

US EPA ARCHIVE DOCUMENT

PPDC Incident Work Group

Meeting Minutes

March 3, 2016

Attendance

Michele Colopy Pollinator Stewardship Council, Inc.	Tom Delaney National Association of Landscape Professionals
Nichelle Harriott Beyond Pesticides	Margaret Jones EPA Region 5
Valentin Sanchez Oregon Law Center	Donnie Taylor Agricultural Retailers Association
Janette Coughlin California Dept. of Pesticide Regulation	Chelly Richards Farmworker Justice
Cindy Palmer American Birds Conservancy	John Peckham, Program Manager Minnesota Department of Agriculture
Cheryl Cleveland BASF Corp	Ray McAllister Crop Life America
Julie M. Spagnoli JM Specialty Consulting, LLC	Jeffrey Rogers Virginia Department of Agriculture and Consumer Services
Gary Wilkinson Scotts	Rick Kingston SafetyCall
Chelly Richards Farmworker Justice	OPP people in room Melissa Panger, Nick Mastrota, Shanna Recore, Bob Miller, Rich Dumas

General comments

1. There was minimal general discussion before the workgroup began its discussion of plant damage data elements.
2. Note that for general fields comments from previous discussion are retained.

Comments on Plant Damage Data Elements

Subgroup	Data Element	Description	Comments*
General Fields			
Contact Information	Submitter Name	Name and title of the individual submitting the incident report to the EPA.	Some incident reporters would like to allow anonymous reporting as some (e.g. farm workers) may not feel comfortable providing their name. This would mean making this field optional, or allowing submitter to identify themselves by entering a general title (e.g., "farm worker") when they don't want to give their name.
	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,	OK

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		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)	OK
	Submitter Address	Address of the individual reporting the incident to the Registrant or Registrant Agent.	For all contact information fields: You need to be very cautious about collecting names of individuals. CDC does not collect names and contact information of individuals (PPI) because of privacy concerns.
	Submitter Phone Number	Phone number of the individual reporting the incident to the Registrant or Registrant Agent.	OK
	Submitter Email	Email of the individual reporting the incident to the Registrant or Registrant Agent.	OK
	Report Date	Date that the incident report was prepared.	Will not be captured electronically? Submission date is automatic. Report may be prepared some time before it is submitted, so report date may be different than submission date. Make sure that you do not record duplicate records for the same incident.
	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.	1. You need to be very cautious about collecting names of individuals. CDC does not collect names and contact information of individuals (PPI) because of privacy concerns. 2. You may want to not capture PPI of contacts in this database, but instead rely on the submitter to hold that information. The user would then contact the submitter if when they need this private contact information. 3. You may want to restrict this to public information, such as contact information for the office of a physician's practice.
Incident Data	Incident Type	Plant	OK
	Reporter's Case Number	Non-OPP case number from submitter for the incident (if exists).	OK
	Incident Location	The location where the pesticide exposure is believed to have occurred. Location fields will include Town/City, County/Province, State, and Country.	Location data may pose a problem because of privacy concerns. For CDC cases, some incident reporters are unwilling to provide location information any more specific than the state level.
	GPS Coordinates	Latitude and longitude coordinate of the incident location.	1. Make optional. May have major privacy concerns for human incidents. 2. May not be important for human incidents as for ecological incidents.

