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Agency

Office of
Pesticide Programs
Washington D.C. 20460

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Pesticide Product Information on Microfiche A User's Guide

(EIGHTH EDITION)

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Manual prepared by:

Benefits and Use Division
Office of Pesticide Programs
U. S. Environmental Protection Agency
April 1983

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) 557-7498 or by mail:

Science Support Branch
Benefits and Use Division (TS-768)
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 weigh 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 is updated annually in April.

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

	NUMBER OF FICHE	REFER TO PAGE
FICHE TITLE		
I. Set A		
Product Manager Assignment	2	8
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Tolerance File by Chemical	1	10
Tolerance File by Commodity	1	10
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EPA Site Categories		12
(Complete code sequence listing)	1	
Agricultural Crops (alphabetical)	1	
Ornamental plants and Forest trees (common and scientific name listings)	1	
Preferred Site Terms (Numerical and Alphabetical listings)	1	12
EPA Pest Vocabularies		17
Aquatic and Terrestrial Weeds (common name and code sequence listings)	1	
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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	
Protozoa (code sequence listing)	1	
Vertebrates (common name and code sequence listings)	1	

II. Set B (continued)

FICHE TITLE	NUMBER OF FICHE	REFER TO PAGE
Site Table		17
(alphabetical site name listing)	2	
(numerical site code listing)	2	
Pest Table		
(common name and code sequence listings)	1	17
Pest Name/Chemical/Registration Number	27	17
Site Name (Supraqualified)/Chemical/Registration Number		18
Herbicides	8*	
Antimicrobials	5	
Insecticides	13*	
Fungicides/Nematicides	6	
Miscellaneous (Rodenticides/No Pest)	2	
Site Name (Supraqualified)/Pest/Chemical/ Registration Number		18
Herbicides	152*	
Antimicrobials	18	
Insecticides	165*	
Fungicides/Nematicides	32	
Miscellaneous (Rodenticides/No Pest)	3	
Site Code/Pest Code/Chemical/Registration Number		18
Herbicides	233	
Antimicrobials	25	
Insecticides	207	
Fungicides/Nematicides	39	
Miscellaneous (Rodenticides/No Pest)	4	
Chemical/Site Name (Supraqualified)/Pest/Registration Number		20
Herbicides	117*	
Antimicrobials	17	
Insecticides	129*	
Fungicides/Nematicides	28	
Miscellaneous (Rodenticides/No Pest)	3	

*estimated

II. Set B (continued)

FICHE TITLE	NUMBER OF FICHE	REFER TO PAGE
Chemical/Site Code/Pest Code/Registration Number and Chemical Index		20
Herbicides	164	
Chemical Index	1	
Antimicrobials	17	
Chemical Index	2	
Insecticides	134	
Chemical Index	2	
Fungicides/Nematicides	29	
Chemical Index	1	
Miscellaneous (Rodenticides/No Pest)	4	
Chemical Index	1	
24C Applications by State	37	21
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Chemical/Site Code/Pest Code/24C Permit No.	16	21
Site Code/Pest Code/Chemical/24C Permit No.	23	21

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	J. Ellenberger	(703) 557-2386
15	G. LaRocca	(703) 557-2400
16	W. Miller	(703) 557-2600
17	T. Gardner	(703) 557-2690
21	H. Jacoby	(703) 557-1900
23	R. Mountfort	(703) 557-1830
25	R. Taylor	(703) 557-1800
31	J. Lee	(703) 557-3663
32	A. Castillo	(703) 557-3965
99	Unassigned	

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

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)

Arranged 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/Pest/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 for every active ingredient. 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/Pest/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

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

- EPA Site Categories;
- Preferred Site Terms;
- EPA Pest Vocabularies;
- Site Table;
- Pest Table;
- Site Name (Supraqualified)/Chemical/Registration Number;
- Pest Name/Chemical/Registration Number;
- Chemical/Site Code/Pest Code/Registration Number;
- Chemical/Site Name (Supraqualified)/Pest/Registration Number;
- Site/Pest/Chemical/Registration Number;
- Site Name (Supraqualified)/Pest/Chemical/Registration Number;

The data in the Site/Chemical/Registration Number, Pest/Chemical/Registration Number, Chemical/Site/Pest Registration Number, and Site/Pest/Chemical/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 are listed in their entirety wherever they occur on the Chemical/Site code/Pest code/Registration Number, and Site code/Pest code/Chemical/Registration Number microfiche. 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.

Preferred Site Terms

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

The preferred site terms fiche file provides brief (one to several word) descriptions of sites defined by the site categories document. The preferred site terms plus the supraqualifiers (discussed below) compose the supraqualified site terms used in the generic site versions of the Site/Pest/Chemical/Registration number, Chemical/Site/ Pest/Registration number, and Site/Chemical/Registration Number data sets.

