

# ENVIRONMENTAL PROTECTION AGENCY



## OFFICE OF PESTICIDE PROGRAMS (OPP)

### Incident Data System (IDS) User Guide

Version 1.0

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# 1 What is the Incident Data System (IDS)?

IDS is a website that provides relevant information for reported pesticide exposure incidents. There are two types of incident data: individual incident data and aggregate summary data. The information in this database is updated monthly.

1. Information in the IDS database includes:

- Internal Incident Number
- Incident type (adverse reaction, product defect, etc.)
- Exposure Type/Severity (animal, human, major, minor, etc.)
- Location (state, county, city)
- Product Name/Registration Number
- Ingredient Name/PC Code
- Incident Package Description text
- Incident Date
- Counts of reported incidents by exposure type (aggregate summaries)

2. Search Criteria:

This data is sufficiently different that each type of incident must be searched using different set of criteria:

Individual Incident data:

- Incident report date
- Incident type
- Incident location
- Pesticide product name and/registration number
- Active ingredient/PC Code
- Text contained in the submission
- Exposure information
- Location (State, County, City)
- Reporting date

Aggregate Summary data:

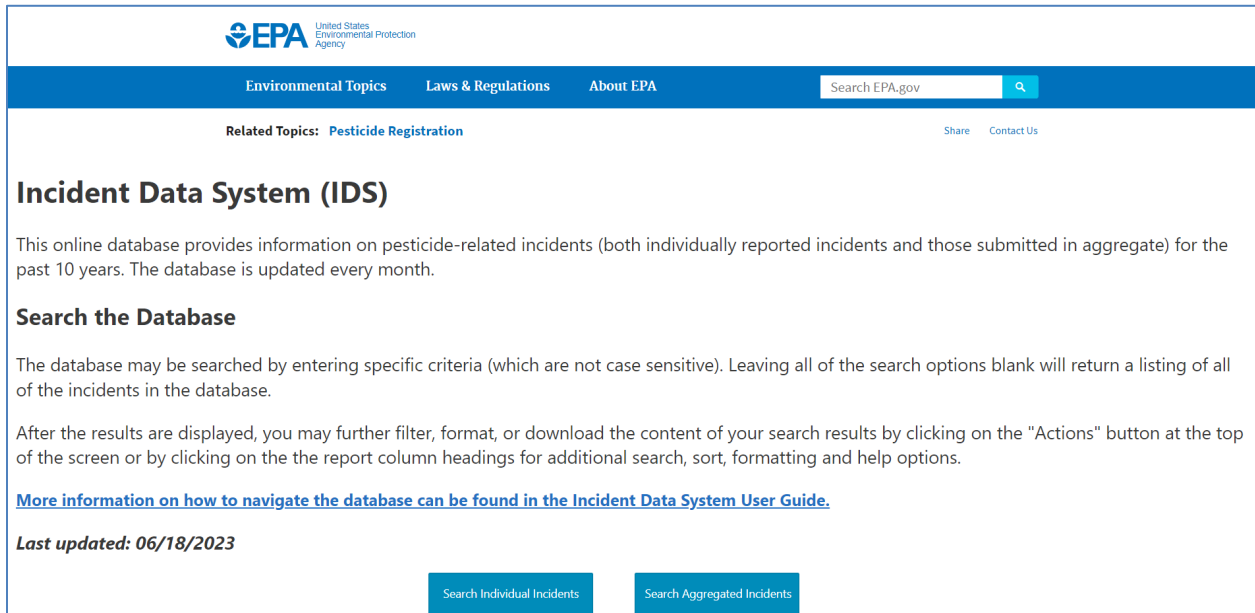
- Incident report date
- Pesticide product name and/registration number
- Active ingredient/PC Code
- Exposure information
- Reporting date

## 2 How to Access IDS

1. The Incident Data System (IDS) can be accessed at <https://ordspub.epa.gov/ords/pesticides/f?p=ids>

### 3 Initial Search Selection Page

1. Entering IDS, you will be presented with an initial page containing brief system information and a choice as to what type of incident data to search on – individual incident data or aggregate summary data (Figure 1).



