

US EPA ARCHIVE DOCUMENT

Data Elements Discussed by PPDC Incident Workgroup

May 2, 2017

General for Any Incident Report

Data Element	Subgroup	Description
Submitter Name	Contact Information	Name and title of the individual submitting the incident report to the EPA.
Submitter Organization		For 6(a)(2) reporting, the name of the registrant submitting the incident report. For other reporting, name of the entity (e.g., government agency, nonprofit organization, or academic institution) that is submitting the incident report to the EPA. If it is a private citizen, enter "private citizen."
Submitter Category		Category of the entity submitting the report. ("Registrant" for 6(a)(2) reports)
Submitter Address		Address of the individual reporting the incident to the Registrant or Registrant Agent.
Submitter Phone #		Phone number of the individual reporting the incident to the Registrant or Registrant Agent.
Submitter Email		Email of the individual reporting the incident to the Registrant or Registrant Agent.
Report Date		Date that the incident report was prepared.
Contact Name		Contact information for a person, other than the submitter, who may be contacted for obtaining further information on the incident. This may be the complainant, a physician, a veterinarian, or a wildlife biologist.
Incident Type	Incident Data	Type of incident, as defined by what was adversely affected (e.g., humans, domestic animals, fish and wildlife, bees, etc.) More than one type may be selected.
Reporter's Case Number		Non-OPP case number from submitter for the incident (if exists).
Incident Location		The location where the pesticide exposure is believed to have occurred. Location fields will include Town/City, County/Province, State, and Country.
GPS Coordinates		Latitude and longitude coordinate of the incident location.
Exposure Date (Start)		Date of the exposure, or if more than one day, the start date of the exposure.
Exposure Date (End)		End date range of the exposure.
Incident Date (Start)		Date of the observed adverse effects, or if more than one day, the start date of the observed adverse effects.
Incident Date (End)		End date of the observed adverse effects.

Date Comment		Use to provide information about the timing of the incident when exact dates are not known. (Example: "Early April"). May also be used for comments concerning the start and end dates.
Incident Awareness Date		Date when the registrant, or registrant agent, became aware of the incident. Not applicable to non-6a2 incident reporting.
Notification (Yes/No)		Indicates if the incident was reported to a government agency other than the EPA, such as a state government office.
Notification (Text Field)		Identifies the federal, state, or regional government office (other than EPA) that was notified of this incident.
Part of a Study?		Indicates if the incident part of a larger study? An example is ongoing monitoring studies of pesticides in ground or surface water.
Status (New or Update)		Indicates if the report is for a new incident or an update to a previously submitted incident.
Species, Common Name	Species and Number Affected	The common name of the species affected. May enter multiple values for nonhuman incidents.
Species, Scientific Name		Scientific name of the species affected.
Number Affected		The number of persons or individual organisms that were observed having the adverse effect. Enter the exact number if known, or a range if only an estimate is possible.
Estimate		Indicates if the number entered in "Number Affected" is an estimate.
Number Affected Maximum		The maximum value of a range describing the approximate number of persons or organisms that were observed having the adverse effect.
Number Affected Minimum		The minimum value of a range describing the approximate number of persons or organisms that were observed having the adverse effect.
Number Affected Comment		Text description or clarification of the number affected. This may include information on uncertainty about the number or range entered. May also provide a breakdown of the number affected by sex and/or age class (e.g. 2 adult males and 1 juvenile female).
EPA Registration No.	Pesticide Information	EPA Product Registration Number. Include the 1-6 digit manufacturer number and the 1-5 digit product identification number. Separate the two numbers with a dash. Distributor's number, if applicable, is entered separately.
Canadian Reg. No.		Canadian product registration number (for Canadian incidents only)

