



**University of California**  
Agriculture and Natural Resources



## **Alfalfa IPM and Crop Pollinator Workshop**

October 22, 2015, 8:00-Noon

UCCE Norton Hall, 70 Cottonwood Street, Woodland, CA

3 CE hours applied for (including 1.5 laws and regs)

This workshop will cover regulatory issues of chlorpyrifos use in alfalfa production followed by information on managing native and honey bees for enhanced crop pollination. No pre-registration is needed. For more information, contact Rachael Long, 530-666-8143 or [rflong@ucanr.edu](mailto:rflong@ucanr.edu).

- 8:00 Coffee, snacks
- 8:10 Welcome and introductions, Overview of pests in alfalfa hay production, *Rachael Long, UCCE Farm Advisor, Yolo County*
- 8:30 Alfalfa project overview addressing critical chlorpyrifos use, *Lori Berger, UC Statewide IPM Program, UC Kearney Research and Education Center, Parlier*
- 9:00 Science behind new chlorpyrifos regulations, *Randy Segawa and Doug Downie, California Department of Pesticide Regulation, Sacramento*
- 9:15 Developing conservation plans for chlorpyrifos mitigation, *Dennis Chessman, NRCS Agronomist*
- 9:30 Local restrictions on chlorpyrifos use, *Jenni King, Yolo County Deputy Ag Commissioner*
- 9:45 Discussion on the chlorpyrifos issue and survey, *Lori Berger*
- 10:00 Break
- 10:15 Multiple stresses impact honey bees, *Dr. Elina Niño, CE Apiculturist, Department of Entomology and Nematology, UC Davis*
- 10:40 Staying on target: How to manage pesticide use while building conservation biology into working landscapes, *Jessa Kay Cruz, Xerces Society*
- 11:10 The importance of native bees in almond pollination, *Ola Lundin, Post Doc, Department of Entomology and Nematology, UC Davis*
- 11:35 Establishing habitat for native bees, *Kimiora Ward, Staff Research Associate, Department of Entomology and Nematology, UC Davis*
- 12:00 Adjourn

# WESTERN ALFALFA & FORAGE SYMPOSIUM

## *Producing Forages in a Water Challenged World*

DECEMBER 2-4, 2015

SILVER LEGACY RESORT CASINO, RENO, NV

[calhay.org/symposium/](http://calhay.org/symposium/)

**Reduced Rate Early Bird Registration Through Sept. 15!!**

**EXHIBITOR & SPONSORSHIP OPPORTUNITIES ARE AVAILABLE**

Now in its 45th year, the Symposium is a comprehensive and educational program for anyone with an interest in important issues related to alfalfa and forages.

### **Day One—Dec. 2 (8am-5pm)**

#### • **Irrigation Management Workshop**

Detailed alfalfa irrigation management training for practitioners. The program will include an overview of water management and why it's important; principles of soil-water relations; practical steps to management of irrigation using different tools including ET measurements; soil moisture data; other types of data; management of sprinkler, flood and drip irrigation; and irrigating alfalfa during drought periods.

#### • **Welcome Reception with Exhibitors**

### **Day Two—Dec. 3 (8am-5pm)**

#### • **Symposium Session**

- **Economics & Marketing:** Including presentations on Alfalfa Hay Market Trends; Dairy Trends As They Affect Hay and Feed Prices; Dairy and Hay Exports
- **Water and Irrigation:** Including presentations on Food Production in a Water Stressed World; Realities of Groundwater Extraction and Management; Impacts of Climate Change on Surface Water Supplies

#### • **Symposium Banquet Lunch with Speaker**

#### • **Symposium Breakout Sessions**

- **Pest Management:** Including presentations on Weed Management in Grasses; Recent Developments in Alfalfa Weed Control; Poisonous Weeds; Management of Pocket Gophers and Voles; Aphid Control in Alfalfa; IPM Approaches for Alfalfa; Clover Root Curculio and Alfalfa Stem Nematode; Strategies for Managing Foliar and Root Rot Diseases in Alfalfa
- **Alternative Forage Crops:** Including presentations on Soybeans, an Alternative Hay Crop to Reduce Nitrogen and Harvest Costs; Cover Crops for Soil Health and Grazing; Annual Forages, A Tool in Managing Limited Water Resources; Sorghum, Sorghum Sudangrass as Alternatives; Teff Grass; Nitrogen Management in Timothy; Alfalfa Rotational Benefits.

#### • **Exhibitor Reception and CAFA Auction**

### **Day Three—Dec. 4 (8am-Noon)**

#### • **Symposium Session**

- **Forage Quality and Utilization:** Including presentations on Producing High Quality Hay for Horses; Forage Quality and Utilization, Total Track Digestibility; Forage Quality, How Much Does it Pay?; Sampling Protocols for Double Compressed Hay and Detection of a GMO Trait
- **Hay Harvesting/Hay Management:** Including presentations on Costs of Owning/Operating Harvest Equipment; Influence of Harvesting Techniques on Quality and Yield; Relative Humidity Measurements and Harvesting; Hay Preservation/Storage Losses

**FOR A COMPLETE SCHEDULE OF EVENTS, EXHIBITOR/SPONSORSHIP INFORMATION,  
AND SYMPOSIUM REGISTRATION, VISIT OUR WEBSITE [calhay.org/symposium/](http://calhay.org/symposium/)**

**Hosted by the California Alfalfa & Forage Association**

**Contact us at (916)441-0635 or [jane@agamsi.com](mailto:jane@agamsi.com)**