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SARA Title III Farm Response Planning: Information Needed to Prepare Offsite Response Plans for Farms in Michigan

MSU Extension

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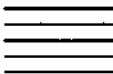
SARA TITLE III
FARM RESPONSE PLANNING:
INFORMATION NEEDED TO PREPARE
OFFSITE RESPONSE PLANS FOR FARMS
IN MICHIGAN

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A cooperative effort between:
The Michigan State University Cooperative Extension Service,
The Monroe County Emergency Management Office,
The Michigan Department of State Police — Emergency Management Division,
and
The Michigan Emergency Planning & Community Right-To-Know Commission

December 1991



This bulletin was written as a guide to standardize information gathering as related to the SARA Title III planning process for farms. Local Emergency Planning Committees (LEPCs) and emergency responders will now receive uniform data on agrichemicals stored in their jurisdiction from which to prepare emergency response plans. It is intended that this guide be used in conjunction with Extension Bulletin E-2173 "SARA Title III: The Farmer's Responsibilities under the Emergency Planning and Community Right-to-Know Law" available for \$1 at your county Extension office or the MSU Bulletin Office, 10B Agriculture Hall, MSU, East Lansing, MI 48824-1039. That bulletin explains the farmer's role in SARA Title III and provides postcards which can be filled out and returned to meet reporting requirements.

Farmers should clearly understand that while they must provide information for the preparation of the plans to their Local Emergency Planning Committee, they are not required to develop these plans. That responsibility rests with the Local Emergency Planning Committee. If the farmer has questions in completing the following pages, he/she should contact either the local extension agricultural agent and/or the Local Emergency Planning Committee. To meet the intent of SARA Title III, it is highly recommended that the farmer, Extension agricultural agent, Local Emergency Planning Committee and fire chief all work closely together to develop a plan that will help enhance safety for the farmer, farm employees, emergency responders, and the community in general. The Local Emergency Planning Committee is also encouraged to provide the farmer with a copy of the site specific plan pertaining to that farmer's operation.



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New-12-91-5M-KMF, UP 50 cents
FILE: 27.22 (Pesticides, General)

Farm Planning Information:

Name of Farm: _____	
Street Address: _____	
Municipality: _____	
Zipcode: _____	Phone Number: _____
Name of person, at your farm, in charge of emergency situation: _____	
Phone Number: _____	Alt. Emergency Phone Number: _____
Section # farm is located in: _____	Nearest crossroads: _____
Other locations farmed: _____	

1. Largest number of workers on farm, including family members, at any time: _____

2. The farm produces (check all that apply):

- | | |
|--|---|
| <input type="checkbox"/> Grain Crops | <input type="checkbox"/> Nursery/Flower Crops |
| <input type="checkbox"/> Vegetable Crops | <input type="checkbox"/> Orchard/Fruit Crops |
| <input type="checkbox"/> Livestock/Dairy | <input type="checkbox"/> Golf Courses |
| <input type="checkbox"/> Christmas Trees | <input type="checkbox"/> Other _____ |

3. Identify any of the following that are within 2 miles of your farmland (check all that apply) and give the approximate distance from your chemical storage area or main point of operation, ie. chemical mixing:

- | | |
|--|---|
| <input type="checkbox"/> School _____ | <input type="checkbox"/> Subdivision _____ |
| <input type="checkbox"/> Nursery School/Day Care _____ | <input type="checkbox"/> Prison/Jail _____ |
| <input type="checkbox"/> Nursing Home _____ | <input type="checkbox"/> Industrial Park/Area _____ |
| <input type="checkbox"/> Hospital/Medical Facility _____ | <input type="checkbox"/> Fire Department _____ |
| <input type="checkbox"/> Shopping Center/Store _____ | <input type="checkbox"/> Urban Area _____ |
| <input type="checkbox"/> Open Land _____ | <input type="checkbox"/> Woods/Forest _____ |

4. Primary water supply (check one):

Municipal

Private Well

Other, specify: _____

a. If you checked private well or other, list distance in feet from chemical storage area to well: _____ feet.

