

# EFFECTIVE VINEYARD SPRAYING

## Timetable

**Course registration starts: 8.30 am**

**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 and spray used.

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

**3.15 pm course ends**