

Department of Pesticide
Regulation - Information
Systems Branch

Annual Pesticide Use

Data - User Documentation

1995 CD-ROM Media

Introduction

About this Documentation Report

This documentation report was designed to assist you with the use of the Pesticide Use Data on CD-ROM media. In this document you will find a description of the Pesticide Use data along with descriptions of respective lookup tables and a data dictionary defining each field which comprises the pesticide use database. This documentation package has been designed specifically for 1995 Pesticide Use Data on CD-ROM. The data dictionary found in this documentation describes each field along with a unique number associated with it to identify the field location as it is found within each record. A diagram has also been included on this CD-ROM titled "diagram.pdf" to depict the relationships between the UDC 95 data and all the cross reference tables.

Who to Contact

This documentation report package has been provided by the State of California Department of Pesticide Regulation - Information Systems Branch. For information on this documentation package or for further questions please contact us at: (916) 445-4110. Our mailing address is : 1020 N. Street, Rm. 322, Sacramento, CA 95814.

About the Pesticide Use Data

The Pesticide Use Data is comprised of several million records per year. In order to place the data into the CD-ROM media, we have separated the records by county. You will find 58 different data files within the CD-ROM's, each representing their respective county. Each record is assigned a unique identification number at the time it was processed, this number (field: USE_NO), in combination with the application date, chemical code, and chemical status indicator, uniquely identifies each of the individual use report records.

A product is identified by a four-part key which comprises the California Registration number. The fields are: MFG_FIRMNO, LABEL_SEQ_NO, REVISION_NO, and REG_FIRMNO. The product registration number usually does not appear on the product label in this format; it may appear only as the first two of the four parts. The first two (MFG_FIRMNO, LABEL_SEQ_NO) are usually assigned by the federal EPA. These fields represent the EPA establishment number for the company (MFG_FIRMNO) and a product sequence (LABEL_SEQ_NO) within the company. California appends a revision code (REVISION_NO) to the EPA code to identify modifications to product labels throughout the span of the product's registration. An additional field (REG_FIRMNO) is

used to identify the firm actually registering the product in California. In approximately 25% of the products registered, this number differs from the MFG_FIRMNO; therefore, the REG_FIRMNO is considered a 'sub-registration' in that one company manufactures the product and another registers it as a subordinate seller. In addition, each separate product has a uniquely assigned code product number (PRODNO) to facilitate internal processing.

About the Pesticide Use Data - Continued.

Each distinct product in the PRODUCT file is assigned a unique PRODNO. This identifier is a system generated key for internal purposes. It can be used to associate product information with chemical and site information in the PRODUCT, CHEMICAL, and SITE files without matching on the four-part registration number. Each chemical registered as an active ingredient is assigned a unique code number (CHEM_CODE). The portion of the formulated product that is not identified as 'active ingredient' is consolidated into a single code for 'inert ingredient'. While some chemicals that are listed in formulated products as inert ingredients are of toxicological concern, their identity and percentage in the product is considered 'Confidential Business Information' and is not available on these public CD-ROM's.

The Department considers a crop or commodity upon which chemicals can be used as a 'site'. Each commodity is given a 'SITE_CODE'. This code can be found in the SITE lookup table. For site names please refer to the SITE lookup table.

The Use Report Data and Description of Lookup Tables

The information in the use report data record comes from four sources: the Use Report Transaction Record (USE), the product table (PRODUCT), the Site table (SITE), and the chemical table (CHEMICAL). The use report transaction record contains information submitted by the grower or applicator about an instance of pesticide use. On an agricultural application, this includes who used it, where, when, what product or chemical was used, and how much. When a use report transaction record is verified, information is cross-referenced with the PRODUCT, CHEMICAL, SITE, and COUNTY. At this time, chemical percent is added, and product registration number and several other fields of information are retrieved from the product data in encoded format. The product fields included were selected to address a wide range of diverse groups that are necessarily of interest to any particular requester.

Lookup Tables

The following tables are either referenced to validate the use transaction data or are cross-reference tables for chemical, site (commodity), and county data:

PRODUCT: Information unique to the product such as name, registration number, status, formulation, etc.

FORMULA: Information regarding the formula composition of products.

Lookup Tables - Continued.

<u>CHEMICAL:</u>	Cross-reference table between chemical code and chemical name used by the Department.
<u>SITE:</u>	Cross-reference between site code and site name (or commodity name).
<u>COUNTY:</u>	Cross-reference table with county codes and county names.
<u>QUALIFY:</u> pesticide	Cross-reference table with qualifier codes used when code commodities to impart specific information on how to use a for a particular commodity.

About the CD-ROM's

The 1995 Pesticide Use Reporting data is placed on CD-ROM's in the standard ASCII format. The CD-ROM contains all the lookup tables and the "readme.txt" file along with the 58 files (one for each county). Each of these files represents their respective county code (Alameda = county 01, etc) and are titled 'Udc95_nn' (where nn represents each individual county code). The file naming conventions are defined as Udc representing 'Use Data Chemical' since this data is at the chemical level. 95 represents the year for which the data represents and the last two digits (nn) represent each individual county code as stated above.

To further assist you, the following tables have been made available in this documentation

package: The table "UDC Record Structure" represents the structure of each record found

within the files of this table, and is also found on the CD-ROM titled "UDC_STRU.TXT".

***Note:** To view the ".txt" files without having a "Jagged" look to it, please open these files using Notepad on your computer. The table "Record Counts by File" contains all record counts for each file as found within the CD-ROM's. The table "County Code List" defines each county code and its' respective county name.

