

MONDAY Morning Session			
TIME	SPEAKER	TOPIC/Title	PRESENTATION SUMMARY
6:00a-7:15a	Breakfast		
7:30a-8:00a	Business meeting and Chairman info		
8:00a-8:15a	Moderator – James McClenahan	Welcome and CE Sign-in Procedures Includes – App instructions	Presentation will cover the types of licenses & certificates (PCA, QAL, and QAC), the minimum requirements and the different categories one may hold (Category H, M, N, P or Q). Information will be given on record keeping and submission for license renewal.
8:15a-8:45a	Joel Nelsen President CEO California Citrus Mutual	Fighting For A Future	Huanglongbing (HLB), citrus greening, is a lethal disease of citrus that is vectored by the Asian citrus psyllid will be discussed. Found in Southern California, the incurable disease poses a serious threat to both commercial farms and backyard citrus trees. We will discuss the recent updates on vector and disease detection, and quarantines. Discussion of recent industry and scientific community successes in the proper utilization of varied pesticides and beneficial insects for management. Speaker will address the differences between disease presentation in Northern and Southern California.
8:45a-9:15a	Ruben Arroyo Riverside County Ag Commissioner & Ruthann Anderson CAPCA CEO	Bee Where	<i>Discussion of current regulations incorporated into Cal Ag Permits Bee Where Registry and updated enforcement model from CAC and support from CDFA planned for Almond Bloom 2019. Discussion on ways PCAs and Applicators can increase their communication around pesticide use, drift, forage mitigation and best management practices as part of their IPM practice. Demonstration of the new GIS layer features and announcement of the newly established Bee Where Council, a cooperative effort between CACASA and CAPCA with outreach funding requested from DPRs IPM Innovation Grant.</i>
9:15a-9:45a	Jay Vroom Croplife America	FIFRA	Main Points: Crop Life America has been engaged on behalf of the crop protection industry in providing counsel to US EPA regarding PREA, NPDES regulations and will address PCAs as to the impact regulations will ultimately have on product registrations and pest management recommendations. Endangered Species regulations will also be discussed.

			Presenter will also provide an Update on Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and how it affects the California market.
9:45a – 10:15a	Joshua Huntsinger Placer County Ag Commissioner CACASA Cannabis Workgroup	Pesticide Regulation and Cannabis – The PCA’s Role in an Emerging Industry	The presenter will provide context of Cannabis law at the federal and state level. As well as the current status of the state law. He will provide a high overview of the local regulation status and will discuss specific issues related to pesticide regulation including the following: guidance regarding allowable materials, how the issue is influenced by state & federal conflict, and specific concerns for Pest Control Advisers (such as liability, business opportunity, etc.)
10:00a-10:15a			
10:15a-11:00a	S. Eliza Halcomb Medical Sciences & Outreach Monsanto	Understanding Glyphosate – What does the science say and how do we effectively communicate with the public?	Presenter will discuss updates to Prop 65 (list of chemicals additives or ingredients such as pesticides), review the environmental and human health feature of Roundup (glyphosate), and explain the breakdown properties & toxicity properties of glyphosate.
11:00a-11:30a	Mel Machado Director, Member Blue Diamond Growers	Review and Results of NOW Control and Damage Levels in 2017 Crop	Main Points: Postmortem Review and Discussion of Navel Orangeworm Control Results in Almonds for 2017. Review of Damage and rejects statistics and impact on Blue Diamonds 3000+ Growers. Review of Grower practices and Grade results based on review of various grower control strategies and issues. Importance of Winter Sanitation for upcoming season Main Points: <ol style="list-style-type: none"> 1. Introduction and scope of NOW Problem in Almonds (5 Minutes) 2. Review of NOW Problem Levels in 2017(5 Minutes) 3. Pictures and Overview of Damage per variety and potential for NOW infestation – discussion of practical solutions and prevention, winter field scouting considerations (5 Minutes) 4. Discussion on treatment thresholds and economic consideration and analysis for economic damage levels per variety (10 Minutes) 5. Winter sanitation and pre-bloom shaking – considerations for winter shaking and polling to prevent damage to blossoms (5 Minutes)

11:30a-12:00p	Cynthia Stroup Digital Adoption Lead Nutrien Ag Solutions	Impact of Data and Digital on Crop Protection and Pest Control	Global perspective of the Crop Protection Industry – current challenges and opportunities how Data and Digital will change the landscape of retail and impact all aspects of the California pest management industry.

