



# 2024 California Alfalfa & Forage Symposium

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

## Main Session Program

*\*Program Subject to Change*

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

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*Main Session Program Continued*

**CONCURRENT SESSIONS**

3:00—4:15 pm

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

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

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

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

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

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