Acrolein Information Request -- California Response

Dear Harold,

Attached is a report on Acrolein and air quality done by the California Department of Pesticide Regulation (http://www.cdpr.ca.gov/docs/emon/pubs/tac/recomm/acroleinrec05.pdf) and the use information that was requested for California crops.

If you have any questions, please contact me.

Regards,

Rick

Information Needed from USDA/OPMP Regarding Irrigation Timing with Respect to Harvest Timing for Selected Crops within Selected States

Acrolein is currently under reregistration and one of its uses is as an aquatic herbicide applied in canals in the western half of the United States. The information being sought is the duration of time between overhead irrigation from a surface water sources and harvest of the respective commodity (overhead=any irrigation system which results in water being deposited on the harvested commodity). The states and crops listed in the following table represent the current focus of this request. Please keep in mind that this is an iterative process and once HED has evaluated the answers from the current analysis there may be further crops that require the same information. Keeping this in mind, BEAD has made every attempt to streamline this process and narrow the focus of the analysis prior to enlisting the assistance of USDA in order to reduce the amount of time required to gather relevant information.

Brief Characterization of the Information to be placed into the Tables

- The information being requested is needed to determine the time duration between overhead irrigation from surface water sources and harvest of the respective commodities (overhead= any irrigation system which results in water being deposited on the harvested commodity).

- On crops where overhead irrigation is not used, simply answer "No", then in the comments section specify the general type of irrigation system(s) used.

- If overhead irrigation, or other overhead watering is used but not applied within 7 days of harvest simply answer "No application within 7 days of harvest" in the comments section.

- Please provide any other information that may be appropriate for this line of inquiry (e.g. knowledge of acrolein use, distance between location of acrolein application and where the water is used, knowledge of application timing and water use, reasons why crop would not be irrigated within 7 days of harvest…)

Person Making Entries in Table: Rick Melnicoe, Director, Western IPM Center, University of California, Davis

States	**Crops**	**Overhead Irrigation (Yes or No)**	**Duration Between Last Overhead Irrigation or Any Water Application & Harvest**	**Comments (Please add any other information that you feel is relevant)**
Example State Name	*Example Crop Name*	*Yes*	*Primarily 15 days Dry years could be 24-48hr*	*During dry years a light irrigation could be applied within 24-48 hours to make fruit more turgid.*
Arizona	Oranges			
California	Apples	No		The only overhead watering of apples is for cooling during the summer. The water is always higher quality groundwater, not from surface waters. Normal irrigation is from flood, drip or micro-emitters, but no foliage contact from irrigation water.
	Grapes (All)	No		No overhead irrigation. Drip and some micro-emitters, but no foliage contact.
	Oranges All	No		No overhead irrigation. Flood, drip and some micro-emitters, but no foliage contact.
Idaho	Apples			
New Mexico	Apples†			
	Grapes† (All)			
Washington	Apples			
	Grapes (All)			

†Not listed by the registrant as receiving treated irrigation water.

Please include a list of sources for each entry.

Information provided by:
Mark Freeman, Farm Advisor, University of California, Fresno County, (559) 456-7265. Grapes, Citrus
Maxwell Norton, Farm Advisor, University of California, Merced County, (209) 385-7403. Grapes, Citrus, Apples
Joseph Grant, Farm Advisor, University of California, San Joaquin County, (209) 468-2085. Apples