



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

MEMORANDUM

SUBJECT: Process for Defining High-Use Fumigation Areas at the State and County Levels (DP# 364647)

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In J. P. [unclear] for Monisha Kaul 14 May 2009

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In J. P. [unclear] for Arnet Jones 14 May 2009

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PRODUCT REVIEW PANEL: May 6, 2009

As part of the mitigation required in the reregistration eligibility decisions for the soil fumigants (i.e., chloropicrin, dazomet, metam potassium, metam sodium, and methyl bromide), EPA is requiring the soil fumigant registrants to develop and implement community outreach programs and first responder training programs for communities in high-use fumigant areas. This document describes the process developed by the Biological and Economic Analysis Division (BEAD) for identifying high-use fumigant areas at the county level.

Identifying high-use fumigant areas is a two step process because reliable fumigant use data are not available at the county level from publically available or from EPA proprietary sources. First, BEAD provided a ranking of fumigant use in each state using EPA proprietary data. Although state-level data are available from USDA-NASS, EPA

proprietary data are more robust. Second, high-use counties should be identified within those states using crop acreage as an indicator of usage. This step will be the registrant's responsibility. However, the process is described below. In addition, the excel file accompanying this document provides an example of this process using metam sodium (high use fumigant areas.exe).

State Ranking

The following describes the process for ranking fumigant use in each state. The average pounds applied across ten years (1999 -2008) was obtained from EPA proprietary data. Detailed data and calculations can be found in the accompanying excel file (high-use fumigant areas.exe). According to EPA proprietary data, Dazomet usage totals less than 100 pounds over the ten year period and, therefore, is not considered further for this purpose. Thresholds for identifying high-use states will be set by Special Review and Registration Division (SRRD). The following is an example of potential metam sodium/potassium high-use states identified through this process if the cutoff of 100,000 pounds is considered.

- Metam Sodium/Potassium: California, Washington, Idaho, Oregon, Wisconsin, Michigan, Florida, Minnesota, North Carolina, Virginia, Arizona, Nevada, Georgia, Colorado, and North Dakota

County Ranking

The registrants will be required to identify counties within each high-use state where fumigant use may be high using the following county ranking procedure developed by BEAD. Crop acreage is used as a surrogate indicator of fumigant usage because, at the county level, public fumigant use data are not available and EPA proprietary data are not suitable because those surveys may not include each county in a state or the number of observations are too low to adequately represent actual usage at the county level. Crop acreage can be obtained from the 2007 USDA Census of Agriculture. Acreages should be obtained for major use sites for each fumigant and then summed by county. A "major use site" is defined as having greater than five percent crop treated and/or at least one million pounds applied in the U.S. over two years (2004-2005). The following lists the major use sites by fumigant. SRRD will provide specific guidance for identifying high-use counties.

- Methyl Bromide: cantaloupes, peppers, squash, strawberries, tomatoes, watermelons.
- Metam Sodium/Potassium: artichokes, cabbage, cantaloupes, carrots, lettuce, onions, peanuts, peppers, potatoes, spinach, squash, tomatoes, watermelons.
- Chloropicrin: cantaloupes, peppers, squash, strawberries, sugar beets, tobacco, tomatoes, watermelons.

Active Ingredient	State	Average Annual Pounds Applied	Percent of Total	Running Total
CHLOROPICRIN	FLORIDA	3,169,848	33%	33%
CHLOROPICRIN	CALIFORNIA	2,786,509	29%	62%
CHLOROPICRIN	NORTH CAROLINA	1,771,442	18%	80%
CHLOROPICRIN	GEORGIA	608,828	6%	87%
CHLOROPICRIN	SOUTH CAROLINA	324,106	3%	90%
CHLOROPICRIN	IDAHO	274,641	3%	93%
CHLOROPICRIN	OREGON	192,071	2%	95%
CHLOROPICRIN	WASHINGTON	140,761	1%	96%
CHLOROPICRIN	COLORADO	54,803	1%	97%
CHLOROPICRIN	MICHIGAN	54,460	1%	97%
CHLOROPICRIN	VIRGINIA	41,566	0%	98%
CHLOROPICRIN	OHIO	31,996	0%	98%
CHLOROPICRIN	TENNESSEE	17,739	0%	98%
CHLOROPICRIN	TEXAS	17,281	0%	98%
CHLOROPICRIN	PENNSYLVANIA	14,857	0%	99%
CHLOROPICRIN	ALABAMA	14,791	0%	99%
CHLOROPICRIN	MISSISSIPPI	13,145	0%	99%
CHLOROPICRIN	NEBRASKA	12,329	0%	99%
CHLOROPICRIN	ARKANSAS	11,999	0%	99%
CHLOROPICRIN	INDIANA	11,887	0%	99%
CHLOROPICRIN	NEW MEXICO	10,754	0%	99%
CHLOROPICRIN	IOWA	10,114	0%	100%
CHLOROPICRIN	WYOMING	9,851	0%	100%
CHLOROPICRIN	ARIZONA	9,627	0%	100%
CHLOROPICRIN	SOUTH DAKOTA	9,021	0%	100%
CHLOROPICRIN	MARYLAND	6,794	0%	100%
CHLOROPICRIN	NEW YORK	4,884	0%	100%
CHLOROPICRIN	KENTUCKY	3,131	0%	100%
CHLOROPICRIN	LOUISIANA	2,028	0%	100%
CHLOROPICRIN	MINNESOTA	928	0%	100%
CHLOROPICRIN	MISSOURI	830	0%	100%
CHLOROPICRIN	WISCONSIN	612	0%	100%
CHLOROPICRIN Total		9,633,632		
DAZOMET	COLORADO	79	100%	100%
DAZOMET Total		79		
METAM SODIUM	CALIFORNIA	18,818,502	35%	35%
METAM SODIUM	WASHINGTON	14,093,550	26%	62%
METAM SODIUM	IDAHO	11,621,449	22%	83%
METAM SODIUM	OREGON	2,352,674	4%	88%
METAM SODIUM	WISCONSIN	2,019,196	4%	92%
METAM SODIUM	MICHIGAN	1,170,847	2%	94%
METAM SODIUM	FLORIDA	566,266	1%	95%
METAM SODIUM	MINNESOTA	459,273	1%	96%
METAM SODIUM	NORTH CAROLINA	449,312	1%	97%
METAM SODIUM	VIRGINIA	386,833	1%	97%
METAM SODIUM	ARIZONA	285,970	1%	98%
METAM SODIUM	NEVADA	282,061	1%	98%