The screenshot shows the EPA website's initial selection menu for the Incident Data System (IDS). At the top, the EPA logo and navigation links for Environmental Topics, Laws & Regulations, and About EPA are visible. A search bar is located in the top right corner. Below the navigation bar, the page title is "Incident Data System (IDS)" and the related topic is "Pesticide Registration". The main content area includes a brief description of the database, a "Search the Database" section with instructions on how to use the search, and two buttons at the bottom: "Search Individual Incidents" and "Search Aggregated Incidents".

**Incident Data System (IDS)**

This online database provides information on pesticide-related incidents (both individually reported incidents and those submitted in aggregate) for the past 10 years. The database is updated every month.

**Search the Database**

The database may be searched by entering specific criteria (which are not case sensitive). Leaving all of the search options blank will return a listing of all of the incidents in the database.

After the results are displayed, you may further filter, format, or download the content of your search results by clicking on the "Actions" button at the top of the screen or by clicking on the the report column headings for additional search, sort, formatting and help options.

[More information on how to navigate the database can be found in the Incident Data System User Guide.](#)

*Last updated: 06/18/2023*

Search Individual Incidents      Search Aggregated Incidents

**Figure 1 - Initial Selection Menu**

Selecting the Search Individual Incident option will present the search page for individual incidents (Figure 2).

**Search the Database**

The database may be searched by entering specific criteria (which are not case sensitive). Leaving all of the search options blank will return a listing of all of the incidents in the database.

After the results are displayed, you may further filter, format, or download the content of your search results by clicking on the "Actions" button at the top of the screen or by clicking on the the report column headings for additional search, sort, formatting and help options.

[More information on how to navigate the database can be found in the Incident Data System User Guide.](#)

**Last updated: 06/18/2023**

Incident Number:

Incident Type:

Exposure Type:

State (Abbr):

City:

County:

Product Name:

Product Number:

PC Code:

Ingredient:

Submission Description:

Incident Date - Start:

Incident Date - End:

**Figure 1 – Individual Incident Search Page**

Selecting the Search Aggregate Summaries option will present the search page for aggregate summary data (Figure 3).

**Incident Data System (IDS) - Incidents Submitted in Aggregate**

This online database provides information on pesticide-related incidents (both individually reported incidents and those submitted in aggregate) for the past 10 years. The database is updated every month.

**Search the Database**

The database may be searched by entering specific criteria (which are not case sensitive). Leaving all of the search options blank will return a listing of all of the incidents in the database.

After the results are displayed, you may further filter, format, or download the content of your search results by clicking on the "Actions" button at the top of the screen or by clicking on the the report column headings for additional search, sort, formatting and help options.

[More information on how to navigate the database can be found in the Incident Data System User Guide.](#)

**Last updated: 06/18/2023**

Incident Number:

Product Name:

Product Number:

PC Code:

Ingredient:

Exposure Type:

Incident Date - Start:

Incident Date - End:

**Figure 3 – Aggregate Summary Search Page**

1. Use the search selection area to enter values into the search fields or leave the fields blank to select all records in the database. Various combinations can be filled in to create an initial search of records in the database. The incidents returned will meet the search values specified.
  - a. **Single-value search method:** The Incident Type field and the Exposure fields can be searched by selecting a value from a dropdown select list. You can select one value by clicking on the down-arrow to the right of the search box. You will be presented with a list of valid values for that field, click on the value you want to search for to add it to the search list.
  - b. **Wildcard search method:** Most other search fields are text and can be selected using a wildcard search to locate records that have the specified search phrase in the field. Click directly in the search field box, enter the search phrase you want to search for, and press the <Enter> key. This will enter this search value into the search field. All records containing the entered text in that particular field will be included in the search results.
  - c. **The incident reporting date range** - start and stop fields can be selected by clicking on a date presented in the calendar widget, or by entering a valid date in MM/DD/YYYY format and pressing the <Enter> key. Two dates must be selected. These selections will narrow the result set to incidents that were reported within in the selected timeframe.
  - d. Click on the <Clear> button to erase your selections or left click on the <Search> button to begin your search.

