

# **EPA      Pesticide Product Information on Microfiche A User's Guide**

(Tenth Edition)

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## INTRODUCTION

Since 1970 when the U. S. Environmental Protection Agency (EPA) was given the responsibility of regulating all aspects of pesticides, the Agency has amassed, through the registration process, an extensive computer data system on most Federally registered pesticide products. The information includes product names, manufacturers, active ingredients, tolerances for residues, and site and pest information for particular products and active ingredients.

The field of pesticide use and regulation is a dynamic area. The development of new pesticides, pest resistance problems, and EPA's restriction of the use of certain pesticides require that the pesticide community keep abreast of which pesticides are available, and which registered pesticide products contain any given pesticidal chemical.

The Program Management & Support, and Benefits and Use Divisions of the Office of Pesticide Programs (OPP) of EPA, recognizing the need to make this vast store of information available to interested individuals in the pesticide community, have developed this Pesticide Product Information on Microfiche. It is a data system designed to assist individuals in answering a wide range of pesticide-related questions, and to permit the pesticide community to make use of most of OPP's computer-based information.

This manual provides the basic information and guidance needed to use these microfiche to your advantage. Their use can save time and money in answering most pesticide-related questions.

Some problems, however, may be too complex to answer within a reasonable period of time using only the microfiche. If you run into such a problem, there are experts available to help you in the Benefits and Use Division of the Office of Pesticide Programs. They may be contacted by phone at (703) 557-3790 or by mail:

Science Support Branch  
Benefits and Use Division (TS-768-C)  
Office of Pesticide Programs  
U. S. Environmental Protection Agency  
Washington, D.C. 20460

### Microfiche -- Why?

Microfiche was selected for information dispersal because fiche is compact, lightweight, inexpensive and easily updated. The individual microfiche are strips of film about the size of a large index card. Each microfiche card contains reduced images of up to 270 full size computer pages.

The Pesticide Product Information consists of a stack of these microfiche "cards," which weighs only a few pounds. The same microfiche translated into "hard copy" would produce a stack of full size computer paper many feet high.

### Suggested Methods for Handling and Storage of Microfiche

For ease of use, microfiche should be stored in a card file with suitable index tabs or in one of the commercially available microfiche folders. The last pages of this manual supply tabs to aid in your organized storage.

Each fiche bears a title and number in its upper margin. Sets containing large numbers of fiche (e.g. Pesticide Label Data, Site/Pest/Chemical/Registration number, etc.) also indicate which segment of the data is contained on each fiche.

### Microfiche Readers -- Use and Availability

To use the microfiche, simply select the card you need (see Index to Microfiche Sets) and insert the fiche into the reader. As most readers are somewhat different, read the directions supplied with your machine to determine how to insert the fiche.

As noted earlier, each frame on the microfiche is simply a reduction of a computer page. Each page or frame is numbered in the upper right hand corner of the frame and all frames on all fiche are sequenced identically. The first frame is in the upper left hand corner and the frames run sequentially from top to bottom and left to right. After locating the correct frame and taking all necessary notations, remove the fiche and return it to its proper place.

A wide variety of microfiche readers is available. Readers vary from pocket types to large desk models with variable magnification. Microfiche reader-printers which will provide a printed page or "hard copy" of the data are also available.

Most libraries have microfiche readers or reader-printers available for public use. If you are interested in purchasing a reader, consult the yellow pages of your local telephone directory under "Microfilming Services, Equipment and Supplies."

### Accuracy and Completeness of Information

The Pesticide Product Information on microfiche does not constitute a legal document. The data in these microfiche should not be used as the final word when determining if a particular chemical is registered for a particular use. This information should be for reference purposes only. Any and all data should be verified with the source document (e.g. the registered label, etc.) before any substantive action is taken.

### Updates and Related Fiche Sets

The Pesticide Product Information on microfiche has been updated annually in April. This is the last year EPA will generate these microfiche.

A microfilmed set of all EPA-accepted pesticide labels is also being maintained. It is available on microfiche from the National Technical Information Service, Springfield, Virginia, 22161. It is used as a companion document to the Pesticide Product Information. This Compact Label File is scheduled for update on an annual basis.

### PESTICIDE PRODUCT INFORMATION

The following pages give a description of the information contained in each of these microfiche sets. Included is the manner in which the set is organized and what is to be found on a representative frame within the set.

Once you are familiar with the information contained in the system, you will see how the information from various sets can be combined to answer various pesticide-related questions.

## Index to Subsets

FICHE TITLE	NUMBER OF FICHE	REFER TO PAGE
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Pesticide Companies (ALPHABETICAL) ✓	3	8
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Tolerance File by Chemical ○	(NOT AVAILABLE)	
Tolerance File by Commodity ✓	1	9
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EPA Site Categories		11
(Complete code sequence listing) ✓	1	
Agricultural Crops (alphabetical) ✓	1	
Ornamental Plants and Forest Trees (common and scientific name listings) ✓	1	
Site Names-Preferred (numerical and alphabetical listings) ✓	1	11
EPA Pest Vocabularies		16
Aquatic and Terrestrial Weeds (common name and code sequence listings) ✓	1	
Antimicrobial Pest List (code sequence listing) ✓	1	
Insects and Other Organisms (common name listing) ✓	1	
Insects and Other Organisms (code sequence listing) ✓	1	
Plant Parasitic Nematodes (common name and code sequence listings) ✓	1	
Plant Pathogens/Economic Fungi (common name and code sequence listings) ✓	1	
Vertebrates (common name and code sequence listings) ✓	1	

II. Set B (continued)

FICHE TITLE	NUMBER OF FICHE	REFER TO PAGE
24(c) Site Table (alphabetical site name listing)	2	16
24(c) Site Table (numerical site code listing)	2	16
Pest Table (common name and code sequence listings)	1	16
Pest Name/Chemical/Registration Number	27	16
Site Name/Chemical/Registration Number		17
Herbicides	9	
Antimicrobials	6	
Insecticides	13	
Fungicides/Nematicides	6	
Rodenticides	2	
Site Name/Pest Name/Chemical/ Registration Number		17
Herbicides	166	
Antimicrobials	18	
Insecticides	178	
Fungicides/Nematicides	33	
Rodenticides	4	
Chemical/Site Name/Pest Name/Registration Number		18
Herbicides	125	
Antimicrobials	16	
Insecticides	140	
Fungicides/Nematicides	29	
Rodenticides	3	

SET A

Product Manager Assignment

Arranged by: EPA Registration Number

The Product Manager (PM) is the individual within the Registration Division of OPP who is responsible for registering pesticide products on a day-to-day basis. If specific questions arise concerning a particular pesticide product, the Product Manager for that product should be contacted.

The Product Manager for a particular product is identified in the PM Assignment microfiche. The fiche set is arranged by registration number. First find the registration number of the product then note the appropriate PM number.

The Product Manager can be contacted via the telephone numbers in the following list or by mail:

12	L. Schnaubeltr*	(703) 557-2386
15	G. LaRocca	(703) 557-2400
16	W. Miller	(703) 557-2600
17	A. Castillo*	(703) 557-2690
21	H. Jacoby	(703) 557-8226
23	R. Mountfort	(703) 557-1830
25	R. Taylor	(703) 557-1800
31	J. Lee	(703) 557-2711
32	J. Kempter*	(703) 557-7400
99	Unassigned	

PM \_\_\_\_\_.  
Registration Division  
Office of Pesticide Programs  
(TS-767-C)  
U. S. Environmental Protection Agency  
Washington, D. C. 20460

\* Acting

Pesticide Products (NUMERICAL)

Arranged by: EPA Registration Number

This set lists the product name, status code and the registration date of each pesticide product by its registration number.

