**APPENDIX 1-6. Use Site Footprints for Carbaryl**

1. Agriculture Uses

Use site footprint layers represent the application sites for agricultural and non-agricultural label uses. The best available data to spatially characterize specific agricultural crops in the continuous United States (ConUS) is the Cropland Data Layer (CDL), produced by the U.S. Department of Agriculture. Several methods have been employed to minimize data errors within the CDL. The CDL is a landcover dataset that has over 100 cultivated classes that were grouped into 13 general classes (see **APPENDIX 1-5**). Lumping classes reduces the likelihood of errors of omission and commission between similar crop categories. In selecting how to group crops from the CDL, EPA referred to the grouping used by the U.S. Geological Survey (Baker and Capel, 2011[[1]](#footnote-2)) and the Generic Endangered Species Task Force (Amos *et al*., 2010[[2]](#footnote-3)). This information considers environmental factors that influence the location of crops and the error matrices provided by USDA with the original CDL data. By considering these agronomic factors in addition to the error matrices it is possible to improve the accuracy and year-to-year matches for these UDLs while retaining agronomic similarities. This categorical aggregation into the UDL crop groups does not account for changes in agricultural practices but the temporal aggregation does. The UDLs used in this assessment include 5 years of the CDL, 2013-2017, aggregated to account for changes year to year such as crop rotations. Anywhere a class occurs within those 5 years would be represented in the footprint layer. These temporally aggregated and categorially grouped layers generated from the CDL are referred to as Use Data Layers or UDLs.

The agricultural classes were further refined by comparing county level National Agricultural Statistics Service (NASS) 2012 Census of Agriculture (CoA) acreage reports to county level UDL acreages (additional detail can be found in the tool documentation, “**Processing the Census of Agriculture Data”** section). The UDL acreages represent the temporally aggregated and categorically grouped processing steps previously described, summarized at the county level. If a county’s UDL acreage for a given class was lower than the NASS acreage, the UDL extent was expanded within cultivated areas until the UDL acreage matched or exceeded the NASS CoA. Using the temporally and categorially aggregated UDL as an input, a script was developed that compares each UDL in each county to the corresponding NASS CoA acreage report. If the UDL acreage was less than NASS, the raster was expanded in 1 pixel iterations until the NASS acreage value was reached, exceeded, or the area within the cultivated mask was built out. Region growing was restricted using the UDL Cultivated Layer from the last year of the CDL as a mask (2017). This avoids buffering into any non-agricultural landcover types. This method reduces uncertainty related to landcover mapping by ensure the acres mapped on the ground in the UDL corresponds to the reported acreage from the CoA in this case, 2012. This helps addresses the uncertainty in acreage estimates in the landcover data given the known downward area bias in area estimates related to remotely sensed data. Additional details and the python scripts for this process can be found in with the tool documentation, **Generating Use Data Layers**, “**CDL to UDL Processing and Action Area Python Scripts**” section.

Every assessment begins with cross-walking registered uses into a landcover category. Chemicals are often not represented by all 13 UDL. Some chemicals specify geographic restrictions for a given use (*i.e*., application on wheat is limited to the state of Idaho). Geographic limitations for registered uses are imposed on the dataset downstream in the data processing workflow. The geographic restriction should be extracted from the use layer before it is aggregated with all other chemical uses to generate the action area for the chemical. Carbaryl’s agricultural uses are crosswalked to 11 of the UDLs classes, there are no geographic restrictions. A complete crosswalk for the carbaryl agricultural uses is provided in **Table 1** generated from **Attachment 1-4.** This crosswalk includes the label use name, the name(s) from the Census of Agriculture, SUUM use site (**APPENDIX 1-4**), and the UDL.

In addition to the potential use site each UDL is buffered in all directions using the ESRI ArcGIS Euclidean distance tool. This buffered area represents the potential exposure area associated with drift.

The CDL is not available for areas outside of the contiguous United States (ConUS). The CoA is often unavailable outside of ConUS as well. The Agricultural UDL Data Sources section describes how agriculture was spatially modeled by regions outside of ConUS, referred to as the non-lower 48 (NL48).

1. Non-Agricultural Uses

Non-agricultural label uses include a wide range of landcover and land use categories. Each label use was carefully considered and cross-walked with the best available landcover data. Where available, the 2011 National Land Cover Dataset (NLCD) was used to represent many non-agricultural label uses. Where NLCD wasn’t available, the NOAA C-CAP dataset and corresponding landcover classes were used. Details on the data sources for each non-agricultural UDL are provided in the Non-Agricultural UDL Data Source section. A complete crosswalk for the carbaryl non-agricultural uses is provided in **Table 2**. This crosswalk includes the label use name, SUUM use site (**APPENDIX 1-4**), and the UDL data sources used to generate each layer are provided in the UDL data source section.