UDC Record Structure

The following table defines the record structure as found within each file. The “start column” indicates which position in the record the field begins. The “end column” indicates which position each field ends in the record. The “field name” indicates the name of the field. The “width” specifies how many characters each field uses, “output” indicates the actual amount of characters found in the output.

The

“type” indicates whether the field is an Integer, Numeric, or Character. The “Num Dec” indicates the number of decimal places used in numeric values; it does not include the decimal point. The number of columns for a numeric field is NUM DEC + 1 (decimal point) + columns for the integer part of the number.

Start Column	End Column	Field Name	Width	Output	Type	Num Dec
1	7	USE_NO	7	7	I	-
8	13	PRODNO	6	6	I	-
14	18	CHEM_CODE	5	5	I	-
19	26	PRODCHEM_PCT	8	8	I	-
27	40	LBS_CHM_USED	14	14	N	4
41	54	LBS_PRD_USED	14	14	N	4
55	68	AMT_PRD_USED	14	14	N	4
69	77	ACRE_PLANTED	9	9	N	2
78	78	UNIT_PLANTED	1	1	C	-
79	87	ACRE_TREATED	9	9	N	2
88	88	UNIT_TREATED	1	1	C	-
89	90	UNIT_OF_MEAS	2	2	C	-
91	96	APPLIC_CNT	6	6	I	-
97	104	APPLIC_DT	8	8	C	-
105	106	COUNTY_CD	2	2	C	-
107	107	BASE_LN_MER	1	1	C	-
108	109	TOWNSHIP	2	2	C	-
110	110	TSHIP_DIR	1	1	C	-
111	112	RANGE	2	2	C	-
113	113	RANGE_DIR	1	1	C	-
114	115	SECTION	2	2	C	-
116	126	GROWER_ID	11	11	C	-
127	127	GRWR_FUT_SUF	1	1	C	-
128	128	PLANTING_SEQ	1	1	I	-
129	129	AER_GND_IND	1	1	C	-
130	131	QUALIFY_CD	2	2	I	-
132	137	SITE_CODE	6	6	I	-
138	145	SITE_LOC_ID	8	8	C	-
146	149	BATCH_NO	4	4	I	-
150	157	DOCUMENT_NO	8	8	C	-
158	161	SUMMARY_CD	4	4	I	-
162	162	RECORD_ID	1	1	C	-

Record Counts by File

Udc95_01 = 36496	Udc95_21 = 10271	Udc95_41 = 35762
Udc95_02 = 150	Udc95_22 = 1640	Udc95_42 = 172763
Udc95_03 = 3609	Udc95_23 = 12588	Udc95_43 = 53589
Udc95_04 = 43712	Udc95_24 = 152992	Udc95_44 = 60828
Udc95_05 = 3575	Udc95_25 = 4351	Udc95_45 = 6946
Udc95_06 = 35271	Udc95_26 = 253	Udc95_46 = 205
Udc95_07 = 34867	Udc95_27 = 469373	Udc95_47 = 7410
Udc95_08 = 4067	Udc95_28 = 38202	Udc95_48 = 37453
Udc95_09 = 9439	Udc95_29 = 3236	Udc95_49 = 60136
Udc95_10 = 440971	Udc95_30 = 80134	Udc95_50 = 120242
Udc95_11 = 28750	Udc95_31 = 15792	Udc95_51 = 32284
Udc95_12 = 4362	Udc95_32 = 717	Udc95_52 = 15752
Udc95_13 = 99314	Udc95_33 = 110726	Udc95_53 = 306
Udc95_14 = 732	Udc95_34 = 45116	Udc95_54 = 275976
Udc95_15 = 219328	Udc95_35 = 39651	Udc95_55 = 2945
Udc95_16 = 98732	Udc95_36 = 40218	Udc95_56 = 108200
Udc95_17 = 10106	Udc95_37 = 127682	Udc95_57 = 52012
Udc95_18 = 1064	Udc95_38 = 14007	Udc95_58 = 11361
Udc95_19 = 90191	Udc95_39 = 115011	
Udc95_20 = 79693	Udc95_40 = 98928	

County Code List

County	County
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Code	
01	Alameda
02	Alpine
03	Amador
04	Butte
05	Calaveras
06	Colusa
07	Contra Costa
08	Del Norte
09	El Dorado
10	Fresno
11	Glenn
12	Humboldt
13	Imperial
14	Inyo
15	Kern
16	Kings
17	Lake
18	Lassen
19	Los Angeles
20	Madera
21	Marin
22	Mariposa
23	Mendocino
24	Merced
25	Modoc
26	Mono
27	Monterey
28	Napa
29	Nevada
30	Orange
31	Placer
32	Plumas
33	Riverside
34	Sacramento
35	San Benito
36	San Bernardino
37	San Diego
38	San Francisco
39	San Joaquin
40	San Luis Obispo
41	San Mateo
42	Santa Barbara
43	Santa Clara
44	Santa Cruz
45	Shasta
46	Sierra
47	Siskiyou
48	Solano

49	Sonoma
50	Stanislaus
51	Sutter
52	Tehama
53	Trinity
54	Tulare
55	Tuolumne
56	Ventura
57	Yolo
58	Yuba

How To Upload the Data

- To upload the data on these CD-ROM's follow these steps:

Step 1. Insert the CD-ROM into your machine.

Step 2. Start the application program of your choice to view or access these data files. Since this data is in ASCII format you may use many different software tools to view/access this data.