Products currently registered in individual states are included and can be identified by the two-letter state designation to the left of the status code. State-registered products can be used only in that state until such time that they become registered by the EPA.



Note: The EPA registration number is composed of two sets of digits: the six digit company number to the left and the five digit product number to the right (e.g. all Shell Chemical Company products begin with 000201).

000201-00127

000201 Company Number  
00127 Product Number

Status Codes

1A - Active Product Name  
2A - Inactive Product Name  
3A - Active Additional Brand Name  
4A - Active Distributor Name  
6A - Pending Product Name

Pesticide Products (ALPHABETICAL)

Arranged by: Product Name

This set lists the same data as Pesticide Products (Numerical), but in alphabetical order by product name. If the product name is known, this fiche set will indicate the EPA Registration Number.

Pesticide Companies (NUMERICAL)

Arrange by: Company Number

This set is arranged numerically by the six digit company number and includes company names, type code, and company address.

Company Type Codes

D - Distributor  
E - Establishment  
M - Manufacturer  
S - State

Pesticide Companies (ALPHABETICAL)

Arranged by: Company Name

In this set, pesticide companies are listed in alphabetical order by company name. This set lists the same data as Pesticide Companies (Numerical).

### Chemical Cross Reference File (ALPHABETICAL AND NUMERICAL LISTINGS)

Arranged by: Chemical Name and Chemical Code

Much of OPP's pesticide data is arranged by active chemical ingredient (e.g. the Chemical/Site Name/Pest Name/Registration Number and Chemical/Registration Number microfiche sets discussed below). Since many chemical names are too long to be handled easily, EPA has assigned a chemical code number to all active ingredients. Much of the data in these sets is arranged by chemical code and not by chemical name. In order to obtain data from the microfiche files entitled Chemical/Site Name/Pest Name/Registration Number or Chemical/Registration Number, the user must first locate the EPA chemical code for the chemical in question.

The Chemical Cross Reference File (alphabetical) indicates the appropriate chemical code for each chemical. The numerical listing groups accepted chemical names, trade names, common names and synonyms for each chemical by chemical code. If the user knows the chemical code, he can learn other synonyms for the chemical in question.

no designation - EPA Accepted Chemical Name

C - Common Name

S - Synonym

T - Trade name

### Tolerance File By Chemical

Arranged by: Chemical Name

This set lists for each chemical name and agricultural commodity, the established tolerances expressed as PPM (parts per million), and the section number in the Code of Federal Regulations where additional information may be found.

### Tolerance File By Commodity

Arranged by: Commodity Name

This set lists the same data as does the Tolerance File by Chemical, but is listed by agricultural commodity and chemical name.

### Chemical/Registration Number File

Arranged by: Chemical Code

This set lists all registered pesticide products (by registration number) which contain a particular chemical (by chemical code). Note: This does not mean that the particular pesticide product found contains only one ingredient. To determine if the particular registration number in question is a mixture, consult the Pesticide Label Data fiche set (discussed below).

### Pesticide Label Data

Arranged by: Registration Number

This set lists, for each registration number, the product name, pesticide type (e.g. insecticide and miticide), chemical active ingredients, percent concentration of each ingredient, the status (see description under Pesticide Products (Numerical)), the Product Manager, the latest date that the label was accepted, and the toxicity code.

#### Toxicity Codes

- 1 - Danger
- 2 - Warning
- 3 - Caution

#### SET B

### Site and Pest Data on Microfiche

Nine microfiche subsets are provided which contain site/pest vocabulary and use pattern information. They are:

- EPA Site Categories;
- Site Names-Preferred;
- EPA Pest Vocabularies;
- 24(c) Site Tables;
- Pest Table;
- Pest Name/Chemical/Registration Number;
- Site Name/Chemical/Registration Number;
- Site Name/Pest Name/Chemical/Registration Number;
- Chemical/Site Name/Pest Name/Registration Number;

The data in the Pest Name/Chemical/Registration Number, Site Name/Chemical/Registration Number, Site Name/Pest Name/Chemical/Registration Number, and Chemical/Site Name/Pest Name/Registration Number microfiche sets were processed using a set of special computer programs. More than half of all registered pesticide products contain a mixture of two or more active chemical ingredients. Without scientific knowledge of the effects of each chemical it is frequently impossible to tell which chemical in a mixture is actually the controlling factor for the pest identified on the label, or if two or more of the active ingredients work together to control the pest. To avoid misleading listings of sites and pests for individual chemicals, pesticide chemical mixtures have their registration numbers flagged with an asterisk. No attempt has been made, however, to indicate which chemical or chemicals of a pesticide mixture is the controlling factor for the pest identified on the label.

### EPA Site Categories

Includes: Introduction, Table of Contents, Site Categories and Site Qualifiers; Alphabetized Agricultural Crops; Alphabetized Ornamental Plants and Forest Trees by common and scientific names.

The Site Categories vocabulary organizes the sites of pesticide application (e.g. beans, domestic dwellings) by code, to enable the interpretation and coding of sites from pesticide labeling. This vocabulary is designed to reflect site names organized by groups (i.e. site categories), documentation with scientific names and/or descriptive information, and the appropriate hierarchical code. The sites are further modified with coded site qualifiers (e.g. foliar application, indoor use). An explanation of the coding system can be found in its introduction.

### Site Names-Preferred

Includes: Generic site terms organized numerically by code and alphabetically by name.

The site names-preferred fiche file provides brief (one to several word) descriptions of sites defined by the site categories document. The site names-preferred plus the generic qualifiers (discussed below) compose the site terms used in this year's versions of the Site Name/Pest Name/Chemical/Registration Number, Chemical/Site Name/ Pest Name/Registration Number, and Site Name/Chemical/Registration Number data sets.

The site terms represent a generic system of site terminology. They are being used again this year to replace the 5- and 7-digit sites used in the 1981 Site/Pest/Chemical/ Registration Number and Chemical/Site/Pest/Registration Number microfiche sets. The sites will be intermediate in specificity between the old 5- and 7-digit site terms. Basically, what has been done is to group qualifier terms (position 6 and 7 of the site code) into meaningful generic clusters. For example, there are 16 qualifier terms describing treatment to growing crops in the field. These have all been condensed to one generic term, "crop/site in field". Table 1 describes how these generic qualifiers relate to the qualifiers from which they were derived. As was mentioned earlier, all sites in this year's fiche consist of a site name-preferred (e.g. apple) and a generic qualifier (e.g. crops/site in field).

Table 1. Listing of generic qualifiers by code. Within each generic qualifier, all specific qualifiers and the appropriate site categories in which they appear are listed.

