

**Contra Costa & Alameda Counties**  
**CROP CURRENTS**

From: Janet Caprile, Farm Advisor  
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**Office Hours: Mondays 1:30-4:30**

**JANUARY 2007**

- **WEATHER REPORT:** Winter chill and rainfall
- **LOCAL MEETINGS:**
  - Pesticide Safety Training In Spanish
  - Reducing Pesticides in Surface Water
  - NSJV Processing Tomato Production Meeting
  - Pruning Deciduous Fruit Trees
  - Lodi Grape Day
- **TREES:** Dormant Spray Considerations
- **TREES:** Peach leaf Curl
- **TREES & VINES:** Spring Frost
- **RESOURCES:** Publications
- **CALENDAR:** Classes/Meetings/Events

**WEATHER REPORT**

October and December have been a little drier than usual in Brentwood and we have only accumulated about  $\frac{3}{4}$  of our average rainfall for the Oct-Dec period. The east Alameda County stations have not been operating long enough to calculate a meaningful average but, as the chart to the right shows, they both got a little more rainfall in December than did Brentwood.

We are doing better with regard to winter chill than we have for the last 5 years! We'd like to see about 500 chill hours by the end of December in order for apricots, cherries, and apples to mature their buds and set a good crop with a compact bloom. So we are still a little short but good chilling weather is predicted for early January.

If you have internet access, you can update these records at your convenience through the Fruit and Nut Research and Information Center web site at

<http://fruitsandnuts.ucdavis.edu>. Just click on the "Weather Services" button.

**RAINFALL**

(inches)

MONTH	Brentwood		Pleasanton	Livermore
	2006	Aver.	2006	2006
January	2.7	3.0	2.7	2.7
February	1.6	2.9	1.7	1.4
Mar	3.4	1.6	7.2	4.9
April	2.6	0.7	3.2	2.8
May	1.5	0.6	0.4	0.3
June	0.0	0.2	0.0	0.0
July	0.0	0.0	0.0	0.0
August	0.0	0.0	0.0	0.0
September	0.0	0.3	0.0	0.0
October	0.1	0.7	0.1	0.1
November	1.5	1.2	1.6	1.5
December	1.5	2.1	2.9	2.3
<b>TOTAL</b>	<b>14.9</b>	<b>13.1</b>	<b>19.7</b>	<b>16.0</b>

**BRENTWOOD CHILL HOURS**

MONTH	2006-2007	2005-2006	2004-2005	2003-2004	2002-2003	2001-2002	2000-2001	1999-2000	1998-1999	1997-1998	1996-1997	AVG
November	90	87	127	113	125	74	281	101	123	41	128	148
December	440	287	420	324	368	240	631	451	589	422	376	492
January		439	809	584	589	596	1013	640	1007	652	691	807
February		622	887	728	759	777	1226	715	1209	756	821	903

## PESTICIDE SAFETY TRAINING IN SPANISH

All farmworkers are required to have a pesticide safety training before they begin work for the season.

*Pesticide Handlers* need this training every year before they apply any pesticides for the season. This includes anyone who applies, mixes, loads, flags, or otherwise handles pesticides. Don't forget about those employees who apply rodent bait/bombs/tablets, herbicides, organic pesticides as well as mechanics who service pesticide equipment.

*Fieldworkers* need to be trained on pesticide safety at least every 5 years. These are employees who work in areas where pesticides have been applied but do not handle pesticides themselves. However, any Fieldworker who needs to enter a treated field during the Re-Entry Interval (irrigators, for example), should be trained as a Pesticide Handler.

UC Cooperative Extension and the Contra Costa County Department of Agriculture are again offering FREE classes that meet these training requirements. All classes are in given Spanish.