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			3. May want to keep this out of the database for humans and rely on the submitter to keep this information, if it is needed.
	Exposure Date (Start)	Date of the exposure, or if more than one day, the start date of the exposure.	1. State reports usually don't include exposure date, only the incident date. 2. CDC records exposure date as well as incident date. It is important since health effects may occur well after exposure.
	Exposure Date (End)	End date range of the exposure.	OK
	Incident Date (Start)	Date of the observed adverse effects, or if more than one day, the start date of the observed adverse effects.	OK
	Incident Date (End)	End date of the observed adverse effects.	End date may not be applicable to human health incidents. The date when people no longer suffer adverse effects is generally unknown.
	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.	OK
	Incident Awareness Date	Date when the registrant, or registrant agent, became aware of the incident. Not applicable to non-6(a)(2) incident reporting.	OK
	Notification (Yes/No)	Indicates if the incident was reported to a government agency other than the EPA, such as a state government office.	OK, but you may also want to know if it was reported to a nongovernment organization (NGO), such as the Poison Control Center. May want to modify the description to include notification to NGOs
	Notification (Text Field)	Identifies the federal, state, or regional government office (other than EPA) that was notified of this incident.	1. The database should capture the date of notification and the case number as well. 2. Should include reporting to NGOs, such as the poison control center, as well as government agencies. 3. It would be important to know if an incident was reported to a health department.
	Part of a Study?	Indicates if the incident part of a larger study? An example is ongoing worker exposure studies.	1. Seems unlikely that you would get many of these incidents. 2. Does not seem like critical information. 3. If one answers "yes", then you probably would want to prompt a text field to enter a description of the study.
	Status (New or Update)	Indicates if the report is for a new incident or an update to a previously submitted incident.	OK

Subgroup	Data Element	Description	Comments*
Species and Number Affected	Species, Common Name	The common name of the species affected. May enter multiple values.	Note: some of the Species and Number Affected elements were accidentally omitted from the table distributed before the meeting.
	Species, Scientific Name	Scientific name of the species affected.	
	Number Affected	Each species that were observed having the adverse effect. Enter the exact number if known, or a range if only an estimate is possible.	It was noted that a relational database structure is needed. Much of the following fields are for a single individual. Therefore if there is more than one person affected, you would need a one-to-many relationship to capture the health data for each individual affected. This field would seldom be used for plant incidents, which are typically reported as area. However, occasionally would be relevant (e.g., ornamental plants)
	Estimate?	Indicates if the number entered in "Number Affected" is an estimate.	
	Number Affected Range	The minimum and maximum values of a range describing the approximate number of each species 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).	
Pesticide Information	EPA Registration No.	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 hyphen. Distributor's number, if applicable, is entered separately.	1. The product name may be more available than the EPA Reg. No. Needs to be optional since some reporters will not know the Reg. No. 2. Product names can be ambiguous; different products sometimes have the same name. 3. The Reg No. is preferred because incident reporters do not always report the full, precise product name. 4. It is important to know the exact label of the product used because different labels may have different labels use instructions. 5. Farm workers would find it easier to record the Reg. No. than the product name. They can get the Reg. No. from the pesticide use records.
	Canadian Reg. No.	Canadian product registration number (for Canadian incidents only)	OK

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	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"	1. Is very critical to identify the product when known. 2. The database will need relational structure to allow more than one product to be entered. 3. You may want to instruct people to enter the pesticide type when the exact product is unknown (e.g., "herbicide" or "rodenticide.") Alternatively, you may want to have a separate field for pesticide type.
	Product Formulation	Formulation type of the product as purchased.	OK
	Formulation as Applied	Formulation type of the product when it was applied (e.g. diluted solution, granule, dust, etc.)	OK
	Active Ingredient	Common name of the active ingredient to which the affected person or other organism was exposed.	Will want to make the input system auto-populate or give default values when possible. For example, once you enter the product, the active ingredients should populated automatically.
	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."	OK
	Toxicity class	Signal word (Danger, Warning, or Caution) for acute oral toxicity class of the active ingredient.	Suggested added field. Should be obtained from a look-up table based on the ingredient ID. Do we want to record the signal word or the toxicity class (I, II, III, or IV)?
	Restricted Use Product	Indicates if the product is a restricted use product	OK
Application Information	Application Site Category	General category of application site (Agricultural, Residential, Commercial, etc.)	1. Consider adding additional categories, such as "Golf Course" or "Right-of-way" (We may want to add "Recreational" for sites such as golf courses, and "Municipal" or "Government" for right-of-way sites such as roads) 2. Consider adding "Labor Camp"
	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".	OK
	Application Method	Description of method used to apply the pesticide. Examples include aerial spraying,	1. Recommend being more specific on this to include the general type of