**NOTE:** Selecting the search button without entering any values in the initial search will return all records in the database – the results can be filtered by the using additional filtering functions available on the results page.

Most search fields are text fields and are case insensitive. The incident number and pc\_code fields are also text fields but have a numeric format and require leading zeroes to be entered to find a match.

## 4 Incident Result Page

1. After pressing the <Search> button, you will be presented with the results page including a count of the number of returned rows depending on which type of search you performed. Figure 4 shows the result page for individual incidents and figure 5 shows the result page for aggregate summaries.

Incident Data System (IDS)

All Individual Incidents

Q  Go Rows 20  Actions

1 - 20 of 62,546

Incident Number	Incident Date	Reason for Report	Impact of Incident	Country	State	County	City	Product Registration Number(s)	Product Names	PC Codes	Active Ingredient(s)
000003-00002	03/30/2015	Adverse Reaction	PA - Plant Damage - Major	US	TX		Richmond	000228-00555-000239	Ortho Weed B Gon Weed Killer	030019	2,4-D, dimethylamine salt
000003-00002	03/30/2015	Adverse Reaction	PA - Plant Damage - Major	US	TX		Richmond	000228-00555-000239	Ortho Weed B Gon Weed Killer For Lawns	030019	2,4-D, dimethylamine salt
000599-00013	08/16/2013	Adverse Reaction	WA - Wildlife - Major	US	CA	Monterey			Carbofuran	090601	Carbofuran
000916-00002	05/16/2015	Adverse Reaction	WB - Wildlife - Minor	US	MD	Worcester			Carbofuran	090601	Carbofuran
008909-00003	06/10/2015	Adverse Reaction	WB - Wildlife - Minor		NM	Lincoln		056228-00015	M-44 Cyanide Capsules	074002	Sodium cyanide
025307-00001	06/21/2013	Adverse Reaction	HE - Human - Unspecified	US	TX		Near Beaumont	001021-01866-053853	Black Flag Fogging Insecticide Formula 2	069005, 067501	Phenothrin, Piperonyl butoxide

Figure 4 – Individual Incident Result Page



Incident Data System (IDS)

