Department of Pesticide Regulation

dpr

Brian R. Leahy
Director

Edmund G. Brown Jr.
Governor

California Notice 2015-02
(Supersedes CA Notice 2012-02)

TO: Pesticide Registrants and Other Stakeholders

SUBJECT: REVISION TO THE DEPARTMENT OF PESTICIDE REGULATION'S
EVALUATION FOR IMPACTS TO CALIFORNIA SURFACE WATERS:
IMPROVED URBAN EVALUATION

The Department of Pesticide Regulation (DPR) Environmental Monitoring Branch's (EM's) Surface Water Protection Program (SWPP) evaluates the potential for a pesticide product to have an adverse impact on surface waters in California. This notice describes a revision to the process by which SWPP evaluates the potential for a pesticide product to move off-site into surface water. The process now includes an improved urban evaluation component.

DPR's EM Branch is divided into three programs: the Air Program, the Ground Water Protection Program, and the SWPP. Upon receipt of an application for registration of a pesticide product, DPR's Pesticide Registration Branch (PRB) may route a submission to one or more of EM's programs for evaluation. PRB staff use the following criteria to determine when to route a submission to SWPP for evaluation:

➢ All pesticide products containing new active ingredient labeled for use outdoors in agricultural or urban settings, except:
- Microbial and biochemical pesticides
- Pheromones
- Bactericides
- Antimicrobials
- Vertebrate pest control products (repellents, rodenticides, etc.)
- Plant growth regulators
- Products intended for use in bee hives
- Insect repellants or attractants
- Products intended for use on stored foods (fruit, grain, nuts, etc.)
- Products intended for use with a bait station or trap
- Products formulated as a bait or gel, unless label directions allow outside broadcast use

- ➢ New product registrations and label amendments containing new or previously registered active ingredients if the products are:
  - Intended for direct application to water
  - Intended for use on rice
  - Antifouling paints and coatings labeled for direct application to objects in water
  - Active ingredients (e.g., fipronil) previously flagged by SWPP for further evaluation

- ➢ Any product designated by PRB Branch Chief as needing evaluation by SWPP

EM's updated simulation model contains an improved urban evaluation component in order to evaluate the urban pesticide uses for surface water protection. The improvements and modifications are mainly on simulation design and landscape design so the modeling results are further representative of California urban conditions. Below is a summary of the improvements of the revised modeling approach:

- ➢ Introduction of four types of surfaces by permeability and water sources
- ➢ Consideration of pesticide transport induced by dry-weather runoff from impervious surfaces
- ➢ Separation of impervious and pervious portions in the modeling scenarios
- ➢ Use of prescheduled lawn irrigation
- ➢ Characterization of residential and commercial/industrial areas to reflect California urban conditions
- ➢ Aggregations of water, sediment, and pesticide yields for the urban watershed

Registration evaluation with the newly developed urban model will be used on pesticide products with intended outdoor applications and potential overspray to impervious surfaces in a drainage area. Examples are residential areas, commercial/industrial facilities, and highway and road rights-of-way applications. A copy of "III Module for Urban Scenarios" is available on DPR's Web site at <http://cdpr.ca.gov/docs/emon/surfwtr/review/report3.pdf>.

If you have questions regarding the registration process, please contact Mr. Richard Spas by email at <Richard.Spas@cdpr.ca.gov> or by telephone at 916-322-9522. If you have questions regarding the evaluation of pesticides for the SWPP, please contact Mr. Nan Singhasemanon by email at <Nan.Singhasemanon@cdpr.ca.gov> or by telephone at 916-324-4122.

Original signed by   *February 24, 2015*

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Ann M. Prichard, Chief   Date
Pesticide Registration Branch
916-324-3931

cc: Mr. Richard Spas, DPR Senior Environmental Scientist (Specialist), Ombudsman
    Mr. Nan Singhasemanon, DPR Senior Environmental Scientist (Supervisory)