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Office of
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Pesticide Product Information on Microfiche A User's Guide

OPTS-TECHNICAL INFORMATION CENTER

(SEVENTH EDITION)

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U. S. Environmental Protection Agency
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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 chemical 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 Support and Benefits and Field Studies 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 Field Studies Division of the Office of Pesticide Programs. They may be contacted by phone at (703) 557-7498 or by mail:

Index Section
Benefits and Field Studies 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 easy use, microfiche should be stored in a card file with suitable index tabs or in one of the commercially available microfiche folders. The last page of this manual supplies 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, Vienna, Virginia, 22161. It is used as a companion document to the Pesticide Product Information. This Compact Label File is scheduled for update semiannually.

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.

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Insecticides	135	
Fungicides/Nematicides	30	
Miscellaneous (Rodenticides/No Pest)	3	
Site Code/Pest Code/Chemical/Registration Number		19
Herbicides	200	
Antimicrobials	24	
Insecticides	172	
Fungicides/Nematicides	36	
Miscellaneous (Rodenticides/No Pest)	4	
Chemical/Site Name (Supraqualified)/Pest/ Registration Number		20
Herbicides	95	
Antimicrobials	16	
Insecticides	107	
Fungicides/Nematicides	26	
Miscellaneous (Rodenticides/No Pest)	3	

II. Set B (continued)

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Chemical Index	1	
Antimicrobials	16	
Chemical Index	2	
Insecticides	112	
Chemical Index	2	
Fungicides/Nematicides	27	
Chemical Index	1	
Miscellaneous (Rodenticides/No Pest)	4	
Chemical Index	1	

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 by the telephone numbers on the PM Assignment microfiche or by mail:

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 as they may be registered by 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

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 code - 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

24C Application by State

Arranged by: State--State Registration Number

This set lists State registrations of a pesticide to meet a specific 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 specific local needs. Please note the discussion of the Chemical/Site Code/Pest Code/Registration Number fiche for a brief explanation of how these two 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 two sets are organized.

SET B

Site and Pest Data on Microfiche

Eight 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;
- Pest/Chemical;
- Chemical/Site/Pest/Registration Number;
- Site/Pest/Chemical/Registration Number.

The data in the Pest/Chemical, 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 Pest/Chemical, Chemical/Site/Pest/Registration Number, and Site/Pest/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 codes site qualifiers (e.g. foliar application, indoor use).

The following diagram describes the coding system for sites. It dissects the 10-digit code to illustrate its components and their origin.

Preferred Site Terms

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

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 and Chemical/Site/ Pest/Registration number data sets.

The Supraqualified sites represent a new system of site terminology. They are being introduced 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 qualifier 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>
IA = 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
IA = Hospital use	71 = hospital use	50-56, 87, (97), 89
IB = Laboratory use	68 = laboratory use	74
IC = Veterinary use only	67 = veterinary use only	50-56, 60, 61, (67), 74, 86, (87)
ID = Commercial use	72 = commercial use	87
IE = Household/coin operated use	73 = household and coin operated use	87
IF = 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
IC = 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
IB = 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
IC = 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
ID = storage/holding areas	17 = agricultural/nursery premises	01-39
	38 = storage areas - empty/nonexposed commodities	01-39, 43, 44, 61, 71-74
IE = 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 Categor</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, 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, 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 seven 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; 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/Chemical

Arranged by: Pest Name -- Number of Active Ingredients -- Chemical Code

This set is arranged by pest in alphabetical order. Under each pest appear the pesticide chemicals contained in pesticide products listing the above pest on their labeling. The chemicals are listed singly or in groups of two or more as they appear in the active ingredient statements of the products. Within each group, the chemicals are arranged in code order. Note that all the active ingredients in these groups do not necessarily control the above pest. For example:

```
rose chafer  INBPAUA
              034001  methoxychlor
              081301  captan
```

Methoxychlor is the active ingredient controlling the rose chafer and captan is a fungicide controlling plant pathogens listed on the same pesticide product label.

```
boll weevil  INASAH
              053501  O,O-Dimethyl-O-p-nitrophenyl phosphorothioate
              057501  parathion
```

Both active ingredients are insecticides and both are able to control the boll weevil.

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

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 (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)	

Similiar 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: 24690-24741

090501 035506

PP: 35070-35071

090501 080803

PP: 35867-35887

Information for products containing Alachlor as a single active ingredient is located on pages 24690 to 24741 of the Chemical/Site/Pest/Registration Number fiche. Information for products containing Alachlor (090501) and Atrazine (080803) is located on pages 35867 to 35887 of the Chemical/Site/Pest/Registration/Number fiche.