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		ground spraying, granular application, and bait placement.	equipment used (e.g. boom sprayer, backpack sprayer, etc.) 2. We may want to use Smart Label fields for this. They have has one field for general method type and a second field for more specific type.
	Application method specific	Description of the specific type of method used to apply the pesticide, indicating the general type of equipment used.	Suggested added field.
	Application Rate	Rate of the application of product, if known. Enter value and units.	1. Add "as applied" to definition. 2. Note that this is sometimes not applicable, for example with spills or pesticide loading exposure. Modify the definition accordingly.
	Misuse	Yes/No/Uncertain. Indicates if the manner the product was used was in violation of the label.	For human health, person reporting may not have good judgement of misuse. May not be qualified. More useful when reported by registrant or state lead agency. Question if it is worth including on form filled out by general public. May need to qualify this field as "misuse as reported."
	Misuse Comment	For misuse cases, comment on evidence indicating misuse of the product.	Important
	Applicator Certification	Yes/No. Indicates if product was applied by, or under the supervision of, a certified applicator.	OK
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.	OK. Very important
	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.	Remove "or organism" for human health. Consider renaming "exposure site" Site where effects happened is also important.
	Route of Exposure	Primary the route of exposure of individuals affected (e.g., oral, dermal, inhalation, or ocular)	Need to add values that are relevant to plants (foliar exposure, root adsorption, etc.) Not important for plants. Would not give you any additional from exposure pathway.
	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).	For human incidents, change "organism" to "person"
Lab Report	Lab Report Title	Title or description of the laboratory report(s) that the submitter attaches or encloses with the incident report submitted to the EPA.	OK

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	Lab Report Number	Report number for the laboratory report.	OK
Unique Fields for Plants			
Incident Information	Weather	Significant weather conditions at the time of the incident.	Give information on the weather station and distance to site, if used as a source.
	Plant type (or form)	Category of plant that was affected. May enter multiple values.	Tree, shrub, herb, grass, vine, etc. Or: crop, ornamental, etc?
	Life Stage	Life stage of plant(s) affected.	Need to use standardization of terms. Terms would be different based on the type of plant involved. Values in list may depend on "Plant type".
	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."	Include "adjacent" as a specific term. Provide drop-down list, but allow free-text entry too ("250 ft")
	Analytical Results	Summary of laboratory results of pesticide residue analysis performed on plant tissue or environmental samples.	Would be good to show the tolerance for comparison.
	Area Treated	The number of acres or square feet that were treated with the pesticide associated with the incident.	For homeowner use, often reported in square feet rather than acres. Need to have option for entering in either unit.
	Area Damaged	The number of acres or square feet that were affected with the pesticide in the affected field(s).	For homeowner use, often reported in square feet rather than acres. Need to have option for entering in either unit.
	Plant damage comment	Comments on the observed nature, extent, , and uniformity of the plant damage.	Add. Uniformity of damage is important (spotty versus throughout the field).
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.	Change to active ingredient name (PC code looked up) *Need to also add fields for "environmental samples" for other types of measurements (soil, water, container, tank mix, etc.) May want to call it "Other samples."
	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.)	OK
	Tissue Sample Type	Type of tissue sample analyzed (liver, blood, stomach contents, etc)	Add leaves, stems, fruits, etc. Consider things other than tissue that might be.
	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.	OK
	Tissue Concentration	Concentration of the pesticide measured in a particular sample, in parts per million (ppm). May be expressed as a value, an	OK

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		inequality (e.g., "<10"), or as a character string (e.g., "+" or "1.5-3.7").	
Fields Filled by EPA			
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.	

* Comments made on general data elements in previous meetings are shown in blue text.