METAM SODIUM	GEORGIA	235,719	0%	99%
METAM SODIUM	COLORADO	172,001	0%	99%
METAM SODIUM	NORTH DAKOTA	132,367	0%	99%
METAM SODIUM	NEW YORK	81,457	0%	100%
METAM SODIUM	NEW JERSEY	72,588	0%	100%
METAM SODIUM	NEBRASKA	65,400	0%	100%
METAM SODIUM	DELAWARE	14,503	0%	100%
METAM SODIUM	INDIANA	14,091	0%	100%
METAM SODIUM	NEW MEXICO	12,829	0%	100%
METAM SODIUM	MARYLAND	12,470	0%	100%
METAM SODIUM	UTAH	6,315	0%	100%
METAM SODIUM	MASSACHUSETTS	5,639	0%	100%
METAM SODIUM	TEXAS	4,060	0%	100%
METAM SODIUM	SOUTH CAROLINA	4,013	0%	100%
METAM SODIUM	PENNSYLVANIA	2,536	0%	100%
METAM SODIUM	ILLINOIS	2,444	0%	100%
METAM SODIUM	SOUTH DAKOTA	2,249	0%	100%
METAM SODIUM	ALABAMA	2,017	0%	100%
METAM SODIUM Total		53,348,628		
METAM POTASSIUM	IDAHO	1,390,828	44%	44%
METAM POTASSIUM	CALIFORNIA	1,055,491	33%	77%
METAM POTASSIUM	FLORIDA	252,589	8%	85%
METAM POTASSIUM	WASHINGTON	223,508	7%	92%
METAM POTASSIUM	OREGON	190,550	6%	98%
METAM POTASSIUM	NEW MEXICO	64,188	2%	100%
METAM POTASSIUM	ARKANSAS	4,389	0%	100%
METAM POTASSIUM	WISCONSIN	2,724	0%	100%
METAM POTASSIUM	VIRGINIA	1,905	0%	100%
METAM POTASSIUM	LOUISIANA	1,894	0%	100%
METAM POTASSIUM Total		3,188,065		
METHYL BROMIDE	FLORIDA	10,486,449	49%	49%
METHYL BROMIDE	CALIFORNIA	7,009,893	33%	82%
METHYL BROMIDE	NORTH CAROLINA	1,571,514	7%	89%
METHYL BROMIDE	GEORGIA	922,232	4%	93%
METHYL BROMIDE	SOUTH CAROLINA	431,317	2%	96%
METHYL BROMIDE	WASHINGTON	231,420	1%	97%
METHYL BROMIDE	OREGON	156,399	1%	97%
METHYL BROMIDE	MICHIGAN	142,025	1%	98%
METHYL BROMIDE	ARIZONA	89,940	0%	98%
METHYL BROMIDE	INDIANA	86,175	0%	99%
METHYL BROMIDE	MISSISSIPPI	62,159	0%	99%
METHYL BROMIDE	VIRGINIA	42,603	0%	99%
METHYL BROMIDE	OHIO	35,937	0%	99%
METHYL BROMIDE	TEXAS	26,307	0%	100%
METHYL BROMIDE	MARYLAND	23,465	0%	100%
METHYL BROMIDE	MISSOURI	20,460	0%	100%
METHYL BROMIDE	PENNSYLVANIA	13,662	0%	100%
METHYL BROMIDE	TENNESSEE	13,285	0%	100%
METHYL BROMIDE	CONNECTICUT	7,410	0%	100%
METHYL BROMIDE	ALABAMA	5,800	0%	100%
METHYL BROMIDE	KENTUCKY	2,633	0%	100%

METHYL BROMIDE	WISCONSIN	2,491	0%	100%
METHYL BROMIDE Total		21,383,576		

Source: EPA Proprietary data 5/5/09

Metam Sodium Crops

Acreage obtained from USDA Census of Agriculture, 2007:
<http://www.agcensus.usda.gov/Publications/2007/index.asp>

COUNTY	ITEM	2007 Harvested Acres
Alameda	CABBAGE, HEAD	(D)
Alameda	CANTALOUPE	1
Alameda	CARROTS	(D)
Alameda	LETTUCE, ALL	(D)
Alameda	LETTUCE, HEAD	(D)
Alameda	LETTUCE, LEAF	(D)
Alameda	LETTUCE, ROMAINE	(D)
Alameda	ONIONS, DRY	1
Alameda	ONIONS, GREEN	(D)
Alameda	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(Z)
Alameda	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Alameda	POTATOES (SEE TEXT)	(D)
Alameda	SQUASH, ALL (SEE TEXT)	(D)
Alameda	SQUASH, SUMMER (SEE TEXT)	(D)
Alameda	SQUASH, WINTER (SEE TEXT)	(D)
Alameda	TOMATOES IN THE OPEN (SEE TEXT)	3
Alameda	WATERMELONS	(D)
Alameda Total		5
Amador	CANTALOUPE	(Z)
Amador	LETTUCE, ALL	(D)
Amador	LETTUCE, LEAF	(D)
Amador	ONIONS, DRY	(D)
Amador	ONIONS, GREEN	(D)
Amador	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Amador	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Amador	SQUASH, ALL (SEE TEXT)	(Z)
Amador	SQUASH, SUMMER (SEE TEXT)	(Z)
Amador	TOMATOES IN THE OPEN (SEE TEXT)	2
Amador Total		2
Butte	ARTICHOKES, EXCLUDING JERUSALEM	-
Butte	CABBAGE, CHINESE	-
Butte	CABBAGE, HEAD	-
Butte	CANTALOUPE	12
Butte	CARROTS	-
Butte	LETTUCE, ALL	(D)

Butte	LETTUCE, HEAD	-
Butte	LETTUCE, LEAF	(D)
Butte	LETTUCE, ROMAINE	(D)
Butte	ONIONS, DRY	7
Butte	ONIONS, GREEN	(D)
Butte	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	1
Butte	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Butte	POTATOES (SEE TEXT)	12
Butte	SPINACH	-
Butte	SQUASH, ALL (SEE TEXT)	15
Butte	SQUASH, SUMMER (SEE TEXT)	13
Butte	SQUASH, WINTER (SEE TEXT)	3
Butte	TOMATOES IN THE OPEN (SEE TEXT)	15
Butte	WATERMELONS	(D)
Butte Total		78
Calaveras	CANTALOUPE	3
Calaveras	CARROTS	-
Calaveras	LETTUCE, ALL	3
Calaveras	LETTUCE, HEAD	(Z)
Calaveras	LETTUCE, LEAF	1
Calaveras	LETTUCE, ROMAINE	1
Calaveras	ONIONS, DRY	-
Calaveras	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	13
Calaveras	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Calaveras	POTATOES (SEE TEXT)	(D)
Calaveras	SPINACH	-
Calaveras	SQUASH, ALL (SEE TEXT)	(D)
Calaveras	SQUASH, SUMMER (SEE TEXT)	(D)
Calaveras	TOMATOES IN THE OPEN (SEE TEXT)	13
Calaveras Total		34
Colusa	CABBAGE, CHINESE	(D)
Colusa	CANTALOUPE	-
Colusa	CARROTS	-
Colusa	LETTUCE, ALL	-
Colusa	LETTUCE, LEAF	-
Colusa	ONIONS, DRY	(D)
Colusa	ONIONS, GREEN	(D)
Colusa	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Colusa	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	-
Colusa	SQUASH, ALL (SEE TEXT)	(D)

