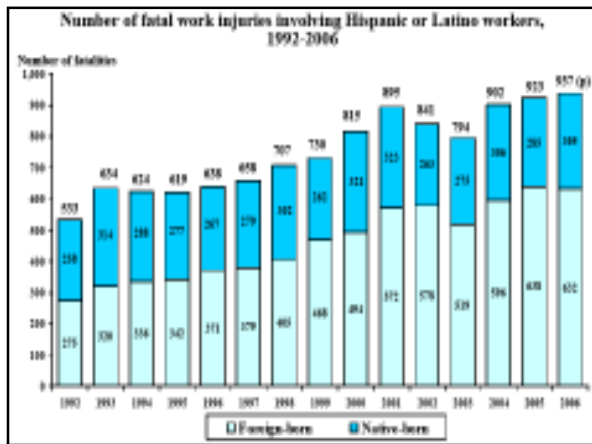




**SUSTAINABLE AG EXPO**

## Labor Management: Laws & Regs Safety Compliance & Management

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**Man crushed to death by tractor**

Lathrop/Manteca SUN POST April 3, 2007

- A Manteca man was crushed to death after a tractor rolled over on top of him Friday, March 23. Raul Plascencia, 50, was trying to load a tractor onto a trailer at Gallagher Vineyards in south Manteca when the accident occurred...

## Two Lompoc vineyard workers drown

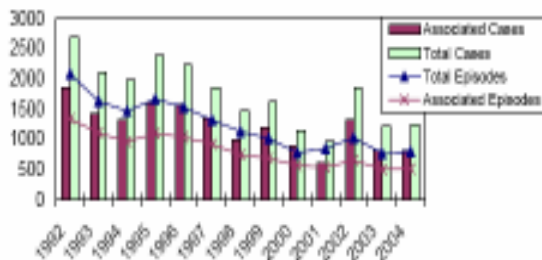
By Luis Ernesto Gomez/Staff Writer March 30, 2007

- Two vineyard workers were found drowned in an irrigation pond of a winery about five miles east of Lompoc on Thursday morning after they were reported missing by relatives the night before.
- Investigators believe Ramon Cisneros Acosta, 42, and Rogelio Ruiz Reyes, 29, both of Lompoc, drowned accidentally in the pond at Clos Pepe Winery...
- Among a litany of questions Cal OSHA investigators will look into is whether the work required two or more workers and whether they had been trained to do so...

## Hired Employees in Agriculture

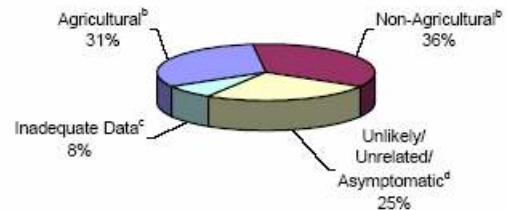
- 79% male
- 83% self-identify as Hispanic
- most born in Mexico
- median age 31
- 63% married and/or parents
- 6th-grade median formal education
- Literacy and language issues
- Cultural issues of machismo and patronismo

Figure 1: Number of Cases vs. Number of Episodes, 1992 - 2004



SUMMARY OF RESULTS FROM THE CALIFORNIA PESTICIDE ILLNESS SURVEILLANCE PROGRAM - 2004

Figure 2: Outcome of 2004 Illness Investigations<sup>a</sup>



SUMMARY OF RESULTS FROM THE CALIFORNIA PESTICIDE ILLNESS SURVEILLANCE PROGRAM - 2004

## Heat Related Illnesses - 2005

- 25 reported cases –
- Average age – 41 years, range 17 – 76
- **68% Spanish-speaking**
- **38% agriculture, 29% construction**
- Ambient Temp, 98 degrees, range 75-116
- Water available in 100% of cases
- **46% incidents first day of work, 80% within first 4 days**
- **2005 – 13 heat deaths - 37 Cal OSHA Inspections**
- **2006 – 8 heat deaths - 180 Cal OSHA inspections**
- **2007 – 1 heat death - 350 Cal OSHA Inspections**



## Section 3395 - Heat Illness Prevention

- Four Basic Steps to Prevent Heat Illness
  - Provide Heat Illness Prevention Training
  - Provide sufficient fresh drinking water
  - Provide access to shade for recovery periods
  - Develop written procedures to comply with this rule

## OSHA requirements

- IIPP Requirements – Most Common Cal OSHA Violation in 2006
- 7 basic components of IIPP (Sect 3203)
  - Responsibility
  - Communication
  - Hazard ID
  - Injury Investigation
  - Hazard Correction
  - Compliance (rules enforcement, incentives)
  - Training

## Cal OSHA Sect 3203 - IIPP

- (7) Provide training and instruction:
  - (A) When the program is first established;
  - (B) To all new employees;
  - (C) To all employees given new job assignments for which training has not previously been received;
  - (D) Whenever new substances, processes, procedures or equipment are introduced to the workplace and represent a new hazard;
  - (E) Whenever the employer is made aware of a new or previously unrecognized hazard; and,
  - **(F) For supervisors to familiarize themselves with the safety and health hazards to which employees under their immediate direction and control may be exposed.**

## Compliance issues:

- “(3) Include a system for communicating with employees **in a form readily understandable by all affected employees** on matters relating to occupational safety and health,..”  
(Cal-OSHA IIPP regulation)
- (c) The training shall be in a manner the employee can understand, be conducted pursuant to the written training program, and include response to questions.  
(DPR – Pesticide applicator training regulation)



## A Critical Resources:

- UC Davis, Ag Ergonomics:
  - <http://ag-ergo.ucdavis.edu/>
- UC Ag Personnel Management Program:
  - <http://apmp.berkeley.edu/>
  - Heat Stress, Immigration, Labor issues
  - Ag, Front Line Supervisor Safety Management Training Program



## Additional Resources:

- NIOSH/OSHA en Español website:
  - [www.cdc.gov/spanish/niosh/](http://www.cdc.gov/spanish/niosh/)
  - [www.osha.gov/as/opa/spanish/index.html](http://www.osha.gov/as/opa/spanish/index.html)
- <http://www.dir.ca.gov/dosh/PubOrder.asp>
- Oregon's PESO program  
[www.cbs.state.or.us/external/osha/educate/peso.html](http://www.cbs.state.or.us/external/osha/educate/peso.html)
- AgSafe (CAB, CSUFresno) provides a Bilingual Ag Safety Certificate Program ([www.agsafe.org](http://www.agsafe.org))
  - Also hosts Annual AgSafe Conference - largest 3-day, bilingual safety conference in America
  - Farmworker Motor Vehicle Safety Training Program