<u>Generic Qualifier</u>	<u>Specific Qualifiers</u>	<u>Appropriate Site Categories*</u>
AA = crop/site in field	00 = all or unspecified	01-40
	01 = foliar treatment	01-40
	02 = soil treatment	01-40
	03 = water treatment	01-40
	08 = bait application	01-40
	09 = seed/seed piece treatment	01-40
	15 = dormant/delayed dorm/post harvest	01-40
	19 = treated wrap/taphole treatment	01-40
	23 = frill/injection treatment	01-40
	24 = basal bark application	01-40
	25 = stump treatment	01-40
	41 = no till soil application	01-40
	61 = water treatment	01-40
	62 = aquatic sites - related surfaces	01-40
	81 = general soil fumigation	01-40
	82 = spot soil fumigation	01-40
BA = seed crop	04 = seed crop - foliar treatment	01-39
	05 = seed crop - soil treatment	01-39
	06 = seed crop - water application	01-39
CA = greenhouse	10 = greenhouse - foliar treatment	01-39
	11 = greenhouse - soil treatment	01-40
	12 = greenhouse - water treatment	(01-39)
	13 = greenhouse - fumigation/aerosol/fog	01-40
DA = nursery stock/ nonbearing/transplant	16 = nursery/nonbearing	01-40
	22 = containerized plant material	01-39
EA = stored commodity treatment	07 = postharvest treatment to nonstored commodities	01-28,43
	21 = stored commodity treatment	01-28,43,44
	80 = fumigation vault treatment	01-28,43,44
	83 = fumigation treatment - nonsoil	01-28,43,44
	00 = all or unspecified	43,44
EB = stored seed treatment	18 = stored seed treatment	01-39
FA = house plant/cut plant material	14 = houseplant treatment	01-39
	20 = cut ornamental plant treatment	30-39

\* Parentheses indicate that the qualifier was never used in that site category.

Table 1 (continued)

<u>Generic Qualifier</u>	<u>Specific Qualifiers</u>	<u>Appropriate Site Categories*</u>
GA = Equipment/vehicles	34 = human shoe bath treatment	61
	35 = feeding/watering appliance treatment	50-56
	36 = animal equipment treatment	50-61
	37 = transportation vehicle treatment	01-39, 43 44, 50-58, 71-74
	39 = treatment of storage/processing equipment	01-39, 43 (44), 46, 61, 71
HA = Hospital use	71 = hospital use	50-56, 87, (97), 89
HB = Laboratory use	68 = laboratory use	74
HC = Veterinary use only	67 = veterinary use only	50-56, 60, 61, (67), 74, 86, (87)
HD = Commercial use	72 = commercial use	87
HE = Household/coin operated use	73 = household and coin operated use	87
HF = Sickroom use	74 = sickroom use	87
IA = animal treatment	00 = all or unspecified	50-56
	26 = animal treatment	50-56
IB = human treatment	66 = human treatment	74
JA = premise treatment	27 = enclosed premise treatment, nonfumigant	50-58, 61
	28 = open premise treatment	50-56
	29 = feed lot treatment	52, 53
	30 = holding pen treatment	50-56
	40 = enclosed premise fumigation treatment	50-58
JB = edible product areas	43 = indoor treatment - edible product area	58, 71-74, 77
	45 = outdoor treatment - edible product area	(58), 71-74, 77
	56 = residual spot treatment	71-74, 77
	57 = residual crack + crevice treatment	71-74, 77
JC = areas other than edible product areas	44 = indoor treatment - inedible product area	(58), 71-74, 77
	46 = outdoor treatment - inedible product area	(58), 71-74, 77
JD = storage/holding areas	17 = agricultural/nursery premises	01-39
	38 = storage areas - empty/nonexposed commodities	01-39, 43, 44, 61, 71-74
JE = food/milk contact surfaces	47 = milk contact surfaces treatment	60, 71-73
	51 = food contact surfaces treatment	45, 61, 71-73, 81, 97

Table 1 (continued)

<u>Generic Qualifier</u>	<u>Specific Qualifiers</u>	<u>Appropriate Site Categories</u>
JF = non-food/non-milk surfaces	48 = non-milk contact surfaces treatment	60, 71-73
	52 = non-food contact surfaces treatment	45, 61, 71-73, 81, 97
JG = litter/bedding treatment	31 = litter/bedding treatment	50-56
KA = manure treatment	32 = dropping treatment beneath caged birds	55
	33 = manure treatment	50-56
MA = water treatment	61 = water treatment	65
	51 = food contact surfaces treatment	65
MB = water related surface treatment	62 = aquatic sites - related surfaces	65
	01 = foliar treatment	65
	23 = frill/injection treatment	65
	24 = basal bark application	65
	25 = stump treatment	65
	52 = non-food contact surfaces treatment	65
	81 = general soil fumigation	65
	83 = fumigation treatment - nonsoil	65
NA = soil contact wood protection treatment	84 = soil contact fumigation treatment	64
	85 = soil contact nonfumigation treatment	64
NB = nonsoil contact wood protection treatment	86 = nonsoil contact fumigation treatment	64
	87 = nonsoil contact nonfumigation treatment	64

Table 1 (continued)

<u>Generic Qualifier</u>	<u>Specific Qualifiers</u>	<u>Appropriate Site Categories</u>
OA = all or unspecified	00 = all or unspecified	43-46, 58-99
	01 = foliar treatment	66-68
	02 = soil treatment	40, 66-68
	08 = bait application	45-90
	23 = frill/injection treatment	66-68
	24 = basal bark application	66-68
	25 = stump treatment	66-68
	40 = enclosed premise fumigation treatment	63, 70
	50 = nonresidual application	46, 70-72
	53 = nonresidual space treatment	46, 70-74, 77
	54 = nonresidual contact treatment	46, 70-74, 77
	55 = residual general treatment	46, 70-74, 77
	58 = indoor treatment	60, 61, 68, 71-73, 77, 88, 97
	59 = outdoor treatment	60, 61, 68, 71-73, 77, 88, 97
	63 = commercial shipyard use only	69
	80 = fumigation vault treatment	46, 60-63, (67, 68, 70, 74, 76, 86, 89, 90, 98)
	81 = general soil fumigation	67, (66, 68, 70, 90)
	82 = spot soil fumigation	(66-68, 70, 90)
	83 = fumigation treatment - nonsoil	46, 61, 63, 70, 71, 77, 89, 90, 98, (45, 50, 60, 66-68)
	88 = specialized soil treatment	74, 76, 86) (61, 66-68, 90)



#### EPA Pest Vocabularies

Includes: Introduction, Code and/or Common Name Sequences, + Appendix

The six pest vocabularies include those for aquatic and terrestrial weeds; antimicrobial pests; insects and other organisms; plant parasitic nematodes; plant pathogens, economic fungi and related organisms; and vertebrates. These vocabularies are designed to reflect common names of pests documented with scientific names and their appropriate hierarchical codes. Specific information for each vocabulary is found in its respective introduction.

#### 24(c) Site Tables

Includes: Site Name Sequence, Site Code Sequence

The site tables reflect the actual coded sites with any descriptors and qualifiers that have been interpreted from pesticide labeling, using the Site Categories vocabulary as its basis. The tables also includes a sequence code separating synonyms or subsites.

#### Pest Table

Includes: Pest Name Sequence, Pest Code Sequence

The pest table reflects the actual coded pests that have been interpreted from pesticide labeling using the pest vocabularies as its basis. The table also includes a sequence code separating synonyms.

