *Food Quality and Preference*

Rudnitskay, A., Schmidtke, L., Delgadillo, I., Legin, A. & Scollary, G. (2009) Study of the influence of micro-oxygenation and oak chip maceration on wine composition using an electronic tongue and chemical analysis, *Analytica Chimica Acta*, 642, pg 235-245

Greer, D. & Sicard S. (2009) The net carbon balance in relation to growth and biomass accumulation of grapevines (*Vitis vinifera* cv. Semillon) grown in a controlled environment, *Functional Plant Biology* (accepted)

Greer, D. & Rogiers, S. (2009) Water Flux of *Vitis vinifera* L. cv. Shiraz Bunches throughout Development and in Relation to Late-Season Weight Loss, *American Journal of Enology and Viticulture*, 60:2, pg 155-163

Rahman, L., Creecy, H. and Orchard, B. (2009) Impact of citrus nematode (*Tylenchulus semipenetrans*) densities in soil on yield of grapevines (*Vitis vinifera* 'Shiraz') in south-eastern New South Wales, *Vitis* 47 (3), 175–180.

Hall, A. and Jones G (2009) Effect of potential atmospheric warming on temperature based indices describing Australian winegrape growing conditions, *Australian Journal of Grape and Wine Research*, Volume 15, Number 2, pg 97-119

Barlow K., Bond, W., Holzapfel, B., Smith, J. and Hutton, R. (2009) Nitrogen concentrations in soil solution and surface run off on irrigated vineyards in Australia, *Australian Journal of Grape and Wine Research*, Volume 15, Number 2, pg 131-143

Blackman, J. and Saliba, A (2009) Sensory Characterisation of Hunter Valley Semillon using Descriptive Analysis, *Flavour and Fragrance Journal* (accepted)

Holzapfel, B., Smith J., Field S. and Hardie, J. (2009) Dynamics of Carbohydrate Reserves in Cultivated Grapevines and Vine Growth, *Horticultural Reviews* (accepted)

Field, S., Smith, J., Holzapfel, B., Hardie, J. and Emery, N. (2009) Grapevine (*Vitis Vinifera* L.) responses to soil temperature: xylem borne cytokinins are consistent with the mobilization of carbohydrate reserves between budbreak and anthesis, *American Journal of Enology and Viticulture*, 60:2, pg 164-172

Smith, J. and Holzapfel, B. (2009) Cumulative response of grapevine (*Vitis Vinifera* L.) to late season perturbation of carbohydrate reserve status, *American Journal of Enology and Viticulture* (accepted)

### **Research Conference – Papers and/or addresses**

Quirk, L., Bright, J., Somers, A., Moulds, G., Hackett, S., Dart, J. & Marte, S. (2009) Finding the grape gaps: developing a profile of New South Wales wine grape growers; a scoping stakeholders study, 16th International Symposium GiESCO 2009, July 12- 15, 2009, UC Davis

Whitelaw-Weckert M. (2009). Biological control of *Cylindrocarpon* spp. on grapevine roots. Proceedings of the Fifth Australasian Soilborne Diseases Symposium. Thredbo, NSW, 5-7<sup>th</sup> February 2009.

Rahman L, Weckert M. (2009). Association of pathogenic fungi and pest nematodes with young vine decline in Riverina of NSW. Proceedings of the Fifth Australasian Soilborne Diseases Symposium. Thredbo, NSW, 5-7<sup>th</sup> February 2009.

Hall, A. (2009) Forecasting grape yield with high spatial resolution optical remote sensing. Paper for Frutic Chile 2009, Information and Technology for Sustainable Fruit and Vegetable Production, "8th Fruit, Nut, and Vegetable Production Engineering Symposium", Concepción, Chile, 5-9 January 2009.

### **Research Conference – Posters**

Blackman, J. and Saliba, A. (2009) Sweetness preference of novices, experienced consumers and winemakers in Hunter Valley Semillon wines, 8th Pangborn Sensory Science Symposium, Stazione Leopolda, Florence, Italy, 26-30 July 2009.