The Supraqualified sites 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 Supraqualified 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 called supraqualifiers. For example, there are 16 qualifier terms describing treatment to growing crops in the field. These have all been condensed to one supraqualifier term, "crop/site in field". Table 1 describes how the supraqualifiers relate to the qualifiers from which they were derived. As was mentioned earlier, a supraqualified site consists of a preferred site term (e.g. apple) and a supraqualifier (e.g. crops/site in field).

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

<u>Supraqualifier</u>	<u>Applicable Qualifier</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>Supraqualifier</u>	<u>Applicable Qualifier</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>Supraqualifier</u>	<u>Applicable Qualifier</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>Supraqualifier</u>	<u>Applicable Qualifier</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)
		74, 76, 86)
	88 = specialized soil treatment	(61, 66-68, 90)

EPA Pest Vocabularies

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

The seven pest vocabularies include those for aquatic and terrestrial weeds; antimicrobial pests; insects and other organisms; plantparasitic nematodes; plant pathogens, economic fungi and related organisms; protozoa; 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.

Site Tables

Includes: Site Name Sequence, Site Code Sequence

The site table reflects 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 table 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 (Supraqualified)/Chemical/Registration Number

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

This set is arranged by site name. Under each site appear the pesticide chemicals, in code order, registered for use on the site in question. Under each chemical appear 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/Pest/Chemical/Registration Number

Organization: A. Type of Pesticide/Site Code/Pest Code/Chemical Code/Registration Number

B. Type of Pesticide/Site Name (Supraqualified)/
Pest Name/Chemical Code/Registration Number

These microfiche sets each contain 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 (referred to as miscellaneous). Within each discipline-related subset, the data are arranged by either generic supraqualified site names or specific 10-digit site codes 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 two levels of site specificity for each discipline-related subset allow the user a choice between general and specific sites. For instance, if a pest problem exists on Dewberries growing in the field, the user can query the fiche alphabetically at the generic supraqualified site level. If the user is only interested in a specific Dewberry variety or type of treatment (e.g. foliar treatment or soil treatment), he should use the more specific Site Code level. The following chart illustrates the above example:

SITE CODE	SITE NAME (SUPRAQUALIFIED)
0100400010 Dewberries	01004AA Dewberry (crop/site in field)
0100401060 Dewberries (foliar treatment)	
0100402060 Dewberries (soil treatment)	
0100408010 Dewberries (bait application)	
0100415010 Dewberries (delayed dormant application)	
0100415020 Dewberries (dormant application)	
0100415030 Dewberries (Post harvest application to crop)	
0100481060 Dewberries (soil fumigation)	

Similar comparisons can be made for treatments in greenhouses, to seed crops, to stored commodities, or for other types of treatment. Refer to Table 1 for more specific information about which types of treatment are covered by each of the generic supraqualifier terms.

The user should be warned of the potential pitfalls in the use of the generic supraqualified 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 10-digit site code to supraqualified site name. For example, the supraqualified 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 10-digit site code level. If this type of information is important to you it may be worth the extra effort to work at the 10-digit site code level.

Chemical/Site/Pest/Registration Number

Includes: Chemical Index arranged by Chemical Code for 10-digit site code level.

- Organization: A. Type of Pesticide -- Number of Active Ingredients -- Chemical Code -- Site Code -- Pest Code -- Registration Number.
- B. Type of Pesticide -- Chemical Code -- Site Name (Supraqualified) -- Pest Name -- Registration Number.

The five discipline-related subsets of microfiche are the same as for the Site/Pest/Chemical/Registration Number set. For the 10-digit site code level, each subset is arranged by the number of active ingredients appearing in the active ingredient statements of pesticide products (i.e. one active ingredient, two active ingredients, etc.). Within each group, the chemicals are arranged in code order. Under each chemical or chemical mixture appear the site terms in code order found on pesticide labels containing the above chemical(s). Under each site term appear the pest terms in code order found on pesticide labeling which are associated with that chemical/site combination. Under each pest term appear the registration numbers of pesticide products containing the above chemical/site/pest combination.

A Chemical Index is provided for each discipline-related subset to facilitate the use of this set. The Chemical Index lists each chemical in code order (see discussion under Chemical Reference File (Alphabetical)) and page numbers where information for a chemical appearing singly or in a mixture with other chemicals, is located on the Chemical/Site/Pest/Registration Number fiche. For example: To locate chemical/site/pest/registration number information for products containing Alachlor, chemical code 090501, locate 090501 on the Chemical Index fiche for herbicides:

090501
PP: 28515-28588

090501 035506
PP: 41177-41179

090501 080803
PP: 41709-41737

Information for products containing Alachlor as a single active ingredient is located on pages 28515 to 28588 of the Chemical/Site/Pest/Registration Number fiche. Information for products containing Alachlor (090501) and Atrazine (080803) is located on pages 41709 to 41737 of the Chemical/Site/Pest/Registration Number fiche.