5. If you store chemicals on your farm identify and describe the type and location of the building(s) in which they are stored:

6. Where do you keep your emergency information such as chemical labels: _____

a. Person who has access to this information other than you: _____

b. Phone Number: _____

7. Please list all aboveground (include compressed gas cylinders) and underground storage tanks located at your farm (identify which type with an A or a U), the size of the tank in gallons, and what is stored in the tank.

<u>Type of Tank (U or A)</u>	<u>Size of Tank</u>	<u>Product stored in Tank</u>
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____
6. _____	_____	_____
7. _____	_____	_____
8. _____	_____	_____
9. _____	_____	_____

8. The following pages contain two tables:

Table 1 is a partial list of the EPA's Extremely Hazardous Substances list. It contains only those pesticides and fertilizers that are likely to be used in Michigan. In the space provided, please indicate any chemical you have or have had on your farm *within the last year*, by placing an X in the **Used (X) Column**. Indicate the largest number of pounds of that chemical you have or have had on your farm *within the last year* in the **Max. Lbs. Column**. If you only have or use the chemical seasonally, indicate this by placing an SP for Spring, S for Summer, F for Fall, W for Winter, or YR for year round in the **Season On-Hand Column**. Indicate whether you store the chemical by placing a Y for Yes or an N for No in the **Stored Column**. List any additional chemicals in the blank rows provided at the end of the table.

Table 2 is a list of additional pesticide active ingredients included on EPA's Extremely Hazardous Substances List. Many of the active ingredients listed on this table have been discontinued and a few are minor use pesticides, but should be reported. Complete Table 2 in the same manner as Table 1 was completed.

**Table 1: EPA Extremely Hazardous Substances
(partial list commonly used on Michigan farms)**

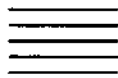
<i>Trade Name:</i>	<i>Common Name:</i>	<i>Used (X)</i>	<i>Max. Lbs.</i>	<i>Season On-Hand</i>	<i>Stored (Y or N)</i>
Aqualin	Acrolein				
Temik	Aldicarb				
Phostoxin	Aluminum Phosphide				
Anhydrous Ammonia	Ammonia				
Guthion	Azinphos-methyl				
Toxaphene	Camphechlor				
Furadan	Carbofuran				
Several	Carbon Disulfide				
Trithion	Carbophenothion				
Chlordane	Chlordane				
Cycocel	Chlormequat-chloride				
Tenoran	Chloroxuron				
Co-Ral	Coumaphos				
Acti-dione	Cycloheximide				
Systox	Demeton				
Metasystox R	Demeton-S-methyl				
DDVP, Vapona	Dichlorvos				
Bidrin	Dicrotophos				
Cygon, Defend	Dimethoate				
Premerge, Dyanap, Din	Dinoseb				
Di-Syston	Disulfoton				
Thiodan	Endosulfan				
Rid-A-Bird, Endrin	Endrin				
Mocap	Ethoprophos				
Nemacur	Fenamiphos				
Sumithion	Fenitrothion				
Dasanit	Fensulfothion				
Dyfonate	Fonofos				
Formalin	Formaldehyde				
Carzol	Formethanate Hydrochl				
Gas Only	Hydrogen Chloride				
Isotox, Others	Lindane				
Monitor	Methamidophos				
Supracide	Methidathion				
Mesurool	Methiocarb				
Lannate, Nudrin	Methomyl				
Several	Methyl Bromide				
Vorlex	Methyl Isothiocyanate				
Phosdrin	Mevinphos				
Zectran	Mexacarbate				
Azodrin	Monocrotophos				
Black Leaf	Nicotine				

<i>Trade Name:</i>	<i>Common Name:</i>	<i>Used (X)</i>	<i>Max. Lbs.</i>	<i>Season On-Hand</i>	<i>Stored (Y or N)</i>
Nicotine Sulfate	Nicotine Sulfate				
Oxamyl, Vydate	Oxamyl				
Gramoxone, Paraquat	Paraquat				
Orthophos, Phoskil	Parathion				
Pennacp-M	Parathion-Methyl				
Carbolic Acid	Phenol				
Thimet, Phorate	Phorate				
Imidan	Phosmet				
Dimecron, Phosphamidon	Phosphamidon				
Alum. Phosphide, Phos.	Phosphine				
Counter	Terbufos				
ZP, Gopha-Rid	Zinc Phosphide				

