Effective Orchard Spraying
Tuesday March 15th, 2016
9AM—3:15PM
Hudson Valley Lab, 3357 Us Highway 9W, Highland, NY 12528

Through this full-day day course on Effective Orchard Spraying growers will learn how to improve their timeliness and therefore apply sprays when needed and not be forever chasing the calendar. Correct application at the correct time will allow growers to make better use of their spray over the season.

Presenter: Andrew Landers
Pesticide application technology specialist, Cornell University

This in-depth training course on better spray application techniques 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 thus improving your profitability.

Pre-Registration is Required - Registration fee is $15 (lunch included)
Deadline: Tuesday, March 8th—Register soon, space is limited!

Registration Options:
On-line: http://enych.cce.cornell.edu OR
Mail: Send your registration form (below) to ENYCHP, CCE Rensselaer County, Agriculture & Life Science Bldg., 61 State Street, Troy NY 12180 OR call (518) 272-4210

For more information please contact: Dan Donahue at (845) 691-7117 or djd13@cornell.edu

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Effective Orchard Spraying — Registration From

Send Your Registration Form To: ENYCHP, CCE Rensselaer County, Agriculture & Life Sciences Bldg., 61 State Street, Troy, NY 12180.

Make checks payable to “CCE ENYCHP”

This event is $15.00

# of Participants ______ x $15.00 = Total ____________

Name (s) ________________________________________________

Business Name ____________________________________________

Address ________________________________________ City ________ Zip ________

Phone (in case of cancellation)___________________________ E-mail __________________________
EFFECTIVE ORCHARD SPRAYING

Agenda

8:30  Sign In
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  Break
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 air blast 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  Session 5 Effective sprayer management
   Maximizing 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&A , Wrap Up
3:15  Course Ends