The generic Supraqualified 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 Supraqualified site level, a chemical index to this level is not needed.

24C Applications by State

Arranged by: State--State Registration Number

This set lists State registrations of a pesticide to meet a special local need (24C). For each registration number this set lists: the applicant for the special local need, the applicant's address, product name, issue date, the expiration date, toxicity, pesticide form, pesticide type(s), chemical active ingredients and percent concentration of each ingredient, and sites and pests.

Chemical/Site/Pest/24C Permit Number (and Chemical Index Fiche)

Arranged by: Number of active ingredients -- Chemical Code --
Site Code -- Pest Code -- 24C Permit Number

This set allows the user to determine which 24C permits are on file as having certain chemicals registered to meet special local needs. Please note the discussion of the Chemical/Site Code/Pest Code/Registration Number fiche for a brief explanation of how these sets are organized. Their first three elements use the same types of data.

Site/Pest/Chemical/24C Permit Number

Arranged by: Site Code -- Pest Code -- Number of Active
Ingredients -- Chemical Code -- 24C Permit Number

This set uses the same data elements as does the Chemical/Site/Pest/ 24C Permit Number set, but with the access to the set being via the site code. Refer to the discussion of the Site Code/Pest Code/ Chemical/Registration Number fiche for an explanation of how these sets are organized.

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

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	Pest Name/Chemical/Registration No.	Pest name
	Site	Site Name (Supraqualified)/Chemical/Registration Number	Site Name
	Site and Pest	Site Code/Pest Code/Chemical/Registration No.	Site code, Pest code
		Site name (supraqualified)/Pest/Chemical/Registration No.	Site name, Pest name
Registration No.(s)	Chemical, Site, and Pest	Chemical/Site code/Pest code/Registration No.	Chemical code, Site code, Pest code
		Chemical/Site name (supraqualified)/Pest/Registration No.	Chemical code, Site name, Pest name
Product name, Pesticide type, Chemistry, Status, Product manager assignment, Acceptance date, toxicity code	Chemical	Chemical/Registration No.	Chemical code
	Registration No.	Pesticide Label Data	Registration No.
Tolerance Information	Commodity	Tolerance file by commodity	Commodity name
	Chemical	Tolerance file by chemical	Chemical name
Product Manager	Registration No.	Product manager assignment	Registration No.
24(c) permit No.	Site and Pest	Site/Pest/Chemical/24(c) permit No.	Site code, Pest code
	Chemical, Site and Pest	Chemical/Site/Pest/24(c) permit No.	Chemical code, Site code, and Pest code
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	Site Tables (ALPHABETICAL) Site Tables (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	9,387
MOSQUITOES	(EGGS)		(CONTINUED)	10AWAAB341
069001	Pyrethrins	#000655-00684 #003090-00163		
079009	Seep	#001769-00009 #002270-00168 #010827-03417 #037401-00018		
MOSQUITOES	(LARVAE)			10AWAAC01X
041801	0-Ethyl 0-(p-nitrophenyl) phenylphosphonothioate	007001-07720		
MOSQUITOES	(LARVAE)			10AWAAC040
004001	Allethrin (allyl homolog of cinerin I)	#004816-00583 #004816-00625		
004003	d-trans-Allethrin (allyl homolog of cinerin I)	#006218-00044		
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.		
		000275-00045 011273-00030 011273-00038 036488-00010 043382-00003 043382-00007 043382-00008 043382-00010		
009001	Lindane (gamma isomer of benzene hexachloride) (99% pure gamma required)	006830-00002 015887-06427		
010002	b-Butoxy-b'-thiocyano diethyl ether (Note: b = beta)	#000334-00237 #000904-00085 #000904-00158 002270-00133 #003635-00149		
010101	b-Thiocyanoethyl esters of mixed fatty acids* (100% C10-C18) (Note: b = beta)	#000334-00237 #000334-00278 #000334-00299 #003635-00149		
011501	2-Butoxyethanol	#003507-00010		

B. Is methoxychlor (chemical code 034001) used on marsh land to control mosquito larvae? What products that contain methoxychlor are registered for this purpose?

Step 1. Use the Site Table (ALPHABETICAL) fiche. Find the site marsh land and note its code: 6503300010. The sites marsh land (margins) (water treatment) and marsh land (public health) may also serve as additional sources of information.