1. Action Area

To create the action area for carbaryl all pertinent agricultural and non-agricultural UDLs are combined. This is completed by placing the UDLs on top of each other and combining them into one footprint. The resulting layer includes all locations found in each of the UDLs and with the buffered areas (non-use site locations) represented as minimum distance to a potential use site across all UDLs. This sets the exposure area for carbaryl related to drift. For additional detail on how the action area is generated see the tool documentation, “**CDL to UDL Processing and Action Area Python Scripts**” section.

1. UDL Data Sources
   1. Agricultural UDL Data Sources for the CONUS and NL48

* **ConUS**
  + Corn, Rice, Soybeans, Vineyards, Alfalfa/other agricultural grasses (non-grazing areas), Citrus, Other Crops, Other Grains, Other Orchards, Other Row Crops, Vegetables and ground fruit UDLs generated from the Cropland Data Layer (CDL) 2013-2017. See **APPENDIX 1-5** for details on the specific crops found in each UDL. National UDLS were use
* **Alaska (AK)**
  + National Land Cover Dataset (NLCD) Cultivated Class (82)
  + NASS CoA crosswalked to the general crop groups, summarized by county
    - *The summarized CoA data were generated as an option input dataset, and may or may not have been utilized in analysis*
* **Hawaii (HI)**
  + National Oceanic & Atmospheric Administration (NOAA) Coastal Change Analysis Program (CCAP), Cultivated Class (6)
* **Puerto Rico (PR)**
  + NLCD Cultivated Class (82)
* **Guam (GU)**
  + CCAP Cultivated Class (6)
  + Current CoA is not available for GU
* **Marianas (CNMI)**
  + CCAP Cultivated Class (6)
  + Current CoA is not available for CNMI
* **American Samoa (AS)**
  + CCAP Cultivated Class (6)
  + Current CoA is not available for AS
* **Virgin Islands (VI)**
  + CCAP Cultivated Class (6)
  + Current CoA is not available for VI

4.2 Non-Agricultural UDL Data Sources ConUS and NL48

Non-agricultural label uses include a wide range of landcover and land use categories. Each label use was carefully considered and cross-walked with the best available UDL. It is possible for a label use to crosswalked to multiple UDLs, this is discussed in more detail in the individual UDL sections below. Where available, the 2011 National Land Cover Dataset (NLCD) was used to represent many non-agricultural label uses (see below). Where NLCD wasn’t available, the NOAA C-CAP and other dataset outlined below were used. Below is a sample of label classes that were represented using NLCD Developed or Open Space Developed land use categories. These different Developed classes are discussed in more detail below.

* Grain/cereal/flour bins
* Grain/cereal/flour elevators
* Household/domestic dwellings (perimeter outdoor only)
* Non-agricultural outdoor building structures
* Ornamental and/or shade trees
* Ornamental herbaceous plants
* Ornamental non-flowering plants
* Ornamental woody shrubs and vines
* Refuse/solid waste containers (outdoors)
* Refuse/solid waste sites (outdoors)
* Commercial/Institution-Al/ Industrial Premises/ Equip. (Indoor and Outdoor) – Broadcast, Crack and Crevice/Void
* Domestic Dwellings Outdoor Premises;
* Food Processing Plant Premises (Nonfood Contact) – Crack and Crevice
* Nonagricultural Outdoor Buildings/Structures
* Poultry Litter
* Recreational Areas
* Sewer Manhole Covers and Walls
* Utilities – Broadcast
* Wood Protection Treatment to Buildings/Products Outdoor

When the NLCD was inadequate to represent a label use, other data sources were used in modeling as appropriate. The following list describes each label use and how it was spatially modeled by region.

* **Developed**

Developed land cover is used to spatially represent certain non-agricultural label uses and areas with a mixture of constructed materials and vegetation. Impervious surfaces account for 20% to 100% percent of total cover. These areas most commonly include single-family housing units, apartment complexes, row houses and commercial/industrial (NLCD 2011).

* + **ConUS**
    - NLCD class 22-24
  + **Alaska**
    - NLCD class 22-24
  + **Hawaii**
    - CCAP class 2-4
  + **Puerto Rico**
    - NLCD class 22-24
  + **Guam**
    - CCAP class 2
  + **Marianas**
    - CCAP class 2
  + **American Samoa**
    - CCAP class 2
  + **Virgin Islands**
    - CCAP class 2
* **Open Space Developed**

Open Space Developed (OSD) is used to spatially represent certain non-agricultural label uses and includes areas with a mixture of some constructed materials, but mostly vegetation in the form of lawn grasses. Impervious surfaces account for less than 20% of total cover. These areas most commonly include large-lot single-family housing units, parks, golf courses, and vegetation planted in developed settings for recreation, erosion control, or aesthetic purposes (NLCD 2011).

* + **ConUS**
    - NLCD class 21
  + **Alaska**
    - NLCD class 21
  + **Hawaii**
    - CCAP class 5
  + **Puerto Rico**
    - NLCD class 21
  + **Guam**
    - CCAP class 5
  + **Marianas**
    - CCAP class 5
  + **American Samoa**
    - CCAP class 5
  + **Virgin Islands**
    - CCAP class 5
* **Right-of-Ways**

Rights of way include areas that allow for passage on ground or property belong to another individual or government entity, these include areas such as roads, powerlines, railroad and pipelines. NLCD developed classes are sufficient for most scenarios. NLCD developed classes are insufficient in cases of rural minor roads, rural transmission lines, and rural pipelines.