The generic Supraqualified Site Name level has been dramatically streamlined this year. 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.

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
008801	Benzene
054001	Methylated aromatic petroleum derivatives
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
063504	Stoddard solvent
063505	Fuel oil
063506	Mineral spirits
086801	4-Chloro-3,5-xyleneol
086802	Xylene
086803	Xylene range aromatic solvent
086804	2,4-Xyleneol

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)	Pest	Pest/Chemical	Pest name
Chemical(s) and/or Registration No.(s)	Site and Pest	Site Code/Pest Code/Chemical/ Registration No. Site name (supraqualified)/Pest/ Registration No.	Site code, Pest code Site name, Pest name
Registration No.(s)	Chemical, Site, and Pest	Chemical/Site code/Pest code/ Registration No. Chemical/Site name (supraqualified)/ Pest/Registration No.	Chemical code, Site code, Pest code Chemical code, Site name, Pest name
Registration No.(s)	Chemical	Chemical/Registration No.	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	Tolerance file by commodity	Commodity name
Tolerance Information	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
24(c) permit No.	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)

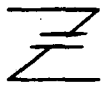
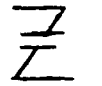
User Needs	User Knows	Fiche Used	Accessed by
Chemical Code	Chemical name	Chemical Cross Reference file (ALPHABETICAL)	Chemical name
Chemical Names (especially synonymy)	Chemical code	Chemical Cross Reference file (NUMERICAL)	Chemical code
Site Code	Site category Crop name Ornamental name Ornamental Scientific 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

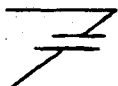
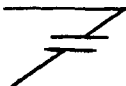

SAMPLE QUESTIONS

A. What chemicals are used to control mosquitoes in the larval state?

Step 1. Use the Pest Table (Common Name Sequence) fiche. Under the pest name MOSQUITOES (LARVAE) note the pest code IOAMAAC040.

Step 2. Use the Pest/Chemical fiche. Under the pest name MOSQUITOES (LARVAE) you will find the chemicals and chemical combinations in products registered for the control of mosquito larvae.

2/05/82	PEST TABLE (COMMON NAME SEQUENCE)		PAGE 62
PEST CODE	PEST TERM		
PAMMAA010	MILKWEED VINE		
PAMMAA020	MILKWEED VINE (PREEMERGENCE)		
ITAMMAA010	MILLET		
PCAMMAA010	MILLET		
PCAMMAA020	MILLET (PREEMERGENCE)		
			
IOAMMAA010	MOSQUITOES		
IOAMAAJ040	MOSQUITOES		
IOAMAA8040	MOSQUITOES		
IOAMARC040	MOSQUITOES		
IOAMAAI040	MOSQUITOES		
→	(ADULT) (EGGS) (LARVAE) (PUPAE)		

PEST		ACTIVE INGREDIENT(S)		PEST/CHEMICAL		03/16/82		PAGE 3,365	
MOSQUITOES		(EGGS)				IOAMAAB040			
01 ACTIVE CHEMICAL(S)									
(1) 034001				Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)					
(1) 057701				Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)					
									
		MOSQUITOES		(LARVAE)		IOAMAAC040			
(1) 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.					
(-1) 009001				Lindane (gamma isomer of benzene hexachloride) (99% pure gamma required)					
(1) 010002				b-Butoxy-b'-ethoxy diethyl ether (Note: b = beta)					

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.

2/05/82

SITE TABLE (ALPHABETICAL SITE NAME LISTING)