Product Name		Product name. Should include the complete trade name, including codes describing the formulation, and any description of pesticide type. Example: "Propazine 80W Herbicide"
Product Formulation		Formulation type of the product as purchased.
Formulation as Applied		Formulation type of the product when it was applied (e.g. diluted solution, granule, dust, etc.)
Active Ingredient		Common name of the active ingredient to which the affected person or other organism was exposed.
Active Ingredient Comment		Information on the identity of the active ingredient when the specific ingredient cannot be identified or is not on the drop-down list. Enter the ingredient name if known but is not on the list. If the ingredient identity is unknown, enter the known or suspected chemical class or classes (e.g., "carbamate" or "anticoagulant rodenticide") or enter "unknown."
Toxicity class		Signal word (Danger, Warning, or Caution) for mammalian acute oral toxicity class of the active ingredient.
Restricted Use Product		Indicates if the product is a restricted product
Application Site Category	Application Information	General category of application site (agricultural, Residential, Commercial, etc.)
Application Site		Description of the site where the pesticide product was applied. If it is an agricultural site, identify the crop. If an accidental exposure, enter the site of the exposure. If applied to an animal, enter "Animal treatment".
Application Method		Description of method used to apply the pesticide. Examples include aerial spraying, ground spraying, granular application, and bait placement.
Application method specific		Description of the specific type of method used to apply the pesticide, indicating the general type of equipment used.
Application Rate		Rate of the application of product, if known. Enter value and units.
Misuse		Yes/No/Uncertain. Indicates if the manner the product was used was in violation of the label. Including compliance with the restricted entry interval (REI)
Misuse Comment		For misuse cases, comment on evidence indicating misuse of the product.
Applicator Certification		Yes/No. Indicates if product was applied by, or under the supervision of, a certified applicator.

Incident Description	Incident Description	Description of what happened, including a general description of the suspected pesticide exposure and the adverse effects/symptoms observed. Also may include other important details not captured by the other data fields.
Incident site or exposure site		Description of the site where the person or organism was exposed to the pesticide, or if unknown, enter where symptoms, mortality, or other adverse effects were observed.
Symptom Type		Classification of the general type of symptom(s) and sign(s) of toxicity observed. May select more than one.
Symptoms Comment		Optional field to provide a more detailed description of the symptoms that correspond to the symptom type.
Treatment/Care provided		Description of treatment and/or care provided given. (Free text)
Preexisting Condition		Description of any pre-existing medical condition that might be relevant to case
Route of Exposure		Primary route of exposure of individuals affected (e.g., oral, dermal, inhalation, or ocular)
Exposure Pathway		The route of transport of the pesticide from the site of application to the affected organism (e.g., spray drift, run-off, volatilization, secondary exposure).
Lab Report Title	Lab Report	Title or description of the laboratory report(s) that the submitter attaches or enc.4 loses with the incident report submitted to the EPA.
Lab Report Number		Report number for the laboratory report.
EPA Fields	PC Code	PC Code(s) of the active ingredient(s) to which the affected person or other organism was exposed.
	Certainty	EPA's conclusion on the certainty that the ingredient caused or contributed significantly to causing the observed adverse effects. Entered for each ingredient.
	Certainty Discussion	A brief discussion of the evidence supporting the certainty level that EPA assigned to the ingredient.
	Legality	EPA's categorization on the legality of the pesticide use. Legality categories are "Registered Use," "Suspected Misuse," "Known Misuse," and "Malicious Intent." ["Malicious Intent" used for intentional targeting of affected person or non-target organism.]
	Exposure-Severity Code	Code that indicates the type of incident and the severity level of the incident.

Unique to Human Health Incident Reports

Demographic Information	Case ID	ID used in the incident report to identify individuals affected. If none are given, sequential numbers will be assigned.
	Age	The age of the individual exposed. Enter number and unit, or a general description (e.g., young adult)
	Gender	The gender of the individual exposed.
	Occupation	If the incident was occupationally related, state the occupation of the individual involved.
	Worker Protection Standard	Does the person affected fall under the worker protection standard (yes/no)
	Suicide/homicide	Yes/No. Indicate if the incident was the result of a suicide or homicide.
	Pregnancy Status	Pregnancy status of individual exposed.
Incident Description	Site of Effects	Description of the site where the where symptoms, mortality, or other adverse effects were observed.
Exposure	Exposure Activity	Description of how the product was being used at the time of the reported incident, or what the exposed individual was doing when the exposure occurred.
	Circumstances of Exposure	Description of the event that caused the pesticide exposure to humans.
	Exposure to Concentrate	Yes/No. "Yes" indicates the product is sold in a concentrated form and the incident involves exposure to the concentrate prior to dilution.
	Protective equipment (Yes/No)	Indicates if any personal protective equipment (PPE) was used by the affected person(s) at the time of the incident.
	Protective equipment	Description of the type of personal protective equipment (PPE) and protective clothing that was used or worn by the affected person(s) at the time of the incident.
	Indoor or Outdoor	Indicates if the product was used indoors or outdoors
	Time to Symptoms	Indicate how long after the incident occurred that the first signs and symptoms were noted.
Adverse Effects	Medical Care	The type of medical care or consultation sought. Examples include none, clinic, hospital emergency department, private physician, PCC (Poison Control Center), hospital inpatient.