Please read the "readme" file found on these CD-ROM's, it will provide you with additional information on the table/field formats.

***Note:** If you use a Spreadsheet application, you will not be able to upload all the records, since most spreadsheets have a maximum amount of records which they can open. You may want to use a spreadsheet just to view the initial record layout of the files which can assist you to become familiar with the records. Tip: You can use MS-Access and setup an import file specification based on the data structure as found in this documentation package (i.e. prodno Numeric (7) 2nd. Field in the record, etc).

****Note:** If opening these files using a word-processing application, please set your "page layout" to letter or legal landscape mode to view the entire length of the record.

Data Dictionary for 1995 Use Data

How To Use this Data Dictionary

This data dictionary is **organized by Field Sequence No.** It defines each field which comprises the use data as found within each file on the CD-ROM media. Each field has a corresponding sequence number. This sequence number is used to identify each field's location as found within each record, i.e. "4 county_cd" represents the fourth field found in each record to be the "county code", 15 site_loc_id" represents the fifteenth field found in each record to be "site location id", etc.

Each file on this CD-ROM begins with the naming convention: UDC95_(nn) , for Use Data Chemical (UDC) 1995 by county, (nn) represents each county code, ie. UDC95_01 = Use Data Chemical for 1995 for county 01 (Alameda), etc.

For each Field the field name is given as found in each record along with the full name defined. A "Data Type" is given to indicate whether the field is numeric or character (CHAR). The format is shown by indicating, for numeric, the number "9" extended to the actual width of the field, for example a 7 digit numeric field would have a format of "9999999" and a 1 digit numeric field would have a format of "9". A character field of 7 characters would have a format of "AAAAAAA" and for longer fields such as a character field of 100 the format is displayed as A(100). A description of the field is provided along with any notes and validations specific to this field.

Field Sequence No. 1

Field Name: **USE_NO** : **Use Number**

Data Type: NUMERIC

Format: 99999999

Description: System assigned sequential number to uniquely identify use transaction record within a year.

Notes: Use this number to identify all records associated with a single application of a product. USE_NO, CHEM_CODE, and APPLIC_DT combine to make the primary key (unique identifier) of Use Records.

Validation:

Field Sequence No. **2**

Field Name: **PRODNO: Product Number**

Data Type: NUMERIC

Format: 99999999

Description: System assigned product number, used internally in the database.
This has a one to one relationship to the four part key composed of:
MFG_FIRMNO + LABEL_SEQ_NO + REVISION_NO +
REG_FIRMNO (aka California Registration Number) as reported.

Notes: Extracted from the Label database.

Validation:

Field Sequence No. 3

Field Name: **CHEM_CODE : Chemical Code**

Data Type: NUMERIC

Format: 99999

Description: The chemical code field. Identifies the active ingredient within the applied product.

Notes: Extracted from Label databases through the key field PRODNO, a 'proprietary' code created by the Department of Pesticide Regulation. Analogous to the US EPA Shaughnessy number. NOTE: applications are reported by product. A separate use_data_chemical record is created for each active ingredient (AI) contained in the applied product, and the pounds of active ingredient applied are calculated based upon the percent of AI within the product.

Validation: CHEMICAL table. Must be a recent valid Chemical Code found within the Department of Pesticides' master "Chemical" table.

Field Sequence No. 4

Field Name: *PRODCHEM_PCT*: Product Chemical Percent

Data Type: NUMERIC

Format: 99.99999

Description: The percentage amount of chemical found in the product as found on the product label.

Notes:

Validation: Must be a positive number and less than 100. Cannot be greater than 100 or a negative value.

Field Sequence No. **5**

Field Name: **LBS_CHM_USED : Pounds Chemical Used**

Data Type: NUMERIC

Format: 999999999.9999

Description: Pounds of the active ingredient applied. The specific active ingredient is identified in the CHEM_CODE field.

Notes: $Lbs_chm_used = lbs_prd_used * (prodchem_pct) / 100$; that is,
pounds of product used times the percent active ingredient, divided by 100.
Each Note: there may be more than 1 active ingredient per product,
 therefore, do not use this field to calculate total product applied.
 application is converted to pounds, based on formulation (wet, dry,
reports. etc.), specific gravity (if applicable), AMT_PRD_USED (amount
 product used), and (UNIT_OF_MEAS) unit of measure. Note: this
 value is used to calculate total pounds in the annual summary

Field Sequence No. 6

Field Name: **LBS_PRD_USED : Pounds Product Used**

Data Type: NUMERIC

Format: 999999999.9999

Description: Pounds product applied. The pounds of product applied can include product applied to soil, commodities, etc.

Notes: Lbs_chm_used = lbs_prd_used * (prodchem_pct) / 100; that is,
pounds of product used times the percent active ingredient divided by 100.
This field is used to derive Lbs_chm_used as stated in above formula.

Field Sequence No. **7**

Field Name: **AMT_PRD_USED : Amount Product Used**

Data Type: NUMERIC

Format: 999999999999

Description: Numeric units of product reported used. Is converted to pounds of product used during internal validation. See UNIT_OF_MEAS for related units.

Notes: Potential source of error during key data entry when decimal points and comma's are transposed (i.e. 'European' decimal notation) in the transaction record. For example: 34.725 is written as 34,725 so the amount is erroneously interpreted as 'thirty-four thousand seven hundred twenty five', instead of 'thirty-four point seven two five'.

Validation: Must be less than 3000 if Unit of Measure is GA (Gallons).

