

In a very **practical manner**, **Effective Orchard Spraying** shows sprayer owners and operators how to get the best from their machine and spraying operation.

Excellent disease and insect control is required for the production of quality fruit. In order to obtain effective coverage, the right product must be applied to the right target at the right time.

**Effective Orchard Spraying** details:

- airflow adjustment and nozzle orientation
- methods of quantifying deposition
- maintenance and sprayer adjustments
- drift reduction methods based on trials at Cornell University in the past decade
- good management of the spraying operation to maintain timeliness
- selecting sprayers
- getting the most from the spraying system

## CHAPTER LIST

1. Introduction
2. Canopy and Herbicide Sprayers
3. Handheld & Small Sprayers
4. Sprayer Layouts & Components
5. Nozzles and Droplets
6. Nozzle Selection and Calibration
7. Adjusting the Sprayer for Improved Deposition
8. Pesticide Drift and Reduction
9. Operator Safety
10. Effective Orchard Spraying
11. Management of the Spraying Operation
12. Precision Spraying in the Orchard
13. Sustainable Plant Protection within Sustainable Fruit Production

## Andrew Landers

Application Technology Specialist at Cornell University

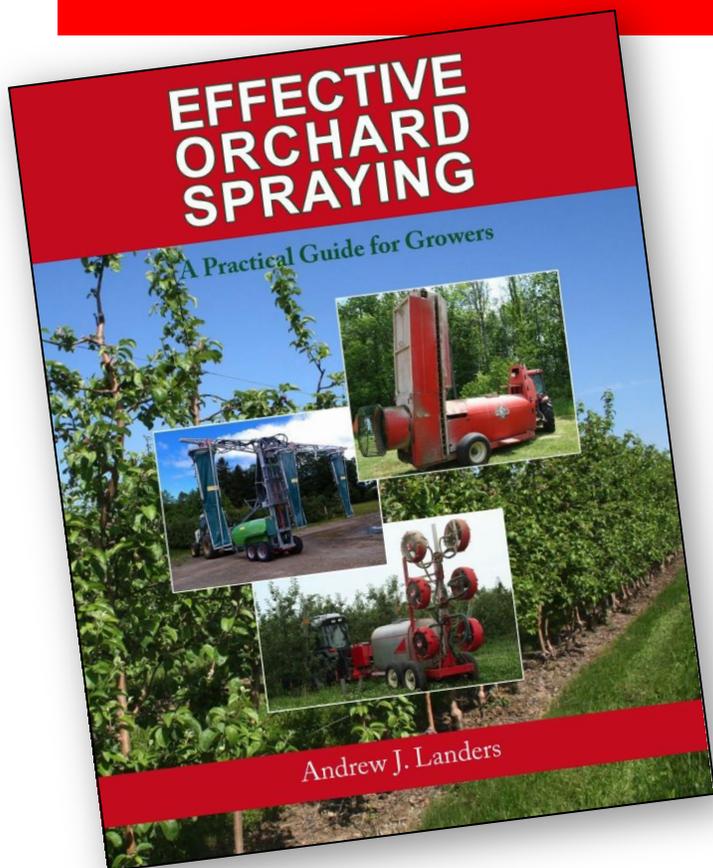
Andrew Landers directs the application technology program at Cornell University and is based at the New York State Agricultural Experiment Station in Geneva, New York where his teaching/extension/research appointment involves the use of engineering solutions to provide more effective and safer spraying.

His group at Cornell University works with application systems in fruit and vegetables and practices a multi-disciplinary approach to pesticide application, working with biologists to ensure engineering techniques are biologically effective.

In 2007 he was awarded the College of Agriculture and Life Sciences Award for Outstanding Accomplishments in Extension/Outreach. He is dedicated to promoting practical money-saving techniques for growers who are based upon sound and proven research. For those who know Andrew, he is equally at home with growers, technicians, researchers, and machinery manufacturers and is renowned for his captivating presentation style.

## MORE INFORMATION:

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## BOOK OVERVIEW

- 334 pages
- 283 photographs including 83 in full color
- 90 figures and 29 tables of useful information
- 100 line drawings
- Metric and standard units

## EFFECTIVE ORCHARD SPRAYING A Practical Guide for Growers

This book is a comprehensive resource for novice and experienced growers, as well as crop advisors, service providers, educators, communicators and students. *Effective Orchard Spraying* is written by Andrew Landers, the leading authority on orchard spraying in North America.

The book is based upon the application of science into practice, and will:

- improve deposition throughout the canopy
- reduce drift from the target area
- develop more effective use of pesticides
- improve operation and profitability of the spraying operation
- improve fruit quality through improved canopy health
- provide a comprehensive understanding of the spraying process from machine to target
- improve educational programs and college courses

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