Colusa	SQUASH, SUMMER (SEE TEXT)	(D)
Colusa	TOMATOES IN THE OPEN (SEE TEXT)	17283
Colusa	WATERMELONS	420
Colusa Total		17703
Contra Costa	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Contra Costa	CABBAGE, HEAD	-
Contra Costa	CANTALOUPE	5
Contra Costa	CARROTS	(D)
Contra Costa	LETTUCE, ALL	2
Contra Costa	LETTUCE, HEAD	1
Contra Costa	LETTUCE, LEAF	1
Contra Costa	ONIONS, DRY	(D)
Contra Costa	ONIONS, GREEN	(D)
Contra Costa	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Contra Costa	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	-
Contra Costa	SQUASH, ALL (SEE TEXT)	(D)
Contra Costa	SQUASH, SUMMER (SEE TEXT)	(D)
Contra Costa	TOMATOES IN THE OPEN (SEE TEXT)	1608
Contra Costa	WATERMELONS	(D)
Contra Costa Total		1617
Del Norte	CABBAGE, HEAD	-
Del Norte	CARROTS	-
Del Norte	LETTUCE, ALL	-
Del Norte	LETTUCE, LEAF	-
Del Norte	ONIONS, DRY	(D)
Del Norte	POTATOES (SEE TEXT)	(D)
Del Norte	SQUASH, ALL (SEE TEXT)	-
Del Norte	TOMATOES IN THE OPEN (SEE TEXT)	(D)
Del Norte Total		0
El Dorado	CANTALOUPE	2
El Dorado	CARROTS	-
El Dorado	LETTUCE, ALL	2
El Dorado	LETTUCE, HEAD	(Z)
El Dorado	LETTUCE, LEAF	2
El Dorado	ONIONS, DRY	-
El Dorado	ONIONS, GREEN	(D)
El Dorado	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	6
El Dorado	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	4
El Dorado	POTATOES (SEE TEXT)	1
El Dorado	SPINACH	-
El Dorado	SQUASH, ALL (SEE TEXT)	9

El Dorado	SQUASH, SUMMER (SEE TEXT)	4
El Dorado	SQUASH, WINTER (SEE TEXT)	5
El Dorado	TOMATOES IN THE OPEN (SEE TEXT)	20
El Dorado	WATERMELONS	1
El Dorado Total		56
Fresno	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Fresno	CABBAGE, CHINESE	321
Fresno	CABBAGE, HEAD	24
Fresno	CANTALOUPE	18768
Fresno	CARROTS	(D)
Fresno	LETTUCE, ALL	12370
Fresno	LETTUCE, HEAD	8142
Fresno	LETTUCE, LEAF	581
Fresno	LETTUCE, ROMAINE	3648
Fresno	ONIONS, DRY	12260
Fresno	ONIONS, GREEN	287
Fresno	PEANUTS FOR NUTS (POUNDS)	(D)
Fresno	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	69
Fresno	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	2126
Fresno	POTATOES (SEE TEXT)	6
Fresno	SPINACH	910
Fresno	SQUASH, ALL (SEE TEXT)	754
Fresno	SQUASH, SUMMER (SEE TEXT)	564
Fresno	SQUASH, WINTER (SEE TEXT)	190
Fresno	TOMATOES IN THE OPEN (SEE TEXT)	109758
Fresno	WATERMELONS	1885
Fresno Total		172663
Glenn	CABBAGE, HEAD	1
Glenn	CANTALOUPE	(D)
Glenn	CARROTS	(D)
Glenn	LETTUCE, ALL	(D)
Glenn	LETTUCE, HEAD	(D)
Glenn	LETTUCE, LEAF	(D)
Glenn	LETTUCE, ROMAINE	(D)
Glenn	ONIONS, DRY	(D)
Glenn	ONIONS, GREEN	(D)
Glenn	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Glenn	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Glenn	POTATOES (SEE TEXT)	(D)
Glenn	SPINACH	(D)
Glenn	SQUASH, ALL (SEE TEXT)	(D)

Glenn	SQUASH, SUMMER (SEE TEXT)	1
Glenn	SQUASH, WINTER (SEE TEXT)	(D)
Glenn	TOMATOES IN THE OPEN (SEE TEXT)	(D)
Glenn	WATERMELONS	(D)
Glenn Total		2
Humboldt	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Humboldt	CABBAGE, CHINESE	(D)
Humboldt	CABBAGE, HEAD	(D)
Humboldt	CANTALOUPE	11
Humboldt	CARROTS	23
Humboldt	LETTUCE, ALL	30
Humboldt	LETTUCE, HEAD	4
Humboldt	LETTUCE, LEAF	22
Humboldt	LETTUCE, ROMAINE	4
Humboldt	ONIONS, DRY	12
Humboldt	ONIONS, GREEN	(Z)
Humboldt	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	3
Humboldt	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	3
Humboldt	POTATOES (SEE TEXT)	(D)
Humboldt	SPINACH	(D)
Humboldt	SQUASH, ALL (SEE TEXT)	15
Humboldt	SQUASH, SUMMER (SEE TEXT)	(D)
Humboldt	SQUASH, WINTER (SEE TEXT)	(D)
Humboldt	TOMATOES IN THE OPEN (SEE TEXT)	24
Humboldt	WATERMELONS	2
Humboldt Total		153
Imperial	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Imperial	CABBAGE, CHINESE	161
Imperial	CABBAGE, HEAD	1799
Imperial	CANTALOUPE	6049
Imperial	CARROTS	12729
Imperial	LETTUCE, ALL	28751
Imperial	LETTUCE, HEAD	16022
Imperial	LETTUCE, LEAF	6212
Imperial	LETTUCE, ROMAINE	6517
Imperial	ONIONS, DRY	9969
Imperial	ONIONS, GREEN	(D)
Imperial	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Imperial	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Imperial	POTATOES (SEE TEXT)	921
Imperial	SPINACH	1820

Imperial	SQUASH, ALL (SEE TEXT)	9
Imperial	SQUASH, SUMMER (SEE TEXT)	9
Imperial	TOMATOES IN THE OPEN (SEE TEXT)	47
Imperial	WATERMELONS	1139
Imperial Total		92154
Inyo	CANTALOUPE	3
Inyo	CARROTS	(D)
Inyo	ONIONS, DRY	-
Inyo	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Inyo	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	-
Inyo	TOMATOES IN THE OPEN (SEE TEXT)	-
Inyo Total		3
Kern	CABBAGE, CHINESE	(D)
Kern	CABBAGE, HEAD	583
Kern	CANTALOUPE	1101
Kern	CARROTS	26997
Kern	LETTUCE, ALL	1610
Kern	LETTUCE, HEAD	843
Kern	LETTUCE, LEAF	(D)
Kern	LETTUCE, ROMAINE	(D)
Kern	ONIONS, DRY	3632
Kern	ONIONS, GREEN	(D)
Kern	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	163
Kern	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	3576
Kern	POTATOES (SEE TEXT)	21564
Kern	SPINACH	-
Kern	SQUASH, ALL (SEE TEXT)	12
Kern	SQUASH, SUMMER (SEE TEXT)	(D)
Kern	SQUASH, WINTER (SEE TEXT)	(D)
Kern	TOMATOES IN THE OPEN (SEE TEXT)	13803
Kern	WATERMELONS	2365
Kern Total		76249
Kings	CABBAGE, HEAD	-
Kings	CANTALOUPE	1379
Kings	CARROTS	-
Kings	LETTUCE, ALL	(D)
Kings	LETTUCE, HEAD	(D)
Kings	LETTUCE, LEAF	(D)
Kings	ONIONS, DRY	1524
Kings	PEANUTS FOR NUTS (POUNDS)	-

