



Professional
Applicator Training

Signature
Training Course



ASABE Standard			Comparative Size	
Symbol	Category	Color	Relative Size	Equivalent
E	Fine	Yellow		Medium Spray 1000 Microns
M	Medium	Green		Strong Medium 1250 Microns
T	Thin	Blue		Strong Fine 1500 Microns
J	Very Fine	Orange		Strong 1750 Microns
EC	Extremely Coarse	White		TV Hard Coat 2000 Microns

Professional Applicator Training

About This Training

The technology used to apply agrichemicals is rapidly changing how crop protection products must be applied in order to maximize results while minimizing spray drift. This course is geared to delivering high quality, consistent and cost effective training experiences for commercial handlers, and/or applicators, and the management that supervises them. This course has been developed to cover liquid systems with a focus on post/foiar applications.

About The Instructor

Dr. Robert Wolf began his 40+ year career as a Vocational Ag Teacher in Paris, IL and became one of the most recognized authorities in the U.S. on the subject of Application Technology

as a Professor and Extension Specialist at Kansas State University.

Throughout his career, he maintained a special interest in improving the efficiency of pest control applications to achieve maximum efficacy and minimize drift. Dr. Wolf has been recognized for his research on evaluating nozzle technology for ground sprayers. He has been the recipient of numerous awards throughout his career and has authored or collaborated on countless publications related to the application of crop protection chemicals. Dr. Wolf is constantly being asked by the application industry to share his knowledge, experience and expertise about application technology. He has conducted workshops and given talks all over the United States and other countries.

Coming to an Area Near You

The first of its kind, this self-contained mobile training course provides for live training using real equipment and scenarios re-creating real-life situations.

Professional Applicator Training courses are offered at more than 36 remote locations around the United States.



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Background

Until 2011, there had not been a course offered nationally since the Professional Applicator Institute training program sponsored by the Agricultural Retailers Association (ARA) ended in 2001. The Asmark Institute partnered with Dr. Wolf and ARA to research the need to re-invent the course using state-of-the-art information, techniques and equipment. The results indicated a serious void in the opportunity for high-quality professional applicator training for commercial ground-based applicators.

Work first began in 2009 to develop this professional applicator training program along with the infrastructure that would be essential to supporting registration, tracking, continuing education credits and communications.

Emphasizing the "Pro"

Applicators today personally interact with the farmer more than any other employee. This course stresses the applicator's importance to a successful business.

Latest Technology: Chemistry

Farmers need solutions for ever-increasing weed challenges, and with new chemistry comes new methods or considerations for application of the product. Dr. Wolf is actively engaged in this field and continually updates the course.

Latest Technology: Equipment

It's important to get the most from every application using the correct equipment in the optimum way. Keeping up with advances in equipment is an ongoing challenge and is covered in this course.

Hands-on Training

Courses include a great deal of hands-on training, demonstrations and exercises. More than \$250,000 of new equipment designed and constructed exclusively for this course is used to conduct this training.



**Earn
CEU/CCA
Credits**

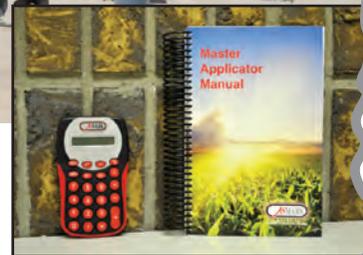


Focus is on Application Technology

This Professional Applicator Training course is interactive and hands-on in nature and best suited for a combination of indoor and outdoor settings such as at retail farm centers, fairgrounds or similar settings where equipment can be operated. The course may be offered as a stand-alone course in states where it is desired, or to supplement existing efforts where fresh equipment or an added measure of hands-on experiences may be beneficial. Course includes:

- Importance of Professionalism
- Application Systems and Equipment
- Calibration of Liquid Spray Systems
 - Variables (PSI, MPH, GPA, GPM, Spacing)
 - Selecting Nozzle Orifice Sizes
 - Calibration Checks for Accuracy
 - Adjusting for Different Carriers
- Nozzle Type Selection Scenarios Based on
 - GPA
 - Cropping Systems
 - Pesticide (Herbicide, Fungicide, etc.)
 - Mode of Action
- Measuring Spray Drift and Analysis

- Spray System Components
 - Tanks
 - Pumps
 - Plumbing, Agitation, and Distribution
 - Valves & Flow Control
 - Electronics & Rate Controllers
 - Nozzles (Spray Table Demo)
- Understanding Atomization...
 - Spray Droplet Size for Maximum Coverage and Minimized Drift
- Comparing Nozzle Types for Drift Minimization
- Spray Droplet Size Exercise
- Calibrating Droplet Size per Label Recommendation
- Adjuvant(s) Effect on Spray Pattern/Droplet Size
- Spray Drift Management Strategies
- Drift Reduction Technologies
- Application Technology
 - Air Assist
 - Pulse Width
 - Boom Swath Control
 - Variable Rate



Registration & Training Dates

Classes are limited to 30 participants and registration is on a first-come, first-serve basis. To register for this course:

- Go to asmark.org
- Click on the Compass Services logo
- Click on Signature Training Courses
- Select your course, your date and register



Compass Services

Registration includes interactive training, exercises, course manual, handouts, lunch and certificate upon completion. Cost for this course:

Pre-registered Participants	\$220
Walk-in Participants*	\$295

**Subject to available seating*

Cancellations are non-refundable, but substitutions are welcome. The Asmark Institute reserves the right to cancel or re-schedule any course due to insufficient enrollment or similar circumstances.

Training Location & Times

Professional Applicator Training courses are performed at more than 36 remote locations around the United States.

To check the schedule for the class nearest you:

- Go to asmark.org
- Click on the Compass Services logo
- Click on Signature Training Courses
- Click on Professional Applicator Training Course
- Click on Register to see the schedule

All classes are held 8:30 a.m. - 4:00 p.m. daily.

Confirmation

Once registered, participants will be sent more detailed information including a location map. Each registered participant will receive a confirmation packet with the information needed to prepare for the training.

Want a PAT course in your area?



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Contact the Agricultural Retailers Association, your participating State Agribusiness Association or the Asmark Institute to schedule a course in your area.

a.i.

Put more Active Ingredient
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with help from the
Asmark Institute

Our Lighthouse retainer service is the most comprehensive and cost effective regulatory service available anywhere in the United States.

Contact your participating State Agribusiness Association, the Agricultural Retailers Association or the Asmark Institute to schedule a Professional Applicator Training Class in your area.



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