



2024 California Alfalfa & Forage Symposium

December 10-12, 2024 | Nugget Casino Resort | Sparks, NV

Main Session Program

**Program Subject to Change*

Time		Wednesday, December 11 Main Session	
7:30—6:00 pm		Registration Open	
7:30—9:00 am		Continental Breakfast	
7:30—7:30 pm		Exhibits/Posters/CA Alfalfa & Forage Research Foundation Auction Bid Sheets	
Session I		Economics, Forage, Dairy, Trade and Water Trends	
9:00—12:00 pm		<i>Moderator: Sarah Light, UC Cooperative Extension</i>	
9:00 am		Welcome <i>Michelle Leinfelder-Miles, UCCE & Nicholas Clark, UCCE</i>	
9:10 am		Status of Western Hay Markets <i>Josh Callen, The Hoyt Report</i>	
9:40 am		Hay Export Dynamics: A New World <i>Scot Courtright, Courtright Enterprises, Inc.</i>	
10:10 am		Break	
10:30 am		California Dairy Economic Update <i>Paul Sousa, Western United Dairies</i>	
11:00 am		Drought and Groundwater Regulation: Impacts for Irrigated Agriculture in California <i>Ellen Bruno, UC Berkeley</i>	
11:30 am		Understanding the Value of Alfalfa's Water Productivity and Flexibility <i>Dan Putnam, UC Davis</i>	
12:00 pm		Lunch	
CONCURRENT SESSIONS			
1:30—2:45 pm			
Session II		Session III	
Weed and Rodent Management		Grass/Alternative Forage Production	
<i>Moderator: Giuliano Galdi, UCANR</i>		<i>Moderator: Jackie Atim, UCANR</i>	
1:30 pm	Management of Voles: Is it Possible? <i>Roger Baldwin, UC Davis/UCANR</i>	1:30 pm	Optimizing Sorghum as a Versatile Forage Crop: Insights from a Multi-Year California Study <i>Tadeo Kaweesi, UCANR</i>
1:55 pm	The Impacts of Palmer Amaranth in CA Alfalfa Production <i>Jorge Angeles, UCCE Tulare, Kings and Fresno</i>	1:55 pm	Grasses and Grass Varieties for California Irrigated Pastures <i>Charlie Brummer, UC Davis</i>
2:20 pm	Changing Trends in NE California Alfalfa Weed Management <i>Rob Wilson, UCCE Siskiyou</i>	2:20 pm	Fertilizer and Irrigation Considerations for Low Desert Sudangrass Biomass Productivity and Nutritional Quality <i>Oli Bachie, UCANR</i>
2:45 pm	Break	2:45 pm	Break

Continued —>

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Main Session Program Continued

CONCURRENT SESSIONS

3:00—4:15 pm

<u>Session IV</u> <u>Pest Management</u> <i>Moderator: Jorge Angeles, UCANR</i>		<u>Session V</u> <u>Forages, Alternative Feedstuffs and Feeding California's Dairy Herd</u> <i>Moderator: Jennifer Heguy, UC Cooperative Extension</i>	
3:00 pm	Alfalfa Weevil Insecticide Resistance: A Challenge and Case Study for Insecticide Resistance in Field Crops <i>Ian Grettenberger, UC Davis/UCANR</i>	3:00 pm	Evaluating Effects of Deficit Irrigation Strategies on Forage Sorghum Yields and Nutrient Composition Grown in the San Joaquin Valley of California <i>Jackie Atim, UCANR</i>
3:25 pm	Update on Aphids in California Alfalfa <i>Michael Rethwisch, UCCE Riverside</i>	3:25 pm	Characterization and Usage of Forages on Western States Dairies <i>Ralph Ward, Cumberland Valley Analytical Services</i>
3:50 pm	Grasshopper: Ecology and Economics <i>Jordan Juzdowski, USDA</i>	3:50 pm	Improving the Value of Rice Straw <i>Josh Davy, UCCE Tehama, Colusa & Glenn Counties</i>
4:15 pm	Break	4:15 pm	Break

<u>Session VI</u> 4:30—5:30 pm	<u>What's New in the Industry - Lightning Talks</u> <i>Moderator: Tom Getts, UC Cooperative Extension</i>
5:30—7:30 pm	Benefit Auction Reception <i>Hors D'oeuvres, Cocktails, Exhibits, Posters, CA Alfalfa & Forage Research Foundation Auction</i>

Time **Thursday, December 12 | Main Session**

7:00—8:30 am	Continental Breakfast
7:00—10:30 am	Registration Open, Exhibits Open, Posters on Display

<u>Session VII</u> 8:30—10:00 am	<u>Nutrient Management</u> <i>Moderator: Nick Clark, UCCE</i>
8:30 am	Implications of Manure Treatment Technologies on Nutrient Composition <i>Deanne Meyer, UC Davis/UCANR</i>
8:50 am	Practical Applications of Nutrient Management in Alfalfa Production <i>Danyal Kasapligil, Dellavalle Laboratory Inc.</i>
9:10 am	Rotating Alfalfa with Corn and its Implications for Mitigating Nitrogen Leaching <i>Arshdeep Singh, California State University, Chico</i>
9:30 am	Discussion
10:00 am	Break

<u>Session VIII</u> 10:30—12:00 pm	<u>Soil Health and Climate-Smart Agriculture Practices</u> <i>Moderator: Michelle Leinfelder-Miles, UCCE</i>
10:30 am	Intercropping Alfalfa Into Young Tree Nut Orchards; Belowground Impacts of Alfalfa in Tree Rows and Middles <i>Lauren Hale, USDA-ARS</i>
10:50 am	Application of Compost to Alfalfa to Improve Soil Structure and Soil Nutrient Content <i>Radomir Schmidt, Institute of the Environment, UC Davis</i>
11:10 am	Evaluation of Almond Shell Mulch Application to Established Alfalfa Fields <i>Sarah Light, UC Cooperative Extension</i>
11:30 am	Discussion
12:00 pm	Adjourn Symposium