### Classes will be held at:

Knightsen Farm Center  
Delta Rd & 2<sup>nd</sup> St  
Knightsen, CA

#### Classes for Pesticide Handlers

8:00 – 11:00 am

- Thursday, **February 15**
- Thursday, **March 22**

#### Classes for Fieldworkers

8:00 – 10:00 am

- Thursday, **April 19**
- Thursday, **June 15**

If your employee(s) cannot attend one of these classes, any certified commercial applicator (PCA, PCO, QAC, QAL) or private applicator may legally provide the training.

#### To Register:

Call UC Cooperative Extension at 925-646-6540 by the Monday before the class to let us know how many people from your operation will be attending. This assures that we can prepare sufficient materials for all attendees.

## REDUCING PESTICIDES IN SURFACE WATER

A workshop for growers who furrow or flood irrigate

January 17, 2007

1:00 - 3:30 pm

Contra Costa County Department of Agriculture  
3020 Second Street, Knightsen, CA

Surface Water Waiver Update

*John Meek, San Joaquin and Delta Water Quality Coalition.*

Sediment Toxicity and Pyrethroid Insecticide Stewardship  
*Parry Klassen Coalition for Urban/Rural Environmental Stewardship*

Management Practices to Reduce Pesticides in Runoff  
*Janet Caprile, U.C. Cooperative Extension Farm Advisor*

Overview of EQUIP Programs

*Joe Takai, Natural Resources Conservation Service*

Round Table Discussion

## NO. SAN JOAQUIN VALLEY PROCESS- ING TOMATO PRODUCTION MEETING

Wednesday, **January 24**, 2007

Doubletree Hotel, 1150 9<sup>th</sup> St., Modesto

**8am – 11 am**

*Sponsors:* UC Cooperative Extension in conjunction with the  
CA Tomato Growers Association Annual Meeting

#### **Blackmold Control**

*Brenna Aegerter, Farm Advisor, UCCE San Joaquin Co.*

#### **Powdery Mildew Control**

*Jan Mickler, Farm Advisor, UCCE Stanislaus Co.*

#### **Tomato Spotted Wilt Virus**

*Michelle Le Strange, Farm Advisor, UCCE Kings/Tulare Co.*

#### **Effects of Multiple Plants per Transplant Plug**

*Gene Miyao, Farm Advisor, Yolo/Solano/Sacramento Co.*

#### **Fusarium Diseases of Tomato**

*Mike Davis, Extension Plant Pathologist, UC Davis*

#### **Precision Weed Control for Processing Tomatoes**

*David Slaughter, Prof Ag Engineering, UC Davis*

#### **Genetic Resources for Tomato Improvement**

*Roger Chetelat, Tomato Genetics Resource Center, UC Davis*

#### **Progress Report on Sustainable Ag Workbook**

*Chuck Rivara, Director, CA Tomato Research Institute*

2 hour continuing education credit pending

## PRUNING DECIDUOUS FRUIT TREES

A workshop for Master Gardeners  
and new growers

**Lecture:** A 1 hour lecture in the morning will cover basic pruning concepts:

- why we prune
- the types of cuts
- positioning limbs
- vigor management
- pruning systems

One lecture will be held in Pleasant Hill and it will be repeated the following week in Knightsen. Lectures will be held rain or shine.

- **February 2**, 10-11 am  
UC Cooperative Extension Classroom  
75 Santa Barbara Rd, Pleasant Hill
- **February 9**, 10:30-11:30 am  
Diablo Valley Farm Center  
Delta Rd at 2<sup>nd</sup> St, Knightsen

**Demonstration and Practice Sessions:** If the weather allows, we will visit Brookside Farms (Brentwood) in the afternoon for a demonstration and practice session. Three afternoon practice sessions have been scheduled to allow for a rain cancellation. *Bring your own pruning tools:* hand pruners, loppers, saw, pole pruner (if you have one). Once you have attended a lecture you can attend any of the practice session listed below:

- **February 2**, 1-4 pm
- **February 9**, 1-4 pm
- **February 16**, 1-4 pm

**Registration:** Call 925-646-6540 to register. Space is limited for the practice sessions. The classes are free and open to all who wish to attend.