### All Aggregate Summary Incidents

Rows: 20

1 - 20 of 44,455

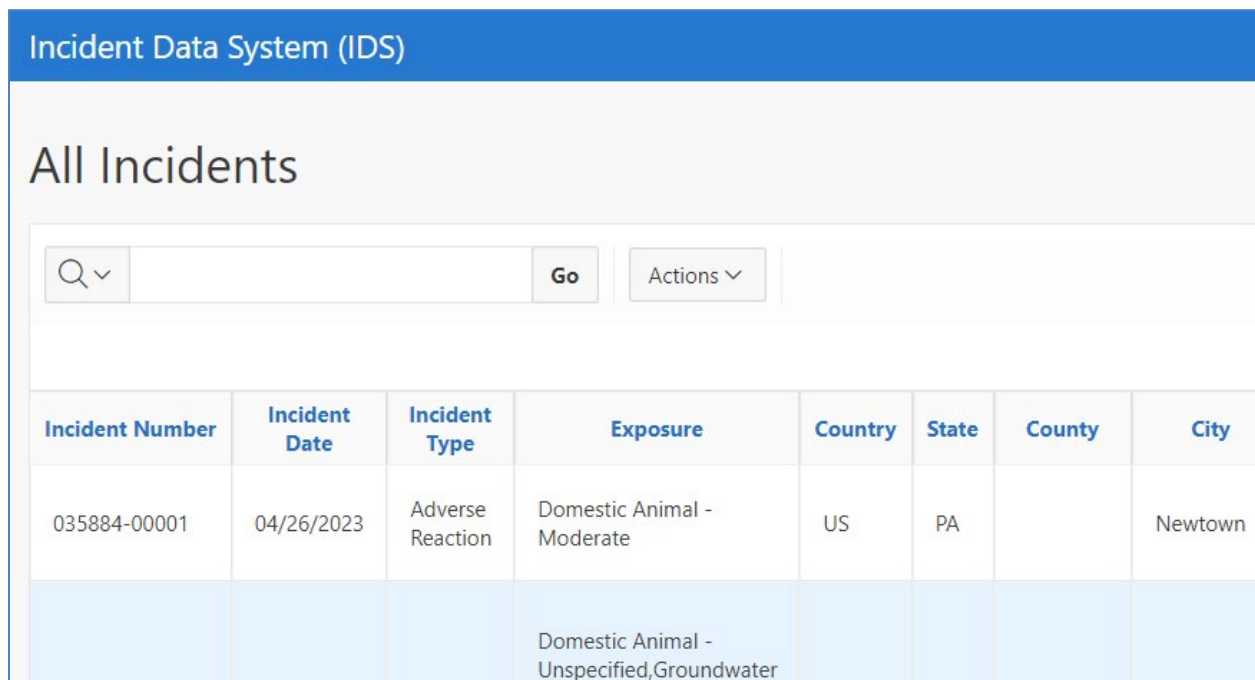
Incident Number	Submission Date	Product Number	Product Name	PC Code(s)	Active Ingredient(s)	Incident From Date	Incident To Date	Exposure Severity Code(s)	Incident Total	HD - Human Minor	HE - Human Unspecified	DA - Domestic Animal - Fatality	DB - Domestic Animal - Major	DC Dome Anim Mode
025444-00001	07/25/2013	010324-00087-075217	POOLBRAND ALGAECIDE 40	069105	Alky® dimethyl benzyl ammonium chloride *150%C14, 40%C12, 10%C16	07/15/2013	07/15/2013	HD	2	2	0	0	0	
025514-00001	08/12/2013	042750-00061	GLY STAR PLUS	103601	Glyphosate-isopropylammonium	07/15/2013	07/24/2013	HD	1	1	0	0	0	
025614-00363	08/29/2013		UNKNOWN	030001, 030501, 029801, 129046	2,4-D, MCPA, Dicamba, Mecoprop-P	04/01/2014	06/30/2014	DC	1	0	0	0	0	
025614-00364	08/29/2013		UNKNOWN	128959, 117403, 030501	Fluroxypyr, Clopyralid, MCPA	04/01/2014	06/30/2014	HD	1	1	0	0	0	
025614-00365	08/29/2013		UNKNOWN	050507, 030501, 129046	Ferrous sulfate monohydrate, MCPA, Mecoprop-P	04/01/2014	06/30/2014	DC, DD, HD	6	1	0	0	0	
025614-00366	08/29/2013		DELTAMETHRIN	097805	Deltamethrin	04/01/2014	06/30/2014	HD	1	1	0	0	0	
025614-00367	08/29/2013		BIFENTHRIN	128825	Bifenthrin	04/01/2014	06/30/2014	HD	1	1	0	0	0	
025614-00368	08/29/2013		UNKNOWN	110201, 030001, 029801, 129046	Prodiamine, 2,4-D, Dicamba, Mecoprop-P	04/01/2014	06/30/2014	DC	1	0	0	0	0	
025614-00369	08/29/2013		UNKNOWN	128994, 029801	Dithiopyr, Dicamba	04/01/2014	06/30/2014	DB	1	0	0	0	1	

Figure 5 - Aggregate Summary Result Page

- The result page is tabular set of data with rows and columns that can be further filtered, sorted, formatted, and saved to a file for further analysis.
- The next section will describe the many options to further filter, refine, and format your results.

## 5 Options Available to Modify the Result Set

1. **General Text Search Across All Fields** – In the upper-left part of the results page is a search box where text can be entered. This text can be a partial of full phrase. Clicking on the <Go> button will filter all records to only those that include the text entered (regardless of case) anywhere within the row. This step can be repeated multiple times to filter text in multiple fields until the desired results are obtained. Each search can be de-activated by clicking on the check box or removed by clicking on the 'X' next to each search box. The result set will automatically reflect the latest search criteria (Figure 4).



