



Pest Control Notes



Yolo-Solano-Sacramento Counties

70 Cottonwood Street, Woodland, CA 95695 Phone: (530) 666-8143 Fax: (530) 666-8736

Alfalfa Update

2003 California Alfalfa & Forage Symposium:

December 17-19, 2003, Monterey, CA

(See <http://alfalfa.ucdavis.edu> and the following pages for more details)

For alfalfa variety information, take a look at the statewide UC variety trials at

<http://alfalfa.ucdavis.edu/> (UC Davis agronomy website). Or, contact our office for a copy of the 2002 UC alfalfa variety trial results.

The new 2003 Alfalfa Cost of Production study for the Sacramento Valley is now on the web at

<http://coststudies.ucdavis.edu/> (UC Davis Economics Dept. website). Or, contact our office for a copy.

Alfalfa butterflies: This was one of the worst outbreak years for these pests that I've seen. No one really knows why, but some speculate the cool spring negatively affected the beneficial insect wasps that feed on these caterpillars (wasps prefer warmer temperatures). The yellow butterflies are always males, but the females can be either white or yellow. Alfalfa caterpillar larvae overwinter in vetch, then adults move into alfalfa when the vetch dries down in the spring.

Cotton Update

Cotton production information in California (including meeting announcements) can be found at the University of California website at <http://cottoninfo.ucdavis.edu>

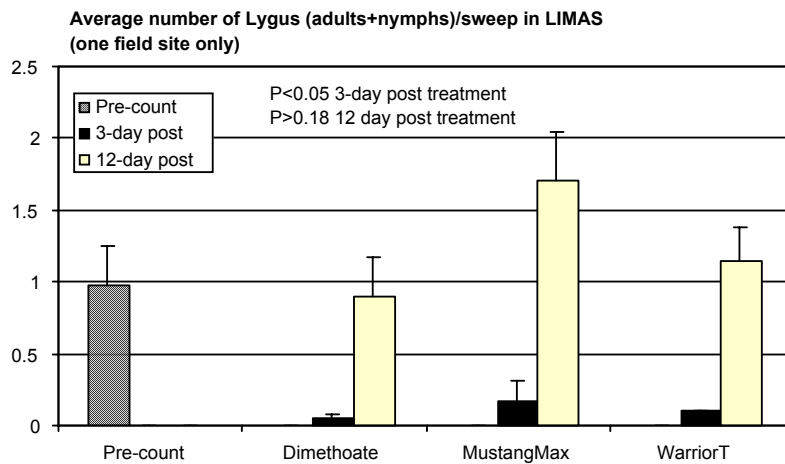
Water Quality Update

If you discharge irrigation or stormwater from your irrigated farmlands, by law you must obtain a waiver from the State Water Resources Control Board (SWRCB). If you do not obtain a waiver and discharge water from your farmlands you will be subject to fines from the SWRCB. A waiver may be obtained through joining a Watershed Group (contact your local Farm Bureau Office or Resource Conservation District) or you can submit your own request as an Individual Discharger. Both the Watershed Groups and Individual Dischargers must file a Notice of Intent with the SWRCB by November 1, 2003, to discharge under the conditions of a waiver. There is some discussion that the SWRCB may offer a "low threat" waiver next year for those farms that have crops with potentially low impacts on water quality (such as wheat, safflower, and organic production). Forms for ag waivers are online at: http://www.swrcb.ca.gov/rwqcb5/adopted_orders/index.html#Lands