	Workdays lost	Number of workdays lost due to the incident, if known.
	Case Outcome	Characterization of the current status or final outcome of adverse effects.

Unique to Fish and Wildlife Reports

Subgroup	Data Element	Description
Weather	Weather	Significant weather conditions at the time from the time of application to the time of observed effects.
Effect	Taxa	General Taxonomic group of animals affected (bird, mammal, fish, etc.)
	Animal Species Scientific Name	Scientific name of animal species affected.
	Endangered Species	Endangered species status.
	Life Stage	Life stage of organism affected.
	Distance	Distance the species was found from the pesticide treatment site.
	Analytical Results	Summary of laboratory results of pesticide residue and other toxicology analysis performed on tissue samples or environmental samples.
Environmental Sample	PC Code (Env.)	PC Code of the pesticide measured in analysis of tissue sample. If a pesticide degradation product or metabolite was measured, then the PC code is for the parent compound.
	Degradate Name (Env.)	Common name of the compound measured when it is a degradation product or metabolite of an active ingredient. (Note that the PC Code of the parent compound is also entered.)
	Environmental Sample Type	Type of environmental medium analyzed (water, soil, vegetation, etc.
	Environmental Concentration	Concentration of the pesticide measured in a particular sample, in parts per billion (ppb). May be expressed as a value, an inequality (e.g., "<10"), or as a character string (e.g., "+" or "1.5-3.7").
	Water pH	pH measurement(s) of water at the incident site (single value or a range).
	Water Dissolved Oxygen	Dissolved oxygen measurement(s) of water at the incident site (single value or a range), in mg/L.

Unique to Domestic Animal Reports

Subgroup	Data Element	Description
Animal Description	Case ID	ID code that identifies the case, i.e., the individual animal affected. May use the code given in the incident report, otherwise assign sequential numbers.
	Type of animal	Type of animal (Dog, Cat, Exotic Pet, Livestock, Poultry, or Other).
	Breed	Breed of animal.
	Size	Size class (small, medium, large, extra large) of animal affected.
	Weight	Weight of the animal affected.
	Sex	Sex of the animal affected.
	Age	Age of the animal affected.
	Acute or Chronic	Identify if the exposure to the pesticide was acute or chronic.
Adverse Effects	Time to Symptoms	The amount of time after the incident occurred until when the first signs and symptoms were noted.
	Case Symptoms	Written description of signs and symptoms affecting a particular individual. Include description of severity, if possible.
	Medical care provided (Yes/No)	Indicates if any medical care was provided. (Yes/no)
	Treatment/care provided	Description of treatment and care given to the animal for treatment or management of the symptoms. (Free text)
	Pre-Existing Condition	Describes any pre-existing medical condition that might be relevant to the case.
	Other medications and chemicals	Description of other medications or chemicals to which the animal was exposed.
	Management site	Site where the animal was cared for after exhibiting symptoms.
	Case Outcome	Characterization of the current status or final outcome of adverse effects.

	Domestic Animal Product	Indicates if the product is sold for use on domestic animals, such as spot on or shampoo.
	Type of application onto animal	For incidents associated with domestic animal products, provides a description of the type of application (spot, whole body, etc.)
	Contact with other treated animals	Indicates if the affected animal had contact with other treated animals.