The screenshot shows the Incident Data System (IDS) interface. At the top, there is a blue header with the text "Incident Data System (IDS)". Below the header, the main content area is titled "All Incidents". Underneath the title, there is a search bar with a magnifying glass icon and a dropdown arrow, followed by a "Go" button and an "Actions" dropdown menu. Below the search bar, there is a table with the following columns: Incident Number, Incident Date, Incident Type, Exposure, Country, State, County, and City. The table contains two rows of data. The first row has the following values: Incident Number: 035884-00001, Incident Date: 04/26/2023, Incident Type: Adverse Reaction, Exposure: Domestic Animal - Moderate, Country: US, State: PA, County: (blank), and City: Newtown. The second row has the following values: Incident Number: (blank), Incident Date: (blank), Incident Type: (blank), Exposure: Domestic Animal - Unspecified, Groundwater, Country: (blank), State: (blank), County: (blank), and City: (blank).

Incident Number	Incident Date	Incident Type	Exposure	Country	State	County	City
035884-00001	04/26/2023	Adverse Reaction	Domestic Animal - Moderate	US	PA		Newtown
			Domestic Animal - Unspecified, Groundwater				

Figure 6 - Text Search Across All Fields

2. **Column-Specific Text Search** - Clicking on the down arrow next to the magnifying glass will provide a list of the fields available in the report (Figure 5). You can select a field, enter the search text (case insensitive), and click on the <Go> button. The result set will be filtered to only contain records that have the text contained in that field. This process can be repeated until you have selected only the records you are interested in.

Incident Data System (IDS)

## All Incidents

Q ▾ Go Actions ▾

All Columns									
Incident Number	Incident Date	Incident Type	Exposure	Country	State	County	City	Products	Product Names
035872-00001	04/26/2023	Adverse Reaction	Domestic Animal - Moderate	US	PA		Newtown	011556-00155	Seresto
035872-00001	04/24/2023	Adverse Reaction	Domestic Animal - Unspecified, Groundwater (pre 1998 reg or undetermined), Plant Damage (pre 1998 reg or undetermined)	US	MO		Benton		
035872-00001	04/22/2023	Adverse Reaction	Domestic Animal - Minor	US	KY		Lexington	011556-00155	Seresto
035862-00002	04/17/2023	Adverse Reaction	Other Nontarget	US	AZ				Pre Emerg Pendulum, Diquat
035862-00001	04/14/2023	Adverse Reaction	Wildlife - Minor	US	FL				Unknown F

Figure 7 – Column-Specific Text Search

- Column-Specific Options** – Results can be further modified by clicking on most column headings to activate column-specific options. All column options act specifically on that column’s contents and typically include search, sorting, column selection, control breaks (grouping by field values) and help text. The options window will also list a unique list of column values from which to choose (Figure 6). These options can be applied to any combination of columns to assist the user in narrowing down the returned rows to obtain the desired result set.

Incident Data System (IDS)

## All Incidents

Q  Go Actions ▾

Incident Number	Incident Date	Incident Type	Exposure	Country	State	County	City	Products
035884-00001	04/26/2023	↑ ▢ ↓ ▢ Filter... Adverse Reaction Lack of Efficacy Non-adverse Reaction Other Product Defect		US	PA		Newtown	011556-001
035870-00001	04/24/2023			US	MO		Benton	
035872-00001	04/22/2023	Adverse Reaction	Domestic Animal - Minor	US	KY		Lexington	011556-001
035862-00002	04/17/2023	Adverse Reaction	Other Nontarget	US	AZ			

**Figure 8 - Column-Specific Options**

4. **The Actions Menu** – Located to the right of the general text search box is the Actions menu (Figure 7). The Actions menu provides useful options for you to further filter, sort, format and download the query results, much the same way as the column-specific options.
  - a. **Select Columns** – lets you add, remove, and rearrange columns to be included in the result set.
  - b. **Filter** – Provides advanced row and column filtering by letting you enter multiple selections to provide fine-grained filtering of rows. Filters are additive, can be disabled by unselecting the box to the left of the filter, or removed altogether by clicking on the 'X' to the right of the filter. Clicking on the filter box will let you modify the filter conditions.
  - c. **Rows per Page** – lets you control the number of rows returned on each page.
  - d. **Format** (Figure 8) – lets you control the appearance and functionality of the result set (report) including additional sorting, creating counts, creating groupings and sub-totals, etc.