MONDAY Afternoon Session			
TIME	SPEAKER	TOPIC/Title	PRESENTATION SUMMARY
12:00p-1:30p	Lunch	LUNCH	
12:30p-1:00p	Business Meeting & Awards		
1:00p – 1:30p	George Soares Lobbyist of Record Kahn, Soares, Conway	PCAs: The Story of Us, Continued	Regulatory and Legislative Update on current items that affect the PCA license or work capacity surrounding pest management including the Regulatory Update on School Buffer Zones, Chlorpyrifos, Pyrethroids and Neonicotinoids. This update will provide all CDPR licensees reminders on changing regulatory and legislative items that may affect their professional role and pest management strategies.
1:30p – 2:00p	Ken Melban Avocados Commission	State of Avocado Industry	State of the Avocado Industry, including how pest control advisers play a key role in the success of the industry through Integrated Pest Management. Highlighting the following: Shothole borers, Mites, Thrips, Anthracnose and Fusarium Dieback
2:00p – 2:30p	Kimberly Brown 661-391-3777 Wonderful Orchards	Water Systems and Sources	<i>Discussion on Water and the safe and judicious use of pesticides via water systems and naturally occurring constituents in various water supplies. Proper way to introduce pesticides in a water system will be discussed, such as tank mixes and use of PPE. Discussing the difference in how irrigation systems deliver the pesticides to the right area of the crop that is in need. For example: Furrow and sprinkler are not closed systems they are above ground and are subject to drift whereas chemigation or drip is through a series of plastic tubing for the most part, chemigation typically is water with pesticides or nutrients that are placed at the growing tips/roots of the plant. Review of water sampling techniques, how water quality affects the different</i>

			<i>crops, what impacts water quantity and quality can have on the health of the crop, how crops utilize water. Will also describe how the California Water system works and the salinity effects of the water and a pesticide when they are combined.</i>
2:30p – 3:00p	Ms. Diana Verity US Customs & Border Patrol - Los Angeles	K-9: Pest Enforcement Program	The US border protection program is exceptional. This presentation will demonstrate how animal resources enhance agents and first responder's ability to discover, identify and control invasive species during ports of entry inspections.
3:00p – 3:30p	Paula Rivadeneira University of Arizona	Managing Wild Birds in Fresh Produce Fields (FSMA)	Wild birds are an ongoing issue for fresh produce growers. They cause hundreds of acres of crop loss every season due to direct destruction of crops and fecal contamination that may result in the presence of foodborne pathogens. Growers have tried countless methods for keeping birds away from their fields, none of these methods are 100 percent effective. Recently, in an attempt to be more sustainable and environmentally friendly, growers have shown an increased interest in natural deterrents, such as falconry. Research is currently underway to assess the efficacy of this ageold hobby that may be the latest and greatest bird deterrent in the world of fresh produce food safety.
3:30p-5:30p	Exhibitor Presentations	Conventional Pest Management Demonstration Manned Exhibits	Exhibitor presentations will include 130 presenters of IPM, pesticide and nontraditional pest management opportunities; pest control products, practices and application techniques & requirements will be demonstrated.