SITE TABLE (ALPHABETICAL SITE NAME LISTING)		PAGE 174
SITE CODE	SITE TERM	
3113703010	MARIGOLD (WATER TREATMENT)	
6400600360	MARINAS	
6900400050	MARINE EQUIPMENT	
6900700030	MARINE STRUCTURES (WOOD)	
6901800000	MARINE STRUCTURES & EQUIP (METAL)(PRI/UNPRI)(ANTIFOUL TRT)	
6902000000	MARINE STRUCTURES & EQUIP (PAINTED)(ANTIFOUL TRT)	
6900500000	MARINE STRUCTURES AND EQUIPMENT (ALUMINUM) (ANTIFOULING TRT)	
6900600000	MARINE STRUCTURES AND EQUIPMENT (FIBERGLASS) (ANTIFOUL TRT)	
6900463010	MARINE STRUCTURES AND EQUIPMENT (PAINTED/PRIMED) (COMMERCIAL SHIPYARD USE ONLY)	
6901000000	MARINE STRUCTURES AND EQUIPMENT (PLASTIC) (ANTIFOULING TRT)	
6901400000	MARINE STRUCTURES AND EQUIPMENT (STEEL/IRON) (ANTIFOUL TRT)	
6900700000	MARINE STRUCTURES AND EQUIPMENT (WOOD) (ANTIFOULING TRT)	
6900400000	MARINE STRUCTURES AND EQUIPMENT(ALL/UNSPEC)(ANTIFOULING TRT)	
8101100260	MARINE UPHOLSTERY (VINYL)	
0802600000	MARJORAM, SHEET (OREGANO) (FLAVORING AND SPICE CROP)	
6503300010	MARSH LAND	
6503361010	MARSH LAND (MARGINS) (WATER TREATMENT)	
6503362010	MARSH LAND (MARGINS)(PCD)	
6503300030	MARSH LAND (PUB. HEALTH)	
6503362040	MARSHES (SURFACE TREATMENT)	
6503362110	MARSHES (SURROUNDING VEGETATION-FOLIAR TREATMENT)	
6503361140	MARSHES (WATER TREATMENT)	
6503362130	MARSHLAND (SURROUNDING VEGETATION)	
6503300050	MARSHY AREAS	
3303900000	MASCARENEGRASS	
3303902010	MASCARENEGRASS (GROUND COVER) (SOIL TREATMENT)	
9700200060	MASONRY	
8100100250	MASTICS	
3409200000	MATRIMONYVINE	
3409200010	MATRIMONYVINE	
3409201080	MATRIMONYVINE (FOLIAR TREATMENT)	
8600100090	MATTRESSES	
7600400020	MAUSOLEUMS	
3547101010	MAYTEN (FOLIAR TREATMENT)	
3547110010	MAYTEN (GREENHOUSE-FOLIAR TREATMENT)	
3547114010	MAYTEN (HOUSEPLANT)	
3303900000	MEADOW FESCUE	
3426000000	MEADOW WILLOW	
6600200060	MEADOWS	
6600201060	MEADOWS (FOLIAR TREATMENT)	
5300029010	MEAT ANIMAL FEED LOTS	
5300000000	MEAT ANIMALS (ALL OR UNSPECIFIED)	
4400900000	MEAT BYPRODUCTS (NONFOOD)	
7300300010	MEAT MARKETS	
7300343010	MEAT MARKETS (INDOOR EDIBLE)	
7100844020	MEAT PACK EST. (MEC.)	
7100900040	MEAT PACK, PLANT	
7100901010	MEAT PACK, PLANT (ED.)	

Step 2. Use the Pest Table (Common Name Sequence) fiche. Under the pest name MOSQUITOES (LARVAE) note the pest code: IOAMAAC040.

PEST TABLE (COMMON NAME SEQUENCE)		PAGE 66
PEST CODE	PEST TERM	
IGAAAA010	MOLLUSKS	
PCFADBA010	MONEYWORT	
PCFADBA020	MONEYWORT (PREEMERGENCE)	
PBDAJBA010	MONOLEPIS	
INBQCDAA010	MONTEREY ENGRAVER BEETLE	
IRACBWA010	MONTEREY PINE APHID	
IRAHATA010	MONTEREY PINE SCALE	
IRAHATG040	MONTEREY PINE SCALE	(CRAWLERS)
PDFAAAB010	MOONSEED	
IVACABA010	MORMON CRICKET	
PBGAAA010	MORNINGGLORY	
PBGAAA030	MORNINGGLORY (PREEMERGENCE)	
ITAYADA010	MORNINGGLORY LEAFMINER	
IOAMAAA010	MOSQUITOES	
IOAMAAJ040	MOSQUITOES	(ADULT)
IOAMAA040	MOSQUITOES	(EGGS)
IOAMAAC040	MOSQUITOES	(LARVAE)
IOAMAAI040	MOSQUITOES	(PUPAE)
PAAAAA010	MOSS	
PCQAGBA010	MOTHERWORT	
ITAAABA020	MOTHS	
ITAAABJ050	MOTHS	(ADULT)
ITAAAB050	MOTHS	(EGGS)
ITAAAB050	MOTHS	(LARVAE)
ITAAAB050	MOTHS	(PUPAE)
INASAYA010	MOTTLED WILLOW BORER	
VKGGBAA010	MOUNTAIN BEAVER	
VKGGBAA010	MOUNTAIN GOPHER	
INBGAUA010	MOUNTAIN PINE BEETLE	
ISCCBCA010	MOUNTAIN-ASH SAWFLY	
PELAFDC010	MOUNTAIN MAHOGANY	
VHNCJJA010	MOURNING DOVES	
PCAESBE010	HOUSE BARLEY	
OVETDGA010	HOUSE HEPATITIS VIRUS	
OVESBFC010	HOUSE POLIOVIRUS	
PAZADBC010	HOUSEHAR CHICKWEED	
PAZADBC020	HOUSEHAR CHICKWEED (PREEMERGENCE)	
PBFBPBG010	HOUSEHAR POVERTYWEED	
ISBACAC010	MUD DAUBERS	
PECACBC010	MUD PLANTAIN	
PCLABBI020	MUD RUSH (PREEMERGENCE)	
ITFAADA010	MUD SHRIMP	
PBFAJBA010	MUGWORT	
PBFAJBA030	MUGWORT (PREEMERGENCE)	
PCACBAAC010	MULLENBERGIA	
PDGADBA010	MULBERRY	
PDGADBA010	MULBERRY	