- e. **Help** – Vendor provided help on how to use the built-in features (not all features are available).
- f. **Download** – lets you download the results of the result set to either a Comma Separated Values (.csv) file, or an Excel workbook file (.xlsx) file, or a pdf document.

Incident Data System (IDS)

### All Incidents

Q  Go Actions

Select Columns

Incident Number	Incident Date	Incident Type	Exposure	Country	State	County	City	Products	Product Names
035884-00001	04/26/2023	Adverse Reaction	Domestic Moderate	US	PA		Newtown	011556-00155	Seresto
035870-00001	04/24/2023	Adverse Reaction	Domestic Unspecific (pre 1998 undetermined),Plant Damage (pre 1998 reg or undetermined)	US	MO		Benton		
035872-00001	04/22/2023	Adverse Reaction	Domestic Animal - Minor	US	KY		Lexington	011556-00155	Seresto
035862-00002	04/17/2023	Adverse Reaction	Other Nontarget	US	AZ				Pre Emergent Pendulum,Post Emergent Diquat
035862-00001	04/14/2023	Adverse Reaction	Wildlife - Minor	US	FL				Unknown Rodenticide

Figure 9 – The Actions Menu

Incident Data System (IDS)

### All Incidents

Q [ ] Go Actions [ ]

Select Columns

Filter

Country

State

County

City

Products

Product Names

Rows Per Page [ ]

Format [ ]

Sort [ ]

Control Break [ ]

Aggregate [ ]

Group By [ ]

Help [ ]

Download [ ]

Incident Number	Incident Date	Incident Type	Exposure	Country	State	County	City	Products	Product Names
035884-00001	04/26/2023	Adverse Reaction	Domestic Moderate				/town	011556-00155	Seresto
035870-00001	04/24/2023	Adverse Reaction	Domestic Unspecific (pre 1998 undetermined),Plant Damage (pre 1998 reg or undetermined)	US			Beaton		
035872-00001	04/22/2023	Adverse Reaction	Domestic Animal - Minor	US	KY		Lexington	011556-00155	Seresto
035862-00002	04/17/2023	Adverse Reaction	Other Nontarget	US	AZ				Pre Emergent Pendulum,Post Emerg Diquat
035862-00001	04/14/2023	Adverse Reaction	Wildlife - Minor	US	FL				Unknown Rodenticide

Figure 10 - Format Options

## 6 Additional Information

Conducting a search using multiple search terms from the Search page will result in incidents that meet all criteria specified in each search box (AND condition). Selecting multiple values WITHIN a particular search box (such as Exposure Type(s): will include incidents that include at least one of the selected terms (OR condition). More advanced queries can be performed by using the Action button->Filter-> Row option on the Results page to create database-like queries using nested and/or conditions. The wildcard character is '%' – so a search for a phrase can use a query statement such as fieldname like '%search phrase%'. Upper/lower case is NOT ignored, this must be accounted for when using this option.

**Tip:** When viewing the results page – which can be too wide for the screen try scrolling with the mouse or two-fingers on a touchpad – pressing the <Ctrl> key with either the = (equal sign) key, - (minus) key, or the 0 (zero) key will zoom in, zoom out, or set the text size on the screen back to 100 % respectively. This shortcut works on most popular browsers. Using the Actions button to reduce the number of rows displayed will make it easier to find the scroll bar region on the bottom of the page to allow you to more easily scroll the screen to view all column values.

## 7 Appendix A – Severity Categories Used for Pesticide Incident Reporting

When pesticide incidents are reported to EPA, they are assigned an incident “severity category.” EPA uses the severity category to indicate how much an incident may have impacted the health of humans or the environment.

It’s possible for an incident to fall into several severity categories. For example, an incident that allegedly caused serious but non-fatal effects to humans and domestic animals should fall into two categories, one to characterize the impact to humans and another for domestic animals.