#### Pest Name/Chemical/Registration Number

Arranged by: Pest Name - Chemical Code - Registration Number

This set is arranged by pest name. Under each pest appear the pesticide chemicals, in code order, registered to control the pest in question. Under each chemical appear the registration numbers of pesticide products containing the above pest/chemical combination. Registration numbers corresponding to products containing more than one active ingredient are preceded by an asterisk. Unasterisked registration numbers represent products that contain only the subject chemical.

Care should be exercised when interpreting information from this data set. Pest/chemical combinations containing only asterisked registration numbers should be viewed with skepticism. In the case where all registration numbers are asterisked, it is possible that the chemical in question is not efficacious for a given pest; another of the chemicals in the formulation may, in fact, be providing the control.

Site Name/Chemical/Registration Number

Arranged by: Type of Pesticide - Site Name - Chemical Code - Registration Number

This set is arranged by site name. Under each site appears the pesticide chemicals, in code order, registered for use on the site in question. Under each chemical appears the registration numbers of pesticide products containing the above site/chemical combination. Registration numbers corresponding to products containing more than one active ingredient are preceded by an asterisk. Unasterisked registration numbers represent products that contain only the subject chemical.

Care should be exercised when interpreting information from this data set. Site/chemical combinations containing only asterisked registration numbers should be viewed with skepticism. In the case where all registration numbers are asterisked, it is possible that the chemical in question is not efficacious for the pest group addressed by this report; another of the chemicals in the formulation may, in fact, be providing the control.

Site Name/Pest Name/Chemical/Registration Number

Organization: Type of Pesticide - Site Name - Pest Name - Chemical Code - Registration Number

This microfiche set contains five discipline-related subsets: herbicides, algaecides and growth regulators; antimicrobials and protozoa; insecticides, acaricides, molluscicides and antifouling compounds; fungicides and nematocides; and rodenticides and technical grade chemicals lacking pest claims. Within each discipline-related subset, the data are arranged by generic site names as interpreted from pesticide labeling. Under each site term appear the pest terms found on pesticide labeling which are associated with that site term. Under each pest term are listed the chemicals (in code order), singly or in groups of two or more as they appear in the active ingredient statements of pesticide products. Under each chemical appear the registration numbers of pesticide products containing the above site/pest/chemical combination.

The user should be warned of the potential pitfalls in the use of the generic sites. All too often, more information than just the type of treatment is lost in their use. Varietal types and synonymous or more specific site names are also lost in the transition from specific site codes to generic site name. For example, the site 640010A - "Wood Protection Treatment to Seasoned Forest Products" will not list the specific wood sites from pesticide labeling (e.g. railroad ties, lumber, poles, posts, timber, wood laundry poles, rough sawn cedar, etc.) which are listed at the specific site code level.

Chemical/Site Name/Pest Name/Registration Number

Organization: Type of Pesticide -- Chemical Code -- Site Name --  
Pest Name -- Registration Number.

The five discipline-related subsets of microfiche are the same as for the Site Name/Pest Name/Chemical/Registration Number set. The generic site name level has been dramatically streamlined. In order to avoid the complexity and confusion caused by numerous chemical combinations for a given chemical (over 400 combinations for some chemicals), all site/pest/registration number information for a given chemical is being listed under one chemical code. Each chemical therefore, is listed only once, in code order. Under each chemical appear the site terms found on pesticide labeling, in Site Name (Supraqualified) order. Under each site term appear the pest terms in Pest Name order. Under each pest term appear the registration numbers of pesticide products containing the above chemical/site/pest combination. Registration numbers corresponding to products containing more than one active ingredient are preceded by an asterisk. Unasterisked registration numbers represent products that contain only the subject chemical.

Care should be exercised when interpreting information from this data set, and chemical/site/pest combinations containing only asterisked registration numbers should be viewed with skepticism. In the case where all registration numbers are asterisked, it is possible that the chemical in question is not efficacious for a given site/pest combination; another of the chemicals in the formulation may, in fact, be providing the control.

Because each chemical is only listed once in ascending chemical order at the site name level, a chemical index to this level is not needed.

Chemicals Omitted from Site/Pest Microfiche

The following list (by chemical code) of active ingredients has been suppressed from the microfiche sets because of their being petroleum oils or solvents. Had these chemicals been included, the microfiche sets would have been much larger and much more complex.

006501 Aromatic petroleum derivative solvent  
006601 Aromatic petroleum distillate, oil, solvent or  
hydrocarbons  
006602 Heavy aromatic naphtha  
054002 Methylated naphthalenes  
063501 Kerosene  
063502 Mineral oil, mineral seal oil or white mineral oil  
063503 Petroleum distillate, oils, solvent, or hydrocarbons;  
also paraffinic hydrocarbons, aliphatic hydrocarbons,  
paraffinic oil  
086802 Xylene

### 24(c) Applications

The 24(c) applications are not included in this year's fiche set. EPA is in the process of removing the expired permits from the file.

### Quick Reference Guide to Fiche and Sample Questions

The following 2-page chart acts as a quick cross reference guide to be used in answering your pesticide-related questions. The column headers are self-explanatory and the user should work from left to right.

The sample questions will lead you through the various steps involved in answering the questions, thereby giving you an initial feel for the correct use of the fiche.

Output Fiche (used to answer Pesticide-Related questions)

USER NEEDS	USER KNOWS	FICHE USED	Accessed by
Chemical(s) and/or Registration numbers	Pest Site Site and Pest	Pest Name/Chemical/Registration No. Site Name/Chemical/Registration No. Site name/Pest name/Chemical/Registration No.	Pest name  Site Name Site name, Pest name
Registration No.(s)	Chemical, Site, and Pest  Chemical	Chemical/Site name/Pest name/Registration No.  Chemical/Registration No.	Chemical code, Site name, Pest name  Chemical code
Product name, Pesticide type, Chemistry, Status, Product manager assignment, Acceptance date, toxicity code	Registration No.	Pesticide Label Data	Registration No.
Tolerance Information	Commodity  Chemical	Tolerance file by commodity  Tolerance file by chemical	Commodity name  Chemical name
Product Manager	Registration No.	Product manager assignment	Registration No.
Registration No.	Product name	Pesticide Products (ALPHABETICAL)	Product name
Product name	Registration No.	Pesticide Products (NUMERICAL)	Registration No.
Company name and Address	Company No.	Pesticide Companies (NUMERICAL)	Company No.
Company number	Company name	Pesticide Companies (ALPHABETICAL)	Company name

Reference Fiche (Required to Access Output Fiche)

User Needs	User Knows	Fiche Used	Accessed by
Chemical Code	Chemical name	Chemical Cross Reference file (ALPHABETICAL)	Chemical name
Chemical Names (especially synonymy)	Chemical code	Chemical Cross Reference file (NUMERICAL)	Chemical code
Site Code	Site category Crop name Ornamental name Ornamental Scientific name	Site categories Agricultural Crops (ALPHABETICAL) Ornamentals - Common Name Listing - Scientific Name Listing	Site category/code Crop name Ornamental name Ornamental Scientific name
Site Names (especially synonymy)	Site name Site code	24(c) Site Table (alphabetical) 24(c) Site Table (numerical)	Site name Site code
Site Names (for Supraqualified lists)	Site code	Preferred Site terms	Site code
Ornamental Common Name	Ornamental Scientific name	Ornamental-Scientific Name listing	Ornamental Scientific name
Site Documentation	Site code	Site Categories	Site Category/Code
Pest Code	Pest name	Pest Vocabularies (ALPHABETICAL) Pest Tables (ALPHABETICAL)	Pest name Pest name
Pest Names (especially synonymy)	Pest code	Pest Vocabularies (NUMERICAL) Pest Tables (NUMERICAL)	Pest code Pest code

# SAMPLE QUESTIONS

A. What chemicals are used to control mosquitoes in the larval stage? What are the registration numbers of the products containing these chemicals?

