

## Program

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# 2014 California Alfalfa, Forage, & Grains Symposium

Wednesday, December 10-Friday, December 12  
Long Beach, California

***Sponsored by:***

UC Cooperative Extension, Agriculture and Natural Resources  
Dept. of Plant Sciences, UC Davis

## Wednesday, December 10

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**11:30-5:30 LONG BEACH EXPORT TOUR:** Tour Export facilities for hay and grain destined for ports around the world—talks by exporters on quality demands. See hay compression, grain handling technology. **(includes lunch, separate registration)**

**8:00-5:00 Exhibitor Setup**

**3:00-6:00 Registration**

**5:30-6:45 Symposium Welcome Reception:** Meet and greet with speakers, exhibitors, sponsors, and attendees at the kickoff reception. Refreshments and no-host bar.

## Thursday, December 11

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**6:00-8:00 a.m. Registration**

***Main Session—Economics and Industry Trends***

*Moderator: TBA*

8:00 Introduction and Welcome

8:10 Hay Market Situation in Western States - Seth Hoyt, The Hoyt Report, Ione CA  
***Sponsored by California Alfalfa & Forage Association***

8:35 Dairy Trends, Issues and Impacts of Feed Prices - Michael Marsh, Western United Dairymen, Modesto, CA

9:00 World Supply and Demand for Forages – Daniel Sumner, Director, UC Agricultural Issues Center, University of California, Davis, CA

9:25 Dynamics of the Hay Export Industry - John Szczepanski, Forage Export Council, Portland, OR

9:50 Discussion

10:00 ***BREAK***

***Main Session-Genetic Innovations in Grains and Forages***

*Moderator: TBA*

10:30 a.m. Small Grain Breeding Advances in a World Context—Jorge Dubcovsky, Wheat Breeder, University of California, Davis, CA

10:55 a.m. Genetic Advances in Alfalfa and Grasses – Are We Making Progress? –Charlie Brummer, Director, Plant Breeding Center, University of California, Davis, CA

11:20 a.m. New Genetic Possibilities with Alfalfa - Mark McCaslin, Forage Genetics International, Minneapolis, MN

11:45 a.m. GMOs and the Importance of Coexistence in Alfalfa for the Future – Dan Putnam, Cooperative Extension Specialist, University of California, Davis, CA

12:00 p.m. Discussion

***12:10 Banquet Luncheon - ticket required***

***Breakout Session I. Alfalfa Pest Management and Production***

*Moderator: TBD*

1:30 Weed Management in Alfalfa: Where We've Been and Where We're Going – Barry Tickes, University of Arizona, Mesa, AZ and Steve Orloff, UCCE Advisor, Yreka, CA

1:50 New Weed Control Tools for Established and Seedling Alfalfa - Mick Canevari, UCCE Emeritus, Stockton, CA

2:10 Blue Alfalfa Aphid Management Strategies – Vonny Barlow, UCCE Advisor, Blythe, CA, and Eric Natwick, UCCE Advisor, Holtville, CA

2:30 How We've Handled the Blue Alfalfa Aphid Issue – Discussion Panel with PCAs (TBA)

**2:50 Discussion**

**3:00 BREAK**

3:30 Alfalfa-Small Grain Rotational Benefits; It's Worth More Than You Think Eric Lin, University of California, Davis, CA

3:50 Testing Alfalfa for Nutrient Management - Aaron Quist, Stanworth Crop Consultants, Blythe, CA

4:10 Fungicide Use in Alfalfa – Don Miller, Alforex Seeds, Nampa, ID, Rachael Long, UCCE Advisor, Woodland, CA

4:30 Stem Nematode Control Strategies - Becky Westerdahl, UCCE Specialist, University of California, Davis, CA

**4:50 Discussion**

5:00 Adjourn

***Breakout Session II. Pest and Crop Management in Small Grains, Silage and Sorghum***

*Moderators: Oli Bacchi, Mark Lundy*

1:30 Comparing Sorghum and Corn with Regards to Agronomic Practices, Pests and Quality - Ricky Rice, Winfield Solutions, Lubbock, TX

1:50 Seed Treatments for Wireworm Control in Field Corn - Michelle Leinfelder Miles, UCCE Delta Region, Stockton, CA

2:10 Water Use and Variety Selection in Sorghum - Jeff Dahlberg, CE Specialist, Kearney Agricultural Center, Parlier, CA, and Bob Hutmacher, CE Specialist, West Side Research Extension Center, Five Points, CA

2:30 Precision Irrigation & Conservation Tillage: A Plan for Improving Forage Production Systems - Jeff Mitchell, CE Specialist, Kearney Agricultural Center, Parlier, CA

**2:50 Discussion**

**3:00 BREAK**

3:30 Herbicide Options for Small Grains - Steve Wright, CE Farm Advisor, Tulare, CA

3:50 Requirements for Manure and Nutrient Management on Dairies - Deanne Meyer, UC Specialist, University of California, Davis, CA

4:10 Management of Nitrogen and Manure in Corn and Small Grain Forages - Marsha Campbell Mathews, UCCE Farm Advisor, Modesto, CA

4:30 In-Field Plant and Soil Monitoring as a Tool for N Management in Small Grains - Mark Lundy, UCCE Farm Advisor, Colusa, CA

**4:50 Discussion**

**5:00-6:30 Exhibitors' Reception** Visit exhibits and learn about new products.

Refreshments and no-host bar.

**5:15 AUCTION:** California Alfalfa & Forage Association auction to benefit California's voluntary grower representative group.

## **Friday, December 12**

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### ***Main Session-Water, Drought, Quality and Pesticides***

*Moderator: TBD*

8:00 Realities of Chlorpyrifos and Key Pesticide Issues with Water Quality Alfalfa – Pete Goodell, UCCE IPM Advisor, Kearney Research Extension Center, Parlier, CA

8:25 Coming Realities for Groundwater Management - Thomas Harter, CE Specialist, University of California, Davis, CA

8:50 Deficit Irrigation of Alfalfa and Grasses-What are the Impacts/Options? – Steve Orloff, UCCE Farm Advisor, Yreka, CA

9:15 What is the Ability of Alfalfa to Sustain Saline Conditions? - Sharon Benes, California State University, Fresno, CA

9:40 Discussion

### **9:50 BREAK**

10:20 Forage Quality – What are the Unique Features of Alfalfa in a Ration? – Peter Robinson, UCCE Specialist, University of California, Davis, CA

10:45 Future Forage Quality Analysis Systems for California – Dan Putnam, UCCE Specialist, Dept. of Plant Sciences, University of California, Davis, CA

11:10 Technologies for Automation in Surface Irrigation - Khaled Bali, UCCE Farm Advisor, El Centro, CA

11:30 Detection Techniques for Timely Cutoff in Surface Irrigation - Shrini Upadyay, Professor, University of California, Davis, CA

11:50 Advantages and Constraints of Soil Moisture Monitoring for Resource-Efficient Irrigation Management of Alfalfa - Steve Orloff, UCCE Farm Advisor, Yreka, CA and Daniele Zaccaria

12:10 Discussion

### **12:15 pm Lunch (sponsored by Netafim), ticket required**

**1:00- 3:00 Workshop:** Subsurface Drip Irrigation in Alfalfa

- Fundamentals of the technology
- Irrigation design attributes
- Irrigation management and scheduling with drip irrigation
- Economics of Drip
- Gopher/rodent management in alfalfa
- Grower Experience – how has it worked in practice?

**Division of Agriculture and Natural Resources, University of California**

Webmaster Email: [anrprogramsupport@ucanr.edu](mailto:anrprogramsupport@ucanr.edu)