

Effective Spraying of Fruit Crops:

A short course for pesticide applicators and owners of sprayers and an in-depth training course on better spraying techniques.

June 15, 2012 | AHS Jr. Agricultural Research and Extension Center, Winchester, VA

A new course, developed by Dr Andrew Landers, application technology specialist based at Cornell University, NYSAES, Geneva, NY, is an in-depth training course on better spray application techniques for apple and grape growers and will:

- Improve your knowledge of spraying techniques leading to better deposition and less drift.
- Improve your timeliness of application resulting in better disease and insect control.
- Reduce off-target drift keeping you within the law.
- Show you how to modernize your existing sprayer.
- Inform you of new developments in sprayer design keeping you up-to-date.
- Help you potentially reduce pesticide use by 30% - 40%, improving your profitability.

Much has changed in recent years regarding application techniques. Course members will learn how to;

- find out how their sprayer works,
- make effective adjustments,
- place the spray on-target,
- calibrate their sprayer,
- select the correct nozzles for the correct droplet size,
- change airflow and speed to keep the spray in the canopy,
- monitor where their spray is going using cards and tracer dyes.

EFFECTIVE FRUIT SPRAYING COURSE SCHEDULE

*This innovative course is unique, providing an intensive, applied course on **June 15th 2012** and will include a hands-on demonstration in the field of methods to improve your own sprayer as well as a demonstration of new sprayers. Course size is limited to allow for good interaction and better studying. The course is aimed at sprayer operators to enable them to get the best from their machine.*

9:00 AM Introductions, course overview/aims/objectives

Session 1 How to improve deposition - the role of nozzles and droplets.
What size nozzle, how fast, what pressure, what application volume?

10:15 AM Break

10:30 AM **Session 2** Getting droplets into the target – the role of air.
Drift and how to reduce it .
How fast, how much air, alternate rows, the Audi R8 spyder.

12:00-12:45 PM LUNCH

12:45 PM **Session 3** Field Operation
Getting the best from the sprayer you own - modifying your sprayer.
How to monitor where your spray is going.

2:15 PM **Session 4** Demonstration of New Sprayers
A number of new sprayers will be shown to fruit growers – the manufacturer/dealer representative will introduce the relative merits of their sprayer, followed by an in-row demonstration. Andrew Landers will then discuss each machine.

4:15 PM **Course Ends**

