

2010 California Alfalfa & Forage Symposium
November 30 – December 1-2, 2010
Visalia Convention Center
Visalia, CA

Corn/Cereal Silage Mini-Symposium
Alfalfa IPM Intensive Pre-Symposium Workshop

Description: This is a comprehensive conference which features 42 speakers on important innovations for forages in California, industry meetings, and extensive industry exhibits. The California Alfalfa Symposium, now in its 40th year, will this year focus on innovations in corn and cereal silage which have become very important in the southern San Joaquin Valley. An Integrated Pest Management Workshop will be held at the Kearney Ag. Center (30 miles from Visalia) on November 30, and the full symposium at the Visalia Convention Center December 1-2.

LOCATIONS:

November 30 IPM Workshop: Kearney Ag. Center, 9240 S. Riverbend Ave., Parlier, CA 93648

December 1 & 2 Conference: Visalia Convention Center, 303 East Acequia Avenue, Visalia, CA

Program:

Tuesday, November 30

Alfalfa IPM Intensive Workshop: Managing Pests while Protecting the Environment

Pete Goodell, UC IPM Program, Workshop Chair

Description: This is an intensive, one-day training in Integrated pest Management for alfalfa, including IPM principles, pest biology, specific strategies and techniques, diagnostic skills, and an emphasis on protection of air and water quality. Come ready to lean and put your thinking caps on.

Instructors: Terry Prichard, Steve Orloff, Kurt Humbree, Mick Canevari, Dan Putnam, Carol Frate, Don Miller, Larry Godfrey, Vonny Barlow

REGISTER EARLY FOR THIS WORKSHOP - Space is very limited!

IPM Workshop Program (Kearney Ag. Center)

8:30 a.m. Registration, Refreshments & Informal Discussion

9:30 Introduction, Pre-test

9:45 Principles, Tools for IPM

10:00 Pesticide Properties and Impacts for Protecting Air & Water Quality

10:20 Mitigation Measures to Protect Air and Water Quality

10:40 Discussion

10:40 Strategies for Economically Viable Weed Management

11:50 Discussion

12:00 p.m. Lunch & Field Tour - Weed Plots, Insect Plots, Disease Plots, Alfalfa Varieties

2:00 Strategies for Economically Viable Insect Management

3:00 Diseases and Nematode Diagnostics and Management

3:45 Case Studies - Challenge Yourself to Solve Real Life Problems

4:45 Tying it all Together: IPM and Conservation Planning

5:15 Evaluations/Post-Test

5:30 Adjourn

3:00 - 8:00 Exhibitor Set Up

6:00 - 8:00 Registration Open (at Visalia Convention Center)

Wednesday, December 1

California Alfalfa Symposium and Corn/Cereal Silage Mini-Symposium

6:30 - 8:00 a.m. Registration

7:00 a.m. Exhibits Open

8:00 a.m. **Welcome and Introductions**

Dairy Issues and Trends

8:05 **Alfalfa Market Production and Price Trends** - *Seth Hoyt, The Hoyt Report, Ione, CA*

8:30 **Dairy Conditions and Trends** - *Eric Erba, California Dairies, Inc, Visalia, CA*

8:55 **Global Economic Trends: Forage, Feeds and Milk** - *Leslie (Bees) Butler, Department of Agricultural and Resource Economics, University of California, Davis, CA*

9:20 **Impacts of Dairies and Silages on Air Quality** - *Frank Mitloehner, Department of Animal Science, University of California, Davis, CA*

9:45 **Discussion**

10:00 **BREAK**

Environmental Issues and Trends

10:30 **Understanding the Biology of Silage Preservation to Maximize Quality and Protect the Environment** – *Limin Kung, Jr., University of Delaware, Newark, DE*

10:50 **Why We Need to Prevent Off-site Movement of Pesticides in Alfalfa and Corn** - *Terry Prichard, Department of Land, Air, Water Resources, University of California, Davis, CA*

11:10 **Importance of Alfalfa and Forages for Wildlife Habitat** - *Alex Hartman, Audubon California, Sacramento, CA*

11:30 **An Environmental Balance Sheet for the Dairy-Forage System** - *Dan Putnam, Department of Plant Sciences, University of California, Davis, CA*

11:50 **Discussion**

12:00 NOON **BANQUET LUNCH**

Breakout Session I. Corn and Small Grain Silage and Forage Crops

1:30 **Overview of Corn and Grain Forages in US and California** - *Jennifer Heguy, UC Cooperative Extension, Modesto, CA*