* + **ConUS**
    - All NLCD developed classes everywhere (21-24)
      * *\*\* For generating Euclidean distance for ConUS Right-of-Ways (ROW), NLCD Developed classes do not have Euclidean distance algorithms applied. NLCD Developed classes are included in the footprint as a zero value in the final Euclidean distance file. The other component ROW classes do have Euclidean distance algorithms applied.*
    - ESRI Railroads
    - United States Census Bureau’s Topologically Integrated Geographic Encoding and Referencing database (TIGER) transmission (MAF/TIGER Feature Class Code (MTFCC) code L4020) and pipeline (MTFCC code L4010) data
    - Bonneville Power Administration’s (BPA) Right-of-Way data
    - Navteq roads
  + **Alaska**
    - See ConUS method (without BPA data)
  + **Hawaii**
    - All National Oceanic & Atmospheric Administration (NOAA) Coastal Change Analysis Program (CCAP) developed classes everywhere (2-5)
    - ESRI Railroads
    - TIGER transmission (MTFCC code L4020) and pipeline (MTFCC code L4010) data
    - NAVTEQ roads
  + **Puerto Rico**
    - See ConUS method (without BPA data)
  + **Guam**
    - All CCAP developed classes everywhere (2-5)
    - No ESRI Railroads data available for Guam
    - TIGER transmission (MTFCC code L4020) and pipeline (MTFCC code L4010) data
    - No NAVTEQ roads data available for Guam
  + **Marianas**
    - All CCAP developed classes everywhere (2-5)
    - No ESRI Railroads data available for Marianas
    - TIGER transmission (MTFCC code L4020) and pipeline (MTFCC code L4010) data
    - No NAVTEQ roads data available for Marianas
  + **American Samoa**
    - All CCAP developed classes everywhere (2-5)
    - No ESRI Railroads data available for American Samoa
    - No TIGER data available for American Samoa
    - No NAVTEQ roads data available for American Samoa
  + **Virgin Islands**
    - All CCAP developed classes everywhere (2-5)
    - No ESRI Railroads data available for Virgin Islands
    - No TIGER data available for Virgin Islands
    - No NAVTEQ roads data available for Virgin Islands
* **Pasture/Rangeland (Grazing Areas)**

The CDL and NLCD map a pasture class, but this is primarily grassland pastures. The grazing cattle land use is added to additional land cover types, such as forests, shrublands, wetlands, etc.

* + **ConUS**
    - CDL and NLCD pasture classes everywhere
      * Excludes the cultivated agricultural grasses (captured in the alfalfa layer described above)
    - Undeveloped NLCD classes within Bureau of Land Management (BLM) and United States Forest Service (USFS) grazing allotment boundaries
      * *Exclude NLCD developed, water, and cultivated*
  + **Alaska**
    - NLCD pasture class everywhere
    - Undeveloped NLCD classes within BLM grazing allotment boundaries
    - No USFS grazing allotment boundaries available for AK
  + **Hawaii**
    - CCAP pasture class 7
    - No BLM or USFS grazing allotment boundaries available for HI
  + **Puerto Rico**
    - NLCD pasture class 81
    - No BLM or USFS grazing allotment boundaries available for PR
  + **Guam**
    - CCAP pasture class 7
    - No BLM or USFS grazing allotment boundaries available for GU
  + **Marianas**
    - CCAP pasture class 7
    - No BLM or USFS grazing allotment boundaries available for CNMI
  + **American Samoa**
    - CCAP pasture class 7
    - No BLM or USFS grazing allotment boundaries available for AS
  + **Virgin Islands**
    - CCAP pasture class 7
    - No BLM or USFS grazing allotment boundaries available for VI
* **Forest Trees**

Forested areas managed for timber extraction, forested areas, forest tree plantations and Cropland Data Layer (CDL) class 70, Christmas Trees, are used for ConUS.

