



Designation: E609 – 16

Standard Terminology Relating to Pesticides¹

This standard is issued under the fixed designation E609; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

absorption, *n*—a process in which one material (the absorbent) takes in and retains another (the absorbate).

acclimation period, *n*—the time necessary for an animal to adjust to the laboratory and specific test environments.

amphoteretic surfactant, *n*—a surface-active agent capable of forming, in aqueous solution, either surface-active anions or surface-active cations depending on the pH.

anionic surfactant, *n*—surface-active agent in which the hydrophilic portion of the molecule forms exclusively a negative ion (anion) when placed in aqueous solution.

antifreeze, *n*—a material that lowers the freezing point of a liquid formulation.

attractant, *n*—an agent that increases the attentive frequency of an organism.

avicide, *n*—a chemical used to kill, control, or cause other adverse effects on birds.

band application, *n*—an application of a pesticide to a continuous restricted area such as in or along a crop row rather than over the entire field area.

binder, *n*—a substance used in dry formulations to produce or enhance cohesion of solid particles.

broadcast application, *n*—the distribution of a material uniformly over the entire area to be treated and not just to portions of the area.

carcinogen, *n*—an agent producing or inciting cancerous growth.

carrier, *n*—(1) a gas, liquid, or solid used to propel or transport a pesticide; (2) an organism that bears an infectious agent, but that shows no marked symptoms of the disease caused by that agent.

cidaphobia, *n*—sensitivity of target animals that increases their aversion to the high mortality within the population.

chemical repellent, *n*—any substance whose odor, taste, appearance, tactile sensation, or combination thereof produces an aversion response in the target animal.

colorant, *n*—a material used to alter the color of a formulation.

contact herbicide, *n*—a chemical that kills those plant parts with which it comes into contact.

corrosion inhibitor, *n*—a material added to a product to reduce its tendency to degrade metals.

defoliant, *n*—a chemical that causes the foliage to drop from plants.

deposit, *n*—the amount of pesticide on a unit area of surface.

dermal toxicity, *n*—the toxic effect to an organism resulting from contact of the pesticide with the skin.

diluent, *n*—a gas, liquid, or solid used to reduce the concentration of an active ingredient in the formulation or application of a pesticide.

directed application, *n*—an application to a restricted area such as a row, bed, or at the base of plants.

disinfestant, *n*—an agent that kills, inactivates, or repels organisms in or on plants, animals, or inanimate objects.

dispersant, *n*—a material that inhibits the agglomeration of suspended particles by electrostatic or steric stabilization.

dose, dosage, *n*—the quantity of substance applied per unit treated or applied to or entering an organism.

drift, *n*—The physical movement of an agrochemical through the air at the time of application or soon thereafter to any non or off target site. Drift shall not include movement to non or off-target sites caused by erosion, migration, volatility or wind blown soil particles that occur after application unless specifically advertised on the label.

emulsifiable concentrate, *n*—a single-phase liquid system having the property of forming an emulsion when mixed with water.

emulsifier, *n*—see **emulsifying agent**

¹ This terminology is under the jurisdiction of ASTM Committee E35 on Pesticides, Antimicrobials, and Alternative Control Agents and is the direct responsibility of Subcommittee E35.22 on Pesticide Formulations and Delivery Systems.

Current edition approved Sept. 15, 2016. Published September 2016. Originally approved in 1978. Last previous edition approved in 2015 as E609–15a. DOI: 10.1520/E0609-16.