PAGE 162

SITE CODE	SITE TERM
3005500000	MAPLE (FOREST)
3005501010	MAPLE (FOREST) (FOLIAR TREATMENT)
3508310010	MAPLE (GREENHOUSE-FOLIAR TREATMENT)
3508323010	MAPLE (INJECTION TREATMENT)
3508316010	MAPLE (NURSERY)
3521501060	MAPLE (SOFT) (FOLIAR TREATMENT)
2500419010	MAPLE TREE TAPHOLES
3113600000	MARANTA
3113601060	MARANTA (FOLIAR TREATMENT)
3113681060	MARANTA (SOIL FUMIGATION)
3113602060	MARANTA (SOIL TREATMENT)
3113610020	MARANTA (GREENHOUSE-FOLIAR TREATMENT)
3113616010	MARANTA (NURSERY)
3137200000	MARANTA BICOLOR
3125200000	MARGUERITES
3125201010	MARGUERITES (FOLIAR TREATMENT)
3125210010	MARGUERITES (GREENHOUSE)
3125216010	MARGUERITES (NURSERY)
3113700000	MARIGOLD
3113700010	MARIGOLD (FOLIAR TREATMENT)
3113701060	MARIGOLD (SOIL TREATMENT)
3113702060	MARIGOLD (BAIT APPLICATION)
3113703010	MARIGOLD (CONTAINERIZED)
3113710020	MARIGOLD (GREENHOUSE - FOLIAR TREATMENT)
3113710010	MARIGOLD (GREENHOUSE)
3113711010	MARIGOLD (GREENHOUSE) (SOIL TREATMENT)
3113714010	MARIGOLD (HOUS. PLANT)
3113716010	MARIGOLD (NURSERY)
3113703010	MARIGOLD (WATER TREATMENT)
6400600360	MARINAS
6900400050	MARINE EQUIPMENT
6900700030	MARINE STRUCTURES (WOOD)
6901600000	MARINE STRUCTURES & EQUIP (METAL)(PRI/UNPRI)(ANTIFOUL TRT)
6902000000	MARINE STRUCTURES & EQUIP (PAINTED)(ANTIFOUL TRT)
6902000000	MARINE STRUCTURES AND EQUIPMENT (ALUMINUM) (ANTIFOULING TRT)
6902600000	MARINE STRUCTURES AND EQUIPMENT (FIBERGLASS) (ANTIFOUL TRT)
6904063010	MARINE STRUCTURES AND EQUIPMENT (PAINTED/PRIMED) (COMMERCIAL SHIPYARD USE ONLY)
6901003000	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)
0102600000	MARJORAM, SWEET (OREGANO) (FLAVORING AND SPICE CROP)
6503300010	MARSH LAND
6503361010	MARSH LAND (MARGINS) (WATER TREATMENT)
6503362010	MARSH LAND (MARGINS)(PCO)
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

Step 2. Use the Chemical/Site/Pest/Registration Number fiche for Insecticides/Acaricides. First use the index to this set of fiche to find on which pages Methoxchlor (chemical code 034001) is located. Write down these page numbers: 1426-1758. Locate these pages on the fiche and then look under the site code 6503300010 (marsh land)/pest code IOAMAAC040 (mosquito larvae) combination and locate the product numbers.

CHEM/PP

CHEMICAL INDEX OF CHEMICAL/SITE/PEST/REGISTRATION NUMBER (INSECTICIDES)

02/22/82

PAGE 67

032501 041101
PP: 16182

032501 056502
PP: 16182-16185

032501 041404 084301
PP: 23732

032501 056502 084701
PP: 23732-23733

032501 057601 057801 010501 028801
PP: 29237-29238

032701
PP: 1423-1426

032701 032501
PP: 16165

032701 041403
PP: 16185

032701 056502
PP: 16185

032701 079801
PP: 16185

033901 063001
PP: 16185-16188

033901 058201 067002 081101 010301 011301
PP: 29716

→ 034001
PP: 1426-1758

034001 007501
PP: 14268

CHEMICAL(S) SITE PEST CHEMICAL/SITE CODE/PEST CODE/REGISTRATION NUMBER (INSECTICIDES)
(NO OF RI) CODE+NAME CODE+NAME

02/20/82 PAGE 1,733

PRODUCT
COUNT

(13034001

(CONTINUED

650326202X STREAM BANKS

IOAMAAC040 MOSQUITOES

(LARVAE)

008590-00407

1

6503300010 MARSH LAND

IOAMAAC040 MOSQUITOES

(LARVAE)

000352-00075 000551-00139 000551-00238 005905-00404 005905-00405 007501-00012

6

IOAMAAC040 MOSQUITOES

(ADULT)

000551-00139

1

Step 3. For more specific product information, use the Pesticide Label Data fiche and look for the product numbers found in Step 2.

