

Priority Urban Pesticide Use Patterns for Surface Water Quality

Use Pattern	Discharge Pathway		
	Urban Runoff	POTW	Direct to Water
Applications onto outdoor impervious surfaces (often outdoors around buildings)	X		
Outdoor building materials (often impregnated materials), such as fungicides and antimicrobials in paints and roofing	X		
Mosquito abatement	X		X
Aquatic (applied directly to surface water)			X
Drinking water system treatments	X	X	X
Swimming pool, spa, and fountain treatments (filter backwash; discharges when emptied)	X	X	
Wood preservatives (often impregnated materials)	X		X
Broadcast applications onto outdoor pervious surfaces, e.g., rights-of-way (lower priority than impervious surfaces due to lower washoff rates)	X		
Sewer line root control		X	
Marine antifouling			X
Pet flea control (shampoos, spot-on)		X	
Human body treatments (e.g., head lice and scabies shampoos/lotions)		X	
Fabric treatments (includes impregnated products) (washing, carpet shampoo)		X	
Cooling water system treatments (blowdown and other discharges)		X	
Other water system treatments (e.g., water lines, boilers)		X	
Indoor antimicrobial products & cleaners (anything involved in cleaning, any surface that can be cleaned, materials washed in washing machines or dishwashers)		X	
General indoor pest control (foggers, sprays—anything applied or deposited on a surface that is subsequently cleaned)		X	
Indoor building materials such as paints and plasters		X	