



# Department of Pesticide Regulation



Brian R. Leahy  
Director

## MEMORANDUM

Edmund G. Brown Jr.  
Governor

TO: Dr. Marylou Verder-Carlos  
Assistant Director  
Pesticide Programs Division

**HSM-16008**  
(No. assigned after issuance of memo)

FROM: Lisa Ross, Ph.D.  
Environmental Program Manager II  
Chief, Worker Health and Safety Branch  
(916) 324-4116

*[Original signed by L. Ross]*

DATE: January 15, 2016

SUBJECT: COMPLETION OF FENOXAPROP-ETHYL MITIGATION ON RICE (1994)  
AND ORNAMENTALS AND TURF (1996)

---

Fenoxaprop-ethyl is an herbicide which is selective against perennial and annual grass weeds in many crops. The high potential toxicity of fenoxaprop-ethyl shown in liver and developmental toxicity studies in animals was the reason for the compound entering the risk assessment process for use on rice, ornamentals and turf. The risk assessment for use on rice was completed in 1994. The risk assessment for use on ornamentals, and turf was completed in 1996.

A Margin of Safety (MOS) of at least 100 is generally recognized as protective of human health when the toxicological endpoints are based on animal studies. Based on the available toxicity and residue data, the MOS values for acute and chronic dietary exposure, for rice and other commodities for which tolerances have been established by the U.S. Environmental Protection Agency, were acceptable for all population subgroups.

Based on the available toxicity and exposure data, the MOSs were acceptable for workers handling and applying fenoxaprop-ethyl to ornamentals and turf under acute and seasonal exposure scenarios. MOS values for acute exposure of pilots and flaggers for use on rice was below 100. MOS values for seasonal exposure of pilots for use on rice were below 100. No mitigation of risks is necessary at this time because no products containing fenoxaprop-ethyl are currently registered in California. However, if products containing fenoxaprop-ethyl are registered in California in the future, a risk assessment should be considered. Your approval of this conclusion is requested.

cc: Kevin Solari, Environmental Program Manager I (Supervisory)

### APPROVAL

*[Original signed by M. Verder-Carlos]*  
Marylou Verder-Carlos, Assistant Director

January 25, 2016  
Date