


Strawberry Commission Regulatory Update

Dan Legard
Director of Research

- 
- New Federal Regulations for Fumigants
 - Methyl Bromide Critical Use Exemption
 - Emerging California Fumigation Regulations
 - Raised-Bed Trough Experiment update (Farming without Fumigants)

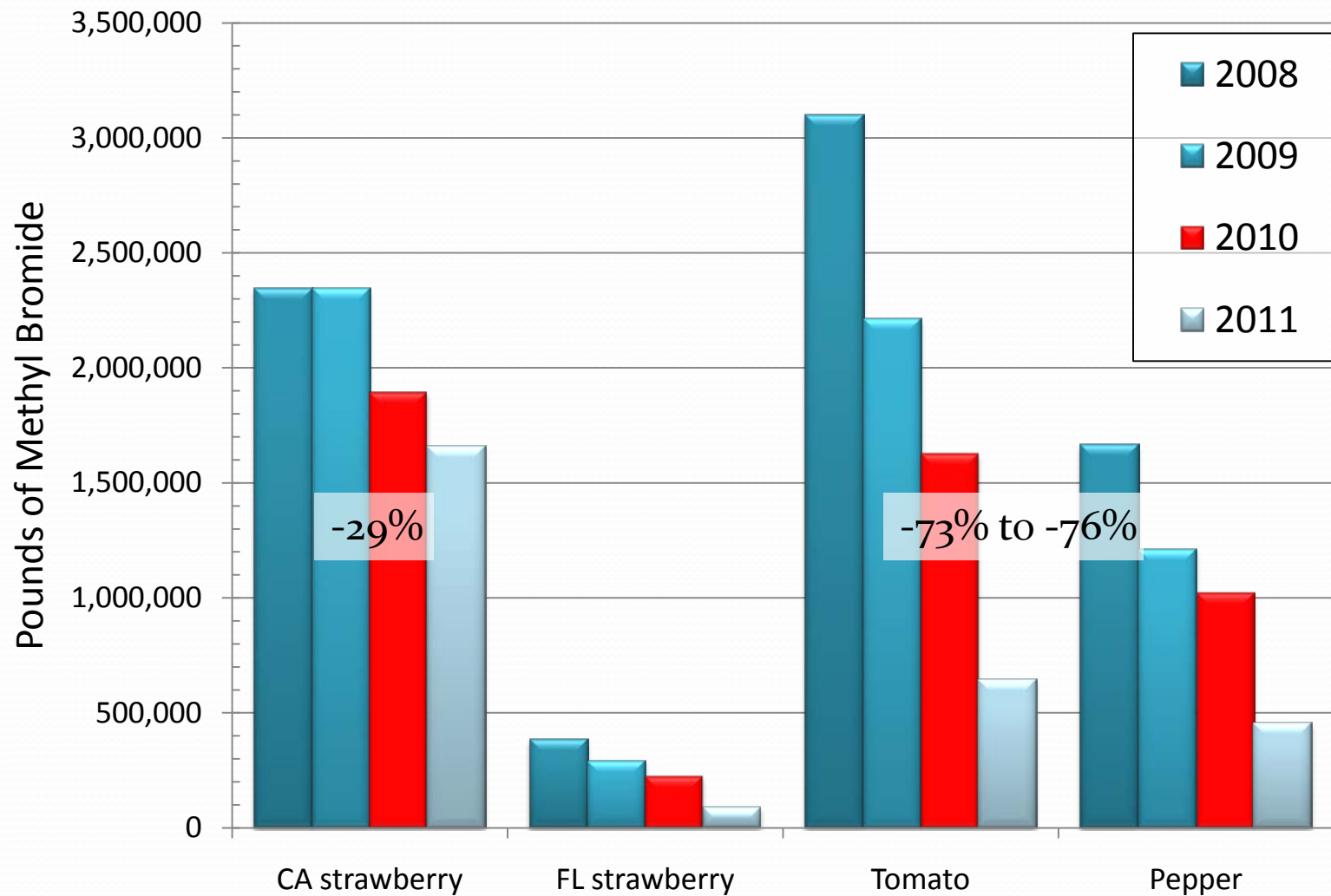
New Federal Labels for all Fumigants

- Buffer zones will be slightly larger for broadcast applications
- Will get credit for using high barrier films (VIF/TIF) and potassium thiosulfate (2011)
 - 60% Reduction in buffer zones for VIF/TIF
 - 15% reduction for using K-thiosulfate
 - 75% reduction for using both
- Must either monitor site for 24 hrs or notify neighbors
 - Notification zone is based on size of buffer zone
- Most non-CUE uses will be dropped (raspberry?)

