

# **EFFECTIVE VINEYARD SPRAYING**

*April 27, 2016*

**8:30 AM Course registration starts**

**9.00 -9.15** Introductions, course overview / aims / objectives

**9.15 – 10.15 Session 1 Sprayer designs**

- The different types of vineyard sprayer, single row to multi row – their relative merits
- Designs: ancient and modern, introduction to droplets, how they form, effect of size

**10.15** coffee/tea

**10.30 -11.30 Session 2 Droplets and Nozzles**

- Droplet formation and Nozzle selection: flat fan: F,M,C, and hollow cone, What's new in design

**11.30 - 12.00 Session 3 Calibration**

- Calibration of airblast sprayers and boom sprayers – use of You Tube, distance learning courses

**12.00 – 12.45** Lunch

**12.45 - 1.45 Session 4 Airflow characteristics**

- What is the purpose of the air/ how to modify it to improve deposition and reduce drift
- Drift and how to reduce it – air induction nozzles and other systems

**1.45 - 2.30 pm Session 5 Effective sprayer management**

- Maximising sprayer output, improving logistics
- Getting the best from the spraying system
- Filling and mixing , decontamination after use

**2.30 – 3.00 Session 6 Precision spraying**

- The future of canopy sensors to monitor density, tree row volume and spray used.

**3.00 - 3.15 Q and A; wrap up**

**3.15 PM Course ends**