(00352) REGISTRANT NUMBER 00352

**** PRODUCT SEARCH LISTING ****

12/31/81

PESTICIDE LABEL DATA

PAGE 1.113

***** PRODUCT NUMBER AND NAME *****

•APDATE• •PM• •DATE• •TOXICITY•

00015 DUPONT CZC CHROMATED ZINC CHLORIDE
•TYPE: 31 FUNGICIDE
•TYPE: 50 INSECTICIDE AND MITICIDE
•TYPE: 77 UNCLASSIFIED
•FORM: 02 FORMULATION INTERMEDIATE

122447 21 0169 2

•INGREDIENTS•

021101 2.2000 Chromic acid
068304 14.6000 Sodium dichromate
087801 77.5000 Zinc chloride

***** PRODUCT NUMBER AND NAME *****

•APDATE• •PM• •DATE• •TOXICITY•

→ 00075 MARLATE 50 METHOXYCHLOR INSECTICIDE
•TYPE: 50 INSECTICIDE AND MITICIDE
•FORM: 06 METTABLE POWDER (WP OR W)

101267 12 0773 4

•INGREDIENTS•

034001 50.0000 Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)

***** PRODUCT NUMBER AND NAME *****

•APDATE• •PM• •DATE• •TOXICITY•

00114 DUPONT THIRAM
•TYPE: 31 FUNGICIDE
•FORM: 02 FORMULATION INTERMEDIATE

052755 21 1268 3

•INGREDIENTS•

079801 98.5000 Thiram (tetramethylthiuram disulfide)

***** PRODUCT NUMBER AND NAME *****

•APDATE• •PM• •DATE• •TOXICITY•

00160 DUPONT TERSAN 75 TURF FUNGICIDE
•TYPE: 31 FUNGICIDE
•FORM: 06 METTABLE POWDER (WP OR W)

061650 21 0779 3

•INGREDIENTS•

079801 75.0000 Thiram (tetramethylthiuram disulfide)

***** PRODUCT NUMBER AND NAME *****

•APDATE• •PM• •DATE• •TOXICITY•

00167 DU PONT MARLATE 2-MR INSECTICIDE
•TYPE: 50 INSECTICIDE AND MITICIDE
•TYPE: 77 UNCLASSIFIED
•FORM: 12 EMULSIFIABLE CONCENTRATE (EC OR E)

031068 12 0469 3

•INGREDIENTS•

071001 14.0000 Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)

Step 4. The name and address of the registrants are found in the Pesticide Companies (NUMERICAL) fiche. The registrant of product 352-75 is E.I. Dupont de Nemours Company.

11/19/81

PESTICIDE COMPANIES (NUMERICAL)