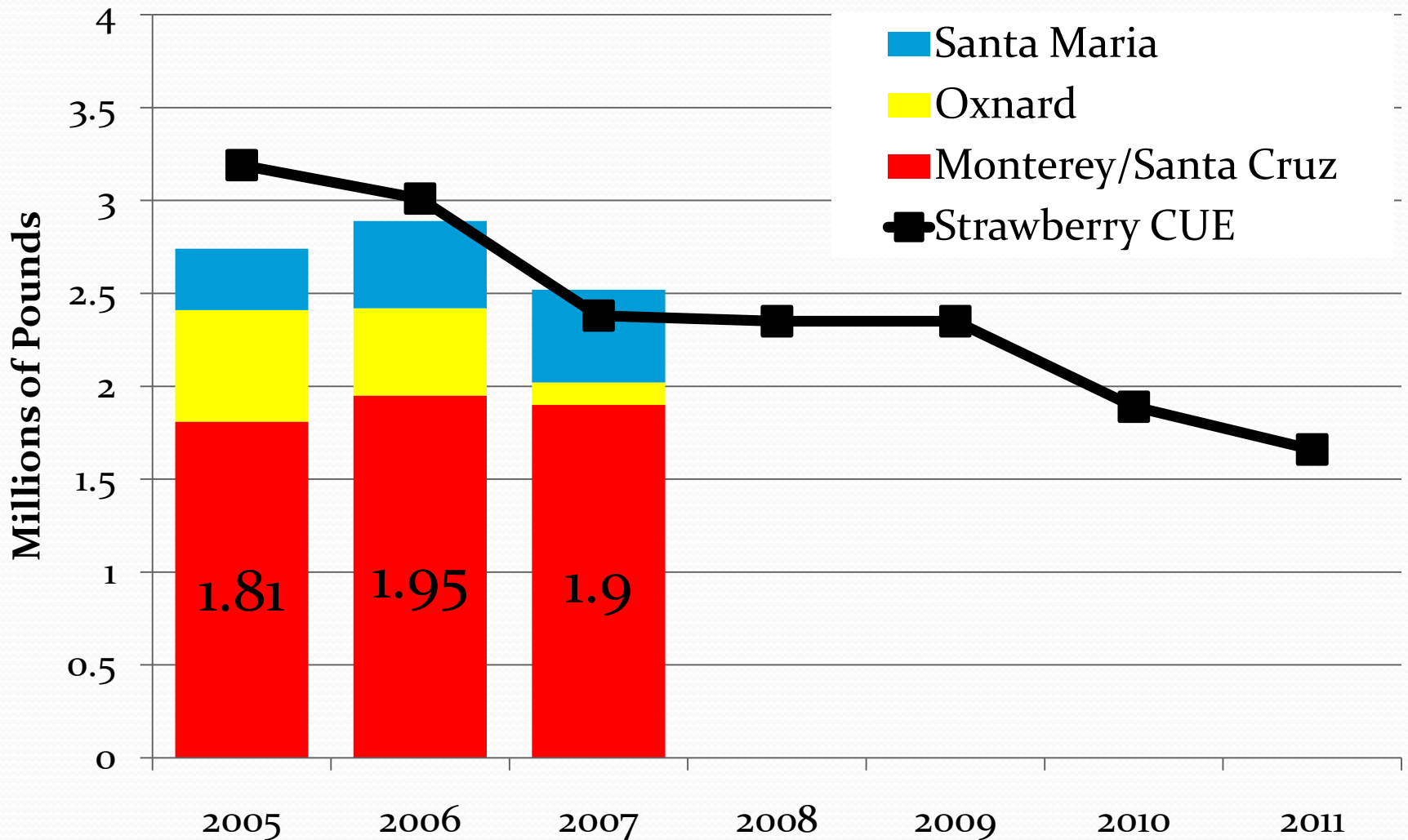
Methyl Bromide CUE

- CA strawberry has been awarded:
 - 1.89 million pounds for 2010
 - 1.65 million pounds for 2011
- Asked for 1.9 million pounds for 2012 due to regulatory restrictions (telone cap and Pic) and emerging disease issues (*Macrophomina* and *Fusarium*)
- Other large users have seen significant cuts in their CUE (tomatoes and peppers) amounts for 2010 & 2011
- Stockpiles of MB have been reduced significantly

Methyl Bromide CUE Amounts from 2008 - 2011



Methyl Bromide Use on Strawberry



Significant portion of MB used is from Stockpile (EPA allocation rule)

Year	Total US CUE (lbs)	New Production (lbs)	From Stocks (lbs)	% of CUE From Stocks
2007	13,736,243	9,515,272	4,220,970	31%
2008	11,807,840	6,798,401	3,813,311	32%
2009	9,248,189	5,017,093	4,231,096	46%
2010	6,539,305	5,017,093	3,355,903	51%

California Fumigant Regulations

- Working with DPR to allow use of VIF and K-thiosulfate for reducing VOC emissions
- Evaluating chloropicrin as a toxic air contaminant
 - Preliminary report was very negative
 - Claimed that chloropicrin is a carcinogen (Prop 65)
 - Could lead to large buffer zones and township caps
- New CA restrictions for MB due to lawsuit
 - This will probably result in monthly township caps to reduce “subchronic” exposure
 - Will likely take effect in 2011

Raised- Bed Trough Experiments

- Evaluating the production of strawberry fruit in substrate and soil/substrate mixtures
 - Peat, coconut coir, rice hulls, soil, etc.
- Conducted two field studies last season
 - Had good results but problems with nutrition
- Have installed three field studies for this season
 - Camarillo
 - Santa Maria
 - Watsonville (MBA)

Santa Maria



Santa Maria



Santa Maria



Santa Maria



Watsonville