Kings	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Kings	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Kings	POTATOES (SEE TEXT)	(D)
Kings	SQUASH, ALL (SEE TEXT)	(D)
Kings	SQUASH, SUMMER (SEE TEXT)	(D)
Kings	TOMATOES IN THE OPEN (SEE TEXT)	24654
Kings	WATERMELONS	7
Kings Total		27564
Lake	CANTALOUPE	6
Lake	CARROTS	-
Lake	LETTUCE, ALL	2
Lake	LETTUCE, HEAD	1
Lake	LETTUCE, LEAF	1
Lake	LETTUCE, ROMAINE	1
Lake	ONIONS, DRY	3
Lake	ONIONS, GREEN	-
Lake	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Lake	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Lake	POTATOES (SEE TEXT)	(D)
Lake	SQUASH, ALL (SEE TEXT)	4
Lake	SQUASH, SUMMER (SEE TEXT)	(D)
Lake	SQUASH, WINTER (SEE TEXT)	(D)
Lake	TOMATOES IN THE OPEN (SEE TEXT)	6
Lake	WATERMELONS	(D)
Lake Total		24
Lassen	CANTALOUPE	1
Lassen	ONIONS, GREEN	-
Lassen	POTATOES (SEE TEXT)	(D)
Lassen	SQUASH, ALL (SEE TEXT)	-
Lassen	TOMATOES IN THE OPEN (SEE TEXT)	-
Lassen Total		1
Los Angeles	ARTICHOKES, EXCLUDING JERUSALEM	(Z)
Los Angeles	CABBAGE, CHINESE	-
Los Angeles	CABBAGE, HEAD	-
Los Angeles	CANTALOUPE	6
Los Angeles	CARROTS	5943
Los Angeles	LETTUCE, ALL	6
Los Angeles	LETTUCE, HEAD	1
Los Angeles	LETTUCE, LEAF	3
Los Angeles	LETTUCE, ROMAINE	1
Los Angeles	ONIONS, DRY	4545

Los Angeles	ONIONS, GREEN	1
Los Angeles	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Los Angeles	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1
Los Angeles	POTATOES (SEE TEXT)	(D)
Los Angeles	SPINACH	1
Los Angeles	SQUASH, ALL (SEE TEXT)	(D)
Los Angeles	SQUASH, SUMMER (SEE TEXT)	3
Los Angeles	SQUASH, WINTER (SEE TEXT)	(D)
Los Angeles	TOMATOES IN THE OPEN (SEE TEXT)	53
Los Angeles	WATERMELONS	(D)
Los Angeles Total		10564
Madera	ARTICHOKES, EXCLUDING JERUSALEM	-
Madera	CABBAGE, HEAD	-
Madera	CANTALOUPE	(D)
Madera	CARROTS	(D)
Madera	LETTUCE, ALL	(D)
Madera	LETTUCE, HEAD	(Z)
Madera	LETTUCE, LEAF	(D)
Madera	LETTUCE, ROMAINE	(D)
Madera	ONIONS, DRY	(D)
Madera	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	6
Madera	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Madera	POTATOES (SEE TEXT)	(D)
Madera	SPINACH	(D)
Madera	SQUASH, ALL (SEE TEXT)	(D)
Madera	SQUASH, SUMMER (SEE TEXT)	(D)
Madera	TOMATOES IN THE OPEN (SEE TEXT)	2900
Madera	WATERMELONS	47
Madera Total		2953
Marin	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Marin	CABBAGE, HEAD	(D)
Marin	CANTALOUPE	2
Marin	CARROTS	8
Marin	LETTUCE, ALL	84
Marin	LETTUCE, HEAD	(D)
Marin	LETTUCE, LEAF	24
Marin	LETTUCE, ROMAINE	(D)
Marin	ONIONS, DRY	(D)
Marin	ONIONS, GREEN	2
Marin	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-

Marin	POTATOES (SEE TEXT)	27
Marin	SPINACH	(D)
Marin	SQUASH, ALL (SEE TEXT)	4
Marin	SQUASH, SUMMER (SEE TEXT)	3
Marin	SQUASH, WINTER (SEE TEXT)	2
Marin	TOMATOES IN THE OPEN (SEE TEXT)	7
Marin Total		163
Mariposa	CABBAGE, CHINESE	-
Mariposa	CANTALOUPE	(D)
Mariposa	CARROTS	-
Mariposa	LETTUCE, ALL	(D)
Mariposa	LETTUCE, LEAF	(D)
Mariposa	ONIONS, DRY	(D)
Mariposa	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Mariposa	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	-
Mariposa	POTATOES (SEE TEXT)	(D)
Mariposa	SQUASH, ALL (SEE TEXT)	-
Mariposa	TOMATOES IN THE OPEN (SEE TEXT)	(D)
Mariposa Total		0
Mendocino	ARTICHOKES, EXCLUDING JERUSALEM	-
Mendocino	CABBAGE, CHINESE	(D)
Mendocino	CABBAGE, HEAD	1
Mendocino	CANTALOUPE	8
Mendocino	CARROTS	5
Mendocino	LETTUCE, ALL	17
Mendocino	LETTUCE, HEAD	1
Mendocino	LETTUCE, LEAF	16
Mendocino	LETTUCE, ROMAINE	1
Mendocino	ONIONS, DRY	5
Mendocino	ONIONS, GREEN	(Z)
Mendocino	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	3
Mendocino	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1
Mendocino	POTATOES (SEE TEXT)	3
Mendocino	SPINACH	1
Mendocino	SQUASH, ALL (SEE TEXT)	13
Mendocino	SQUASH, SUMMER (SEE TEXT)	3
Mendocino	SQUASH, WINTER (SEE TEXT)	10
Mendocino	TOMATOES IN THE OPEN (SEE TEXT)	19
Mendocino	WATERMELONS	1
Mendocino Total		108

Merced	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Merced	CABBAGE, CHINESE	(D)
Merced	CABBAGE, HEAD	(D)
Merced	CANTALOUPE	4091
Merced	CARROTS	(D)
Merced	LETTUCE, ALL	(D)
Merced	LETTUCE, HEAD	(D)
Merced	LETTUCE, LEAF	-
Merced	LETTUCE, ROMAINE	(D)
Merced	ONIONS, DRY	(D)
Merced	ONIONS, GREEN	(D)
Merced	PEANUTS FOR NUTS (POUNDS)	-
Merced	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	93
Merced	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	528
Merced	POTATOES (SEE TEXT)	(D)
Merced	SPINACH	(D)
Merced	SQUASH, ALL (SEE TEXT)	270
Merced	SQUASH, SUMMER (SEE TEXT)	(D)
Merced	SQUASH, WINTER (SEE TEXT)	(D)
Merced	TOMATOES IN THE OPEN (SEE TEXT)	35644
Merced	WATERMELONS	11
Merced Total		40637
Modoc	ONIONS, DRY	(D)
Modoc	POTATOES (SEE TEXT)	2089
Modoc Total		2089
Mono	CANTALOUPE	-
Mono	CARROTS	-
Mono	ONIONS, DRY	-
Mono	POTATOES (SEE TEXT)	-
Mono	SQUASH, ALL (SEE TEXT)	-
Mono	TOMATOES IN THE OPEN (SEE TEXT)	-
Mono Total		0
Monterey	ARTICHOKES, EXCLUDING JERUSALEM	7124
Monterey	CABBAGE, CHINESE	485
Monterey	CABBAGE, HEAD	3779
Monterey	CANTALOUPE	1030
Monterey	CARROTS	1642
Monterey	LETTUCE, ALL	127676
Monterey	LETTUCE, HEAD	64998
Monterey	LETTUCE, LEAF	21640
Monterey	LETTUCE, ROMAINE	41039
Monterey	ONIONS, DRY	673
Monterey	ONIONS, GREEN	965