FIELD Sequence No. 8

Field Name: **ACRE_PLANTED: Acres Planted**

Data Type: NUMERIC

Format: 999999.99

Description: Size of field, or other unit (eg. number of tree trunks), that the application occurred on. See UNIT_PLANTED for related units.

Notes: Example, if the application occurred on a planted field of 100 acres, then ACRE_PLANTED = 100, and UNIT_PLANTED = A. NOTE: square feet are converted to acres for internal validation process.
NOTE: Total acres planted to particular commodities in the state or a county (ie. agricultural statistics) cannot be reliably determined from this data.

Validation: Must be less than or equal to (>=) ACRE_TREATED, and UNIT_PLANTED must be equal to (=) UNIT_TREATED. Must be a numeric value.

Field Sequence No. 9

Field Name: ACRE_TREATED : Acres Treated

Data Type: NUMERIC

Format: 999999.99

Description: Number of planted units (eg. ACRES) upon which pesticide was actually applied. Combine with Unit_treated.

Notes: Example, if the application occurred on a planted field of 100 acres, then ACRE_TREATED = 100, and UNIT_TREATED = A. If the application occurred on only 50 acres of a 100 acre field, then ACRE_TREATED = 50. NOTE: square feet are converted to acres for internal validation process. NOTE: The location of actual ground areas receiving the application within cannot be distinguished. For example: two 50 acre applications within a 100 acre field may have occurred twice on the same ground, or may represent single applications to two distinct 50 acre subdivisions. NOTE: Total area of ground receiving pesticide applications in the state or a county (ie. agricultural statistics) cannot be reliably determined from this data.

Validation: Must be <= ACRE_PLANTED, and UNIT_PLANTED must = UNIT_TREATED. Must be a numeric value.

Field Sequence No. **10**

Field Name: **UNIT_OF_MEAS** : **Unit of Measure**

Data Type: CHAR

Format: AA

Description: Unit of measure refers to amount product used as
OZ (ounces),
LB (pounds),
PT (pints),
QT (quarts),
GA (gallons),
ML (milliliters),
LI (liters),
GR (grams),
KG (kilograms).

Notes:

Validation: OZ, LB, PT, QT, GA, ML, LI, GR, KG, and also depends on
formulation type

Field Sequence No.: 11

Field Name: **UNIT_PLANTED:** Unit Type (Planted)

Data Type: CHAR

Format: A

Description: Refers to type of units planted as reported in ACRE_PLANTED.
Possible values include: A, K, T, U, S, C, P.

Notes: Codes are:
A (acres),
K (thousand cubic feet),
T (tons),
U (misc.unit),
S (square feet),
C (cubic feet),
P (pounds).
U (Misc) Examples of misc. units include: bins, treeholes,
bunches, pallets, etc.

Note: prior to 9/95, validation for nursery codes (151 - 156) were not performed.

Validation: A, K, T, U, S, C, P. For site codes less than 150, will be blank.

Field Sequence No. 12

Field Name: **UNIT_TREATED:** **Unit Type (Treated)**

Data Type: CHAR

Format: A

Description: Refers to type of units treated as reported in ACRE_TREATED.
Possible values are: A, K, T, U, C, or P.

Notes: A (acres),
K (thousand cubic feet),
T (tons),
U (misc. unit),
S (square feet),
C (cubic feet),
P (pounds).
Examples of misc. units (U) include: bins, treeholes,
bunches, pallets, etc. Note: prior to 7/95, validation only
performed for site codes > 999.

Validation: A, K, T, U, S, C, P. For site codes less than 150, will be
blank. Must be less than units planted.

Field Sequence No. **13**

Field Name: **APPLIC_CNT : Application Count**

Data Type: NUMERIC

Format: 999999

Description: Total number of applications that a operator performed within the reporting month.

Notes: Applies to RECORD_ID '9' , 'D' or 'H' only (monthly structural or non-ag use reports).

Validation: Must be a numeric value.

Field Sequence No. 14

Field Name: **APPLIC_DT : Application Date**

Data Type: DATE

Format: MMDDYYYY

Description: Date that the pesticide was applied. Format: mmddyyyy

Notes: Non-production summary date (RECORD_ID = ' 2', 'C', or 'G') is arbitrary and does not reflect actual date of application.

Validation: Must be < current system date, and year must be consistent with current database year. Must be a valid date.

Field Sequence No. **15**

Field Name: **COUNTY_CD: County Code**

Data Type: CHAR

Format: AA

Description: Standard county number ID code established by numbering an alpha sorted list of county names. For example, '01' = Alameda; '58' = Yuba.

Notes: See "County" cross reference table on CD-ROM and "County List" in documentation package.

Validation: Must be 01 - 58. Not blank.

Field Sequence No. 16

Field Name: BASE_LN_MER : Baseline & Meridian

Data Type: CHAR

Format: A

Description: Public Lands Survey System Baseline & Meridian for the application location. Often referred to as the 'Meridian'.

Notes: Combine county, meridian, township, range and section fields to identify unique location within Public Land Survey.

Validation: Examples are: S= San Bernardino, M= MT. Diablo, H=Humboldt.

Field Sequence No. **17**

Field Name: **TOWNSHIP** : Township Number

Data Type: CHAR

Format: AA

Description: Number of the township within the Public Land Survey System where the application occurred. Must be combined with BASE_LN_MER and TSHIP_DIR to determine unique locations.

