

San Joaquin Valley Spray Application Short Course

November 12 - 14, 2019

UC Kearney Agricultural Research and Extension Center
9240 S Riverbend Ave - Parlier, CA 93648

Tuesday, November 12, 2019

Nectarine Room

Moderator: Elizabeth Grafton-Cardwell

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| 10:30 AM | <i>Registration</i> |
| 11:00 | Welcome and Introductions— <i>Jeff Dahlberg, Director, Kearney Agricultural Research and Extension Center</i> |
| 11:10 | Course Overview and Housekeeping— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i> |
| 11:20 | Sprayer Basics: Understanding How Sprayers Work— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i> |
| 12:00 PM | Lunch |
| 1:00 | Sprayer Types, Components, and Maintenance— <i>John Roncoroni, Advisor, Cooperative Extension, Napa County</i> |
| 1:30 | Nozzle Selection, Maintenance, and the Weather (Drift Management)— <i>Franz Niederholzer, Advisor, UCCE, Colusa County</i> |
| 2:15 | Group Discussion: Lessons from the Season— <i>Elizabeth Grafton-Cardwell, Director, Lindcove Research and Extension Center</i> |
| 3:00 | Break |
| 3:15 | Sprayer Calibration Basics— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i> |
| 4:00 | CitrusSprayEx Airblast Sprayer Calibration Demo— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i> |
| 4:15 | Quiz 1— <i>Elizabeth Grafton-Cardwell, Director, Lindcove Research and Extension Center</i> |
| 4:30 | How to Measure Spray Coverage— <i>Franz Niederholzer, Advisor, Cooperative Extension Colusa County</i> |
| 5:00 | Adjourn |

Wednesday, November 13, 2019

Field Plots

7:00 AM	Breakfast
8:00	Air-Assisted Sprayer Calibration Demo in a Grape Vineyard— <i>Lynn Wunderlich, Advisor, UCCE Central Sierra, and Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
10:00	Break
10:20	Air-Assisted Sprayer Calibration Demo in an Almond Orchard— <i>Franz Niederholzer, Advisor, UCCE Colusa County and Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
12:00 PM	Lunch
1:00	Boom Sprayer Calibration Demo— <i>John Roncoroni, Advisor, UCCE Napa County, and Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
2:30	Backpack Sprayer Calibration Demo— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
3:15	Break
3:30	Weedit Spray Technology Demo— <i>Neil Knaak, Field in Technology</i>
5:00	Adjourn

Thursday, November 14, 2019

Nectarine Room

Moderator: *Gabriel Torres*

7:00 AM	Breakfast
8:00	Quiz 2— <i>Gabriel Torres, Advisor, UCCE Tulare County</i>
8:15	CitrusSprayEx Airblast Spray Evaluation Demo— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
9:00	Aerial Spray Application Techniques, Challenges, and Advances— <i>Rob Scherzinger, Aspen Helicopter and Kevin Meskel, Aspen Helicopter</i>
9:30	Pesticide Efficacy and Resistance— <i>Gabriel Torres, Advisor, UCCE Tulare County</i>
10:00	Break
10:15	Pesticide Safety and Updates on Regulations— <i>Lisa Blecker, Coordinator, Pesticide Safety Education Program and Office of Pesticide Information and Coordination</i>
10:45	Updates on Drone Spraying Regulations— <i>Jose Bueno, CDPR</i>
11:15	Advances in Spray Technology: What is Coming?— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
11:45	Evaluation of Selected Advanced Spray Technologies— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
12:00 PM	Lunch
1:00	Spray Drift Management Practices for Orchard Air Blast Sprayers— <i>Parry Klassen, Coalition for Urban Rural Environmental Stewardship</i>
1:20	Insecticide Coverage: Comparing Air vs. Ground Application for Tree Nuts— <i>Joel Siegel, USDA Agricultural Research Service</i>
1:40	Quiz 3— <i>Gabriel Torres, Advisor, UCCE Tulare County</i>
2:00	Wrap-Up Discussion— <i>Peter Ako Larbi, UC ANR CE Specialist, KAREC</i>
3:00	Adjourn