Unique to Insect Pollinator Reports

Subgroup	Data Element	Description
Weather	Weather at application	Significant weather conditions at the time of the incident was first observed.
	Weather at incident	Significant weather conditions at the time of the chemical was applied.
	Weather source	
Application Information	Time of Application	Time of day the application was made.
Adverse Effect Information	Subspecies	Subspecies of honey bees affected (e.g., carnelian, Russian, Italian, unknown, other).
	Number of Colonies Affected	For honey bee incidents, identify the number of colonies (i.e., hives) that were affected.
	Magnitude of loss	Percent of colony that was impacted.
	Magnitude of loss method	Method used to estimate magnitude of loss.
	Crop pollinator services	Identifies if bees are used for commercial pollinator services of agricultural crops (Yes/No).
	Honey Production	Identifies if bees are used for production of a honey crop (Yes/No).
	Adult Mortality	Indicates if significant mortality of adult insects occurred (Yes/No).
	Number of adults affected	
	Larvae Mortality	Indicates if significant mortality of larvae or pupae occurred (Yes/No).
	Number of larvae affected	
	Queen Bee Mortality	Indicates if loss of the queen bee occurred (Yes/No/Not assessed).
	Dead Bee Location	Location relative to the hive where dead bees were found. (For bee kills only.)
	Spray Drift	Information on how the affected insect pollinators may have (or may not) have been affected by spray drift from upwind pesticide applications. Also include information on how this exposure was determined.
Land Use Information	Bee registry	Identify any bee registry in which the bees were registered.

	Immediate Land Use	For honey bees, description of the crop or land use type at the location of the hives. For other species, description of the crop or land use type where the affected insects were observed.
	Immediate Bloom	Indicates the level of bloom of a crop or of noncrop plants growing in the immediate land use area.
	Immediate Foraging	Indicates if the affected insect pollinators are suspected of foraging in the immediate land use area at the time of the incident.
	Nearby Land Use	Description of crops or other land use classes that are adjacent to or nearby the incident site. If foraging behavior of the affected species is known, then land uses of nearby areas where the insect may have been foraging should be identified. May enter more than one value. Include how this information was determined.
	Nearby Bloom	Indicates the level of bloom of a crop or of noncrop plants growing in the nearby land use area.
	Nearby Foraging	Indicates if the affected insect pollinators are suspected of foraging in the nearby land use area at the time of the incident.
Hive Health	Varroa Mite Load	The level of varroa mite load of the colonies during the last 4 months.
	Nosema Infection	The level of Nosema fungal infection and the controls used for the fungal disease during the last 4 months.
	Other infection	Description of any other significant infection affecting the hives, other than varroa mites and nosema fungus.
	Hive treatment	Description of any pesticide and veterinary medication applied to the hive during the past four months, and what the application was meant to treat. Include the active ingredient name and amount applied.
	Incident Investigation	Provides information on any activities that are underway to investigate the incident, including analysis of samples for pesticide residues.
	Analytical Results	Summary of laboratory results of pesticide residue and other toxicology analysis performed on bee, honey, wax, or environmental samples.

Unique to Plant Reports

Subgroup	Data Element	Description
Incident Information	Weather	Significant weather conditions at the time of the incident.
	Life Stage	Life stage of plant(s) affected.
	Distance	Distance between the affected plants and the pesticide treatment site. May be a specific distance (e.g. "200 ft") or a general description (e.g. "vicinity"). If the plant was treated directly with the pesticide, enter "treated directly."
	Analytical Results	Summary of laboratory results of pesticide residue analysis performed on plant tissue or environmental samples.
	Acres Treated	The number of acres in the affected field(s) that were treated with the pesticide associated with the incident.
	Acres Damaged	The number of acres that were treated with the pesticide in the affected field(s).
	Plant damage comment	Comments on the observed nature, extent, and uniformity of the plant damage.
Tissue Analysis	PC Code (Tissue)	PC Code of the pesticide measured in analysis of tissue sample. If a pesticide degradation product or metabolite was measured, then the PC code is for the parent compound.
	Degradate Name (Tissue)	Common name of the compound measured when it is a degradation product or metabolite of an active ingredient. (Note that the PC Code of the parent compound is also entered.)
	Tissue Sample Type	Type of tissue sample analyzed (leaves, stems, fruit, etc.)
	Number Analyzed	Number of individual organisms that comprise the sample. May be more than one for pooled samples or when results are reported only as a range.
	Tissue Concentration	Concentration of the pesticide measured in a particular sample, in parts per million (ppm). May be expressed as a value, an inequality (e.g., "<10"), or as a character string (e.g., "+" or "1.5-3.7").