Step 1. Use the Pest Name/Chemical/Registration Number fiche. Under the pest name MOSQUITOES (LARVAE) you will find the chemicals and the registration numbers of the products registered for the control of mosquito larvae. Keep in mind that the asterisked registration numbers contain other active ingredients as well as the chemical listed.

PEST	ACTIVE INGREDIENT(S)	PEST NAME/CHEMICAL/REGISTRATION NUMBER	PAGE	4,287
MOSQUITOES	(EGGS)	(CONTINUED)	IDMPBAG040	
034001	000228-00105	000904-00217	005285-00011	005285-00020 007401-00118
057701	003837-00031			
064801	001769-00009	002270-00168		
067301	000633-00684			
069001	000633-00684			
079009	001769-00009	002270-00168	0010627-03417	0037401-00018
MOSQUITOES	(LARVAE)		IDMPBAC047	
041801	007001-07720			
MOSQUITOES	(LARVAE)		IDMPBAC040	
004001	000633-00683	0004816-00583	0004816-00623	0004816-00631
004003	0006218-00044			
006401	000275-00043	000275-00050	00421P-00047	011273-00030 011273-00038 043362-00010
009001	004630-00002	013687-06427		
010002	000334-00237	000904-00085	000904-00138	002270-00133 003633-00149
010101	000334-00237	000334-00278	000334-00299	003633-00149

B. Is methoxychlor used on marsh lands to control mosquito larvae? What products that contain methoxychlor are registered for this purpose?

Step 1. Use the Chemical Cross Reference File (ALPHABETICAL) fiche. Find methoxychlor and note its code: 034001.

CHEMICAL CODE LIST (T=TRADE, C=COMMON, S=SYNONYM) THOSE COMPOUNDS WITH 'T' OR 'S' ARE NOT ACCEPTABLE INGREDIENTS ON A LABEL			PAGE 87
CODE	CODE NO.	PH	CHEMICAL
	097006	15	Mathopyr lone hydrochloride
	106001	23	Mathazole ( 2-((3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazol:dina-3,5-dione )
T	323300		Mathazole ( 2-((3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazol:dina-3,5-dione )
T	349200		Mathazole ( 2-((3,4-dichlorophenyl)-4-methyl-1,2,4-oxadiazol:dina-3,5-dione )
T	323300		Use code no. 106001
T	349200		Use code no. 106001
S	045501	31	Mathanamine
	100301	12	mathoxy-delta 2-1,3,4-thiadiazol:n-5-one ) (Note: delta 2 = delta superscript 2)
	100301	12	Mathidathion ( 0,0-dimethyl phosphorodithioate, S-ester of 4-(mercaptomethyl)-2-
T	100501		Mathiacarb
	090301	12	Mathoal ( S-methyl N-((methylcarbamoyl)oxy)thioacetimidate )
T	349400		Mathoal ( S-methyl N-((methylcarbamoyl)oxy)thioacetimidate )
T	349400		Use code no. 090301
	105401	17	Mathoprona ( isopropyl ((E)-11-methoxy-3,7,11-trimethyl-2,4-dodecenoate )
T	349500		Mathoprona ( isopropyl ((E)-11-methoxy-3,7,11-trimethyl-2,4-dodecenoate )
T	349500		Use code no. 105401
S	030501	23	Mathosene
S	080801	25	2-Methoxy-4,6-bis(isopropylamino)-s-triazine
	349300		2-Methoxy-4,6-bis((3-methoxypropyl)amino)-s-triazine
	034001	12	S-((2-methoxyphenyl)methylcarbamoyl)methyl 0-methyl methylphosphorodithioate
S	029801	25	Methoxychlor ( 2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane )
	119501		2-Methoxy-3,6-dichlorobenzoic acid
	092202	31	1-(8-Methoxy-4,8-dimethylnonyl)-4-((1-methyl ethyl)benzene
	051601	16	2-Methoxyethanol
C	051601	16	S-(((2-Methoxyethyl)carbamoyl)methyl) 0,0-dimethyl phosphorodithioate = sold thier
	041508		Mathoxyethylmercuric acetate
S	115801	17	3-Methoxy-4-hydroxybenzaldehyde
S	108801	23	N-(2'-Methoxy-1'-methyl ethyl)-2'-ethyl-6'-methyl-2-chloroacetanilide
C	115401	16	3-Methoxy-19-nor-17 alpha-pregn-1,3,5(10)-trien-20-yn-17-ol = mestronol
	126701		2-Methoxy-N-(2-oxo-1,3-oxazol:din-3-yl)acet-2'-,6'-oxydide
	422100		S-(5-Methoxy-4-oxo-4H-pyran-2-yl)methyl 0,0-dimethyl phosphorodithioate
S	100301	12	S-((3-Methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl) 0,0-dimethyl phosphorodithioate
	551400		3-(p-methoxyphenyl)phenyl-1,1-dimethylurea
S	015604	32	1-Methoxy-N-propenylbenzene
S	011508	31	3-(3-Methoxypropyl)-1-propanol
S	017701		2-Methoxy-3,5,6-trichlorobenzoic acid
	114404		Methyl acrylfurion
S	202600		6-Methyl acrolein
	053701	32	Methyl alcohol
S	046419	31	1-Methyl-1-ethylimidazethiol-2-ethyl imidazolium methanesulfate
	169150		Methyl allyl benzyl triamethyl ammonium chloride M(CW19 - C18431)
	222300	31	N-(1-Methyl allyl) dimethylamine M(66% C12, 34% C14)
	222600	31	N-(1-Methyl allyl) dimethylamine M(62.6% C14, 35.8% C16, 1.6% C12)
	222900	31	N-(1-Methyl allyl) dimethylamine M(45.0% C14, 44.3% C12, 10.7% C16)
S	113001	12	O-((Methylamino)carbamoyl)benzoic 3-(methylsulfonyl) 2-butanone
	030037		Mathylamine 2,4-dichlorophenoxyacetate
S	029905	25	Mathyl 3-amino-2,6-dichlorobenzoate
	205500	12	9-(Methylamino)-5,5-epoxy methylcarbamate
	054001	17	Methylated aromatic petroleum derivatives
	054002	16	Methylated naphthalenes
S	080601	17	Methyl benzene
T	089134	31	Mathylbenzothium chloride



- Step 2. Use the EPA Site Categories (Complete Code Sequence Listing). Under the site category 65 "Aquatic Sites" locate the site name for marsh land (65033 (swamps, marshes, bogs, standing water (permanent), stagnant water (permanent), wetlands, sloughs, marshland, bog lakes, etc.)).