## 53<sup>rd</sup> ANNUAL LODI GRAPE DAY

Tuesday, **February 6**, 2007

Hutchins Street Square  
125 South Hutchins Street, Lodi

7:30 am      Registration  
8am – 12pm   Program (free)  
Noon          Lunch (tickets \$15)

*Sponsor:* UC Cooperative Extension

### AGENDA

#### **Set Enhancement Trial of Malbec in 2006**

*Paul S. Verdegaal, UC Farm Advisor, San Joaquin County*

#### **The Soil Resource in Lodi's Winegrape Region**

*Toby Ogeen, Soil Specialist Dept. of LAWR, UC Davis*

#### **Weed Control in Transition: Recent Lodi Research in Alternative Materials**

*Mick Canevari, San Joaquin County Farm Advisor and County Director*

#### **Vine Mealy Bug and Ants: Monitoring and Control**

*Monica Cooper, Staff Research Associate, UC IPM*

#### **Review of Extended Maturity Harvest, Irrigation Strategy and Crop Load in Syrah**

*Terry Prichard, Irrigation Management Specialist, UC Davis*

#### **Potential Rootstocks for Nematodes and Grape Fan Leaf Virus**

*Dr. Andy Walker, Professor, Dept. of Viticulture and Enology, UC Davis*

#### **Tasting**

**Lunch** (tickets \$15.00/person, available at door)

#### **Luncheon Speakers:**

*John Gillespie, President of Wine Opinions and Karen Ross, President of California Assoc. of Wine Growers*

#### **“Increasing Demand for CA Wines: Spreading the Word”**

3.5 hours PCA & CCA Continuing Education hours

## DORMANT SPRAY CONSIDERATIONS

Dormant sprays have traditionally been considered one of the most efficient and economical pest control options for tree fruit and nut growers. They control a multitude of pests with a minimum of risk to trees, people, and beneficial insects. There is also a conveniently wide window for application, a broad range of usable materials, and the advantage of excellent unobstructed spray coverage.

However due to the increasing concern of pesticides in surface water, it is time to review how the spray is applied and the need for the addition of organophosphate (OP) or pyrethroid (PY) insecticides to the dormant spray. The basic dormant spray program consists of a dormant oil and/or an insecticide or a fungicide. Dormant oil alone is all that is needed to control mites, scale, and aphids and this material it is less of an environmental concern.

An insecticide is needed either in addition to the oil or in place of it to control Peach Twig Borer, Cherry Leafhopper, or high populations of San Jose Scale. And a fungicide is needed to control Peach Leaf Curl in peaches and nectarines (see the next article). Recent research has identified effective replacements for some of the standard dormant OP or PY insecticides that are less likely to impact our waterways.

For **Peach Twig Borer** some effective and water safe alternatives include:

- *BT* (*Bacillus Thuringiensis*): apply 2 sprays during bloom. These can go in with your brown rot sprays if they are compatible.
- *Success*: Apply as a delayed dormant or a petal fall spray. Avoid bees!
- *Intrepid*: Apply as a delayed dormant spray or at 20-70% bloom

For **San Jose Scale** an effective OP alternative is:

- *Sieze or Esteem*: Apply as a delayed dormant spray with 2 gal oil/A

UC has developed a Dormant Spray Alternatives Calculator Tool that can help you more accurately evaluate the options and calculate their costs. It is an interactive program that you can access from the UC IPM website at:

<http://www.ipm.ucdavis.edu/WATER/OPCALC/>

If you need to apply a dormant spray, keep in mind that **new regulations** regarding dormant sprays went into effect last August. If you are just using oil and/or one of the PTB alternatives I have listed above, there are no additional restrictions. Also, If you never have runoff or can hold runoff on your property for 72 hours, there are no additional restrictions. For all other circumstances, you will need:

1. A written PCA recommendation
2. A 100' buffer from a waterway
3. To apply when the wind speed is between 3-10 MPH
4. To refrain from applications within 48 hours of a predicted rain if your soil is saturated or runoff is likely to occur.