* + **ConUS**
    - Cropland Data Layer (CDL) class 70, Christmas Trees
    - Include all the following LandFire Existing Vegetation Type (EVT) classes; "Recently Logged-Herb and Grass Cover", "Recently Logged-Shrub Cover", "Recently Logged-Tree Cover", "Managed Tree Plantation-Northern and Central Hardwood and Conifer Plantation Group", or "Managed Tree Plantation-Southeast Conifer and Hardwood Plantation Group"
    - Include any of the following United States Geologic Survey (USGS) National Gap Analysis Program (GAP) Public Model Ready Events; "Thinning", "Other Mechanical", "Clearcut", "Harvest", or "Reforestation"
    - Include any of the following USGS GAP Land Cover classes; "Recently Logged Areas", "Harvested Forest - Grass/Forb Regeneration", "Harvested Forest-Shrub Regeneration", "Harvested Forest - Northwestern Conifer Regeneration", "Managed Tree Plantation", "Evergreen Plantation or Managed Pine", "Deciduous Plantations"
    - Include either of the following USGS GAP Protected Areas Database classes where NLCD indicates "Forest" (41-43); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or Off Highway Vehicles (OHV) use" and "4 - no known mandate for protection"
  + **Alaska**
    - Include either of the following USGS GAP Protected Areas Database classes where NLCD indicates "Forest" (41-43); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or OHV use" and "4 - no known mandate for protection"
    - Include any of the following USGS GAP Public Model Ready Events; "Thinning", "Other Mechanical", "Clearcut", "Harvest", or "Reforestation"
    - AK LandFire EVT and GAP land cover do not have classes indicative of forest management
  + **Hawaii**
    - Include the following LandFire EVT class; “Hawai'i Managed Tree Plantation”
    - Include either of the following USGS GAP Protected Areas Database classes where CCAP indicates "Forest" (9-11); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or OHV use" and "4 - no known mandate for protection"
    - HI GAP land cover and USGS GAP Public Model Ready Events for HI do not have classes indicative of forest management
  + **Puerto Rico**
    - Include the following GAP land cover classes; “Abandoned dry forest plantation”, “Woody agriculture and plantations: Palm plantations”
    - Include either of the following USGS GAP Protected Areas Database classes where CCAP indicates "Forest" (9-11); "3 - managed for multiple uses - subject to extractive (*e.g.*, .mining or logging) or OHV use" and "4 - no known mandate for protection"
    - PR LandFire EVT is not available
  + **Guam**
    - Include either of the following USGS GAP Protected Areas Database classes where CCAP indicates "Forest" (9-11); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or OHV use" and "4 - no known mandate for protection"
    - LandFire EVT, GAP land cover, and USGS GAP Public Model Ready Events are not available for Guam
  + **Marianas**
    - Include either of the following USGS GAP Protected Areas Database classes where CCAP indicates "Forest" (9-11); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or OHV use" and "4 - no known mandate for protection"
    - LandFire EVT, GAP land cover, and USGS GAP Public Model Ready Events are not available for the Marianas
  + **American Samoa**
    - LandFire EVT, GAP land cover, and USGS GAP Public Model Ready Events are not available for the Marianas
    - USGS GAP Protected Areas Database does not indicate areas indicative of forest management
  + **Virgin Islands**
    - Include either of the following USGS GAP Protected Areas Database classes where CCAP indicates "Forest" (9-11); "3 - managed for multiple uses - subject to extractive (*e.g*., mining or logging) or OHV use" and "4 - no known mandate for protection"
    - LandFire EVT, GAP land cover, and USGS GAP Public Model Ready Events are not available for the Marianas
* **Nurseries**

Non-agricultural Nurseries represent a land use that is not exclusive to any nationwide land cover class. Nurseries are mapped by using geocoded Dun and Bradstreet (D&B) business database addresses. Label uses that are covered by this UDL found on ornamentals, shrubs/vines, and non-food trees, grown in a non-agricultural setting (*e.g.* Retail Nurseries, Garden supple stores or retail horticultural location. This UDL does not include labels represented by agricultural nursery uses such as trees grown for food, tree plantations or transplanted trees, shrubs, and ornamentals. These agricultural nurseries are captured in the agricultural UDLs described above, specifically Other Orchards and Citrus.

* + **ConUS**
    - Using the Dun and Bradstreet business database, select all records with any SIC Codes starting with “018” (Horticultural Specialties) or “526” (Retail Nurseries, Lawn And Garden Supply Stores)
    - Selected points are then buffered by their facility size attribute. Where facility size is absent, substitute the Census of Agriculture’s average acreage by county, calculated using Nursery Totals. If a county’s nursery acreages are undisclosed, then an average of all county averages is used. A circular buffer is applied, where radius is solved for using the areas previously described. In an effort to map production facilities only and not business offices, use the ‘Location Type’ attribute to categorize locations.
  + **Alaska**
    - Dun and Bradstreet business database was used in the same method as applied to ConUS.
  + **Hawaii**
    - Dun and Bradstreet business database was used in the same method as applied to ConUS.
  + **Puerto Rico**
    - Dun and Bradstreet business database was used in the same method as applied to ConUS.
  + **Guam**
    - No Dun and Bradstreet business data were available for Guam.
  + **Marianas**
    - No Dun and Bradstreet business data were available for Marianas.
  + **American Samoa**
    - No Dun and Bradstreet business data were available for American Samoa.
  + **Virgin Islands**
    - Dun and Bradstreet business database was used in the same method as applied to ConUS.