Monterey	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	766
Monterey	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	746
Monterey	POTATOES (SEE TEXT)	(D)
Monterey	SPINACH	14999
Monterey	SQUASH, ALL (SEE TEXT)	25
Monterey	SQUASH, SUMMER (SEE TEXT)	14
Monterey	SQUASH, WINTER (SEE TEXT)	11
Monterey	TOMATOES IN THE OPEN (SEE TEXT)	2511
Monterey	WATERMELONS	798
Monterey Total		290921
Napa	CABBAGE, CHINESE	-
Napa	CABBAGE, HEAD	(D)
Napa	CANTALOUPE	(D)
Napa	LETTUCE, ALL	(D)
Napa	LETTUCE, LEAF	(D)
Napa	LETTUCE, ROMAINE	(D)
Napa	ONIONS, DRY	(D)
Napa	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Napa	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Napa	POTATOES (SEE TEXT)	1
Napa	SPINACH	(D)
Napa	SQUASH, ALL (SEE TEXT)	1
Napa	SQUASH, SUMMER (SEE TEXT)	(D)
Napa	SQUASH, WINTER (SEE TEXT)	(D)
Napa	TOMATOES IN THE OPEN (SEE TEXT)	10
Napa	WATERMELONS	(D)
Napa Total		12
Nevada	CABBAGE, CHINESE	(D)
Nevada	CABBAGE, HEAD	-
Nevada	CANTALOUPE	9
Nevada	CARROTS	-
Nevada	LETTUCE, ALL	6
Nevada	LETTUCE, HEAD	(D)
Nevada	LETTUCE, LEAF	(D)
Nevada	LETTUCE, ROMAINE	(D)
Nevada	ONIONS, DRY	1
Nevada	ONIONS, GREEN	-
Nevada	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(Z)
Nevada	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Nevada	POTATOES (SEE TEXT)	(D)
Nevada	SQUASH, ALL (SEE TEXT)	2

Nevada	SQUASH, SUMMER (SEE TEXT)	2
Nevada	SQUASH, WINTER (SEE TEXT)	1
Nevada	TOMATOES IN THE OPEN (SEE TEXT)	15
Nevada	WATERMELONS	(D)
Nevada Total		36
Orange	ARTICHOKES, EXCLUDING JERUSALEM	4
Orange	CABBAGE, HEAD	(D)
Orange	CANTALOUPE	(D)
Orange	CARROTS	2
Orange	LETTUCE, ALL	19
Orange	LETTUCE, HEAD	(D)
Orange	LETTUCE, LEAF	(D)
Orange	LETTUCE, ROMAINE	(D)
Orange	ONIONS, DRY	(D)
Orange	ONIONS, GREEN	-
Orange	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Orange	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Orange	SPINACH	-
Orange	SQUASH, ALL (SEE TEXT)	(D)
Orange	SQUASH, SUMMER (SEE TEXT)	(D)
Orange	TOMATOES IN THE OPEN (SEE TEXT)	31
Orange	WATERMELONS	(D)
Orange Total		56
Placer	CABBAGE, CHINESE	(D)
Placer	CABBAGE, HEAD	(D)
Placer	CANTALOUPE	14
Placer	CARROTS	(D)
Placer	LETTUCE, ALL	4
Placer	LETTUCE, HEAD	(D)
Placer	LETTUCE, LEAF	2
Placer	LETTUCE, ROMAINE	(D)
Placer	ONIONS, DRY	1
Placer	ONIONS, GREEN	(D)
Placer	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	2
Placer	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	3
Placer	POTATOES (SEE TEXT)	(D)
Placer	SPINACH	-
Placer	SQUASH, ALL (SEE TEXT)	5
Placer	SQUASH, SUMMER (SEE TEXT)	2
Placer	SQUASH, WINTER (SEE TEXT)	3

Placer	TOMATOES IN THE OPEN (SEE TEXT)	19
Placer	WATERMELONS	9
Placer Total		64
Plumas	CABBAGE, HEAD	-
Plumas	CARROTS	-
Plumas	LETTUCE, ALL	4
Plumas	LETTUCE, LEAF	4
Plumas	POTATOES (SEE TEXT)	(D)
Plumas	SPINACH	(D)
Plumas	SQUASH, ALL (SEE TEXT)	1
Plumas	SQUASH, SUMMER (SEE TEXT)	1
Plumas	TOMATOES IN THE OPEN (SEE TEXT)	(D)
Plumas Total		10
Riverside	ARTICHOKES, EXCLUDING JERUSALEM	1081
Riverside	CABBAGE, CHINESE	(D)
Riverside	CABBAGE, HEAD	(D)
Riverside	CANTALOUPE	1768
Riverside	CARROTS	(D)
Riverside	LETTUCE, ALL	5674
Riverside	LETTUCE, HEAD	(D)
Riverside	LETTUCE, LEAF	(D)
Riverside	LETTUCE, ROMAINE	2382
Riverside	ONIONS, DRY	(D)
Riverside	ONIONS, GREEN	5
Riverside	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Riverside	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	3147
Riverside	POTATOES (SEE TEXT)	(D)
Riverside	SPINACH	(D)
Riverside	SQUASH, ALL (SEE TEXT)	272
Riverside	SQUASH, SUMMER (SEE TEXT)	(D)
Riverside	SQUASH, WINTER (SEE TEXT)	(D)
Riverside	TOMATOES IN THE OPEN (SEE TEXT)	47
Riverside	WATERMELONS	1389
Riverside Total		15765
Sacramento	CABBAGE, CHINESE	30
Sacramento	CANTALOUPE	(D)
Sacramento	CARROTS	(D)
Sacramento	LETTUCE, ALL	(D)
Sacramento	LETTUCE, HEAD	(D)
Sacramento	LETTUCE, LEAF	15
Sacramento	LETTUCE, ROMAINE	(D)
Sacramento	ONIONS, DRY	(D)
Sacramento	ONIONS, GREEN	(Z)

Sacramento	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Sacramento	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Sacramento	POTATOES (SEE TEXT)	(D)
Sacramento	SQUASH, ALL (SEE TEXT)	37
Sacramento	SQUASH, SUMMER (SEE TEXT)	(D)
Sacramento	SQUASH, WINTER (SEE TEXT)	(D)
Sacramento	TOMATOES IN THE OPEN (SEE TEXT)	3785
Sacramento	WATERMELONS	(D)
Sacramento Total		3867
San Benito	ARTICHOKES, EXCLUDING JERUSALEM	(D)
San Benito	CABBAGE, CHINESE	(D)
San Benito	CABBAGE, HEAD	332
San Benito	CANTALOUPE	30
San Benito	CARROTS	(D)
San Benito	LETTUCE, ALL	12421
San Benito	LETTUCE, HEAD	4212
San Benito	LETTUCE, LEAF	6687
San Benito	LETTUCE, ROMAINE	1521
San Benito	ONIONS, DRY	2082
San Benito	ONIONS, GREEN	(D)
San Benito	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	544
San Benito	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1293
San Benito	POTATOES (SEE TEXT)	(D)
San Benito	SPINACH	3129
San Benito	SQUASH, ALL (SEE TEXT)	274
San Benito	SQUASH, SUMMER (SEE TEXT)	(D)
San Benito	SQUASH, WINTER (SEE TEXT)	(D)
San Benito	TOMATOES IN THE OPEN (SEE TEXT)	1207
San Benito	WATERMELONS	(D)
San Benito Total		33732
San Bernardino	ARTICHOKES, EXCLUDING JERUSALEM	-
San Bernardino	CABBAGE, CHINESE	1410
San Bernardino	CABBAGE, HEAD	(D)
San Bernardino	CANTALOUPE	134
San Bernardino	CARROTS	(D)
San Bernardino	LETTUCE, ALL	192
San Bernardino	LETTUCE, HEAD	(D)
San Bernardino	LETTUCE, LEAF	(D)
San Bernardino	LETTUCE, ROMAINE	(D)
San Bernardino	ONIONS, DRY	5
San Bernardino	ONIONS, GREEN	(D)