Notes:

Validation: 0 (not reported or not required), or 1-48

Field Sequence No. **18**

Field Name: **TSHIP_DIR : Township Direction**

Data Type: CHAR

Format: A

Description: Public Land Survey System township direction for the range where an application was reported. Townships are numbered in a north/south direction from a base meridian.

Notes: (copy from range_dir)

Validation: Must be N = North or S = South.

Field Sequence No. 19

Field name: RANGE : Range

Data Type: CHAR

Format: AA

Description: Number of the range within the Public Land Survey System where the application occurred. Must be combined with BASE_LN_MER and RANGE_DIR to determine unique locations.

Notes: Note: will not appear, or will be '00' on use reports where location information is not required (eg. structural, landscape., etc). Each meridian, township, and range combination on a use report must fall within the reported county.

Validation: 0 (not required or reported), or 1 to 47

Field Sequence No. **20**

Field Name: **RANGE_DIR : Range Direction**

Data Type: CHAR

Format: A

Description: Public Land Survey System range direction for the range where an application was reported. Ranges are numbered in an east/west direction from a base meridian.

Notes:

Validation: Valid values are: E = East, W = West.

Field Sequence No. **21**

Field Name: **SECTION: Section**

Data Type: CHAR

Format: AA

Description: An area of approximately one square mile, within the
Public Land Survey System, where the application
occurred.

Notes:

Validation: 1 to 36.

Field Sequence No. 22

Field Name: GROWER_ID: Grower Identification Number

Data Type: CHAR

Format: AAAAAAAAAA

Description: Number assigned to grower or operator by County Agricultural Commissioners. The value has significance to the restricted materials permit program, and 100% Use Reporting. Also known as the permit number, or operator identification number.

Notes: The number is composed of: (reporting county_cd) + (application year) + (permitting county_cd) + (permit number); where, the reporting county_cd (2 digits) is the county where the pesticide application occurred. The application year is the last two digits of year when the application occurred, the permitting county_cd is the county that originally issued the permit (2 digits), and the permit number is an arbitrary number assigned to the permit (5 digits). USE NOTE: the last seven digits may be used to identify individual permittees. DPR does not collect names and addresses of growers or permittees; that information is only available from the County Agricultural Commissioner. The GROWER_ID + SITE_LOC_ID may identify unique agricultural parcels or fields.

Validation:

Field Sequence No. **23**

Field Name: **GRWR_FUT_SUF** : **Grower Future Suffix**

Data Type: CHAR

Format: A

Description: Reserved for future use.

Notes: Intended to accommodate the original permit number format. Not in
 use at this time.

Validation:

Field Sequence No. **24**

Field Name: **PLANTING_SEQ** : **Planting Sequence**

Data Type: NUMERIC

Format: 9

Description: Number to indicate multiple plantings of the same crop or
commodity at the same site_loc_id (site location identification).
Not uniformly used; not validated.

Notes:

Validation:

Field Sequence No. 25

Field Name: **AER_GND_IND** : **Aerial/Ground Indicator**

Data Type: CHAR

Format: A

Description: Air/Ground Application Flag, or Method of Application. Indicates whether the product was applied by air or ground equipment.

Notes: Other application methods (O) may include: paint, ear tag, injection, chemigation, etc.

Validation: A = Aerially applied;
B = Ground (Ground-based Equipment) applied;
C = Ground/Aerial Application

Field Sequence No. 26

Field Name: **QUALIFY_CD** : Qualifier Code

Data Type: NUMERIC

Format: 99

Description: The site qualifier code modifies or limits the meaning of the site code upon which the product was used. Example: '04' indicates 'grown for seed'.

Notes: Some counties use this code to keep more detailed records of crop types or varieties, but it is not a required field.
See "Qualify" Cross Reference Table.

Validation:

Field Sequence No. **27**

Field Name: **SITE_CODE : Site Code**

Data Type: NUMERIC

Format: 999999

Description: Site code from list established by US EPA and modified for use by DPR. Indicates the target site that a pesticide was applied to. Also known as **Commodity Code**. It does not refer to the spatial location of a pesticide application (e.g. a field).

Notes:

Validation: Must be a valid site (commodity) code.

Field Sequence No. **28**

Field Name: **SITE_LOC_ID : Site Location ID**

Data Type: CHAR

Format: AAAAAAAAA

Description: Also known as Site ID. A code assigned by County
 Agricultural Commissioner (CAC) on the use permit
 which indicates a particular location (field) where an
 application may occur.

Notes: It was designed to uniquely identify geographic field
 locations, but is currently assigned at the discretion of
 individual CACs and growers.

Validation:

Field Sequence No. 29

Field Name: BATCH_NO : Batch Number

Data Type: NUMERIC

Format: 9999

Description: Internal tracking number. Useful during trouble shooting and error correction investigations.

Notes: Used as part of inventory control for manual key data entry, or for transmitting data from counties to DPR. NOTE: not included in the 1990 PUR database.

Validation:

Field Sequence No. **30**

Field Name: **DOCUMENT_NO** : **Document Number**

Data Type: CHAR

Format: AAAAAAAAA

Description: Internal sequential tracking number (non-unique). Within DPR, refers to a physical piece of paper within a batch of use documents.

Notes: This field is part of a document and line item identifier for physical inventory control. For the internal DPR data entry process, it is combined with process month, batch number and document sequence number (aka summary code) to uniquely identify an input record. May be used differently by individual counties for their own internal tracking systems.

Validation:

Field Sequence No. **31**

Field Name: **SUMMARY_CD : Summary Code**

Data Type: NUMERIC

Format: 9999

Description: The line number found within the document for most record types.
Indicates how many "lines" (records) are contained on a hard copy document.