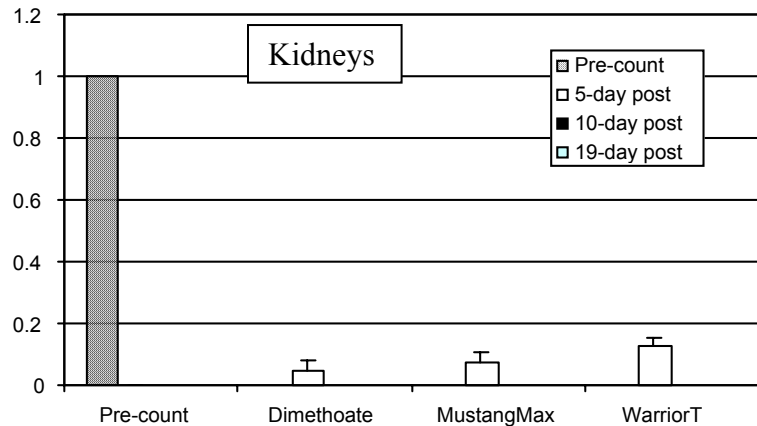
Dry Bean Update

Last summer we conducted several *Lygus* control trials in kidneys and limas with WarriorT and MustangMax, in the Woodland area. These materials are NOT yet registered for pest control in dry beans, but should be by early 2004. Both materials provided good control of *Lygus* compared with the standard Dimethoate treatments. In limas, WarriorT provided excellent control of black bean aphids that were present in the field whereas MustangMax did not. WarriorT has some mite suppressive activity, but may or may not prevent outbreaks. Last I checked in one of our lima field plots the mites were building up where WarriorT was applied, but the field will likely be cut before economic injury occurs.

MustangMax tended to flare mites in limas, but not in our kidney trials. In preliminary water quality studies, MustangMax and WarriorT treated plots were clean in tailwater water samples (pyrethroids are non-soluble in water). Some Dimethoate was found in tailwater samples (OP's tend to be water soluble) but the levels were below the mortality levels for aquatic test species. The following graph describes the results of the insect data; insecticides were applied at labeled rates:



Adjacent graph: average number of Lygus (adults+nymphs)/sweep in KIDNEYS for 2 fields: Field #1 had <0.1 Lygus per sweep 5-days post treatment; Field #2 had '0' Lygus 10 and 19 days post treatment (no Lygus migrated in from surrounding fields).



2003 CALIFORNIA ALFALFA & FORAGE SYMPOSIUM, DECEMBER 17-19, 2003, MONTEREY, CA

Wednesday, December 17 - 10:30 - 6:00: Pre-Symposium Tour

Tour of the Monterey Region- Visit several important agricultural and historical sites of the Salinas Valley and Monterey Peninsula. Likely sites: vegetable production and processing operations, a mushroom farm, artichoke production and John Steinbeck History Museum. **Pre-registration is required!** \$45 pre-registration includes lunch, transportation, snacks and entrance to all sites.

Thursday, December 18: Alfalfa & Forage Symposium Day I (4.5 PCA credits and CCA credits)

6:30 - 10:00 AM: Registration in the De Anza Foyer

- 8:00 Welcome and UCCE Overview – *S. Varea Hammond, UCCE Monterey County*
- 8:10 Dairy Industry Update – *J. Tillison, Alliance of Western Milk Producers*
- 8:35 Alfalfa Industry Prices and Trends – *S. Hoyt, California Department of Food and Agriculture*
- 9:00 Evolving Approaches to Regulation of Farm Discharges in the Central Valley- *K. Briggs, Regional Water Quality Control Board*
- 9:25 Mitigating Water Quality Concerns: How the Alfalfa Industry Might Respond – *D. Putnam, Alfalfa and Forage Specialist, UCD*
- 10:30 California's Emerging Water Market: Policies and Potentials – *L. Fryer, Kern County Water Agency*
- 10:50 Controlled Deficit Irrigation of Alfalfa: Opportunities and Pitfalls – *S. Orloff, UCCE Siskiyou County*
- 11:10 Soil Moisture Monitoring in Alfalfa: Does it Pay? - *Blake Sanden, UCCE Kern County*
- 11:30 Improving Irrigation Efficiency in Check Flood Irrigation Systems - *Larry Schwankl, Irrigation Specialist, UC Davis*

12:00 BANQUET LUNCH - De Anza Ballroom – (CAFA Update - brief presentation)

BREAKOUT SESSION I- Pest Management

- 1:30 New Control Measures for Meadow Voles and Pocket Gophers - *Terry Salmon, UCCE San Diego County*
- 1:50 Progress in Roundup Ready Alfalfa - *Ron Vargas, UCCE Madera County; Steve Orloff, UCCE Siskiyou County*
- 2:10 Groundsel Strategies and Control of Nutsedge: Two Growing Problems - *Mick Canevari, UCCE San Joaquin County*
- 2:30 Poisonous Plants and Effects on Animals - *Birgit Puschner, Veterinary Toxicologist, UC Davis*
- 3:30 Alfalfa Diseases and Stem Nematodes: What are the Effects of Equipment and Varieties? - *Don Miller, ABI Research*