1:50 **Anaerobic Stability of Silage** - *Limin Kung, Jr., University of Delaware, Newark, DE*

2:10 **Best Management Practices for Corn Silage** - *Noelia Silva-del Rio, UC Cooperative Extension, Tulare, CA*

2:30 **Impacts and Prevention of Mycotoxins in Silage** - *John Doerr, Agrarian Marketing, Inc., Middlebury, IN*

2:50 **Discussion**

3:00 **BREAK**

3:30 **Safety of Silage Operations** - *Keith Bolsen, Professor Emeritus, Kansas State University, Manhattan, KS*

3:50 **Tips for Growing, Harvesting, and Feeding High Quality Cereal Silage** - *Gene Aksland, Syngenta Seeds, Visalia, CA*

4:10 **Silage Quality: How is it Defined and Measured?**- *Karl Nestor, Senior Nutritionist, Dow Agrosciences, Wooster, OH*

4:30 **Making Silage in Custom Operations: Trials and Tribulations** - *Carol Collar, UC Cooperative Extension, Hanford, CA*

5:00 **Adjourn**

5:00 - 6:30 - **Exhibitors' Reception**

Breakout Session II. Producing Quality Alfalfa: Alfalfa Quality/Irrigation/Soils/Pest Management

1:30 **Developing an IPM Program for Controlling Gophers in Alfalfa** – *Roger Baldwin, UC IPM Program, Kearney Agricultural Center, Parlier, CA.*

1:50 **Controlling Grasses and other Summer Annual Weeds in Established Alfalfa** - *Barry Tickes, University of Arizona, Yuma, AZ*

2:10 **Stem Nematode Problems – What are the Solutions?** - *Rachael Long, University of California Cooperative Extension, Woodland, CA*

2:30 **Alfalfa Nutrient Requirements, Deficiency Symptoms, and Fertilizer Application** - *Mike Ottman, University of Arizona, Tucson, AZ*

3:00 **BREAK**

3:30 **Improving Flood Irrigation Management in Alfalfa** - *Khaled Bali, University of California Cooperative Extension, El Centro, CA*

3:50 **Economic Value of Variety Selection** - *Andre Biscaro, University of California Cooperative Extension, Lancaster, CA*

4:10 **Adjusting Cutting Schedules for Economic Conditions** - *Steve Orloff, University of California Cooperative Extension, Yreka, CA*

4:30 **Forage Quality Testing, Past, Present and Future** - *Dan Putnam, Department of Plant Sciences, University of California, Davis, CA*

5:00 **Adjourn**

5:00 - 6:30 - **Exhibitors' Reception**

Thursday, December 2

6:15 - 7:00 a.m. **California Alfalfa & Forage Association (CAFA) Breakfast** (see CAFA booth for tickets)

Genetic Innovations in Corn and Alfalfa

8:05 **Current and Future Genetic Innovations for Corn Silage** - *Dennis Craig, Mycogen Seeds Co., Fresno, CA*

8:30 **Adapting Alfalfa Varieties to a Water-challenged Future** - *Ian Ray, New Mexico State University, Las Cruces, NM*

8:55 **Genetic Innovations for Alfalfa in the Near and Long-Term Future** - *Mark McCaslin, President, Forage Genetics Int'l., Minneapolis, MN*

9:20 **The Necessity for Respecting Diverse Systems with the Advent of GMOs** - *Allen Van Deynze, Seed Biotechnology Center, University of California, Davis, CA*

9:45 **Discussion**

10:00 **BREAK**

Forage Production, Water, and Economics

10:30 **Optimizing Different Hay Types for Horses: What Have we Learned?** - *Anne Rodiek, California State University, Fresno, CA*

10:55 **Assessing Nitrogen Uptake of Corn, Winter Forages and Alfalfa** - *Marsha Campbell Mathews, UC Cooperative Extension, Modesto, CA*

11:20 **Key Water Issues Affecting Alfalfa, Forage Crops and the Dairy Industry** - *Danny Merkely, California Farm Bureau Federation, Sacramento, CA*

11:45 **What is the Future of Alfalfa in a World of High Costs, High-value Crops and Globalization?** - *Steve Blank, Department of Agricultural and Resource Economics, University*

of California, Davis, CA

12:05 **Discussion**

12:20 p.m. **ADJOURN**

MANY THANKS to our Sponsors and Exhibitors for generously supporting this educational conference.