PAGE 3

TYPE	NUMBER	REGISTRANT	STREET	CITY&STATE	ZIP
M	000346	RUSSELL I D COMPANY LABS	PO BOX 1	KANSAS CITY MO	64141
M	000352	E.I. DUPONT DE NEMOURS COMPANY	1007 MARKET STREET	WILMINGTON, DE	19898
M	000358	NOTT MANUFACTURING COMPANY INC	PLEASANT VIEW RD	PLEASANT VALLEY NY	12569
M	000359	PHONE-POLENC INC	P.O. BOX 125	MONMOUTH JUNCTION, NJ	08852
M	000360	PEOPLES DRUG STORES INC	6315 BRENNER DRIVE	ALEXANDRIA, VA	22312
M	000363	COOPER'S CHEMICAL CORP	RIVER ROAD	WEST CONSHOHOCKEN, PA	19380
M	000368	MASTER LABS	920 7TH AVE	BEAVER FALLS PA	15010
M	000370	GARDIN HOUSE SPRAY COMPANY	PO BOX 459 RT 107	LACONIA NH	03246
M	000372	MALLINCKRODT INCORPORATED	SECOND AND MALLINCKRODT STREETS	ST LOUIS, MO	63147
M	000373	RESIDEX CORP	225 TERMINAL AVENUE	CLARK NJ	07066
M	000374	ELROY TURPENTINE COMPANY	BOX 688	SWAINSBORO GA	30561
M	000377	BOHLENDER PLANT CHEM		TIPP CITY OH	45371
M	000385	MCKESSON LABORATORIES	P.O. BOX 2277	DUBLIN, CA	94566
M	000387	GLOVERS IMPERIAL PHARM	1140 FRANKLIN AVE.	GARDEN CITY NY	11530
M	000390	PETTIT PAINT COMPANY INC	36 PINE ST	BOROUGH OF ROCKAWAY NJ	07866
M	000394	MAGNOLIA PAPER CO-CENTURY CHEM CORP	BOX 1908	HOUSTON TX	77000
M	000395	LETHLIN PHOS COMPANY INC	15 SOUTH MACQUESTEN PARKWAY	MOUNT VERNON NY	10550
M	000397	MOBILE PINE FOODS COMPANY	BOX 41 CENTUCK STATION	YONKERS NY	10710
M	000399	TRIPLE-X CHEM LAB INC	841 SKOKIE RD	LAKE BLUFF IL	60044
M	000400	UNIDROYAL CHEMICAL	74 AMITY ROAD	BETHANY CT	06525
M	000401	COMMON SENSE MANUFACTURING COMPANY INC	1392 NIAGARA ST	BUFFALO NY	14207
M	000402	HILL MANUFACTURING, INC	1500 JONESBORO RD SE	ATLANTA GA	30315
M	000403	FAIRFAX BIOLOGICAL LABORATORY	ELECTRONICS ROAD	CLINTON CORNERS NY	12514
M	000404	MCCONNON & COMPANY	25 MCCONNON DR	WINONA, MN	55987
M	000406	PEST CONTROL CHEMICAL COMPANY	324 BROADWAY	BUFFALO NY	14204
M	000407	IMPERIAL INC	BOX 423	SHENANDOAH IA	51601
M	000410	FRANKLIN LABORATORIES INC	PO BOX 22335-HELLSHIRE STATION	DENVER CO	80222
M	000411	JENSEN-SALSBURY LAB DIV OF RICHARDSON-ME	520 W 21ST STREET	KANSAS CITY MO	64141
M	000413	PARCELS & SHORES CHEMICAL COMPANY	1400-02 ST LOUIS AVE	KANSAS CITY, MO	64101
M	000416	QUINN DRUG & CHEM COMPANY	BOX 847	GREENWOOD MS	38930
M	000419	FENCE COMPANY	P O BOX 177 ROUTE 45 & PETERSON RD	LIBERTYVILLE, IL	60048
M	000421	VARLEY JAMES & SONS INC	1200 SWITZER AVE	ST LOUIS MO	63147
M	000422	BLUE BALL CHEMICAL COMPANY	914 HOFFNER AVENUE	ORLANDO FL	32809
M	000425	SCARRY R J & COMPANY	1620 MARKET ST	DENVER CO	80202
M	000427	NASH & KINSELLA LABORATORIES	9216 CLAYTON RD	ST LOUIS MO	63124
M	000430	DURHAM'S DRUG PRODUCTS COMPANY	R S 114 HOUSTON ST.	COMANCHE TX	76442
M	000432	PENICK CORPORATION	1050 WALL STREET WEST	LYNHURST, NEW JERSEY	07071
M	000436	STANDARD CHEMICAL MFG COMPANY	701 S 42ND ST	OMAHA, NE	68103
M	000437	ERADICO PROD COMPANY	1003 WOODWARD HEIGHTS	FERNDALE, MI	48220
M	000438	STATE CHEMICAL COMPANY	BOX 310	AMARILLO TX	79105
M	000442	STANDARD OIL COMPANY OF OHIO	101 PROSPECT AVENUE	CLEVELAND OH	44115
M	000445	ROSE EXTERMINATING COMPANY	100 EAST COURT ST.	CINCINNATI OH	45202
M	000446	GOOD JAMES COMPANY	2107-15 E SUSQUEHANNA AVE	PHILADELPHIA PA	19125
M	000449	FARMLAND INDUSTRIES INC.	P. O. BOX 7305	KANSAS CITY, MO	64116
M	000450	MILLER CHEMICAL COMPANY INC	9100 F ST.	OMAHA, NE	68127
M	000451	MERSHEY COMPANY	48 CLINTON STREET	NEW YORK, NEW YORK	10002
M	000453	WOOD TREATING CHEMICALS DEPT	DEPT. KOPPERS CO. 5137 SOUTHWEST AVE.	ST LOUIS MO	63110
M	000456	CHEMICAL FORMULATORS INC	2045 PEACHTREE RD. N.E., SUITE 200	ATLANTA, GEORGIA	30309
M	000458	STANDARD TAR PRODUCTS COMPANY	2456 W CORNELL ST	MILWAUKEE WI	53209
M	000460	STURTEVANT F C COMPANY	227 SHUNPKE RD	CROMWELL CT	06416
M	000462	MIL-KIL PEST CONTROL COMPANY	1826 N MAYFAIR ROAD	MILWAUKEE, WI	53226
M	000464	MIL-KIL CHEMICAL U S A	PO BOX 1706	MIDLAND MI	48640
M	000465	L K CHEMICAL CORPORATION	5331 W 66TH ST	CHICAGO IL	60638

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 A, step 1 and Sample B, step 1.