Notes: For Internal Use Only.

Validation:

Field Sequence No. **32**

Field Name: **RECORD_ID :** Record Identification Number

Data Type: CHAR

Format: A

Description: The record identification number which identifies each record stored within the UDC database.

Notes:

Validation:

Lookup Tables / Data Dictionary

Product Table

Field Sequence No. 1

Field Name: **PRODNO:** Product Number

Data Type: NUMERIC

Format: 9999999

Description: System assigned product number, used internally in the database. This has a one to one relationship to the four part key composed of: MFG_FIRMNO + LABEL_SEQ_NO + REVISION_NO + REG_FIRMNO (aka California registration number) as reported.

Notes: Primary Key. Extracted from DPR's Label database.

Validation: Must be found on master label file - valid product number.

Product Lookup Table Cont.

Field Sequence No. **2**

Field Name: **MFG_FIRMNO : Manufacturer Firm Number**

Data Type: NUMERIC

Format: 9999999

Description: Numeric code assigned by the US EPA to the manufacturing company, or by California if the company has no products registered with US EPA (i.e. is a 'California only' registration). One of the four parts of the California Registration number.

Notes:

Validation: Can be up to 7 digits in length

Field Sequence No. **3**

Field Name: **REG_FIRMNO:** **Registration Firm Number**

Data Type: NUMERIC

Format: 9999999

Description: Numeric code assigned to the registrant firm by US EPA. One of four parts of the product key (a.k.a. California Registration Number). Also known as the sub-registration number, or the 'California' sub-registrant.

Notes: If this field is empty, it implies that the manufacturer is the registrant.

Validation: Must be numeric.

Field Sequence No. 4

FIELD NAME: LABEL_SEQ_NO: Label Sequence Number

Data Type:	NUMERIC
Format:	99999
Description:	The Environmental Protection Agency's sequence number for a new product within the registrant company. One of four parts of the California registration number.
Notes:	US EPA uses a number based on production firm number, label sequence number, and the registrant firm number only. California assigns an alpha revision code.
Validation:	Must exist as part of a registered product in the Label database.

Field Sequence No. 5

Field Name: **REVISION_NO : Revision Number**

Data Type: CHAR

Format: AA

Description: The revision code (a.k.a. number - Product Label revision).
One of four parts of the product key (a.k.a. California
Registration Number). Values 'AA' through 'ZZ'.

Notes: If not reported on the use report, this value defaults to 'AA'.
The field is used to validate whether a product exists,
not used for product/site validations. Products whose
registration numbers vary only by the revision code
'no substantive changes' to product formulation.

but is

have

Validation:

Field Sequence No. **6**

Field Name: **FUT_FIRMNO : Future Firm Number**

Data Type: NUMERIC

Format: 9999999

Description: This field was included for future expansion where new relationships for a Company was needed to be Identified. Was used since there were no fields built to hold this information.

Notes: Reserved for future use.

Validation:

Field Sequence No. 7

Field Name: **PRODSTAT_IND : Product Status Indicator**

Data Type: CHAR

Format: A

Description: Indicates product registration status (e.g. is currently registered, is suspended, etc.) ACTIVITY_STATUS.

Notes: Extracted from the Label database. May be used to screen inactive products for certain analysis. 'A' = Active, 'B' = Inactive, 'C' = Inactive Not Renewed, 'D' = Inactive Voluntary Cancellation, 'E' = Inactive Cancellation, 'F' = Inactive Suspended, 'G' = Active Suspended, 'H' =

Validation: 'A' to 'H'

Field Sequence No. 8

Field Name: **PRODUCT_NAME : Product Name**

Data Type: CHAR

Format: A(100)

Description: The name of the product from label. May be modified by Registration Branch to ensure uniqueness.

Notes: Can be up to a maximum of **100 characters** in length.

Validation:

Field Sequence No. 9

Field Name: **SHOW_REGNO : Show Registration Number**

Data Type: CHAR

Format: A(24)

Description: The Registration Number of the product formatted for display purposes. This field is up to 24 characters in length.

Notes:

Validation:

Field Sequence No. 10

Field Name: **AER_GRND_IND : Aerial/Ground Applicator Indicator**

Data Type: CHAR

Format: A

Description: Air/Ground Application Flag, or Method of Application. Indicates whether the product applied by air or ground based equipment.

Notes: Other application methods (O) may include: paint, ear tag, injection, chemigation, etc.

Validation: Must be 'A' = Aerial applied, 'G' = Ground applied, 'O' = Other application method.

Field Sequence No. 11

Field Name: **AGRICCOM_SW : Agricultural Commissioner Switch**

Data Type: CHAR

Format: A

Description: The Agricultural Commissioner Use Flag. The flag indicates if the registration is exempt from Mill Assessments. Agricultural_Commissiones.

Notes: Extracted from the Label database; not part of the field document.

Validation: Blank (' ') = Not Exempt; 'X' = Exempt

Field Sequence No. **12**

Field Name: **CONFID_SW** : **Confidential Data Indicator**

Data Type: Char

Format: A

Description: Indicates that the product is a spreader/sticker (a product that enhances effectiveness of another product). May be an adjuvant product. The product formulation is confidential. Confidential_Data_Indicator.

Notes: Extracted from the Label database. The percent of active and inert ingredients constitutes the product formulation. Product formulations are confidential business information; if the formulation can be deduced from the active ingredient list, then this must be screened as CBI data.