San Bernardino	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
San Bernardino	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
San Bernardino	POTATOES (SEE TEXT)	-
San Bernardino	SPINACH	(D)
San Bernardino	SQUASH, ALL (SEE TEXT)	76
San Bernardino	SQUASH, SUMMER (SEE TEXT)	(D)
San Bernardino	SQUASH, WINTER (SEE TEXT)	(D)
San Bernardino	TOMATOES IN THE OPEN (SEE TEXT)	31
San Bernardino	WATERMELONS	185
San Bernardino Total		2033
San Diego	ARTICHOKES, EXCLUDING JERUSALEM	(D)
San Diego	CABBAGE, HEAD	3
San Diego	CANTALOUPE	18
San Diego	CARROTS	(D)
San Diego	LETTUCE, ALL	342
San Diego	LETTUCE, HEAD	(D)
San Diego	LETTUCE, LEAF	(D)
San Diego	LETTUCE, ROMAINE	(D)
San Diego	ONIONS, DRY	1
San Diego	ONIONS, GREEN	28
San Diego	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	3
San Diego	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	180
San Diego	POTATOES (SEE TEXT)	6
San Diego	SPINACH	(D)
San Diego	SQUASH, ALL (SEE TEXT)	185
San Diego	SQUASH, SUMMER (SEE TEXT)	(D)
San Diego	SQUASH, WINTER (SEE TEXT)	(D)
San Diego	TOMATOES IN THE OPEN (SEE TEXT)	1528
San Diego	WATERMELONS	22
San Diego Total		2316
San Joaquin	CABBAGE, CHINESE	(D)
San Joaquin	CABBAGE, HEAD	490
San Joaquin	CANTALOUPE	107
San Joaquin	CARROTS	(D)
San Joaquin	LETTUCE, ALL	(D)
San Joaquin	LETTUCE, HEAD	(D)
San Joaquin	LETTUCE, LEAF	(D)
San Joaquin	LETTUCE, ROMAINE	(D)
San Joaquin	ONIONS, DRY	2169
San Joaquin	ONIONS, GREEN	-

San Joaquin	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	72
San Joaquin	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1064
San Joaquin	POTATOES (SEE TEXT)	(D)
San Joaquin	SPINACH	-
San Joaquin	SQUASH, ALL (SEE TEXT)	1070
San Joaquin	SQUASH, SUMMER (SEE TEXT)	430
San Joaquin	SQUASH, WINTER (SEE TEXT)	640
San Joaquin	TOMATOES IN THE OPEN (SEE TEXT)	39247
San Joaquin	WATERMELONS	1642
San Joaquin Total		46931
San Luis Obispo	ARTICHOKES, EXCLUDING JERUSALEM	16
San Luis Obispo	CABBAGE, CHINESE	2059
San Luis Obispo	CABBAGE, HEAD	1301
San Luis Obispo	CANTALOUPE	140
San Luis Obispo	CARROTS	1217
San Luis Obispo	LETTUCE, ALL	7896
San Luis Obispo	LETTUCE, HEAD	4913
San Luis Obispo	LETTUCE, LEAF	1351
San Luis Obispo	LETTUCE, ROMAINE	1633
San Luis Obispo	ONIONS, DRY	(D)
San Luis Obispo	ONIONS, GREEN	(D)
San Luis Obispo	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	204
San Luis Obispo	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	961
San Luis Obispo	POTATOES (SEE TEXT)	14
San Luis Obispo	SPINACH	380
San Luis Obispo	SQUASH, ALL (SEE TEXT)	546
San Luis Obispo	SQUASH, SUMMER (SEE TEXT)	(D)
San Luis Obispo	SQUASH, WINTER (SEE TEXT)	(D)
San Luis Obispo	TOMATOES IN THE OPEN (SEE TEXT)	(D)
San Luis Obispo	WATERMELONS	16
San Luis Obispo Total		22647
San Mateo	ARTICHOKES, EXCLUDING JERUSALEM	79
San Mateo	CABBAGE, CHINESE	-
San Mateo	CABBAGE, HEAD	8
San Mateo	CANTALOUPE	(D)
San Mateo	CARROTS	-
San Mateo	LETTUCE, ALL	4
San Mateo	LETTUCE, LEAF	(D)
San Mateo	LETTUCE, ROMAINE	(D)
San Mateo	ONIONS, DRY	(D)

San Mateo	ONIONS, GREEN	(D)
San Mateo	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
San Mateo	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	4
San Mateo	POTATOES (SEE TEXT)	(D)
San Mateo	SPINACH	-
San Mateo	SQUASH, ALL (SEE TEXT)	12
San Mateo	SQUASH, SUMMER (SEE TEXT)	(D)
San Mateo	SQUASH, WINTER (SEE TEXT)	(D)
San Mateo	TOMATOES IN THE OPEN (SEE TEXT)	16
San Mateo	WATERMELONS	-
San Mateo Total		123
Santa Barbara	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Santa Barbara	CABBAGE, CHINESE	(D)
Santa Barbara	CABBAGE, HEAD	1235
Santa Barbara	CANTALOUPE	(D)
Santa Barbara	CARROTS	(D)
Santa Barbara	LETTUCE, ALL	11640
Santa Barbara	LETTUCE, HEAD	8371
Santa Barbara	LETTUCE, LEAF	1155
Santa Barbara	LETTUCE, ROMAINE	2114
Santa Barbara	ONIONS, DRY	(D)
Santa Barbara	ONIONS, GREEN	6
Santa Barbara	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	1131
Santa Barbara	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	511
Santa Barbara	POTATOES (SEE TEXT)	(D)
Santa Barbara	SPINACH	1324
Santa Barbara	SQUASH, ALL (SEE TEXT)	322
Santa Barbara	SQUASH, SUMMER (SEE TEXT)	166
Santa Barbara	SQUASH, WINTER (SEE TEXT)	156
Santa Barbara	TOMATOES IN THE OPEN (SEE TEXT)	322
Santa Barbara	WATERMELONS	-
Santa Barbara Total		28453
Santa Clara	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Santa Clara	CABBAGE, CHINESE	215
Santa Clara	CABBAGE, HEAD	130
Santa Clara	CANTALOUPE	11
Santa Clara	CARROTS	1
Santa Clara	LETTUCE, ALL	1604
Santa Clara	LETTUCE, HEAD	(D)
Santa Clara	LETTUCE, LEAF	(D)