- 3:50 Weevil Research: New Chemistries and Old Predators - *Richard Lewis, Entomologist, UC Davis*
 4:10 Sheep Grazing for Egyptian Alfalfa Weevil Control in the Low Desert - *Eric Natwick and Juan Guerrero, UCCE Imperial County*
 4:30 Stump the Experts: Bring Your Questions for Those Nagging Pest Problems - *Panel of Speakers*

BREAKOUT SESSION II - Corn and Other Forages

- 1:30 No Till/Minimum Till Corn and Forage Crops – *J. Mitchell, Tillage Specialist, Kearney Ag Center and C. Frate, UCCE Tulare County*
 1:50 Biology and Management of the Corn Leafhopper and Corn Stunt Disease– *C. Summers, Entomologist, Kearney Ag. Center*
 2:10 Overview of Corn Weed Control - *Kent Brittan, UCCE Yolo County*
 2:30 Brown Midrib Forage Sorghum, Sudangrass and Corn: What is the Potential? - *Fred Miller, Professor Emeritus, Texas A & M Univ.*
 3:30 Using Winter Forages for Dairy Nitrogen Management - *Marsha Campbell-Mathews, UCCE Stanislaus County*
 3:50 Stripe Rust of Forage Wheat and Other Diseases of Cereal Forages - *Lee Jackson, Cereals Specialist, UC Davis*
 4:10 Agronomic Conditions that Contribute to Brown-leaf in Sudangrass in the Low Desert - *Herman Meister, UCCE Imperial County*
 4:30 Understanding Nutritive Value: Alternative Forages - *Richard Zinn, UC Desert Research & Extension Center*

5:00 - 6:30: VISIT EXHIBITORS AND ENTER DRAWINGS TO WIN PRIZES (Serra II, Monterey Conference Center)

Friday, December 19: Alfalfa & Forage Symposium Day II (2.0 PCA credits and CCA credits)

6:30 - 8:00 AM California Alfalfa & Forage Association Breakfast

7:00 - 10:00 AM Registration

- 8:00 Announcements
 8:10 Alfalfa Web Resources Overview: Access & Links - *Jerry Schmierer, UCCE Colusa County*
 8:30 Methods to Choose Alfalfa Varieties Using Information Resources - *Grant Poole, UCCE Los Angeles County*
 8:50 Using Varieties or Cutting Schedules to Achieve High Quality Hay-What are Tradeoffs? – *D. Putnam, Alfalfa & Forage Specialist*
 9:10 Strip Cutting Alfalfa for Lygus Management: Forage Quality Implications - *Shannon Mueller, UCCE Fresno County*
 9:30 Overseeding and Management of Older Alfalfa Stands – *Rachael Long, UCCE Yolo County*
 10:30 Harvest Management - Moisture Issues, Big Bales/Small Bales – *Bob Prys, Alfalfa Grower, Fresno County*
 10:50 Using New Tools to Measure Alfalfa Hay Moisture in the Windrow - *Ron Thaemert, University Idaho Cooperative Extension*
 11:10 Certified Weed-Free Hay - *Nate Dechortetz, California Department of Food & Agriculture*
 11:30 Combating Rural Terrorism, Crime and Meth Labs: What the Agriculture Community Can Do - *Commander B. Pennal and Sergeant Hank Ramirez, U.S. Department of Justice, Fresno County Sheriff's Department, Fresno Methamphetamine Task Force*

12:20 BANQUET LUNCH (De Anza Ballroom) – (Grand Prize Drawing)

1:30 ADJOURN 2003 CALIFORNIA ALFALFA AND FORAGE SYMPOSIUM

2003 CALIFORNIA ALFALFA & FORAGE SYMPOSIUM REGISTRATION FORM

(Please fill out and send with check or money order in US \$. Sorry, we cannot process credit cards)