Saliba, A. (2009) The influence of perceived healthfulness on wine consumption patterns in an Australian sample, 8th Pangborn Sensory Science Symposium, Stazione Leopolda, Florence, Italy, 26-30 July 2009.

Sailba, A. (2009) The importance of taste in comparison to psychological drivers of consumption for wine, beer, spirits and premixed alcoholic beverages, 8th Pangborn Sensory Science Symposium, Stazione Leopolda, Florence, Italy, 26-30 July 2009.

Rebiere, L., Clark, A., Prenzler, P., Scollary, G., Lavin, E. and Acree, T. (2009) Volatile aroma profile of Semillon wines from Hunter Valley using GC-MS and GC-O-MS, In *Vino Analytica Scientia* Symposium, Angers, France, 2-4 July, 2009.

Clark, A., Vestner, J., Barril, C., Maury, C., Prenzler, P. and Scollary, G. (2009) The isomeric influence of antioxidant and phenolic compounds on the oxidation of a model wine system: ascorbic acid, erythorbic acid, (+)-catechin and (-)-epicatehin, In *Vino Analytica Scientia* Symposium, Angers, France, 2-4 July, 2009.

### **Workshop - Presentations**

Holzapfel, B., Quirk, L., Hutton, R. and Holland, J. (2009). Wine Grape Nutrition and use of fertilisers and other nutritional supplements to sustain production. Water & Vine managing the challenge, Adelaide, March 18

### **Technical Reports and Industry Journals (non-refereed)**

Weckert, M., Rahman, L. & Hutton, R. (March/April 2009) The impact of permanent grass swards on the microbial health of vineyard soils, *Australian Viticulture*, pg 39-40

Alonso, M, Weckert, M. & Penfold, C. (March/April 2009) Grape marc compost and disease resistance, *Australian Viticulture*, pg 41

Clarke, S., Rogiers, S. & Hackett, S. (March 2009) The frustration of fruit splitting, Australian & New Zealand Grapegrower & Winemaker, pg 37-39

Hackett, S., Greer, D. and Rogiers, S (February 2009) Avoiding potential heat stress, Australian & New Zealand Grapegrower & Winemaker, pg 14-15

West, E., Cocher, E., Steel, C. and Ash, G. (February 2009) Bacterial endophytes and grapevines, Australian & New Zealand Grapegrower & Winemaker, pg 16-18

Saliba, A., Bruwer, J. and Blackman, J. (February 2009) Can consumers be convinced that a wine is a regional hero?, Australian & New Zealand Grapegrower & Winemaker, pg 42-47

West, E., Cocher, E., Steel, C. and Ash, G. (January/February 2009) Bacterial endophyte communities in grapevines, Australian Viticulture, pg 41-42

Weckert, M. (January/February 2009) Infection of grapevines with *Pseudomonas syringae* in a frost-prone region, Australian Viticulture, pg 55

Holzappel, B. and Smith, J. (January/February 2009) The relationship between vine carbohydrates and reproductive development, Australian Viticulture, pg 56-57

#### **Leaflets / Brochures / Technical Guides**

NWGIC Flyer  
2008 Annual Report

#### **Public Presentations**

#### **Media Reports**

Prime News – 4 June 2009 – Dr Anthony Saliba was on the news to discuss his press release on ‘The eucalyptus flavour’

Australian & New Zealand Grapegrower & Winemaker (February 2009) Dr Bruno Holzappel was photoed and mentioned in an article about the ASVO Symposium in Adelaide in November 2008, pg 8-9.

Australian & New Zealand Grapegrower & Winemaker (February 2009) NWGIC is mentioned on a number of occasions in an article from Dr John Harvey, GWRDC, pg 19-21

Australian & New Zealand Grapegrower & Winemaker (February 2009) R & D at Work, People in research – Dr Anthony Saliba, pg 22

#### **Press Release**

Dr Anthony Saliba – press release ‘The eucalyptus flavour’ 28 May 2009

Prof Jim Hardie – press release on becoming Director, NWGIC

#### **Other Communications**