

## SOIL AND WATER SCIENCE DIVISION : COMPLETED PROJECTS SINCE 2005

Project Number	Project Title	Project start and end date	Project Leader	Funding source
280018	Effect of soil surface management practices on soil and root microbiology, rootzone parameters and tree performance in apple.	1/04/2007-31/03/2010	Dr. A.H. Meyer	Deciduous Fruit Producers' Trust and ARC
280019	Survey on mycorrhizal fungi in apple orchards.	1/04/2008-31/03/2011	Dr. A.H. Meyer	Deciduous Fruit Producers' Trust and ARC
281015	The effect of deficit irrigation on apple tree performance.	1/04/2005-31/03/2009	Dr. T. Volschenk	Deciduous Fruit Producers' Trust and ARC
281016	The effect of deficit irrigation on pear tree performance.	1/04/2008-31/03/2012	Dr. T. Volschenk	Deciduous Fruit Producers' Trust and ARC
WW02/16	Nursery mycorrhizas as an integral part of proactive disease and pest control measurements.	1/04/2005-31/03/2007	Dr. A.H. Meyer	Winetech and ARC
WW02/17	The effect of irrigation method and frequency on the performance of selected cover crops and the effect of these management practices on grapevine performance and soil quality in the Breede River Valley.	1/04/2006-30/11/2011	Dr. J.C. Fourie	Winetech and ARC
WW02/19	The evaluation of different herbicides and herbicide application techniques for total chemical control of leaf-roll infected grapevines, as part of a strategy to prevent the transfer of the virus to newly planted grapevines.	1/04/2006-31/03/2012	Dr. J.C. Fourie	Winetech and ARC
WW02/20	The evaluation of different indigenous Renosterveld species for cover crop management in the Coastal region, specifically for competition and environmental effects.	1/04/2006-31/03/2010	Dr. J.C. Fourie	Winetech and ARC
WW02/21	Cover crop potential to fumigate soil	1/04/2009-31/03/2014	Dr. J.C. Fourie	Winetech and ARC
WW03/14	Effect of soil surface management practices and soil parameters on soil microbiology and grapevine performance.	1/04/2008-31/03/2011	Mr. J. Wooldridge	Winetech and ARC
WW04/23	Determining optimum irrigation schedules for drip irrigated vineyards in the Breede River valley and Coastal region.	1/04/2005-31/03/2010	Dr. P.A. Myburgh	Winetech and ARC
WW04/24	Reduce canopy management with deficit irrigation	1/04/2011-31/03/2015	Mr. E. Lategan	Winetech/WRC and ARC
WW13/14	Determining the contribution of soil water status and selected atmospheric variables on water stress in grapevines.	1/04/2005-31/03/2010	Dr. P.A. Myburgh	Winetech and ARC
WW13/15	Effect of soil mineralogy and potassium buffer capacity on wine quality.	1/04/2005-31/03/2012	Mr. J. Wooldridge	Winetech and ARC
WW13/16	Quantification of the effects of different terroirs on wine quality in the Overberg region.	1/04/2005-31/03/2010	Ms. P. Shange	Winetech and ARC

WW19/12	The environmental impacts and benefits of winery solid waste: filter materials and fining agents.	1/04/2006-31/03/2007	Ms. N.S. Masekwana	Winetech and ARC
WW19/13	The impact of shorter retention time on wastewater treatment by constructed wetlands.	1/04/2006-31/03/2009	Dr. A.R. Mulidzi	Winetech and ARC
WW19/14	Irrigation with effluent water	1/04/2009-31/03/2014	Dr. P.A. Myburgh	Winetech/WRC and ARC
WW19/15	Beneficial use of winery solid waste: composting	1/04/2011-31/03/2015	Dr. A.R. Mulidzi	Winetech and ARC