Table 1. Crosswalk of carbaryl agricultural uses across crop sources

| **Use from Master Label** | **Crop Reported in SUUM** | **Census Of Agriculture** | **ConUS UDL** | **NL48 UDL** | **Notes UDL** |
| --- | --- | --- | --- | --- | --- |
| ALFALFA | Alfalfa | HAY; HAYLAGE | Alfalfa and other non-agricultural grasses | Ag |  |
| All crops/sites | NA | NA | NA |  | Covered by other mapped UDLs |
| APPLE | Apples | APPLES | Other Orchards | Ag |  |
| ASPARAGUS | Asparagus | ASPARAGUS | Vegetables & Ground Fruit | Ag |  |
| Asparagus - postharvest | Asparagus | ASPARAGUS | Vegetables & Ground Fruit | Ag |  |
| Asparagus - preharvest | Asparagus | ASPARAGUS | Vegetables & Ground Fruit | Ag |  |
| BEANS | Beans (Snap, Bush, Pole, String) | BEANS, SNAP | Vegetables & Ground Fruit | Ag |  |
| BEANS, DRIED-TYPE | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA),GUAR,LENTILS,PEAS, AUSTRIAN WINTER,PEAS, CHINESE (SUGAR & SNOW),PEAS, DRY EDIBLE,PEAS, DRY, SOUTHERN (COWPEAS),PEAS, GREEN, (EXCL SOUTHERN),PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| BEETS (GREENS) | Beets, Rutabaga, Turnips | BEETS | Vegetables & Ground Fruit | Ag |  |
| BEETS (ROOT) | Beets, Rutabaga, Turnips | BEETS | Vegetables & Ground Fruit | Ag |  |
| BLACKBERRY | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| BLUEBERRY | Blueberries | BLUEBERRIES, TAME; BLUEBERRIES, WILD | Vegetables & Ground Fruit | Ag |  |
| BOYSENBERRY | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| BRASSICA (HEAD AND STEM) VEGETABLES | Other Brassica Leafy Vegetables | GREENS, TURNIP; VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD | Vegetables & Ground Fruit | Ag |  |
| Brassica Leafy Vegetables | Other Brassica Leafy Vegetables | GREENS, TURNIP | Vegetables & Ground Fruit | Ag |  |
| Brassica Leafy Vegetables | Other Brassica Leafy Vegetables | VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD; GREENS, TURNIP | Vegetables & Ground Fruit | Ag |  |
| Brassica, leafy vegetables, Crop Group 5: Head and Stem Brassica Vegetables Crop Subgroup 5A | Other Brassica Leafy Vegetables | GREENS, TURNIP; VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD | Vegetables & Ground Fruit | Ag |  |
| Brassica, leafy vegetables, Crop Group 5: Leafy Brassica Green Vegetables, Crop Subgroup 5B | Other Brassica Leafy Vegetables | GREENS, TURNIP; VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD | Vegetables & Ground Fruit | Ag |  |
| BROCCOLI | Broccoli | BROCCOLI | Vegetables & Ground Fruit | Ag |  |
| BRUSSELS SPROUTS | Brussels Sprouts | BRUSSELS SPROUTS | Vegetables & Ground Fruit | Ag |  |
| Bushberry subgroup 13-07B | Blueberries, Caneberries, Strawberries, | BLUEBERRIES, TAME; BLUEBERRIES, WILD; BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES; CRANBERRIES; STRAWBERRIES | Vegetables & Ground Fruit | Ag |  |
| Bushberry, Crop Subgroup 13-07B | Blueberries, Caneberries, Strawberries | BLUEBERRIES, TAME; BLUEBERRIES, WILD; CRANBERRIES; STRAWBERRIES; BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| CABBAGE | Cabbage | CABBAGE, CHINESE; CABBAGE, HEAD | Vegetables & Ground Fruit | Ag |  |
| Caneberry subgroup 13-07A | Caneberries, Berries (13-07A and 13-07B) | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES; BERRIES, OTHER | Vegetables & Ground Fruit | Ag |  |
| Caneberry, Crop Subgroup 13-07A | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| CARROT (INCLUDING TOPS) | Carrot Tops Roots | CARROTS | Vegetables & Ground Fruit | Ag |  |
| CAULIFLOWER | Cauliflower | CAULIFLOWER | Vegetables & Ground Fruit | Ag |  |
| Popcorn | Corn (Pop) | POPCORN, SHELLED | Vegetables & Ground Fruit, | Ag |  |
| Field Corn | Corn (Field | CORN, GRAIN; CORN, SILAGE; | Corn | Ag |  |
| Cereal Grain Crops | Cereal Grains | FIELD CROPS, OTHER | Other Grains | Ag |  |
| CHERRY | Cherries | CHERRIES, SWEET,CHERRIES, TART | Other Orchards | Ag |  |