Santa Clara	LETTUCE, ROMAINE	952
Santa Clara	ONIONS, DRY	396
Santa Clara	ONIONS, GREEN	1
Santa Clara	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	988
Santa Clara	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	2465
Santa Clara	POTATOES (SEE TEXT)	-
Santa Clara	SPINACH	(D)
Santa Clara	SQUASH, ALL (SEE TEXT)	137
Santa Clara	SQUASH, SUMMER (SEE TEXT)	135
Santa Clara	SQUASH, WINTER (SEE TEXT)	2
Santa Clara	TOMATOES IN THE OPEN (SEE TEXT)	1248
Santa Clara	WATERMELONS	3
Santa Clara Total		8288
Santa Cruz	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Santa Cruz	CABBAGE, CHINESE	1
Santa Cruz	CABBAGE, HEAD	(D)
Santa Cruz	CANTALOUPE	(D)
Santa Cruz	CARROTS	5
Santa Cruz	LETTUCE, ALL	10277
Santa Cruz	LETTUCE, HEAD	5968
Santa Cruz	LETTUCE, LEAF	1078
Santa Cruz	LETTUCE, ROMAINE	3232
Santa Cruz	ONIONS, DRY	1
Santa Cruz	ONIONS, GREEN	(D)
Santa Cruz	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	4
Santa Cruz	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	53
Santa Cruz	POTATOES (SEE TEXT)	3
Santa Cruz	SPINACH	(D)
Santa Cruz	SQUASH, ALL (SEE TEXT)	212
Santa Cruz	SQUASH, SUMMER (SEE TEXT)	(D)
Santa Cruz	SQUASH, WINTER (SEE TEXT)	(D)
Santa Cruz	TOMATOES IN THE OPEN (SEE TEXT)	87
Santa Cruz Total		20921
Shasta	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Shasta	CABBAGE, CHINESE	1
Shasta	CABBAGE, HEAD	(D)
Shasta	CANTALOUPE	3
Shasta	CARROTS	1
Shasta	LETTUCE, ALL	3
Shasta	LETTUCE, HEAD	(D)
Shasta	LETTUCE, LEAF	(D)

Shasta	ONIONS, DRY	(D)
Shasta	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	7
Shasta	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1
Shasta	POTATOES (SEE TEXT)	-
Shasta	SPINACH	2
Shasta	SQUASH, ALL (SEE TEXT)	14
Shasta	SQUASH, SUMMER (SEE TEXT)	8
Shasta	SQUASH, WINTER (SEE TEXT)	7
Shasta	TOMATOES IN THE OPEN (SEE TEXT)	14
Shasta	WATERMELONS	2
Shasta Total		63
Siskiyou	ARTICHOKES, EXCLUDING JERUSALEM	-
Siskiyou	CANTALOUPE	3
Siskiyou	CARROTS	(Z)
Siskiyou	LETTUCE, ALL	(D)
Siskiyou	LETTUCE, ROMAINE	(D)
Siskiyou	ONIONS, DRY	2404
Siskiyou	ONIONS, GREEN	-
Siskiyou	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Siskiyou	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(Z)
Siskiyou	POTATOES (SEE TEXT)	4766
Siskiyou	SQUASH, ALL (SEE TEXT)	3
Siskiyou	SQUASH, WINTER (SEE TEXT)	3
Siskiyou	TOMATOES IN THE OPEN (SEE TEXT)	4
Siskiyou	WATERMELONS	1
Siskiyou Total		7184
Solano	CABBAGE, HEAD	-
Solano	CANTALOUPE	34
Solano	CARROTS	(D)
Solano	LETTUCE, ALL	(D)
Solano	LETTUCE, HEAD	(D)
Solano	LETTUCE, LEAF	(D)
Solano	LETTUCE, ROMAINE	(D)
Solano	ONIONS, DRY	(D)
Solano	ONIONS, GREEN	(D)
Solano	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Solano	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	903
Solano	POTATOES (SEE TEXT)	(D)
Solano	SPINACH	-
Solano	SQUASH, ALL (SEE TEXT)	(D)

Solano	SQUASH, SUMMER (SEE TEXT)	(D)
Solano	SQUASH, WINTER (SEE TEXT)	(D)
Solano	TOMATOES IN THE OPEN (SEE TEXT)	9298
Solano	WATERMELONS	(D)
Solano Total		10235
Sonoma	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Sonoma	CABBAGE, CHINESE	-
Sonoma	CABBAGE, HEAD	1
Sonoma	CANTALOUPE	74
Sonoma	CARROTS	8
Sonoma	LETTUCE, ALL	66
Sonoma	LETTUCE, HEAD	25
Sonoma	LETTUCE, LEAF	31
Sonoma	LETTUCE, ROMAINE	11
Sonoma	ONIONS, DRY	9
Sonoma	ONIONS, GREEN	16
Sonoma	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	26
Sonoma	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	9
Sonoma	POTATOES (SEE TEXT)	50
Sonoma	SPINACH	(D)
Sonoma	SQUASH, ALL (SEE TEXT)	123
Sonoma	SQUASH, SUMMER (SEE TEXT)	(D)
Sonoma	SQUASH, WINTER (SEE TEXT)	(D)
Sonoma	TOMATOES IN THE OPEN (SEE TEXT)	162
Sonoma	WATERMELONS	5
Sonoma Total		616
Stanislaus	CABBAGE, CHINESE	(D)
Stanislaus	CABBAGE, HEAD	(D)
Stanislaus	CANTALOUPE	1371
Stanislaus	CARROTS	(Z)
Stanislaus	LETTUCE, ALL	313
Stanislaus	LETTUCE, HEAD	(D)
Stanislaus	LETTUCE, LEAF	(D)
Stanislaus	LETTUCE, ROMAINE	(D)
Stanislaus	ONIONS, DRY	3
Stanislaus	ONIONS, GREEN	1
Stanislaus	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	2
Stanislaus	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	3
Stanislaus	POTATOES (SEE TEXT)	2
Stanislaus	SPINACH	751
Stanislaus	SQUASH, ALL (SEE TEXT)	(D)

Stanislaus	SQUASH, SUMMER (SEE TEXT)	(D)
Stanislaus	SQUASH, WINTER (SEE TEXT)	1
Stanislaus	TOMATOES IN THE OPEN (SEE TEXT)	12836
Stanislaus	WATERMELONS	(D)
Stanislaus Total		15283
Sutter	CANTALOUPE	(D)
Sutter	CARROTS	(D)
Sutter	ONIONS, DRY	(D)
Sutter	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Sutter	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Sutter	SQUASH, ALL (SEE TEXT)	183
Sutter	SQUASH, SUMMER (SEE TEXT)	(D)
Sutter	SQUASH, WINTER (SEE TEXT)	(D)
Sutter	TOMATOES IN THE OPEN (SEE TEXT)	8296
Sutter	WATERMELONS	(D)
Sutter Total		8479
Tehama	ARTICHOKES, EXCLUDING JERUSALEM	-
Tehama	CABBAGE, HEAD	-
Tehama	CANTALOUPE	5
Tehama	CARROTS	(D)
Tehama	LETTUCE, ALL	3
Tehama	LETTUCE, HEAD	(D)
Tehama	LETTUCE, LEAF	2
Tehama	LETTUCE, ROMAINE	(D)
Tehama	ONIONS, DRY	1
Tehama	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	1
Tehama	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1
Tehama	POTATOES (SEE TEXT)	-
Tehama	SQUASH, ALL (SEE TEXT)	5
Tehama	SQUASH, SUMMER (SEE TEXT)	(D)
Tehama	SQUASH, WINTER (SEE TEXT)	(D)
Tehama	TOMATOES IN THE OPEN (SEE TEXT)	7
Tehama	WATERMELONS	17
Tehama Total		42
Trinity	CABBAGE, HEAD	-
Trinity	CANTALOUPE	2
Trinity	CARROTS	-
Trinity	LETTUCE, ALL	(D)
Trinity	LETTUCE, HEAD	(D)
Trinity	LETTUCE, LEAF	(D)

