

EFFECTIVE ORCHARD 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 orchard 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