| CITRUS; Citrus Fruits All states; Citrus Fruits CA red scale, yellow scale; Citrus Fruits FL adult citrus weevil | Other Citrus | CITRUS, OTHER; KUMQUATS; LIMES; TANGELOS; TEMPLES | Citrus | Ag |  |
| Citrus, Crop Group 10 | Grapefruit, Lemons, Oranges, Tangerines | GRAPEFRUIT,LEMONS,ORANGES,TANGERINES | Citrus | Ag |  |
| CLOVER | Clover | CLOVER | Other Crops | Ag |  |
| COLLARDS | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| COMMERCIAL FISHERY WATER SYSTEMS | Shrimp Ponds, Commercial | Nan | Other Crops | Ag |  |
| CORN, FIELD | Corn (Field) | CORN, GRAIN; CORN, SILAGE | Corn | Ag |  |
| CORN, POP | Corn (Pop) | POPCORN, SHELLED | Vegetables & Ground Fruit | Ag |  |
| Corn, Sweet | Corn (Sweet) | SWEET CORN | Vegetables & Ground Fruit | Ag |  |
| Corn, Sweet | Corn (Sweet) | SWEET CORN | Vegetables & Ground Fruit | Ag |  |
| CRANBERRY | Cranberry | CRANBERRIES | Vegetables & Ground Fruit | Ag |  |
| Cranberry | Cranberry | CRANBERRIES | Vegetables & Ground Fruit | Ag |  |
| CUCUMBER | Cucumbers | CUCUMBERS | Vegetables & Ground Fruit | Ag |  |
| Cucurbit Crop Group 9 | Other Cucurbits | MELONS, HONEYDEW | Vegetables & Ground Fruit | Ag |  |
| Cucurbit Vegetables | Other Cucurbits | MELONS, HONEYDEW | Vegetables & Ground Fruit | Ag |  |
| Cucurbit Vegetables, Crop Group 9 | Other Cucurbits | MELONS, HONEYDEW | Vegetables & Ground Fruit | Ag |  |
| DANDELION | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| DEWBERRY | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| Dried shelled pea and bean (except soybean) subgroup 6C | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| Edible-podded legume vegetables subgroup 6A | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| EGGPLANT | Eggplant | EGGPLANT | Vegetables & Ground Fruit | Ag |  |
| ENDIVE (ESCAROLE) | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| Flax | Flax | FLAXSEED | Other Grains | Ag |  |
| FOLIAGE OF LEGUME VEGETABLES 7 | Beans (Snap, Bush, Pole, String),Dry Beans/Peas, Lima Beans | BEANS, SNAP; BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS); BEANS, DRY EDIBLE, LIMA; BEANS, GREEN, LIMA; | Vegetables & Ground Fruit | Ag |  |
| Forage Crops | Other Forage Crops: Birdsfoot Trefoil | FIELD CROPS, OTHER | Other Crops, | Ag |  |
| Fruiting Vegetables | Other Fruiting Vegetables | CURRANTS | Vegetables & Ground Fruit | Ag |  |
| FRUITING VEGETABLES (EXCEPT CUCURBITS) 8 | Other Fruiting Vegetables | CURRANTS | Vegetables & Ground Fruit | Ag |  |
| Fruiting Vegetables (except cucurbits) Crop Group 8 | Other Fruiting Vegetables | CURRANTS | Vegetables & Ground Fruit | Ag |  |
| Grain Sorghum | Sorghum | SORGHUM, GRAIN; SORGHUM, SILAGE; SORGHUM, SYRUP | Other Grains | Ag |  |
| Grape | Grapes | GRAPES | Vineyards | Ag |  |
| GRAPES | Grapes, Grapes, Table/Raisin, Grapes, Wine | GRAPES | Vineyards | Ag |  |
| GRASS FORAGE/FODDER/HAY | Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed | FIELD CROPS, OTHER | Other Crops; | Ag |  |
| GRASSES GROWN FOR SEED | Forage Grasses Grown for Hay and/or Seed | GRASSES & LEGUMES, OTHER, SEED; GRASSES, BAHIA GRASS, SEED; GRASSES, BENTGRASS, SEED; GRASSES, BERMUDA GRASS, SEED; GRASSES, BLUEGRASS, KENTUCKY, SEED; GRASSES, BROMEGRASS, SEED; GRASSES, FESCUE, SEED; GRASSES, ORCHARDGRASS, SEED; GRASSES, RYEGRASS, SEED; GRASSES, SUDANGRASS, SEED; GRASSES, TIMOTHY, SEED; GRASSES, WHEATGRASS, SEED; LEGUMES, ALFALFA, SEED; LEGUMES, BIRDSFOOT TREFOIL, SEED; LEGUMES, CLOVER, CRIMSON, SEED; LEGUMES, CLOVER, LADINO, SEED; LEGUMES, CLOVER, RED, SEED; LEGUMES, CLOVER, WHITE, SEED | Other Crops | Ag |  |
| Head & Stem Brassica subgroup 5A | Other Brassica Leafy Vegetables | GREENS, TURNIP; VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD | Vegetables & Ground Fruit | Ag |  |
