

Fruit Ripening & Ethylene Management Workshop

Tuesday, May 20, 2008

This workshop, presented by the UC Davis Postharvest Technology Research and Information Center, is intended for shippers and destinations (wholesale and retail) handlers who are involved in ripening fruits and fruit-vegetables. The workshop focuses on how to increase profits by delivering ready-to-eat, delicious fruits and fruit-vegetables to the consumer.

COORDINATOR

James Thompson has more than 30 years of experience as an extension engineer in the Biological & Agricultural Engineering Department and is Director of the Postharvest Technology Research and Information Center at UC Davis. He specializes in the engineering aspects of handling of crops after harvest, and energy management in agriculture. Specific areas of research include initial cooling and cold storage systems for perishable products; packaging; transportation; and drying and handling of grain, fruit and nut crops.

FOR MORE INFORMATION

Technical Content:

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Registration:

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ALSO OF INTEREST

- **30th Annual Postharvest Technology Short Course** — June 16-27, 2008 at UC Davis
- **30th Anniversary Celebration.** *A special one-day symposium celebrating 30 Years of Excellence in Postharvest Education, and taking a look at the future* — June 21, 2008 at UC Davis
- **Adel Kader Retirement Dinner.** June 21, 2008.
- **Fresh-cut Products: Maintaining Quality & Safety Workshop** — September 16-18, 2008 at UC Davis

FOR MORE INFORMATION

<http://postharvest.ucdavis.edu> or (530) 752-6941

The UC Davis Postharvest Technology Research & Information Center reserves the right to cancel or reschedule courses and to change instructors. Every reasonable effort will be made to notify enrollees of changes or cancellations.

The University of California does not discriminate in any of its policies, procedures or practices. The University is an affirmative action/equal opportunity employer.

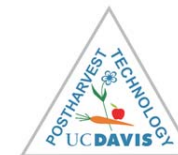


14th Annual

Fruit Ripening & Ethylene Management Workshop

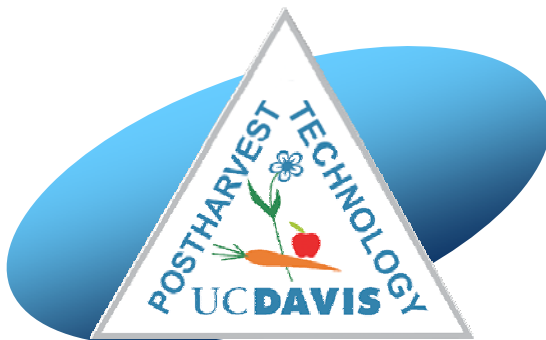
May 20, 2008

At the
UC Davis Plant & Environmental
Sciences Building, Room 3001



Presented by the

POSTHARVEST TECHNOLOGY
Research & Information Center



ENROLLING IS EASY!

By Mail: Complete this form and send it with your check to:
Attn: Penny Stockdale, Registration Desk; Postharvest
Technology Research & Information Center; Dept. Plant
Sciences—UC Davis; One Shields Ave.; Davis, CA 95616
By Phone: Call (530) 752-6941. Please have your Visa,
MasterCard, or American Express, account number handy.
By Fax: Fax your completed enrollment form, along with
credit card information to: (530) 754-4326
On Line: Link to the secure registration site from: [http://
postharvest.ucdavis.edu](http://postharvest.ucdavis.edu) (Fruit Ripening & Ethylene
Management Workshop)



Enrollment Form for Fruit Ripening & Ethylene Management Workshop:

Name _____

Company _____

Job Title _____

Address _____

City _____ State _____

Zip _____ Country _____

Phone _____ Fax _____

Email _____

I will need a campus parking permit for the workshop

Please include me in the workshop networking roster

Payment Information

My Enrollment Fee is \$275

Enclosed is a check payable to "UC Regents"

Please charge my credit card:

Account Number _____ Expiration Date _____

Name on Card _____ Authorizing Signature _____

Visa MasterCard American Express

Verification number (last three
digits on signature panel) _____
5-Digit Zip Code for
CC Billing Address _____

AGENDA—DRAFT

7:45 am **Registration and Coffee**

8:15 am **The Importance of a Retail Ripening Program** *Dennis Kihlstedius, Produce Technical Services*

8:45 am **Fruit Maturity, Ripening & Quality Relationships** *Florence Negre-Zakharov, Dept. of Plant Sciences, UCD*

9:30 am **Biology of Ethylene Production and Action in Fruits** *Michael Reid, Dept. of Plant Sciences, UCD*

10:15 am **BREAK**

10:30 am **Ripening Facilities & Equipment** *Jim Thompson, Dept. Biological & Ag Engineering, UCD*

11:00 am **Temperature Management** *Beth Mitcham, Dept. of Plant Sciences, UCD*

11:30 am **Maturity** *Marita Cantwell, Dept. of Plant Sciences, UCD*

12:00 pm **LUNCH**

1:00 pm **BREAKOUT DEMONSTRATION SESSIONS**

Group 1 (Michael Reid)

Measurement CO₂, O₂, Ethylene, Automated Measurement, Kitigawa Tubes

Group 2 (Florence Negre-Zakharov & Beth Mitcham) Organoleptic Quality Measurement: Flavor, Aroma, SSC, Peel Color

Group 3 (Gavin Ross, Jim Gorny, Deirdre Holcroft) Green Bag MAP, SmartFresh, Hammock Pack, RipeSense

Group 4 (Jim Thompson)

Measurement of firmness, texture, temperature, RH, airflow

1:30 pm **Ethylene Treatments** *Gavin Ross, HortResearch*

2:30 pm **Ethylene Inhibition & Control** *Deirdre Holcroft, AgroFresh*

3:00 pm **BREAK**

3:15 pm **Packaging** *Beth Mitcham*

3:45 pm **Problem Diagnosis** *Jim Thompson*

4:15 pm **The Future of Ripening** *Beth Mitcham*

4:45 pm **Course Evaluations and Certificates** *Jim Thompson*

ENROLLMENT INFORMATION

DATE AND TIME

Tuesday, May 20, 2008, 8:15 am to 5 pm.
The registration desk will open at 7:45 am.

LOCATION

Plant & Environmental Sciences Building, Room 3001, at the University of California, Davis campus.
(Campus Map: http://www.cevs.ucdavis.edu/map/map_detail.cfm?assetInfo=101)

ENROLLMENT FEE

\$275 includes all instruction, course materials, coffee breaks, and lunch. Your enrollment is requested by May 13, 2008.



PARKING & ACCOMMODATIONS

If you need to park a vehicle on campus for this workshop, please request a campus parking permit on the enrollment form. For Davis hotel information please go to: http://www.davisvisitor.com/sub_hotels.php?id=9&city=13. A limited number of short-stay campus apartments are available for \$65/night (<http://www.confhs.ucdavis.edu/PDF/UGRhousing.pdf>)

IF YOUR PLANS CHANGE

Refunds, less a \$30 processing fee, will be granted if requested at least seven calendar days before the course begins. At that time, you may also discuss sending a substitute.