NOTE: The name originated at a time when there was confusion regarding whether spreader/stickers were
NOTE: The product/commodity combination is not on use reports where this flag is "X".

CBI.
verified

Validation:

Field Sequence No. **13**

Field Name: **DENSITY : Density**

Data Type: NUMERIC

Format: 99.999

Description: The weight per unit volume (W/V), expressed as grams per cubic centimeter for solids and liquids and usually as grams per liter for gasses. The pesticide formula density in lbs./gallons. Density is derived from specific gravity at conditions. Example: Grams per Millimeter, Mercury 13.8gms. per cc.

given

Notes:

Validation:

Field Sequence No. **14**

Field Name: **FORMULA_CD : Formulation Code**

Data Type: CHAR

Format: AA

Description: Formulation of the product. For example: granular, pressurized liquid, emulsifiable concentrate, etc.

Notes: Extracted from the Label database ('Label. Product'). See "Formula" Cross Reference Table.

Validation:

Field Sequence No. 15

Field Name: FULL_EXP_DT : Full Expiration Date

Data Type: DATE

Format: MMDDYYYY

Description: Expiration date for full product conditional registration.

Notes:

Validation:

Field Sequence No. 16

Field Name: FULL_ISS_DT : Full Issuance Date

Data Type: Date

Format: MMDDYYYY

Description: The issue date of full product conditional use registration,
i.e. Sec. 18, Sec. 5, Sec 24c.

Notes:

Validation:

Field Sequence No. 17

Field Name: **FUMIGANT_SW: Fumigant Flag**

Data Type: CHAR

Format: A

Description: Set to 'X' if product label indicates use for fumigation. Use in validating use reporting for commodity fumigations.

Notes: Extracted from Label database (Label.product). Note: There is no product/site validation for use reports if this flag is set to 'X'. (The product may be used for fumigation to planting before the target commodity is known, or specific commodities do not appear on the label).

Validation:

prior

Field Sequence No. **18**

Field Name: **GEN_PEST_IND: General Pesticide Type Indicator**

Data Type: CHAR

Format: A

Description: Indicates whether the product is a chemical (C), Microbial (M) (e.g. Bacillus thurengensis), or both (K).

Notes: Extracted from the Label database.

Validation: 'C', 'M', or 'K'.

Field Sequence No. **19**

Field Name: **LASTUP_DT : Last Update Date**

Data Type: DATE

Format: MMDDYYYY

Description: This is the date when the record was last updated.

Notes:

Validation:

Field Sequence No. 20

Field Name: **MFG_REF_SW:** **Manufacturing Reformulation Flag**

Data Type: CHAR

Format: A

Description: Indicates that the product's sole use is for repackaging, has no end use, and is not subject to mill assessment. Not for resale.

Notes: Extracted from Label database. Also referred to as "Manufacturing Use Only", the MFG, reformat, or repack manufacturer reformat/repack flag.

Validation: 'X' or ' ' (blank).

Field Sequence No. 21

Field Name: *PROD_INAC_DT*: *Product Inactivation Date*

Data Type: DATE

Format: MMDDYYYY

Description: The date when the product became inactivated.

Notes: If a product is no longer registered, it becomes inactivated..this is the date in which the product is as inactivated.

reported

Validation:

Field Sequence No. **22**

Field Name: **REG_DT : Registration Date**

Data Type: DATE

Format: MMDDYYYY

Description: The date when the pesticide was originally registered with the Department of Pesticide Regulation.

Notes:

Validation: Extracted from the Label database via PRODNO.

Field Sequence No. **23**

Field Name: **REG_TYPE_IND:** **Registration Type Indicator**

Data Type: CHAR

Format: A

Description: The product registration type. Example: Section 3, Section 18, Section 24c, etc.

Notes: Extracted from Label database via PRODNO. 'A' = Section 3 Regular Registration, 'B' = Section 24(C) Full Product SLN, 'C' = Section 5 Full Product Federal Experimental Use, 'D' = California Registration Only, Emergency Section 18

'E' =

Validation:

Field Sequence No. **24**

Field Name: **RODENT_SW : Rodenticide Flag**

Data Type: CHAR

Format: A

Description: Indicates that the product is registered as a Rodenticide.

Notes: Used to bypass product/site validation process. Products registered as rodenticides may be reported on any site on a property; the site is incidental to the intended use control).

(rodent

Validation: ‘ ‘ (blank = no), or ‘X’ (yes).

Field Sequence No. 25

Field Name: **SIGNLWRD_IND: Signal Word Indicator**

Data Type: NUMERIC

Format: 9

Description: The signal word indicator corresponds to: 1 Danger (Poison), 2 Danger (Only), 3 Warning, 4 Caution, 5 None.

Notes: Labels submitted after January 1995 must show a signal word of Danger (Poison), Danger (Only), Warning or Caution.

Validation: 1 through 5

Field Sequence No. **26**

Field Name: **SOILAPPL_SW : Soil Application Flag**

Data Type: CHAR

Format: A

Description: Field indicates if the product can be applied directly to the soil.

Notes:

Validation: ‘ ‘ blank (no), or ‘X’ (yes)

Field Sequence No. 27

Field Name: **SPECGRAV_SW** : **Specific Gravity Switch**

Data Type: CHAR

Format: A

Description: The specific gravity flag. Indicates whether the gravity is
actual (from application) or estimated (calculated from
data).

other

Notes:

Validation:

Field Sequence No. **28**

Field Name: **SPEC_GRAVITY : Specific Gravity**

Data Type: NUMERIC (6,4)

Format: 9.9999

Description: The specific gravity of the product.