Other practices that can help to reduce off-site movement and protect the waterways include:

- Don't mix or load near waterways
- Use the lowest effective rate
- Shut off spray rigs at the end of the row, especially near canals and streams
- Let the weeds grow in the middles or along the edges to reduce erosion and water runoff.



## PEACH LEAF CURL

Reprinted from Stanislaus County Farm Advisor Roger Duncan's newsletter.

Peach leaf curl was a problem in many local peach and nectarine orchards in 2006. This was due to the unusually high amount of rainfall we experienced last spring. In most years, this disease is easily controlled in our area with one dormant copper and oil spray. However, in years with a high amount of rainfall two sprays are sometimes necessary to get satisfactory control. This is especially true in highly susceptible fresh market varieties. The first spray is traditionally applied around Thanksgiving. The second application is applied in late January or early February. If only one spray is applied, it must be applied before the flower buds begin to show any color in spring. UC Plant Pathologist Jim Adaskaveg has shown that a dormant Ziram application reduces peach leaf curl as well as or better than copper. If leaf curl symptoms are noticed soon after trees leaf out in the spring, Ziram or Chlorothalonil (Bravo/Echo) can be applied to stop further spread of the disease.

<b>Efficacy of fungicides applied during dormancy against peach leaf curl on Fay Elberta peaches at UC Davis. Jim Adaskaveg. 2005/06</b>			
Treatment <sup>1</sup>	Application Date		% Disease <sup>2</sup>
	12/19	1/24	
Untreated	--	--	100 a
Kocide 2000 @ 8 lbs	X		77 b
Kocide 2000 @ 8 lbs	X	X	48 bc
Nordox 75 WG @ 3lb	X	X	62 b
Ziram 76 DF @ 8 lbs	X		26 c
Ziram 76 DF @ 8 lbs	X	X	4 d
Ziram (6 lb) + Cuprofix (4 lbs)	X	X	4 d
Cuprofix (6lb) 12/19 + Ziram (8lb) on 1/24	X	X	5 d

<sup>1</sup> Materials were applied without oil. Oil (at least 2 gal/ 100 gal of water) should be included in a copper application to substantially improve control.

<sup>2</sup> The average % of 100 shoots with leaf curl in April 2006.

*Note:* These are soluble materials that can runoff into waterways. Take precautions mentioned in previous article to avoid off site movement

## SPRING FROST

Adapted from an article by Farm Advisor Wilbur Reil

It is not too early to be thinking about spring frost. The way that the orchard floor is managed in the winter and spring can have a significant impact on orchard temperatures and the likelihood of frost damage. Sometimes just a degree or two can make the difference between saving or losing a crop. Bare, firm, moist soil provides the warmest conditions. The following chart shows the approximate temperature difference that can be expected under various orchard floor management practices in comparison to bare, firm moist ground.

Ground Preparation	Temperature Change
Bare, firm, moist ground	Warmest
Shredded cover crop, moist ground	½ °F colder
Low growing cover crop, moist ground	1-3 °F colder
Dry, firm ground	2 °F colder
Freshly disked, fluffy ground	2-3 °F colder
High cover crop	2-4 °F colder
High cover crop, restricted air drainage	6-8 °F colder

Strip weed control down the tree row will provide warm conditions in proportion to the area without vegetation. For example, if 25% of the orchard floor is bare under the tree row and the remaining 75% has a high cover crop, the orchard will be 1.5 to 3 °F colder than bare, firm, moist ground.

The Fruit and Nut Research and Information Center website has just added a new section on Frost Control & Protection. Check it out at: <http://fruitsandnuts.ucdavis.edu> . Click on the "Fruits & Nuts" button and then select "Frost Control & Protection". There is a great collection of information on biological frost controls, passive frost protection, using sprinklers for frost protection, predicting temperature trends and more!