Step 3. Use the Chemical/Site/Pest/Registration Number fiche for insecticides. First use the index to this set of fiche to find on which pages Methoxychlor (chemical code 034001) is located. Write down these page numbers: 1607-1964. Locate these pages on the fiche and then look under the site code 6503300010 (marsh land)/ pest code IOAMAA0040 (mosquito larvae) combination and locate the product registration numbers.

CHEM/PP
032701
PP: 1602-1607
032701 032501
PP: 18262-18263
032701 041403
PP: 18281
032701 056502
PP: 18281
032701 079801
PP: 18281
033901 063001
PP: 18281-18284
033901 078201 063506 067002 081101 010301 011501
PP: 36030
→ 034001
PP: 1607-1964
034001 007501
PP: 16270
034001 008101
PP: 16272-16276

CHEMICAL(S) SITE PEST CHEMICAL/SITE CODE/PEST CODE/REGISTRATION NUMBER (INSECTICIDES) PAGE 1,936 PROD CODE
(NO OF AI) CODE+NAME CODE+NAME
(1)034001 (CONTIN.)
IOAMAA0040 MOSQUITOES (LARVAE)
008590-00407
→ 6503300010 MARSH LAND
→ IOAMAA0040 MOSQUITOES (LARVAE)
→ 000551-00139 000551-00238 005905-00404 005905-00405 007501-00012 041014-00002
IOAMAA0040 MOSQUITOES (ADULT)
000551-00139
6503300060 SLOUGHS
IOAMAA0040 MOSQUITOES (LARVAE)
000279-02819 003743-00342 041014-00002
650336101X MARSH LAND (MARGINS) (WATER TREATMENT)
IOAMAA0040 MOSQUITOES (LARVAE)
039511-00082
6503361010 MARSH LAND (MARGINS) (WATER TREATMENT)
IOAMAA0040 MOSQUITOES (LARVAE)
002393-00240 003743-00342

Step 4. For more specific product information, use the Pesticide Label Data fiche and look for the product registration numbers found in step 3.

00551) REGISTRANT NUMBER 00551

*** PRODUCT SEARCH LISTING ***

PESTICIDE LABEL DATA

PAGE 1,882

***** (**** PRODUCT NUMBER AND NAME *****	*APDATE*	*PM*	*DATE*	*TOXICITY*
00131 BAIRD'S MALATHION 5 LB. EMULSIFIABLE CONCENTRATE	021557	16	0875	3
* * *TYPE: 50 INSECTICIDE AND MITICIDE				
* * *FORM: 12 EMULSIFIABLE CONCENTRATE (EC OR E)				
* * *INGREDIENTS*				
0577C1 57.0000 Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)				
***** PRODUCT NUMBER AND NAME *****	*APDATE*	*PM*	*DATE*	*TOXICITY*
00132 SAPONATED CRESOL SOLUTION NF XII	091268	32	1066	1
* * *TYPE: 22 DISINFECTANT				
* * *FORM: 15 SOLUBLE CONCENTRATE				
* * *INGREDIENTS*				
022101 50.0000 Cresylic acid, coal tar acids, coal tar phenols, or coal tar cresols				
079009 32.0000 Soap				
***** PRODUCT NUMBER AND NAME *****	*APDATE*	*PM*	*DATE*	*TOXICITY*
00133 CHLORDANE 8LB. EMULSIFIABLE CONCENTRATE	040257	15	1082	2
* * *TYPE: 50 INSECTICIDE AND MITICIDE				
* * *TYPE: 77 UNCLASSIFIED				
* * *FORM: 12 EMULSIFIABLE CONCENTRATE (EC OR E)				
* * *INGREDIENTS*				
058201 73.6000 Chlordane (octachloro-4,7-methanotetrahydroindane)				
***** PRODUCT NUMBER AND NAME *****	*APDATE*	*PM*	*DATE*	*TOXICITY*
00139 METHOXYCHLOR 2S	103057	12	0882	2
* * *TYPE: 50 INSECTICIDE AND MITICIDE				
* * *TYPE: 67 CONDITIONAL				
* * *TYPE: 77 UNCLASSIFIED				
* * *FORM: 12 EMULSIFIABLE CONCENTRATE (EC OR E)				
* * *INGREDIENTS*				
034001 25.0000 Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)				