| HORSERADISH | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| KALE | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| KOHLRABI | Other Brassica Leafy Vegetables | VEGETABLES, OTHER | Vegetables & Ground Fruit | Ag |  |
| Leaf petioles subgroup 4B | Other Leafy Vegetables, Celery | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS; CELERY | Vegetables & Ground Fruit | Ag |  |
| Leafy Brassica greens subgroup 5B | Other Brassica Leafy Vegetables | GREENS, TURNIP; VEGETABLES, OTHER; GREENS, MUSTARD; GREENS, KALE; GREENS, COLLARD; CABBAGE, MUSTARD | Vegetables & Ground Fruit | Ag |  |
| LEAFY GREENS | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| Leafy Vegetables | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| Leafy Vegetables (except Brassica) Crop Group 4 | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| Leave or Roots and Tuber Vegetables, Crop Group 2 | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Legume Vegetables | Beans (Snap, Bush, Pole, String), Dry Beans/Peas | BEANS, SNAP; BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| Legume Vegetables, Dried Shelled Peas and Beans, Crop Group 6C | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| LETTUCE | Lettuce | LETTUCE | Vegetables & Ground Fruit | Ag |  |
| LOGANBERRY | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| MELONS | Cantaloupes, Watermelons, Other Cucurbits, Watermelons, Other Cucurbits, Watermelons | MELONS, CANTALOUP; MELONS, WATERMELON | Vegetables & Ground Fruit | Ag |  |
| MELONS, CANTALOUPE | Cantaloupes | MELONS, CANTALOUP | Vegetables & Ground Fruit | Ag |  |
| MUSTARD | Other Leafy Vegetables | CABBAGE, MUSTARD; ESCAROLE & ENDIVE; GREENS, COLLARD; GREENS, KALE; GREENS, MUSTARD; GREENS, TURNIP; VEGETABLES, OTHER; WATERCRESS | Vegetables & Ground Fruit | Ag |  |
| NECTARINE | Nectarines | NECTARINES | Other Orchards | Ag |  |
| Okra | Other Fruiting Vegetables | CURRANTS | Vegetables & Ground Fruit | Ag |  |
| Okra | Other Fruiting Vegetables | CURRANTS | Vegetables & Ground Fruit | Ag |  |
| OLIVE | Olive | OLIVES | Other Orchards | Ag |  |
| Olive | Olive | OLIVES | Other Orchards | Ag |  |
| Olives | Olive | OLIVES | Other Orchards | Ag |  |
| PARSLEY | Parsley | PARSLEY | Vegetables & Ground Fruit | Ag |  |
| PARSNIP | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Pasture and Grasses Grown for Hay and/or Seed | Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed, Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed | GRASSES & LEGUMES, OTHER, SEED; GRASSES, BAHIA GRASS, SEED; GRASSES, BENTGRASS, SEED; GRASSES, BERMUDA GRASS, SEED; GRASSES, BLUEGRASS, KENTUCKY, SEED; GRASSES, BROMEGRASS, SEED; GRASSES, FESCUE, SEED; GRASSES, ORCHARDGRASS, SEED; GRASSES, RYEGRASS, SEED; GRASSES, SUDANGRASS, SEED; GRASSES, TIMOTHY, SEED; GRASSES, WHEATGRASS, SEED; LEGUMES, ALFALFA, SEED; LEGUMES, BIRDSFOOT TREFOIL, SEED; LEGUMES, CLOVER, CRIMSON, SEED; LEGUMES, CLOVER, LADINO, SEED; LEGUMES, CLOVER, RED, SEED; LEGUMES, CLOVER, WHITE, SEED | Other Crops, Alfalfa | Ag |  |
| PASTURES | Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed, Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed | GRASSES & LEGUMES, OTHER, SEED; GRASSES, BAHIA GRASS, SEED; GRASSES, BENTGRASS, SEED; GRASSES, BERMUDA GRASS, SEED; GRASSES, BLUEGRASS, KENTUCKY, SEED; GRASSES, BROMEGRASS, SEED; GRASSES, FESCUE, SEED; GRASSES, ORCHARDGRASS, SEED; GRASSES, RYEGRASS, SEED; GRASSES, SUDANGRASS, SEED; GRASSES, TIMOTHY, SEED; GRASSES, WHEATGRASS, SEED; LEGUMES, ALFALFA, SEED; LEGUMES, BIRDSFOOT TREFOIL, SEED; LEGUMES, CLOVER, CRIMSON, SEED; LEGUMES, CLOVER, LADINO, SEED; LEGUMES, CLOVER, RED, SEED; LEGUMES, CLOVER, WHITE, SEED | Other Crops, Alfalfa | Ag |  |