#### AGRICULTURAL PREMISES AND EQUIPMENT

- 57 VACANT
- 58 EGG HANDLING FACILITIES AND EQUIPMENT
- 59 VACANT
- 60 DAIRY FARM MILK HANDLING FACILITIES AND EQUIPMENT
- 61 FARM OR AGRICULTURAL STRUCTURES AND EQUIPMENT (GENERAL AND SPECIALIZED)
- 62 VACANT

#### HOUSEHOLD

- 63 HOUSEHOLDS (PRIVATE OR COMMERCIAL DOMESTIC DWELLINGS AND/OR THEIR CONTENTS)

#### WOOD OR WOOD STRUCTURE PROTECTION TREATMENTS

- 64 WOOD OR WOOD STRUCTURE PROTECTION TREATMENTS

#### AQUATIC SITES

- 65 AQUATIC SITES

#### NONCROP, WIDE AREA, AND GENERAL INDOOR/OUTDOOR TREATMENTS

- 66 UNCULTIVATED AGRICULTURAL AREAS
- 67 UNCULTIVATED NONAGRICULTURAL AREAS
- 68 WIDE AREA AND GENERAL INDOOR/OUTDOOR TREATMENTS (PREDOMINANTLY FOR PUBLIC HEALTH USE)

#### ANTIFOULING TREATMENTS

- 69 ANTIFOULING TREATMENTS

- 68029 INDUSTRIAL PROCESSING WATER (X-RAY RINSE TANKS, ONE FLOTTATION WATER, LEATHER PROCESSING WATER, INDUSTRIAL WELL WATER, STORAGE TANK WATER, TEXTILE MILL WATER, ETC.)
- 68030 DOMESTIC AND COMMERCIAL NONPOTABLE WATER (WATER SOFTENER WATER, WHIRLPOOL BATH WATER, WHIRLPOOL BATH SURFACES, WATERBED WATER, ETC.)
- 68031 LAKES, PONDS, IMPOUNDED WATERS, WATERFRONTS, RESERVOIRS, BAYOLES, FARM PONDS (WITH HUMAN OR WILDLIFE USE)
- 68032 STREAMS, RIVERS, BROOKS, WATERWAYS, CHANNELLED WATER, CANALS, ETC.
- 68033 SWAMPS, MARSHES, BOGS, STANDING WATER (PERMANENT), STAGNANT WATER (PERMANENT), WETLANDS, SLOUGHS, MARSHLAND, BOG LAKES, ETC.
- 68034 INDUSTRIAL, COMMERCIAL OR OTHER LAKES, PONDS, RESERVOIRS WITH NO HUMAN, WILDLIFE OR ENVIRONMENTAL USE (LOG PONDS, ETC.)
- 68035 VACANT
- 68036 VACANT
- 68037 POLLUTED WATER
- 68038 INTERMITTENTLY FLOODED AREAS, FLOOD WATER, WOODLAND POOLS, STAGNANT WATER (TEMPORARY), WATER LATERALS, TEMPORARY ACCUMULATIONS OF WATER, STANDING WATER (TEMPORARY), PUDDLES, RAIN POOLS (TEMPORARY), RAIN BARNELS, CATCH BASINS, TREEHOLES, POT HOLES, ETC.
- 68039 SALT WATER SITES, TIDAL AREAS, TIDAL MARSHES, TIDAL WATER, ESTUARINE SITES, INTERTIDAL ZONES OF BEACHES, ESTUARIES, ETC.
- 68040 BAIT BOMBS (FLOATING) (FOR VERTEBRATE CONTROL, E.G. MUSCIES)
- 68041 LABORATORY EQUIPMENT WATER BATHS (E.G. THERMAL WATER BATHS)

#### QUALIFIERS FOR 68000 - 68999

- 00 UNSPECIFIED OR NO QUALIFIER REQUIRED
- 08 BAIT APPLICATION (INCLUDES ANY APPLICATION OF INVERTEBRATE BAITS PREPARED BY THE MANUFACTURER OR THE USER)
- 23 FRILL TREATMENT OR INJECTION OF CHEMICAL (TREE INJECTOR, HYPODERMIC, PRESSURE NEEDLE, ETC.) AT THE BOLE OF A TREE
- 24 BASAL BARK APPLICATION TO WOODY TREES AND SHRUBS (HERBICIDES, FUNGICIDES AND VERTEBRATE PESTICIDES ONLY)
- 25 APPLICATION TO STUMPS OF RECENTLY FELLED TREES TO PREVENT REGROWTH OR SPROUTING (HERBICIDES ONLY) AND TO CONTROL FUNGAL PATHOGENS (FUNGICIDES ONLY)
- 31 FOOD CONTACT SURFACES (DISINFECTANTS & FUNGICIDES)
- 32 NON-FOOD CONTACT SURFACES (DISINFECTANTS & FUNGICIDES)
- 41 WATER TREATMENT (IRRIGATION DITCHES, CANALS, SLOW FLOWING, STAGNANT, AND STANDING WATER; STREAMS; LAKES; SEWERS; SEWER LINES; WATERS; PASTEURIZER WATER; PROCESSING WATER, ETC.)
- 42 SURFACES OR AREAS RELATED TO AQUATIC SITES (E.G. POOL SURFACES, DIVING BOARDS, BITCH BARKS, BITCH BOTTOMS, SHORE AREAS, CANAL BANKS, CRATHS, GREASE TRAPS, SEWER SHAKES, SEWER ALGERS, SEWER RODS, SEWER PUMPS, BIRD BATH SURFACES, SEWAGE PLANT EQUIPMENT, SHORELINES, ARTIFICIAL SAND BEACHES, ETC.)
- 47 VETERINARY (PET SLEEPING QUARTERS, KENNELS, ANIMAL TREATMENT, ETC.)

Step 3. Use the Chemical/Site Name/Pest Name/Registration Number fiche for insecticides. Locate methoxychlor on the fiche and then look under the site name swamps, marshes, bogs, and standing water (permanent)/ pest name mosquito (larvae) combination and locate the product registration numbers.

CHEMICAL(S) SITE NAME-CODE	PEST NAME-CODE	CHEMICAL/SITE NAME/PEST/REGISTRATION NUMBER (INSECTICIDES)						PAGE	6,530 PRODUCT COUNT
004001									(CONTINUED)
	RICE MEAL								INABRAG10
		000476-00104	0043709-00003	0043709-00003					3
	SANTOBIETHO BRASH BATTLE								INABRAG10
		000476-00104	0043709-00003	0043709-00003					3
	SWAMPS, MARSHES, BOGS, AND STANDING WATER (PERMANENT)		(ALL OR UNSPECIFIED)				000328A000		
	PROSLUTIES		(ADULT)						INABRAG10
		000415-00000							1
	PROSLUTIES		(LARVAE)						INABRAG10
		000270-00010	003743-00343	003905-00404	003905-00405	041014-00002	030415-00020	030415-00062	7
	SWAMPS, MARSHES, BOGS, AND STANDING WATER (PERMANENT)		(WATER RELATED SURFACE TREATMENT)				030337B000		
	FLIES (PROSLUTIES)								INABRAG10
		0043934-00036							1
	PROSLUTIES		(LARVAE)						INABRAG10
		000633-00742	000390-00407	0034704-00102	0034704-00110	0034704-00005	0043934-00036		6
	SWAMPS, MARSHES, BOGS, AND STANDING WATER (PERMANENT)		(WATER TREATMENT)				030337A000		
	FLIES								INABRAG10
		0001700-00137	0006434-00003	0010627-00047					3
	PROSLUTIES								INABRAG10
		0001367-00001	0001700-00137	0006434-00003	003424-00134	003427-00023	0011094-00014		6
	PROSLUTIES		(ADULT)						INABRAG10
		030415-00000							1
	PROSLUTIES		(BOGS)						INABRAG10
		007401-00110							1
	PROSLUTIES		(LARVAE)						INABRAG10
		000270-00010	000475-00741	002995-00340	003743-00343	005205-00011	005205-00010	003905-00404	
		003905-00405	007401-00110	0006434-00003	0010068-00077	0010627-00047	0034704-00103	0034704-00110	
		030337A000	030337B000	041014-00002	047916-00014	030415-00020	030415-00062		20
SWEET PEAS			(CROP/SITE IN FIELD)				21197A0000		

**Step 4.** For more specific product information, use the Pesticide Label Data fiche and look for the product registration numbers found in step 2.