Step 5. The name and address of the registrants are found in the Pesticide Companies (NUMERICAL) fiche. The registrant of product 551-139 is Baird & McGuire, Inc.

PESTICIDE COMPANIES (NUMERICAL)					PAGE
TYPE	NUMBER	REGISTRANT	STREET	CITY&STATE	ZIP
M	000468	GURNEY SEED AND NURSERY COMPANY	2ND & CAPITOL STS	YANKTON, SD	57079
M	000471	MENARY FIELD SEED & NURSERY COMPANY	907 SYCAMORE STREET	SHEMAMOND, IOWA	51602
M	000475	BOYLE-MIDWAY INC	5 AVE & MALE ST	CRAWFORD NJ	07016
M	000476	STRAFFER CHEMICAL COMPANY	1200 S. 47TH ST.	RICHMOND, CA	94804
M	000478	REALEX CORP.	BOX 78 2500 SUMMIT ST.	KANSAS CITY MO	64141
M	000479	ALPHA CHEMICAL COMPANY INC	1503-13 ARGYLE AVE	BALTIMORE MD	21217
M	000481	MICHIGAN CHEM CORP	351 E OHIO ST	CHICAGO IL	60611
M	000482	MORD CHEMICAL CO.	P.O. BOX 6512	DULUTH, MN	55806
M	000483	PACIFIC SUPPLY COOPERATIVE	1200 S.W. MAIN	PORTLAND OR	97205
M	000485	INDUSTRIAL FUMIGANT COMPANY	601 EAST 159TH ST.	OLATHE, KS	66061
M	000486	PEROLIN COMPANY, INC	2150 OXFORD RD.	DES PLAINES, ILLINOIS	60018
M	000491	SELIG CHEMICAL INDUSTRIES THE	84C SELIG DR P.O. BOX 43106	ATLANTA GA	30378
M	000493	PLEE-ZING INC	1640 PLEASANT RD.	GREENVIEW, IL.	60025
M	000495	CONTINENTAL CHEMISTE CORPORATION	ATTN CHAMLIN G R 2256 W OGDEN AVE	CHICAGO IL	60612
M	000498	CHASE PRODUCTS COMPANY	19TH ST AND GARDNER ROAD	BROADVIEW IL	60153
M	000499	WHITMIRE RESEARCH LABS INC	3568 TREE CT INDUSTRIAL BLVD	ST LOUIS MO	63122
M	000500	BOYER CORPORATION	1611 CHURCH ST	EVANSTON IL	60201
M	000504	NOVOCAL CHEM MFG COMPANY INC	2911-23 ATLANTIC AVE	BROOKLYN NY	11233
M	000505	COMLEY S L & SONS MFG INC	BOX 666	HUGO OK	74743
M	000506	WALCO LINCK CORP.	P.O. BOX 769	CLIFTON, NJ	07015
M	000507	UNIT CHEMICAL CORPORATION	4161 REDWOOD AVE	LOS ANGELES CA	90066
M	000509	OPITZ JOHN INC	5014 39TH ST	LONG ISLAND CITY NY	11104
M	000513	SMITH CHEMICAL CO	P O BOX 788 645 E 4TH AVE	GRAND JUNCTION CO	81501
M	000517	REXALL DRUG COMPANY	3901 NORTH KINGSHIGHWAY	ST LOUIS MO	63115
M	000518	DARWORTH INC	PO BOX K	AVON CT	06001
M	000522	CHEVRON RESEARCH CO..	575 MARKET STREET	SAN FRANCISCO, CA	94105
M	000523	MOPKINS	P.O. BOX 7532	MADISON, WISCONSIN	53707
M	000524	MONSANTO COMPANY	1101 17TH ST NW SUITE 604	WASHINGTON, DC	20036
M	000527	ROCHESTER MIDLAND	333 MOLLENBECK ST.	ROCHESTER, NY	14621
M	000528	AMSCO DIVISION UNION CIL COMPANY OF CALI	825 SE THORNTON	MINNEAPOLIS MN	55414
M	000530	PIPER COMPANY INC	420 SOUTH JEFFERSON ST.	MILLSTADT, IL	62261
M	000534	GROUMARK, INC.	1701 TOWARD AVE	BLOOMINGTON IL	61701
M	000537	BIOCERTA CORP	303 5TH AVE	NEW YORK NY	10016
M	000538	SCOTT O M & SONS COMPANY	SCOTTLAWN RD.	MARYSVILLE OH	43040
M	000539	SEARS ROEBUCK & COMPANY	SEARS TOWER DEPT. 671/15TH FLOOR	CHICAGO IL	60684
M	000541	PURITAN/CHURCHILL CHEMICAL CO.	PO BOX 93247 MARTECH STATION	ATLANTA GA	30318
M	000548	RILEY BROS INC	860 WASHINGTON	BURLINGTON IA	52601
M	000550	VAN WATERS & ROGERS	2256 JUNCTION AVENUE	SAN JOSE, CALIFORNIA	95131
M	000551	BAIRD & MCGUIRE INC	775 SOUTH STREET	MOLBROOK, MA	02343
M	000554	AGSCO INC	BOX 458	GRAND FORKS ND	58201
M	000557	ESTECH INC.	30 NORTH LASALLE ST.	CHICAGO, IL	60604
M	000559	DAVIES YOUNG COMPANY (THE)	2700 WAGNER PLACE	MARYLAND HEIGHTS, MO	63043
M	000561	MINUTEMAN, AMERICAN CLEANING EQUIPMENT C	1125 N 3RD ST	MILWAUKEE WI	52303
D	000566	U-SAN-O CORP	1808 12 CHOUTEAU AVE	ST LOUIS MO	63103
M	000567	ASARCO INCORPORATED	120 BROADWAY	NEW YORK NY	10005
M	000569	HAVER-LOCKHART LAB	P.O. BOX 390	SHALNEE MISSION, KS	66201
M	000570	ABBEVILLE MIXING PLANT	516 MEYERS ST.	ABBEVILLE LA	70510
M	000572	ROCKLAND CHEMICAL CO. INC.	P.O. BOX 809	WEST CALDWELL, NJ	07006
M	000576	SUNNYSIDE CHEMICAL COMPANY	PO BOX 128	NEW JERSEY	07000
M	000577	SHERWIN-WILLIAMS COMPANY	101 PROSPECT AVE NW	CLEVELAND OH	44115
M	000578	WILLIAMS CHEMICAL COMPANY	101 PROSPECT AVE NW	CLEVELAND OH	44115
M	000579	WILLIAMS CHEMICAL COMPANY	200 YOUNGSTOWN PARK	WAPPA, VA	22681
M	000580	WILLIAMS CHEMICAL COMPANY	200 YOUNGSTOWN PARK	WAPPA, VA	22681