## PUBLICATIONS

The following new UC publications are free and can be downloaded directly from our Online catalog at <http://anrcatalog.ucdavis.edu>. Type the publication number or title into the search box. If you don't have internet access, call or stop by my office and I'll be happy to print you a copy.

**Agricultural Biotechnology in California:**

Safety of Genetically Engineered Food

*Publication 8180*

**Conservation Tillage and Weed Management**

*Publication 8200*

**Methods to Enable the Coexistence of Diverse**

Corn Production Systems

*Publication 8192*

**Orchard Floor Management Practices to Reduce Erosion and Protect Water Quality**

*Publication 8202*

**State and Federal Approach to Control Non Point Source Pollution**

*Publication 8203*

### UC Pest Management Guidelines

These on-line guidelines offer pest lifecycle, monitoring, and control information for all major California commodities. The following Guidelines have been recently updated and are available at no charge from the UC IPM Website:

[www.ipm.ucdavis.edu](http://www.ipm.ucdavis.edu)

Alfalfa	Apple
Apricot	Caneberries
Cherry	Citrus
Fig	Grape
Nectarine	Peach
Plum	Prune
Small Grains	

This new UC Publication is priced as indicated and can be ordered from our Online catalog at <http://anrcatalog.ucdavis.edu> or by calling 1-800-994-8849. Reference copies are available in my office if you would like to review the publication before ordering.

**Weeds of California and Other Western States**

2 volumes, 848 pages & 912 pages

*Publication 3488, \$100*

The following publications are available from:

UC Small Farm Center  
University of California  
One Shields Ave  
Davis, CA 95616  
530-752-8136  
[sfc@ucdavis.edu](mailto:sfc@ucdavis.edu)

**Starting a New Farmers Market**

2005. 100 pages, \$15

**Management Skills for Market Managers**

2005. 104 pages, \$15

**Growing your Farmers Market**

2005. 76 pages, \$15

**Food Safety at Farmers Markets and Agritourism Venues.** 2005, 36 pages, \$8

**A Guide to Managing Risks and Liabilities at California Certified Farmers Markets**

2005. 20 pages, FREE at

### Crop Currents Newsletter is now Online

Would you like to get this newsletter faster? You can subscribe to receive an e-mail notification the instant the newsletter is posted on my website. Go to <http://cecontracosta.ucdavis.edu>, click on *Publications* then *Newsletters* then *Crop Currents*.

## UC WEBSITES

UC Fruit and Nut Research & Information Center

<http://www.fruitsandnuts.ucdavis.edu>

Selected features include:

- Crop information
- Chill unit accumulation

Irrigation, nutrition, water quality info

UC Vegetable Research & Information Center

<http://www.vric.ucdavis.edu>

Selected features include:

- Crop & production information

Good Agricultural Practices & Food Safety

UC Agronomy Research and Information Center

<http://agric.ucdavis.edu/>

Selected features include:

Crop information – alfalfa, grains, specialty crops

### UC IPM Program

<http://www.ipm.ucdavis.edu>

Selected features include:

- Pest Management Guidelines
- Weather data & chill unit accumulation
- Degree day models & interactive tools

Pest photo gallery

UC Weed Research & Information Center:

<http://www.wric.ucdavis.edu>

Selected features include:

- Weed ID & photo gallery
- Herbicide efficacy guidelines

Poisonous plant information

UC Postharvest Technology: [http://](http://postharvest.ucdavis.edu)

[postharvest.ucdavis.edu](http://postharvest.ucdavis.edu)

Selected features include:

Produce Facts (postharvest handling guidelines for over 100 individual commodities)

Post harvest resources directory

UC Agriculture & Resource Economics

<http://coststudies.ucdavis.edu>

Selected features include:

Cost of Production Studies

UC Sustainable Agriculture Research & Education Program:

<http://sarep.ucdavis.edu>

Selected features include:

Cover crop database

Organic farming information/links

Ecological grape pest management course

UC Small Farm Center

<http://www.sfc.ucdavis.edu>

Selected features include:

Agritourism

Specialty crops

Direct marketing

## CALENDAR

### JANUARY

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16-18

#### STOCKTON AG EXPO

San Joaquin Fairgrounds

Stockton, CA

Tuesday, Wednesday 9:00 am – 5:00 pm; Thursday 9:00 am – 4:00 pm

\$5 Adults, \$2 children (6-12) Free parking

Sponsor: Greater Stockton Chamber of Commerce

Contact: (209) 547-2960 or [www.stocktonagexpo.com](http://www.stocktonagexpo.com)

22-25

#### UNIFIED WINE & GRAPE SYMPOSIUM

Sacramento, CA

Fee: Various

Sponsor: Various

Contact: <http://unifiedsymposium.org/index.htm> for more information

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#### NORTHERN SAN JOAQUIN VALLEY TOMATO DAY

Doubletree Hotel

1150 9th St, Modesto

8:00 am – 11 am

Free

Sponsor: UCCE, CA Tomato Growers Assoc.

Contact: (209) 468-2085

#### CA TOMATO GROWERS ASSOCIATION 4<sup>TH</sup> EXHIBIT & 60<sup>TH</sup> ANNUAL MEETING OF MEMBERSHIP

Modesto, CA

8:00 am – 2:00 pm

Non Members: \$35

Sponsor: CA Tomato Growers Association, Inc.

Contact: (209) 478-1761 (RSVP by 1/19/07)

24-27

#### 27<sup>th</sup> ANNUAL ECOLOGICAL FARMING CONFERENCE

Asilomar Conference Grounds

Pacific Grove, CA

Wednesday, January 24 – Saturday, January 27

Fee: Various

Sponsor: Ecological Farming Association

Contact: (831) 763-2111

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**ENVIRONMENTAL ISSUES ON THE FARM: AN  
OVERVIEW OF PROBLEM SOLUTIONS FOR  
PRODUCTION AGRICULTURE**

Davis, CA

9:00 am – 4:30 pm

Fee: \$275

Sponsor: UC Davis Extension

Contact: (800) 752-0881

FEBRUARY

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**2007 PLACER GROWN FARM CONFERENCE**

Lincoln, CA

8:00 am – 4:00 pm

Fee: \$55 before 1/22/07; \$65 after

Sponsor: PlacerGROWN

Contact: (530) 889-7398

**MANAGING THE SMALL VINEYARD I**

UC Davis

9:00 am – 4:00 pm

Fee: \$175 includes box lunch & course materials

Sponsor: UC Davis Extension

Contact: (800) 752-0881

4-6

**AAIE ECOLOGICAL PEST MANAGEMENT  
CONFERENCE**

Napa, CA

Fee: \$145-\$235

Sponsors: Association of Applied IPM Ecologists

Contact: [www.aaie.net](http://www.aaie.net)

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**TASTING ROOM DESIGN & MANAGEMENT**

UC Davis

9:00 am- 4:30 pm

Fee: \$195 includes course materials & lunch

Sponsor: UC Davis Extension

Contact: (800) 752-0881

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**BI-COUNTY WINEGRAPE SEMINAR**

Turlock, CA

8:00 am registration

Sponsors: UCCE Merced & Stanislaus counties

Contact: Maxwell Norton, (209) 385-7403 or [mnorton@ucdavis.edu](mailto:mnorton@ucdavis.edu)