Registration (Please use one form per person)

	Cost	Total
Pre-Symposium Tour (includes lunch)	\$45	_____
Pre-Registration (before 12/01/03)	\$150	_____
<i>(includes proceedings, two banquet lunches, and admission for both days)</i>		
Late Registration and Walk-in Registration	\$180	_____
Single Day Registration (circle one: 12/18 12/19)	\$80	_____
Guest Lunch Ticket (Price listed is for one ticket) (circle one: 12/18 12/19 both)	\$27	_____
Additional Copy of Proceedings	\$12	_____
TOTAL ENCLOSED (make check payable to "UC Regents")		_____

Name: _____ Company/Ranch: _____

Address: _____ City, State, Zip: _____

Phone: _____ Fax: _____ Email: (for confirmation) _____

INSTRUCTIONS: Please mail form with a check made payable to "UC Regents" to: **NIKKI PICANCO, 2003 CALIFORNIA ALFALFA & FORAGE SYMPOSIUM, AGRONOMY & RANGE SCIENCE, ONE SHIELDS AVENUE, DAVIS, CA 95616-8515.**

Registrations will not be considered final until a check has been received. Packets will be available for pickup at the Conference (Will confirm to Email addresses only--no confirmation will be mailed). If you need further information, contact Nikki at (530) 752-0700 or ndpicanco@ucdavis.edu. Remember, the tour is on a first-come, first-served basis. Please register early to guarantee a spot if you plan to go on the tour.

HOTEL INFORMATION – Doubletree Hotel, Two Portola Plaza, Monterey, CA 93940

For reservations, call the hotel directly at (831) 649-4511 or toll free at 1-800-222-8733. Be sure to mention you are with the California Alfalfa & Forage Symposium to obtain the group rate of \$99 for Single/Double occupancy. This rate can be extended for reservations through December 21, 2003 for those who wish to stay through the weekend, based on availability. Guest parking is \$13 per day, Valet parking \$15 per day. Room reservations must be made prior to **November 16, 2003** for conference rate. Regular rates apply after November 16.

DIRECTIONS:

From the North, take Highway 1 to the “Pacific Grove-Del Monte Ave” exit onto Del Monte Blvd. Continue on Del Monte approximately 2 miles, stay in left lane. At the “Y” in the road stay left, following the “Downtown” sign. The hotel is one block ahead on your right. Turn right at the light onto Portola Plaza.

From the South, take Highway 1 to the “Munras Ave” exit onto Munras. Stay on Munras (the name changes to “Abrego” then “Washington”) until you see Del Monte Blvd. The hotel is located on the right at the second light. Turn right at the light onto Portola Plaza.

From the East, Take Highway 68 to “Central Monterey” fork onto Highway 1, go to the first Monterey exit. At the first signal turn onto Agualito Ave. At next light signal, turn left onto Del Monte Ave. Continue in the left-hand lane of Del Monte and at the “Y” in the road stay left, following the “Downtown” sign. The hotel is located one block ahead on your right. Turn right at the light onto Portola Plaza.

Rachael Long, Pest Management – Farm Advisor

The University of California prohibits discrimination against or harassment of any person employed by or seeking employment with the University on the basis of race, color, national origin, religion, sex, physical or mental disability, medical condition (cancer-related or genetic characteristics), ancestry, marital status, age, sexual orientation, citizenship, or status as a covered veteran (covered veterans are special disabled veterans, recently separated veterans, Vietnam era veterans, or any other veterans who served on active duty during a war or in a campaign or expedition for which a campaign badge has been authorized). University policy is intended to be consistent with the provisions of applicable State and Federal laws. Inquires regarding the University’s equal employment opportunity policies may be directed to the Affirmative Action/Staff Personnel Services Director, University of California, Agriculture and Natural Resources, 300 Lakeside Drive, 6th Floor, Oakland, CA 94612-3550, (510) 987-0096.

University of California
Yolo County Cooperative Extension
70 Cottonwood Street
Woodland, CA 95695

PRST STD
Postage and Fees Paid
USDA
Permit No. G-00268

Pest Control Notes



September 30, 2003