C. What chemicals are registered for use on marsh land to control adult mosquitoes?

Step 1. Obtain the pest code and site code as in Sample B, steps 1 and 2.

Step 2. Use the Site/Pest/Chemical/Registration Number fiche for Insecticides. Locate site code 6503300010 (marsh land) and then pest code IQAMAAJ040 (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.

SITE CODE-NAME	PEST CODE-NAME	ACTIVE INGREDIENT(S)	SITE CODE/PEST CODE/CHEMICAL/REGISTRATION NUMBER (INSECTICIDES)	PAGE 43,558	PRODUCT COUNT
6503300010 (CONT.)	IQAMAA010 (CONT.)	MARSH LAND (MOSQUITOES)			
		007001-00227			1
	IQAMAA040	MOSQUITOES	(LARVAE)		
	(01)034001	Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)			
	000531-00139	000531-00238 005905-00404 005905-00405 007501-00012 041014-00002			6
	(01)057701	Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)			
	000904-00153	008612-03445 014107-09343 034704-00003 042463-00033			5
	(02)057701	Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)			
	086803	Xylene range aromatic solvent			
	011134-06019				1
	IQAMAAJ040	MOSQUITOES	(ADULT)		
	(01)034001	Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)			
	000531-00139				1
	(01)090401	4-Benzothienyl methylcarbamate			
	005187-00015				1
	(02)067501	Piperonyl butoxide ((butylcarbityl)(6-propylpiperonyl) ether 80% and related compounds 20%)			
	069001	Pyrethrins			
	001021-01199	002270-00644 009250-00012			3
	IOAUFA010	HOUSE FLY			
	(01)034401	Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)			
	006973-00014	007001-00108			2
6503300030		MARSH LAND (PUB. HEALTH)			
	IQAMAAA010	MOSQUITOES			
	(02)067501	Piperonyl butoxide ((butylcarbityl)(6-propylpiperonyl) ether 80% and related compounds 20%)			
	069001	Pyrethrins			
	00551-00233				

Pesticide Product Information on Microfiche

Corrections and/or Comments

In order to provide more accurate and more useful pesticide product information on microfiche, 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)
Office of Pesticide Programs
U. S. Environmental Protection Agency
401 M Street SW
Washington, D. C. 20460

Filing of the Microfiche

The following 54 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. File each chemical index so as to immediately precede its appropriate chemical/site/pest/ registration number fiche set (including that for the 24(C) file).