EPA organizes incident severity categories by the organism or substance being impacted (human, domestic animal, fish and wildlife, plants, other non-target organisms, water contamination, or property damage) and the impact the pesticide had on the organism or substance.

### Human

Severity Category	Definition
H-A	Human Fatality
H-B	If the person alleged or exhibited symptoms that may have been life-threatening or resulted in adverse reproductive effects or in residual disability.
H-C	If the person alleged or exhibited symptoms more pronounced, more prolonged, or of a more systemic nature than minor symptoms. Usually, some form of treatment of the person would have been indicated. Symptoms were not life threatening and the person has returned to his/her pre-exposure state of health with no additional residual disability.
H-D	If the person alleged or exhibited some symptoms, but they were minimally traumatic. The symptoms resolved rapidly and usually involve skin, eye, or respiratory irritation.
H-E	If symptoms are unknown, unspecified, or are alleged to be of a delayed or chronic nature that may appear in the future.

### Domestic Animal

Severity Category	Definition
D-A	If the domestic animal died or was euthanized.
D-B	If the domestic animal exhibited or was alleged to have exhibited symptoms that may have been life-threatening or resulted in residual disability.
D-C	If the domestic animal exhibited or was alleged to have exhibited symptoms that are more pronounced, more prolonged, or of a more systemic nature



	than minor symptoms. Usually, some form of treatment would have been indicated to treat the animal. Symptoms were not life threatening and the animal has returned to its pre-exposure state of health with no additional residual disability.
D-D	If the domestic animal was alleged to have exhibited symptoms, but they were minimally bothersome. The symptoms resolved rapidly and usually involve skin, eye, or respirator irritation.
D-E	If symptoms are unknown or not specified.

## Fish or Wildlife

Severity Category	Definition
W-A	Fish: Affected 1,000 or more individuals of a schooling species or 50 or more individuals of a non-schooling species.
W-A	Birds: Affected 200 or more individuals of a flocking species, or 50 or more individuals of a songbird species, or 5 or more individuals of a predatory species.
W-A	Mammals, reptiles, amphibians: Affected 50 or more individuals of a relatively common or herding species or 5 or more individuals of a rare or solitary species.
W-A	Involves effects to, or illegal pesticide treatment (misuse) of, a substantial tract of habitat (greater than or equal to 10 acres, terrestrial or aquatic).
W-A	Involves a major spill or discharge (greater than or equal to 5,000 gallons) of a pesticide.
W-A	Involves adverse effects caused by a pesticide, to federally listed endangered or threatened species.
W-A	Involves any incident caused by a pesticide currently in Formal Review for ecological concerns (Formal Review means Special Review, Rebuttable Presumption Against Registration, FIFRA section 6(c) suspension proceeding, or FIFRA section 6(b) cancellation proceeding)
W-B	If none of the criteria in the rows above is met.

## Plants

Severity Category	Definition
P-A	The effect is alleged to have occurred on more than 45 percent of the acreage exposed to the pesticide.
P-B	If the criteria in the row above is not met.

## Other Non-target Organisms

Severity Category	Definition
ONT	If an alleged effect involves damage to non-target organisms other than fish, wildlife, or plants (for example, beneficial insects).

## Water Contamination

These categories apply to incidents involving groundwater, surface water or finished drinking water contamination.

Severity Category	Definition
G-A	If the pesticide was detected at levels greater than the maximum contaminant level (MCL) or health advisory level (HAL) or an applicable criterion for ambient water quality.
G-B	If the pesticide was detected at levels greater than 10 percent of the MCL, HAL, or a criterion for ambient water quality but does not exceed the MCL or other applicable level.
G-C	If the pesticide was detected at levels less than 10 percent of the MCL, HAL, or other applicable level, or there is no established level of concern.

## Property Damage

Severity Category	Definition
PD-A	The product is alleged to have caused damage in a manner that could have caused direct human injury, such as fire or explosion.
PD-B	The product is alleged to have caused damage in excess of \$5,000.
PD-C	Any allegation of property damage that does not meet the criteria of <a href="#">paragraphs (c)(5)(vii)(A)</a> or <a href="#">(B)</a> of this section, including cases in which the level of damages is not specified.