Step 2. Use the Site/Pest/Chemical/Registration Number for Insecticides/Acaricides fiche. Locate site code 6503300010 (marsh land) and then pest code 10AMAAJ040 (mosquitoes (adult)). The chemicals registered for this use will be listed in chemical code order, first listing the single active ingredient products and then the chemical mixture products.

SITE CODE-NAME	PEST CODE-NAME	ACTIVE INGREDIENT(S)	SITE CODE/PEST CODE/CHEMICAL/REGISTRATION NUMBER (INSECTICIDES)	02/16/82	PAGE	36,068	PRODUCT COUNT
6503300010 (10AIAA030)	MARSH LAND						
	(CONT.)						
10AIAA030	PUNKIES						
	(01)059001	Temephos (0,0'-(thiodi-4,1-phenylene) bis(0,0-dimethyl phosphorothioate)					1
	007001-07701						
10AIAA040	SAND FLIES						
	(01)059001	Temephos (0,0'-(thiodi-4,1-phenylene) bis(0,0-dimethyl phosphorothioate)					1
	007001-07701						
10AIAA060	PUNKIES	(LARVAE)					
	(01)059001	Temephos (0,0'-(thiodi-4,1-phenylene) bis(0,0-dimethyl phosphorothioate)					1
	000802-00496						
10AIAA070	SAND FLIES	(LARVAE)					
	(01)059001	Temephos (0,0'-(thiodi-4,1-phenylene) bis(0,0-dimethyl phosphorothioate)					1
	000802-00496						
10AMAA010	MOSQUITOES						
	(01)057701	Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)					1
	007001-00227						
10AMAA040	MOSQUITOES	(LARVAE)					
	(01)034001	Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)					6
	000352-00075	000551-00139 000551-00238 005905-00404 005905-00405 007501-00012					
	(01)057701	Malathion (0,0-dimethyl dithiophosphate of diethyl mercaptosuccinate)					6
	000904-00153	008612-03445 011134-06019 014107-09343 034704-00003 042463-00033					
→ 10AMAAJ040	MOSQUITOES	(ADULT)					
	(01)034001	Methoxychlor (2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane)					1
	000551-00139						
	(01)090401	4-Benzothienyl methylcarbamate					1
	005187-00015						

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:

Index Section
Benefit and Field Studies Division (TS-768)

or

System Support Branch
Program Support Division (TS-757)
Office of Pesticide Programs
U. S. Environmental Protection Agency
401 M Street SW
Washington, D. C. 20460

Filing of the Microfiche

The following 48 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/ pest/chemical/registration number and chemical/site/pest/registration number fiche by the various disciplines (e.g. herbicide supraqualified and 10-digit site/pest/chemical registration number followed by herbicide supraqualified and 10-digit chemical/site/pest/registration number).

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/Chemical
Site name (Supraqualified)/Pest/Chemical/Registration number (Herbicides)	Site name (Supraqualified)/Pest/Chemical/Registration number (Antimicrobials)
Site name (Supraqualified)/Pest/Chemical/Registration number (Fungicides)	Site name (Supraqualified)/Pest/Chemical/Registration number (Insecticides)
Site name (Supraqualified)/Pest/Chemical/Registration number (Miscellaneous)	Site code/Pest code/Chemical/Registration no. (Herbicides)
Site code/Pest code/Chemical/Registration no. (Antimicrobials)	Site code/Pest code/Chemical/Registration no. (Insecticides)
Site code/Pest code/Chemical/Registration no. (Fungicides)	Site code/Pest code/Chemical/Registration no. (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 no. and Index (Herbicides)

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
24C Applications by State	Chemical/Site code/Pest code/24C Permit no.
Site code/Pest code/Chemical/24C permit no.	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 and code sequence listings)
Plant Parasitic Nematodes (Common name and code sequence listings)	Plant Pathogens/Economic Fungi (Common name and code sequence listings)

Chemical/Site code/Pest code/Registration no.
and Index (Antimicrobials)

Chemical/Site code/Pest code/Registration no.
and Index (Insecticides)

Chemical/Site code/Pest code/Registration no.
and Index (Fungicides)

Chemical/Site code/Pest code/Registration no.
and Index (Miscellaneous)