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 supraqualified site/chemical/registration number followed by herbicide supraqualified and 10-digit site/pest/chemical/registration number followed by herbicide supraqualified and 10-digit chemical/site/pest/registration number).

Product Manager Assignment	Pesticide Products (Numerical)	
Pesticide Products (Alphabetical)	Pesticide Companies (Numerical)	
Pesticide Companies (Alphabetical)	Chemical Cross Reference File (Alphabetical and Numerical listings)	
Tolerance File by Chemical	Tolerance File by Commodity	
Chemical/Registration number File	Pesticide Label Data	
EPA Site Categories (Complete code sequence listing)	Agricultural Crops (Alphabetical)	
Ornamental Plants and Forest Trees (Common and Scientific Name listings)	Preferred Site Terms (Numerical and alphabetical listings)	
Aquatic and Terrestrial Weeds (Common name and code sequence listings)	Antimicrobial Pest List (Code sequence listing)	
Insects and Other Organisms (Common name listing)	Insects and Other Organisms (Code sequence listing)	
Plant Parasitic Nematodes (Common name and code sequence listings)	Plant Pathogens/Economic Fungi (Common name and code sequence listings)	
Protozoa (Code sequence listing)	Vertebrates (Common name and code sequence listings)	
Site Table (alphabetical site name listing)	Site Table (Numerical site code listing)	
Pest Table (Common name and code sequence listings)	Pest name/Chemical/Registration number	
Site Name (Supraqualified)/Chemical/ Registration number (Insecticides)	Site Name (Supraqualified)/Chemical/ Registration number (Fungicides)	

Site Name (Supraqualified)/Chemical/ Registration number (Herbicides)	Site Name (Supraqualified)/Chemical/ Registration number (Antimicrobials)	
Site Name (Supraqualified)/Chemical/ Registration number (Miscellaneous)	Site Name (Supraqualified)/Pest/Chemical/ Registration number (Herbicides)	
Site Name (Supraqualified)/Pest/Chemical/ Registration number (Antimicrobials)	Site Name (Supraqualified)/Pest/Chemical/ Registration number (Insecticides)	
Site Name (Supraqualified)/Pest/Chemical/ Registration number (Fungicides)	Site Name (Supraqualified)/Pest/Chemical/ Registration number (Miscellaneous)	
Site code/Pest code/Chemical/ Registration number (Herbicides)	Site code/Pest code/Chemical/ Registration number (Antimicrobials)	
Site code/Pest code/Chemical/ Registration number (Insecticides)	Site code/Pest code/Chemical/ Registration number (Fungicides)	
Site code/Pest code/Chemical/ Registration number (Miscellaneous)	Chemical/Site name (Supraqualified)/Pest/ Registration number (Herbicides)	
Chemical/Site name (Supraqualified)/Pest/ Registration number (Antimicrobials)	Chemical/Site name (Supraqualified)/Pest/ Registration number (Insecticides)	
Chemical/Site name (Supraqualified)/Pest/ Registration number (Fungicides)	Chemical/Site name (Supraqualified)/Pest/ Registration number (Miscellaneous)	
Chemical/Site code/Pest code/ Registration number (Herbicides) (plus index)	Chemical/Site code/Pest code/ Registration number (Antimicrobials) (plus index)	
Chemical/Site code/Pest code/ Registration number (Insecticides) (plus index)	Chemical/Site code/Pest code/ Registration number (Fungicides) (plus index)	
Chemical/Site code/Pest code/ Registration number (Miscellaneous) (plus index)	24(c) Applications by State	
Chemical/Site code/Pest code/ 24(c) Permit number (plus index)	Site code/Pest code/Chemical/ 24(c) Permit number	

The following is an index to the "Pesticide Label Data" fiche and should be cut out and filed with that set. The fiche number is in the left column followed by the company number of the pesticide product that is listed first on that particular fiche.

FILE THIS CARD WITH THE "PESTICIDE LABEL DATA" FICHE

01	00003	20	02749	39	10718
02	00148	21	03095	40	11050
03	00239	22	03525	41	11411
04	00279	23	04077	42	11682
05	00359	24	04758	43	12477
06	00432	25	04977	44	15265
07	00478	26	05464	45	21327
08	00551	27	05785	46	32235
09	00655	28	06186	47	34473
10	00746	29	06755	48	35303
11	00876	30	07078	49	36998
12	01002	31	07455	50	37926
13	01022	32	08047	51	39477
14	01234	33	08590	52	41063
15	01421	34	08859	53	42844
16	01660	35	09339	54	44342
17	01812	36	09731	55	45639
18	02136	37	09982	56	47033
19	02382	38	10337	57	47797