N1

(00270) REGISTRENT NUMBER 00270      \*\*\*\* PRODUCT SEARCH LISTING \*\*\*\*

PEL:ICIDE LABEL DATA

PAGE      021

PRODUCT NUMBER AND NAME	APDATE	APPL	DATE	TOXICITY
00019 NEASARA METHOMYL OR 5 GRAMMAR INSECTICIDE	042771	12	0471	4
• TYPE: 30 INSECTICIDE AND PESTICIDE				
• FORM: 04 GRAMMAR				
• INGREDIENTS:				
00019 5.0000 Methomyl (2,2-bis(4-methoxyphenyl)-1,1,1-trichloroethane)				
00020 THION 8 EC	000771	16	0501	1
• TYPE: 30 INSECTICIDE AND PESTICIDE				
• TYPE: 77 UNCLASSIFIED				
• FORM: 12 EVALUABLE CONCENTRATE (EC OR E)				
• INGREDIENTS:				
00020 01.0000 Thion (0,0,0'-tetraethyl S,S'-methylene dithiophosphorodithioate)				
00021 DITHIOPATE 267 SYSTEMIC INSECTICIDE	041175	16	0901	2
• TYPE: 30 INSECTICIDE AND PESTICIDE				
• TYPE: 77 UNCLASSIFIED				
• FORM: 12 EVALUABLE CONCENTRATE (EC OR E)				
• INGREDIENTS:				
00021 30.3000 Dithiophate (0,0-dimethyl S-((methylcarbamoyl)methyl) phosphorodithioate)				
00022 THIDAN 2 FURFURENE 0.3-0.05 EC	072270	13	0301	2
• TYPE: 30 INSECTICIDE AND PESTICIDE				
• TYPE: 77 UNCLASSIFIED				
• FORM: 12 EVALUABLE CONCENTRATE (EC OR E)				
• INGREDIENTS:				
00022 0.3700 Piperonyl butoxide (butylcarbitylX6-propylpiperonyl) ether 80% and related compounds 20%				
000001 1600 Pyrethrin I				
079401 25.0000 Etofenprox (hexachlorocyclohexene-2,4,5-tricarboximethoxy-3-one)				
000003 05.0000 Xylene range aromatic solvent				

Step 5. The name and address of the registrants are found in the Pesticide Companies (NUMERICAL) fiche. The registrant of product 279-2819 is FMC Corp.

PESTICIDE COMPANIES (NUMERICAL)						PAGE	2
TYPE NUMBER	REGISTRANT	STREET	CITY&STATE	ZIP			
M 000189	VRL-A COMPANY	700 W. ROOST ST	CHICAGO, ILLINOIS	60604			
M 000192	DEKAL INDUSTRIES	1450 W 22ND ST	TORRANCE CA	90501			
M 000193	MONROE CHEMICAL CORP	249 CANAL RD PETH WARDEN IND PARK	FAIRLESS MILLS, PA	19030			
M 000198	ALLEN-CROWL COMPANY	1559 AL:ENTOWN ROAD PO BOX 627	LITPA OH	43834			
M 000200	GLIDDEN-OLIVER DIV. SCM-CORP	900 UNION COMMERCE BLDG	CLEVELAND, OH	44115			
M 000201	SHELL CHEMICAL COMPANY	1025 CONNECTICUT AVE N.W. SUITE 200	WASHINGTON, D.C.	20036			
M 000211	CENTRAL CHEMICAL COMPANY INC	3130 BIRTHINGHOFF RD	KANSAS CITY KS	64115			
M 000218	ALLIED CHEMICAL CORPORATION	COLUMBIA ROAD & PARK AVENUE	MORRISTOWN, NEW JERSEY	07960			
M 000221	RESEARCH W J LABORATORIES INC	PLEASANT VIEW RD	PLEASANT VALLEY NY	12569			
M 000223	DEFAZE COMPANY	130 CENTRAL AVE	HOLLAND MI	49423			
M 000224	PHILLIPS PETROLEUM COMPANY	8 AS PHILLIPS BUILDING	SHARLESVILLE OH	43081			
M 000226	TOBACCO STATES CHEMICAL COMPANY	PO BOX 13094	LEXINGTON, KY	40500			
M 000228	RIVERDALE CHEMICAL CO	220 E 17TH ST	CHICAGO HEIGHTS IL	60411			
M 000230	FMC CORPORATION	2000 MARKET ST.	PHILA. PA	19103			
M 000237	PLUSHROOM SPLY COMPANY	RD STREET	TOLAND-NEWTON MA	19374			
M 000239	CHEVRON CHEMICAL COMPANY	940 HEDLEY STREET	RICHMOND CA	94804			
M 000240	DAILY HEARING COMPANY	P.O. BOX 428	EDINBURGH, N. C.	28031			
M 000241	AMERICAN CYANAMID COMPANY	BOX 900	PRINCETON NJ	08540			
M 000247	LINCOLN RESEARCH INC	108 CHURCH	JAYTON, OHIO	43334			
M 000255	AMERICAN FLUORIDE CORP	17 MARYTOWN PLACE	NEW ROCHELLE NY	10801			
M 000257	CELLO CORPORATION	1354 OLD POST ROAD	HAVER DE CANOE MD	21078			
M 000259	MISSOURI KANSAS CHEMICAL COMPANY	1308-18 CAMPBELL	KANSAS CITY MO	64108			
M 000264	UNION CARBIDE AGRICULTURAL PRODUCTS CO.	P.O. BOX 12014-T.M. ALEXANDER DRIVE	RESEARCH TRIANGLE PARK, N	27709			
M 000265	COOPERATIVE GLF EXCHANGE SOIL	BLDG DIVISION	ITHACA NY	14850			
M 000266	HILL BROTHERS CHEMICAL CO.	ONE CITY BOULEVARD WEST, SUITE 1521	GRANEE, CA.	92444			
M 000267	OLD 97 COMPANY	BOX 5207	TAMPA FL	33635			
M 000269	STERMINATOR PROD CORP	165 MONTICELLO AVE	JERSEY CITY NJ	07304			
M 000270	PANAMA COMPANIES INC	2230 EAST WRENCHIA	PHOENIX, ARIZONA	85036			
M 000271	INTERNATIONAL MINERALS & CHEMICAL CORP	BOX 207	TEANE HAUITE, IN	47808			
M 000274	TRAGER MFG COMPANY INC	1200 WHEELER AVENUE	SCRANTON PA	18510			
M 000275	ABBOTT LABORATORIES	14TH AND SHERIDAN RD.	NORTH CHICAGO ILLINOIS	60064			
M 000276	SANFORD SUPPLY CO	160 WEST SPETH ST.	CORRY PA.	16407			
M 000278	KIRKE PRODUCTS & CHEMICAL COMPANY	P.O. BOX 486	DAYTON OH	45401			
M 000279	FMC CORP.	2000 MARKET STREET	PHILADELPHIA, PA.	19103			
M 000283	GREEN LABORATORIES	8931 S. VERMONT AVE.	LOS ANGELES, CALIFORNIA	90044			
M 000295	COMMERCIAL CHEMICAL COMPANY	P.O. BOX 1275	REYNOLDS, TN	38107			
M 000299	MARTIN C J COMPANY	608 W MAIN ST P.O. BOX 1089	WINDROCKES TX	75461			
M 000303	MARTINGTON LABORATORIES, INC.	868-970 EAST TIPTON ST.	MARTINGTON IN	46760			
M 000305	WISCONSIN PHARMAL INC.	6799 N. INDUSTRIAL RD.	PELLABEE, ME	05223			
M 000308	SAFETY FLUORANT COMPANY	197 BEAL ST	KEENEVA PA	08043			
M 000318	RUSSELL GERALD S	26-16 30TH ST	WINDSIDE LI NY	11571			
M 000322	FORT DODGE CHEMICAL COMPANY	2114 8TH AVE. SOUTH	FORT DODGE IA	50501			
M 000323	MOLCOMP J I RESEARCH LABORATORIES	4415 ECLIFF AVE	CLEVELAND, OHIO	44103			
M 000326	SPRAY INC	P.O. BOX 3 APPRE	EAST BRIDGE NJ	07017			
M 000327	TEXAS PHENOTHIAZINE COMPANY	2021 N GRACE STREET	PT MOUTH TX	76106			
M 000328	GETEM MANUFACTURING CO., INC.	1261 W. 42ND STREET	NEWARK, VA.	23408			
M 000333	DIXIE CHEM PRODUCTS CO LTD	2213 5TH AVENUE SOUTH	STROUDSBURG AL	36400			
M 000334	HYLAN CORPORATION	919 W 18TH ST	CHICAGO IL	60609			
M 000335	PERMULY CORPORATION	3 PARKWAY	PHILADELPHIA PA	19108			
M 000336	WALGREEN LABS INC	200 MELBY RD	DEZAY ILL.	60015			
M 000337	LESTER LABORATORIES	2370 LAWRENCE STREET	ATLANTA GA	30304			
M 000341	BEARING CHEMICAL COMPANY	2701 NW 20TH AVE	PORTLAND OR	97209			
M 000343	CASTLE CHEMICAL COMPANY	12905 EDWARDS AVE SOUTH	BRIDGE PA	58378			