Trinity	LETTUCE, ROMAINE	(D)
Trinity	ONIONS, DRY	-
Trinity	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(Z)
Trinity	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(Z)
Trinity	POTATOES (SEE TEXT)	(D)
Trinity	SQUASH, ALL (SEE TEXT)	(D)
Trinity	SQUASH, SUMMER (SEE TEXT)	(D)
Trinity	SQUASH, WINTER (SEE TEXT)	(D)
Trinity	TOMATOES IN THE OPEN (SEE TEXT)	7
Trinity	WATERMELONS	(D)
Trinity Total		9
Tulare	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Tulare	CABBAGE, CHINESE	-
Tulare	CABBAGE, HEAD	(D)
Tulare	CANTALOUPE	16
Tulare	CARROTS	(D)
Tulare	LETTUCE, ALL	9
Tulare	LETTUCE, HEAD	2
Tulare	LETTUCE, LEAF	5
Tulare	LETTUCE, ROMAINE	2
Tulare	ONIONS, DRY	(D)
Tulare	ONIONS, GREEN	(D)
Tulare	PEANUTS FOR NUTS (POUNDS)	(D)
Tulare	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	5
Tulare	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	(D)
Tulare	POTATOES (SEE TEXT)	(D)
Tulare	SPINACH	823
Tulare	SQUASH, ALL (SEE TEXT)	283
Tulare	SQUASH, SUMMER (SEE TEXT)	(D)
Tulare	SQUASH, WINTER (SEE TEXT)	(D)
Tulare	TOMATOES IN THE OPEN (SEE TEXT)	66
Tulare	WATERMELONS	13
Tulare Total		1224
Tuolumne	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	-
Tuolumne	POTATOES (SEE TEXT)	-
Tuolumne	TOMATOES IN THE OPEN (SEE TEXT)	(D)
Tuolumne Total		0
Ventura	ARTICHOKES, EXCLUDING JERUSALEM	(D)

Ventura	CABBAGE, CHINESE	(D)
Ventura	CABBAGE, HEAD	2546
Ventura	CANTALOUPE	51
Ventura	CARROTS	631
Ventura	LETTUCE, ALL	4607
Ventura	LETTUCE, HEAD	2023
Ventura	LETTUCE, LEAF	1582
Ventura	LETTUCE, ROMAINE	1002
Ventura	ONIONS, DRY	1
Ventura	ONIONS, GREEN	(D)
Ventura	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	756
Ventura	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1735
Ventura	SPINACH	1056
Ventura	SQUASH, ALL (SEE TEXT)	86
Ventura	SQUASH, SUMMER (SEE TEXT)	83
Ventura	SQUASH, WINTER (SEE TEXT)	3
Ventura	TOMATOES IN THE OPEN (SEE TEXT)	1678
Ventura	WATERMELONS	(D)
Ventura Total		17840
Yolo	ARTICHOKES, EXCLUDING JERUSALEM	(D)
Yolo	CABBAGE, CHINESE	(D)
Yolo	CABBAGE, HEAD	(D)
Yolo	CANTALOUPE	115
Yolo	CARROTS	(D)
Yolo	LETTUCE, ALL	45
Yolo	LETTUCE, HEAD	12
Yolo	LETTUCE, LEAF	20
Yolo	LETTUCE, ROMAINE	13
Yolo	ONIONS, DRY	7
Yolo	ONIONS, GREEN	(D)
Yolo	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Yolo	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	967
Yolo	POTATOES (SEE TEXT)	(D)
Yolo	SPINACH	(D)
Yolo	SQUASH, ALL (SEE TEXT)	75
Yolo	SQUASH, SUMMER (SEE TEXT)	(D)
Yolo	SQUASH, WINTER (SEE TEXT)	(D)
Yolo	TOMATOES IN THE OPEN (SEE TEXT)	45103
Yolo	WATERMELONS	113
Yolo Total		46470
Yuba	CABBAGE, CHINESE	-
Yuba	CABBAGE, HEAD	-

Yuba	CANTALOUPE	4
Yuba	CARROTS	-
Yuba	LETTUCE, ALL	1
Yuba	LETTUCE, HEAD	(D)
Yuba	LETTUCE, LEAF	(D)
Yuba	LETTUCE, ROMAINE	(D)
Yuba	ONIONS, DRY	-
Yuba	ONIONS, GREEN	1
Yuba	PEPPERS OTHER THAN BELL (INCLUDING CHILE) (SEE TEXT)	(D)
Yuba	PEPPERS, BELL (EXCLUDING PIMIENTOS) (SEE TEXT)	1
Yuba	SQUASH, ALL (SEE TEXT)	1
Yuba	SQUASH, SUMMER (SEE TEXT)	1
Yuba	TOMATOES IN THE OPEN (SEE TEXT)	6
Yuba	WATERMELONS	(D)

Yuba Total
Grand Total

15
1028457

Metam Sodium Counties

County	2007 Acres Harvested (sum of Metam Sodium crops)	Rank	Percent of total acres	Running total (%)
Monterey Total	290,921	1	28	28
Fresno Total	172,663	2	17	45
Imperial Total	92,154	3	9	54
Kern Total	76,249	4	7	61
San Joaquin Total	46,931	5	5	66
Yolo Total	46,470	6	5	71
Merced Total	40,637	7	4	74
San Benito Total	33,732	8	3	78
Santa Barbara Total	28,453	9	3	81
Kings Total	27,564	10	3	83
San Luis Obispo Total	22,647	11	2	85
Santa Cruz Total	20,921	12	2	87
Ventura Total	17,840	13	2	89
Colusa Total	17,703	14	2	91
Riverside Total	15,765	15	2	92
Stanislaus Total	15,283	16	1	94
Los Angeles Total	10,564	17	1	95
Solano Total	10,235	18	1	96
Sutter Total	8,479	19	1	97
Santa Clara Total	8,288	20	1	98
Siskiyou Total	7,184	21	1	98
Sacramento Total	3,867	22	0	99
Madera Total	2,953	23	0	99
San Diego Total	2,316	24	0	99
Modoc Total	2,089	25	0	99
San Bernardino Total	2,033	26	0	100
Contra Costa Total	1,617	27	0	100
Tulare Total	1,224	28	0	100
Sonoma Total	616	29	0	100
Marin Total	163	30	0	100
Humboldt Total	153	31	0	100
San Mateo Total	123	32	0	100
Mendocino Total	108	33	0	100
Butte Total	78	34	0	100
Placer Total	64	35	0	100
Shasta Total	63	36	0	100
El Dorado Total	56	37	0	100
Orange Total	56	38	0	100
Tehama Total	42	39	0	100
Nevada Total	36	40	0	100
Calaveras Total	34	41	0	100
Lake Total	24	42	0	100
Yuba Total	15	43	0	100
Napa Total	12	44	0	100
Plumas Total	10	45	0	100
Trinity Total	9	46	0	100
Alameda Total	5	47	0	100

Inyo Total	3	48	0	100
Amador Total	2	49	0	100
Glenn Total	2	50	0	100
Lassen Total	1	51	0	100
Del Norte Total	0	52	0	100
Mariposa Total	0	53	0	100
Mono Total	0	54	0	100
Tuolumne Total	0	55	0	100

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