Table 2: List of Additional Pesticide Active Ingredients

<i>Trade Name:</i>	<i>Common Name:</i>	<i>Used (X)</i>	<i>Max. Lbs.</i>	<i>Season On-Hand</i>	<i>Stored (Y or N)</i>
Aldrin	Aldrin				
Allyl Alcohol	Allyl Alcohol				
Avitrol	Amino Pyridine				
Tetram	Amiton				
Amiton, Citram	Amiton Oxalate				
Fintrol	Antimycin A				
Sodium Arsenite	Arsenic Oxide				
Arsenous Oxide	Arsenous Oxide				
Caddy, Vi-Cad	Cadmium Oxide				
Pencal, Spra-Cal, T.	Calcium Arsenate				
Apachlor, Comp. 4072	Chlorfenvinfos				
Chlorine	Chlorine				
Dotan	Chlormephos				
MCA	Chloroacetic Acid				
Chloroform	Chloroform				
Actosin, Ramucide	Chlorophacinone				
Celathion	Chlorthiophos				
Racumin	Coumatetralyl				
Bacticin	Cresol				
Castrix	Crimidine				
Cyanox	Cyanophos				
Torak	Dialifor				
Chlorex	Dichloroethyl Ether				
Snip Fly Bands	Dimetilan				
DNOC	Dinitroresol				
Herbogil	Dinoterb				
Deltic, Delnav	Dioxathion				

<i>Trade Name:</i>	<i>Common Name:</i>	<i>Used (X)</i>	<i>Max. Lbs.</i>	<i>Season On-Hand</i>	<i>Stored (Y or N)</i>
Ramik	Diphacinone				
Exothion	Endothion				
Epichlorohydrin	Epichlorohydrin				
Ethion	Ethion				
Lambrol	Fluometil				
Rodex, Navron	Fluoroacetamide				
Anthio	Formothion				
Nem-A-Tak	Fosthietan				
Cyclon, Prussic Acid	Hydrocyanic Acid				
Isopropyl Formate	Isopropyl Formate				
Phosvel	Leptophos				
Cytrolane	Mephosfolan				
Calo-Chlor, Calo-Gran	Mercuric Chloride				
Yellow Oxide of Mercury	Mercuric Oxide				
MEA, Panogen	Methoxyethyl Mer. Ace.				
G-30494	Methyl Phencapton				
Raticate	Norbormide				
Disyston S	Oxydisulfoton				
Paraquat	Paraquat Methosulfate				
Emerald Green	Paris Green				
Paracetic Acid	Peracetic Acid				
PMA, Agrosan	Phenylmercury Acetate				
Cyolane	Phosfolan				
Phosphorus	Phosphorus				
Primicid	Pirimiphos Ethyl				
Aero Cyanate Weed K.	Potassium Cyanate				
Carbamult	Promecarb				
Fac, Fostion	Prothoate				
Vacor	Pyriminil				
Sodium Arsenate	Sodium Arsenate				
Kill-All, Penite	Sodium Arsenite				
Bolate, Bolls-eye	Sodium Cacodylate				
Cymag, Hydrocyanic Acid	Sodium Cyanide				
Compound 1080	Sodium Flouracetate				
Strychnine	Strychnine				
Strychnine Sulfate	Strychnine Sulfate				
Sulfur Dioxide	Sulfur Dioxide				
Sulfuric Acid	Sulfuric Acid				
TEPP, Tetron	TEPP				
Thallium Sulfate	Thallium Sulfate				
Dacamox	Thiofanox				
Zinophos	Thionazin				
Wepsyn 155	Triamiphos				
Hostathion	Triazophos				
Aquatin	Triphenyltin Chloride				
Warfarin, Rodex	Warfarin				



9. In the space provided, please draw a sketch of your farmstead. It does not need to be drawn to scale. Include the location of all buildings. The chemical storage building, storage tanks and any wells should be clearly marked. Also, show the distance to any public facility or private residence

within ½ mile. In addition, please note any fire hydrants, drains, streams, creeks, lakes, wetlands, or any other feature you feel may be important for an emergency responder to be aware of. Please indicate the closest crossroad on the sketch.

Farmstead Layout Sketch