



Department of Pesticide Regulation



Brian R. Leahy
Director

Edmund G. Brown Jr.
Governor

June 1, 2018

Dr. Michael Kleinman
Chairman, Scientific Review Panel
Department of Medicine
University of California, Irvine
100 Theory, Suite 100
Irvine, California 92697-1830

Dear Dr. Kleinman:

As part of the Department of Pesticide Regulation's (DPR's) evaluation of chlorpyrifos as a toxic air contaminant (TAC), the TAC Scientific Review Panel (SRP) is conducting a peer review of DPR's Draft Evaluation of Chlorpyrifos as a Toxic Air Contaminant. DPR's evaluation addresses potential human health effects arising from exposure to chlorpyrifos from food, drinking water, air, and skin contact, as well as aggregate exposures from various combined scenarios. In December 2017, DPR provided the SRP with the draft evaluation and the Office of Environmental Health Hazard Assessment's (OEHHA's) findings for its review. In accordance with Food and Agricultural Code section 14023, the SRP is charged with reviewing the scientific data, procedures and methods used to support the data, and conclusions to determine if DPR's science is seriously deficient. In January and March 2018, DPR also met with the SRP to present the scientific issues involved with evaluating the toxicity of chlorpyrifos as a TAC. On both occasions, the SRP recommended several revisions to DPR's evaluation including the consideration of using developmental neurotoxicity as the toxic endpoint and accounting for additional evaluations of other toxicity and epidemiological studies that are currently available.

This revised Evaluation of Chlorpyrifos as a Toxic Air Contaminant is an addendum to the December 2017 draft evaluation. This revision fully explores the currently available database on the developmental neurotoxicity endpoint and presents the reference concentrations based on that endpoint. It also updates the risk appraisal section and the conclusions. However, the specific scientific evaluations of the acetylcholinesterase toxicological endpoint are still contained in the December 2017 draft evaluation.



Dr. Michael Kleinman
June 1, 2018
Page 2

The revised evaluation and the December 2017 document are available at the following DPR Web page: <http://www.cdpr.ca.gov/docs/whs/active_ingredient/chlorpyrifos.htm>.

The SRP will discuss the revised evaluation at its meeting on June 12, 2018. Information about the meeting is available at: <<https://www.arb.ca.gov/srp/srpmeetings.htm>>.

Please contact me if you have any questions.

Sincerely,



Dr. Marylou Verder-Carlos
Assistant Director
916-445-3984

Enclosures

cc: Ms. Teresa Marks, DPR w/Enclosures
Dr. Cort Anastasio, SRP member w/Enclosures
Dr. Jesús Araujo, SRP member w/Enclosures
Dr. Paul Blanc, SRP member w/Enclosures
Dr. Alan Buckpitt, SRP member w/Enclosures
Dr. Stanton Glantz, SRP member w/Enclosures
Dr. Katharine Hammond, SRP member w/Enclosures
Dr. Joseph Landolph, SRP member w/Enclosures
Dr. Beate Ritz, SRP member w/Enclosures
Dr. Jim Behrmann, ARB w/Enclosures
Dr. David Siegel, OEHHA w/Enclosures
Dr. Melanie Marty, OEHHA w/Enclosures
Dr. John Faust, OEHHA w/Enclosures
Dr. David Ting, OEHHA w/Enclosures