TUESDAY BREAK OUT SESSION 1-of 2

TIME	SPEAKER	TOPIC/Title	PRESENTATION SUMMARY
6:00a-7:30a	Breakfast		
7:30a-8:18a	Eric Troxel Riverside School District	Riverside Unified School District IPM Program DPR Award Winner	Speaker will review DPR Healthy Schools Act and give an overview of the district-wide IPM program that received a DPR Innovator Award in 2016
8:18a-9:06a	John Roncoroni Wee Science Advisor UCCE Napa County	Weeds in California – The Right Way to Spray	Factors affecting herbicide performance through application methods, timing and resistance issues. Essentially the right way to spray and the wrong way to spray with lots of photo examples with explanation of what went right and what went wrong. Additionally, several methods of weed control will be discussed, including organic
9:06a – 9:21a	Break		
9:21a-10:09a	Mr. David Doll Pomology Farm Advisor UCCE Merced County	Trends and Challenges in Managing Insect Pests in Tree Nuts.	Trends and considerations in managing nut tree pests.” Summary: A brief overview of pesticide usage trends will be followed by information related to emerging and endemic insect pests affecting almonds. Insecticide usage and rotation will be discussed in relationship to other pest management and horticultural practices. New techniques in pest management will also be covered.”
10:09a-10:57a	Dr. Jacob Wenger Asst. Professor of Entomology CSU, Fresno	Managing Resistance With IPM: Beyond Rotations	Almond/tree pests. How IPM strategies reduce the total pesticide load. Incorporation of trap counting, degree day modeling to time sprays and ensure insecticide efficacy is maximized by applying at the correct time. Additional IPM strategies that contribute to the reduction of pesticide applications.
10:57a-11:45a	Dr. Jesse Richardson Corteva Agriscience	Practical Approaches to Preventing and Managing Pesticide Resistance	The presenter will discuss Classical & IRAC definitions of resistance. He will also cover the biological factors contributing to resistance including the following: number of generations, number of offspring. As well as operational factors contributing to resistance such as pesticide dose, thoroughness of application, number of applications and systemicity. Types of resistance management will be compared

			(pesticide mix vs. rotational contrasted) from case study findings. Additional points that will be covered are the education for resistance, IRAC, FRAC, HRAC efforts, and highest risk weeds, insects, & disease for resistance.
END OF BREAKOUT SESSION			
11:45a-12:00p	Chairman	Conference Summary & Questions	

TUESDAY BREAK OUT SESSION 2-of 2			
TIME	SPEAKER	TOPIC/Title	PRESENTATION SUMMARY
6:00a-7:30a	Breakfast		
7:30a-8:18a	John Kabashima Environmental Horticulture Advisor	Update on Status of Invasive Shothole Borers	Update on Shot Hole Borer: biology of pest, IPM, trapping, and control methods and strategies.
8:18a-9:06a	Mark Hoddle UC Riverside	The Wasting of California's Palms by South American Palm Weevil	South American Palm Weevil - Main Points: Invasion history, biology, and ecology. Identification of infested palms and review of symptomology Monitoring with pheromone traps and aerially with drones Pesticide-based management options Trap placements and techniques for optimization Biocontrol options Video summary of key points narrated with sound
9:06a – 9:21a	Break		
9:21a-10:09a	Patrick Brennan, Food Safety Sales Director, AGQ Labs	Pesticide Residue Analysis and Global MRL Compliance from an International Laboratory Perspective	Main Points: Mr. Brennan will discuss how the lab handles pesticide residue analysis and their efforts to maintain data on import tolerances for international market destinations. He will then review how the laboratory results will then be used to help producers maintain compliance with the tolerances for the specific markets to which they export.
10:09a-10:57a	Robert Budd, Sr. Environmental Scientist CDPR	DPR Surface Water Updates	Presentation will summarize DPR monitoring activities; trends in pyrethroid concentrations, and response to the surface water regulations and New Fipronil labels

10:57a-11:45a	Bill Nantt Caltrans Landscape Specialist	Caltrans Vegetation Management Strategies	Main Points: Integrated weed management using multiple strategies to manage weed populations in an economically and environmentally sound manner. Strategies include cultural, mechanical, chemical, and biological methods.
END OF BREAKOUT SESSION			
11:45a-12:00p	Chairmen	Conference Summary & Questions	