



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-14009

No. assigned after issuance of memo

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

[Original signed by L. Ross]

DATE: December 24, 2014

SUBJECT: COMPLETION OF CARBOFURAN MITIGATION

The Carbofuran Mitigation memorandum (Sanders 2012) describes the findings of the Worker Health and Safety Branch (WHS) in regards to the need for mitigation of carbofuran exposures.

In 2006, DPR's Risk Characterization Document for carbofuran identified exposure scenarios for handlers, fieldworkers, and bystanders where levels of concern were exceeded (Rubin 2006). Since that 2006 determination, in 2009 U.S. EPA revoked all carbofuran residue tolerances for food commodities (U.S. EPA 2009). In 2011, U.S. EPA announced approval of the registrant's voluntary cancellation of all remaining carbofuran products (Keigwin 2011). The cancellation allowed end-users to use their existing stocks for a few non-food uses only, but prohibited all sale of carbofuran products after September 28, 2011.

During this same period, carbofuran use in California declined dramatically (DPR 2014a). Reported use of carbofuran in 2010 was only 4 pounds statewide. In 2011, reported use of carbofuran was only 1.3 pounds statewide. In 2012, the most recent year for which use statistics are available, no carbofuran use whatsoever was reported in California.

From 2002 through 2012, the most recent year for which illness statistics are available, no illness or injury cases related to carbofuran use were reported in California (DPR 2014b).

Given U.S. EPA's cancellation of tolerances and uses, the exceedingly low use within California, and the lack of reports of carbofuran-related illness, WHS finds that there is no need for further mitigation action for carbofuran. Your approval of this conclusion is requested.

cc: Linda O'Connell, Environmental Program Manager I
Kevin Solari, Senior Environmental Scientist (Supervisor)

APPROVAL

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

December 29, 2014
Date



REFERENCES

- Department of Pesticide Regulation (DPR). 2014a. California Pesticide Information Portal (CALPIP), Pesticide Use Report Database. California Department of Pesticide Regulation, California Environmental Protection Agency, Sacramento CA. Available at <http://calpip.cdpr.ca.gov/main.cfm> (accessed December 11, 2014)
- Department of Pesticide Regulation (DPR). 2014b. California Pesticide Illness Query (CalPIQ) [Online]. California Department of Pesticide Regulation, California Environmental Protection Agency, Sacramento CA. Available at http://apps.cdpr.ca.gov/calpiq/calpiq_input.cfm (accessed December 11, 2014)
- Keigwin, R.P. 2011. Product Cancellation Order for Certain Pesticide Registrations. U.S. Environmental Protection Agency, Washington D.C. Federal Register 76 (188): 60025 – 60028. Available at: <http://www.gpo.gov/fdsys/pkg/FR-2011-09-28/pdf/2011-24832.pdf> (accessed December 15, 2014).
- Rubin, A.L. 2006. Risk Characterization Document: Carbofuran. California Department of Pesticide Regulation, California Environmental Protection Agency, Sacramento, CA. Available at <http://www.cdpr.ca.gov/docs/risk/rcd/carbofuran.pdf> (accessed December 12, 2014).
- Sanders, J.S. 2012. Carbofuran Mitigation. Memorandum to Marylou Verder-Carlos dated March 5, 2012. California Department of Pesticide Regulation, California Environmental Protection Agency, Sacramento, CA. Available at http://www.cdpr.ca.gov/docs/whs/pdf/carbofuran_close-out_memo_2012.pdf (accessed December 12, 2014).
- U.S. Environmental Protection Agency. 2009. Carbofuran; Final Tolerance Revocation; Final Rule. U.S. Environmental Protection Agency, Washington D.C. Federal Register 74 (93): 23045 – 23095. Available at <http://www.gpo.gov/fdsys/pkg/FR-2009-05-15/html/E9-11396.htm> (accessed December 15, 2014).