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**PESTICIDE SAFETY TRAINING FOR HAN-  
DLERS IN SPANISH**

Diablo Valley Farm Center

Delta Rd & 2nd St, Knightsen

Free

Sponsors: UCCE Contra Costa & CCC Ag Dept

Contact: (925) 646-6540 to register

**HEALTH & SAFETY FOR WINERY OPERA-  
TIONS: AN OVERVIEW**

Sacramento, CA

Fee: \$260 includes course materials & morning refreshments

Sponsor: UC Davis Extension

Contact: <http://wineserver.ucdavis.edu/>

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**SONOMA COUNTY GRAPE DAY**

Wells Fargo Center for the Arts

50 mark West Rd, Santa Rosa

9:00 am – Noon

Fee: Free

Sponsor: Sonoma County UCCE

Contact: Vivan Morales (707) 565-2621,  
[vlmorales@ucdavis.edu](mailto:vlmorales@ucdavis.edu)

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**WINE APPRECIATION: INTRODUCTION TO  
SENSORY EVALUATION OF WINE**

UC Davis (Must be 21 or older)

9:00 – 4:30

Fee: \$525 includes two lunches and all wine

Sponsor: UC Davis Extension

Contact: (800) 752-0881

MARCH

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3-8

**UCD WINE EXECUTIVE PROGRAM**

Sacramento, Ca

Fee: \$3600.00-4800.00

Sponsors: UCD Graduate School of Management,  
School of Viticulture & Enology, Wine Business  
Monthly, Wines & Vines, Vino Farms Inc., Seguin  
Moreau, American AgrCredit, BMO, Comerica,  
Rabobank, SVB, Tranchero Family Estates and  
others

Contact: (530) 754-6450; [http://  
www.wineexecutiveprogram.com/](http://www.wineexecutiveprogram.com/)



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**RECENT ADVANCES IN VITICULTURE AND ENOLOGY**

UC Davis  
9:00–5:00 pm  
Fee: \$220  
Sponsor: UC Davis Extension  
Contact: (800) 752-0881, [www.extension.ucdavis.edu](http://www.extension.ucdavis.edu)

**PESTICIDE SAFETY TRAINING FOR HANDLERS IN SPANISH**

Diablo Valley Farm Center  
Delta Rd & 2nd St, Knightsen  
Free  
Sponsors: UCCE Contra Costa & CCC Ag Dept  
Contact: (925) 646-6540 to register

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**FUNDAMENTALS OF GIS FOR VINEYARD MANAGEMENT**

UC Davis  
8:00 am–5:00 pm  
Fee \$275  
Sponsor: UC Davis Extension  
Contact: (800) 752-0881 [www.extension.ucdavis.edu](http://www.extension.ucdavis.edu)

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**INTERMEDIATE GIS FOR VINEYARD MANAGEMENT**

UC DAVIS  
8:00–5:00 pm  
Fee: \$275  
Sponsor: UC Davis Extension  
Contact: (800) 752-0881 [www.extension.ucdavis.edu](http://www.extension.ucdavis.edu)

30-31

**SENSORY EVALUATION OF OLIVE OIL**

UC Davis  
Fee: \$595, includes two lunches and all tastings  
Sponsor: UC Davis Extension  
Contact: (800) 752-0881 [www.extension.ucdavis.edu](http://www.extension.ucdavis.edu)



APRIL

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**PESTICIDE SAFETY TRAINING FOR FIELD-WORKERS IN SPANISH**

Diablo Valley Farm Center  
Delta Rd & 2nd St, Knightsen  
Free  
Sponsors: UCCE Contra Costa & CCC Ag Dept  
Contact: (925) 646-6540 to register

MAY

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**VARIETY FOCUS: ZINFANDEL**

UC Davis  
SAVE THE DATE!  
Sponsor: UC Davis Extension  
Contact: (800) 752-0881 [www.extension.ucdavis.edu](http://www.extension.ucdavis.edu)

JUNE

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**PESTICIDE SAFETY TRAINING FOR FIELD-WORKERS IN SPANISH**

Diablo Valley Farm Center  
Delta Rd & 2nd St, Knightsen  
Free  
Sponsors: UCCE Contra Costa & CCC Ag Dept  
Contact: (925) 646-6540 to register

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