C. What chemicals are registered for use on swamps, marshes, bogs, and standing water to control adult mosquitoes?

Step 1. Use the Site Name/Pest Name/Chemical/Registration Number fiche for insecticides. Locate site name swamps, marshes, bogs, and standing water (permanent) and then pest name mosquitoes (adult). The chemicals registered for this use will be listed in chemical code order, first listing the single active ingredient products and then those products that are chemical mixtures.

→ MOSQUITOES

(ADULT)

10099AJOHO

SITE NAME-CODE	PEST NAME-CODE	SITE NAME/PEST/CHEMICAL/REGISTRATION NUMBER (INSECTICIDES)	03/08/84	PAGE 42.113	PRODUCT COUNT		
SWAMPS, MARSHES, BOGS, AND STANDING WATER (PERMANENT) (CONT.)	MOSQUITOES (CONT.)	(ALL OR UNSPECIFIED) (ADULT)	650330A000	10099AJOHO			
(01)034001		Mathesychlor ( 2,2-bis(p-mathesychlorophenyl)-1,1,1-trichloroethane )					
050415-00028					1		
(01)053301		Fenithion ( 0,0-dimethyl 0-(4-(methylthio)-m-tolyl) phosphorothioate )					
003125-00073	003125-00148				2		
(01)090401		4-Benzothiazyl methylcarbonate					
005187-00015					1		
(01)097801		Resmethrin ((5-phenylmethyl)-3-furanyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate )					
008612-00071					1		
(02)087501		Piperonyl butoxide ( (butylcarbityl)(6-propylpiperonyl) ether 80% and related compounds 20% )					
089001		Pyrethrin I					
000491-00234	001021-01199	002270-00644	004816-00453	009250-00012	009591-00054	025026-00006	7
MOSQUITOES		(LARVAE)			10099AJOHO		
(01)006401		Bacillus thuringiensis (Berliner) 25 billion viable spores of B. thuringiensis Berliner per gram of product; 16,000 International units of activity contained in each milligram of product.					
043362-00017						1	
(01)034001		Mathesychlor ( 2,2-bis(p-mathesychlorophenyl)-1,1,1-trichloroethane )					
000279-02819	003743-00342	005905-00404	005905-00405	041014-00002	060415-00028	060415-00462	7
(01)053301		Fenithion ( 0,0-dimethyl 0-(4-(methylthio)-m-tolyl) phosphorothioate )					
000802-00336	000802-00411	000802-00491	000904-00278	000904-00384	000904-00385	000904-00054	
000998-00063	000998-00117	001145-07135	001258-01032	001258-01035	002935-00355	002935-00356	
003051-00056	003051-00057	003125-00075	003125-00085	003468-00012	005481-03846	006421-00038	
007001-00151	007001-07702	007001-07764	007273-00063	008590-00397	008590-00398	010088-00018	31
011736-00009	015887-04990	037347-03118					
(01)057701		Malathion ( 0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate )					
000904-00153	000904-00296	001421-00179	004185-00118	006830-00089	006830-00074	008612-03445	31
014107-09343	015575-05330	034704-00003	042463-00033				
(01)059001		Temephos ( 0,0'-(thiodi-4,1-phenylene) bis(0,0-dimethyl phosphorothioate )					

Pesticide Product Information System

Corrections and/or Comments

In order to provide more accurate and more useful pesticide product information, we would welcome any corrections and/or comments you may have while using these fiche.

Please mail comments to:

Science Support Branch  
Benefits and Use Division (TS-768-C)  
Office of Pesticide Programs  
U. S. Environmental Protection Agency  
401 M Street, SW  
Washington, D. C. 20460

### Filing of the Microfiche

The following 38 cut-out tabs are attached to facilitate the filing of your fiche sets. Because of the predetermined dimensions of the fiche, it is suggested that you use 4x6 inch file cards (arranged vertically); attach the tabs with rubber cement to the top (narrow) edge of each card.

Each tab is titled to reflect the fiche set(s) that follow it. It is recommended that the envelopes used to package the fiche be discarded as the fiche are removed and filed. Each set of fiche will have its title atop each fiche page. It is recommended that the file arrangement parallel that used in the listing on pages 5-7.

A variation on this filing system might group all of the site/chemical/registration number, site/pest/chemical/registration number, and chemical/site/pest/registration number fiche by the various disciplines (e.g. herbicide site name/chemical/registration number followed by herbicide site name/pest name/chemical/registration number followed by herbicide chemical/site name/pest name/registration number).