Notes: The ratio of the density of a substance to the density of a reference substance; it is an abstract number that is unrelated to any units. For solids and liquids, specific gravity is numerically equal to density, but for gasses it is not, because of the difference between the densities of the reference substance, which are usually water for solids and liquids and air for gasses. This value can be a negative value. Some products do not have specific gravity associated with them. The default value is (-1) one.

negative

Validation:

Field Sequence No. 29

Field Name: **CONDREG_SW:** **Conditional Registration Switch**

Data Type: CHAR

Format: A

field

Description: If there is a Conditional Registration on the product, this gets flagged. Used primarily when the product gets registered, identifies the product as a “Conditional Registration”.

Notes:

Validation:

Lookup Tables / Data Dictionary Continued...

Chemical Table

Field Sequence No. **1**

Field Name: **CHEM_CODE** : Chemical Code

Data Type: NUMERIC

Format: 99999

Description: The chemical code field. Identifies the active ingredient within the applied product.

Notes: Extracted from Label databases through the key field PRODNO, a 'proprietary' code created by the Department of Pesticide Regulation. Analogous to the US EPA Shaughnessy number. NOTE: applications are reported by product. A separate use_data_chemical record is created for each active ingredient (AI) contained in the applied product, and the pounds of active ingredient applied are calculated based upon the percent of AI within the product.

Validation: from CHEMICAL

Field Sequence No. **2**

Field Name: **CAS_NUMBER :** **Chemical Abstract Service Number**

Data Type: CHAR

Format: AAAAAAAAAA

Description: The identifying number assigned by the Chemical Abstract Service.
A numeric designation that is given to a specific chemical compound by
the Chemical Abstract Service.

Notes: Not all chemicals have an assigned CAS number.

Validation:

Field Sequence No. 3

Field Name: **CHEMALPHA_CD : Chemical Alpha Sort Code**

Data Type: NUMERIC

Format: 999999

Description: Used to sort the chemical names in this database.

Notes:

Validation:

Field Sequence No. 4

Field Name: **CHEMNAME** : **Chemical Name**

Data Type: CHAR

Format: A(170)

Description: The common chemical name field. Identifies the chemical name for each chemical.

Notes: The chemical name is a long text value of a maximum of **170 characters in length**.

Validation: Must be a current chemical from the chemical master table.

Lookup Tables / Data Dictionary Continued...

Site Table

Field Sequence No. 1

Field Name: **SITE_CODE :** Site Code

Data Type: NUMERIC

Format: 999999

Description: The site (commodity) code field. Identifies the commodity in which pesticides were applied to. Site code from list established by US EPA and modified for use by DPR. Indicates the target site that a pesticide was applied to. Also known as **Commodity Code**. It does not refer to the spatial location of a pesticide application (e.g. a field).

Notes: Site code = Commodity code.

Validation: Must be a valid site code, must be numeric with a maximum of 6 digits.

Field Sequence No. **2**

Field Name: **SITE_NAME:** **Site Name**

Data Type: CHAR

Format: A(50)

Description: The site name (commodity name) field. Identifies the name of the commodity (i.e. strawberries, wine grapes, tomatoes, etc.). The site name **can be up to a maximum of 50 characters** in length.

Notes:

Validation:

Lookup Tables / Data Dictionary Continued...

Formula Table

Field Sequence No. **1**

Field Name: **FORMULA_CD : Formulation Code**

Data Type: CHAR

Format: AA

Description: Formulation of the product. For example: granular, pressurized liquid, emulsifiable concentrate, etc.

Notes: Extracted from the Label database (Label.product).

Validation:

Field Sequence No. 2

Field Name: FORMULA_DSC : Formulation Description

Data Type: CHAR

Format: A(40)

Description: The formulation code description. Is used to describe the various
formulation types for each product.

Notes: Can be a maximum of 40 characters in length.

Validation:

Lookup Tables / Data Dictionary Continued...

County Table

Field Sequence No. **1**

Field Name: **COUNTY_CD** : **County Code**

Data Type: CHAR

Format: AA

Description: The county code field. Identifies each County within California.

Notes: Primary key

Validation: 2 Digit field. Must be within 01 - 58 .

Field Sequence No. **2**

Field Name: **COUNTY_NAME** : **County Name**

Data Type: CHAR

Format: AAAAAAAAAAAAAA

Description: The county name field. Identifies each County within California.

Notes:

Validation: Must be a valid county name found within the State of California.

Lookup Tables / Data Dictionary Continued...

Qualify Table

Field Sequence No. **1**

Field Name: **QUALIFY_CD : Qualify Code**

Data Type: NUMERIC

Format: 999

Description: The qualify code field. Qualifier codes are used when code commodities to impart specific information on how to use a pesticide for a particular commodity.

Notes: If two or more qualifiers apply to a single commodity, all qualifiers should be coded. For example, a label has tomatoes field grown, grown for seed, and grown in the greenhouse. The corresponding coding should be 11005-00, 11005-04, and 11005-10. **Please refer to the “Qualify” lookup table provided on the CD-ROM.**

Validation: 3 Digit numeric field.

Field Sequence No. **2**

Field Name: **QUALIFY_DSC : Qualify Description**

Data Type: CHAR

Format: A(50)

Description: The qualify description field. Used to describe each qualifier code. Please refer to the “Qualify” Cross Reference table for each qualify description.

Notes:

Validation: 50 character field.