



















Smart Viticulture

Tuesday 22 May 2012

Havelock North Community Centre, Te Mata Rd

08:00 Registration			
8:50	Introduction		Dan Bloomer LandWISE Programme and house keeping
8:55	Platinum Sponsors: EIT and CASE-IH		
9:00	Some recent advances in Precision Viticulture		Rob Bramley CSIRO, Australia AGMARDT Keynote speaker
9:30	Vineyard variability		Dan Bloomer LandWISE Zoning and the effect of vineyard variation on fruit quality
9:50	Economics in the vineyard - do Gross Margins stack up?		Ollie Powrie Villa Maria Wines Results and observations from 2011-12 season
10:20	Trade Display introductions		60 second intros
10:30	Morning Tea		Sponsored by LandWISE
11:00	GPS systems - levels of accuracy		John Ahearn GPS Control Solutions Accuracy and Precision of GPS systems
11:15	EM38 soil sensing		Pierre Roudier Landcare Research Steps in benefitting from EM Soil maps
11:35	Crop canopy sensors and zoning		Dan Bloomer LandWISE NDVI and other indices, sources of images
11:55	The use of GIS to track the spread of disease		Matt Flowerday GPS-It Use of imagery and GIS analysis to understand patterns of spread
12:15	Lunch		Sponsored by EIT
13:15	Gold Sponsors		
13:20	Precision viticulture in France		Pierre Roudier Landcare Research Some recent developments
13:50	Defoliation timing and effects		Mark Krasnow EIT-Hawke's Bay Timing of defoliation and effect on rots and yields and grape and wine composition
14:10	Leaf and crop removal effects on grape & wine quality		Petra King EIT-Hawke's Bay The effects of defoliation in Merlot
14:30	Afternoon Tea		Sponsored by Case IH
15:00	Machine control		John Ahearn GPS Control Solutions Possibility of precise operations with automation
15:20	Developments in pruning machines		Tom Botterill University of Canterbury Optical recognition Robotic developments
15:40	Harvest monitoring		Tim Neale precisionagriculture.com.au Harvester and truck tracking, Yield monitoring Load prediction
15:55	Smart harvesting		Myron Bird Hydralada Harvester control Quality on the run
16:10	Where should winegrowing be heading with smart tools?		Panel Wrap Up
16:30	Viticulture Section finishes		