| Pastures and Grasses (grown for hay or seed | Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed, Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed | GRASSES & LEGUMES, OTHER, SEED; GRASSES, BAHIA GRASS, SEED; GRASSES, BENTGRASS, SEED; GRASSES, BERMUDA GRASS, SEED; GRASSES, BLUEGRASS, KENTUCKY, SEED; GRASSES, BROMEGRASS, SEED; GRASSES, FESCUE, SEED; GRASSES, ORCHARDGRASS, SEED; GRASSES, RYEGRASS, SEED; GRASSES, SUDANGRASS, SEED; GRASSES, TIMOTHY, SEED; GRASSES, WHEATGRASS, SEED; LEGUMES, ALFALFA, SEED; LEGUMES, BIRDSFOOT TREFOIL, SEED; LEGUMES, CLOVER, CRIMSON, SEED; LEGUMES, CLOVER, LADINO, SEED; LEGUMES, CLOVER, RED, SEED; LEGUMES, CLOVER, WHITE, SEED | Other Crops, Alfalfa | Ag |  |
| PEACH | Peaches | PEACHES | Other Orchards | Ag |  |
| Peanuts | Peanuts | PEANUTS | Other Row Crops | Ag |  |
| PEANUTS (UNSPECIFIED) | Peanuts | PEANUTS | Other Row Crops | Ag |  |
| PEAR | Pears | PEARS | Other Orchards | Ag |  |
| PEAS (UNSPECIFIED) | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| PEAS, DRIED-TYPE | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| PEAS, SOUTHERN | Dry Beans/Peas | BEANS, DRY EDIBLE, (EXCL LIMA); GUAR; LENTILS; PEAS, AUSTRIAN WINTER; PEAS, CHINESE (SUGAR & SNOW); PEAS, DRY EDIBLE; PEAS, DRY, SOUTHERN (COWPEAS); PEAS, GREEN, (EXCL SOUTHERN); PEAS, GREEN, SOUTHERN (COWPEAS) | Vegetables & Ground Fruit | Ag |  |
| PEPPER | Peppers | PEPPERS, BELL; PEPPERS, CHILE | Vegetables & Ground Fruit | Ag |  |
| PISTACHIO | Pistachios | PISTACHIOS | Other Orchards | Ag |  |
| Pistachios - all states exc. CA | Pistachios | PISTACHIOS | Other Orchards | Ag |  |
| Pistachios - CA | Pistachios | PISTACHIOS | Other Orchards | Ag |  |
| PLUM | Plums | PLUM-APRICOT HYBRIDS, INCL PLUMCOTS & PLUOTS; PLUMS & PRUNES | Other Orchards | Ag |  |
| Pome Fruit Crop Group 11 | Other Pome Fruit | NON-CITRUS, OTHER, (EXCL BERRIES); APPLES; PEARS; POMEGRANATES | Other Orchards | Ag |  |
| Pome Fruits | Other Pome Fruit | NON-CITRUS, OTHER, (EXCL BERRIES); APPLES; PEARS | Other Orchards | Ag |  |
| Pome Fruits, Crop Group 11 | Other Pome Fruit | NON-CITRUS, OTHER, (EXCL BERRIES); APPLES; PEARS | Other Orchards | Ag |  |
| POTATO, WHITE/IRISH (OR UNSPECIFIED) | Potato | POTATOES | Vegetables & Ground Fruit | Ag |  |
| Prickly Pear Cactus | Prickly pear Cactus Pads | NON-CITRUS, OTHER, (EXCL BERRIES) | Other Orchards | Ag |  |
| PRICKLYPEAR CACTUS PADS | Prickly pear Cactus Pads | VEGETABLES, OTHER | Other Orchards | Ag |  |
| PRUNE | Plums | PLUM-APRICOT HYBRIDS, INCL PLUMCOTS & PLUOTS; PLUMS & PRUNES | Other Orchards | Ag |  |
| PUMPKIN | Pumpkins | PUMPKINS | Vegetables & Ground Fruit | Ag |  |
| RADISH | Radish | RADISHES | Vegetables & Ground Fruit | Ag |  |
| RASPBERRY (BLACK, RED) | Caneberries | BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| Rice | Rice | RICE; WILD RICE | Rice | Ag |  |
| Root and Tuber Crops | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| ROOT AND TUBER VEGETABLES | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| ROOT AND TUBER VEGETABLES (except sugar beets and sweet potatoes) 1 | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Root and Tuber Vegetables, Crop Group 1 | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| RUTABAGA | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| SALSIFY | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| SMALL FRUITS | Blueberries, Caneberries, Cranberry, Strawberries | BLUEBERRIES, TAME; BLUEBERRIES, WILD; BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES; BOYSENBERRIES; LOGANBERRIES; RASPBERRIES; CRANBERRIES; STRAWBERRIES | Vegetables & Ground Fruit | Ag |  |
| Small Fruits and Berries - Grapes | Grapes | GRAPES | Vineyards | Ag |  |
| Small Fruits and Berries (except grapes) | Blueberries, Cranberry, Strawberries, Caneberries | BLUEBERRIES, TAME,BLUEBERRIES, WILD,CRANBERRIES,STRAWBERRIES,BLACKBERRIES, INCL DEWBERRIES & MARIONBERRIES,BOYSENBERRIES,LOGANBERRIES,RASPBERRIES | Vegetables & Ground Fruit | Ag |  |
| Sod Farms | Ornamental Sod Farm (Turf) | nan | Other Crops | Ag |  |
| SORGHUM | Sorghum | SORGHUM, GRAIN; SORGHUM, SILAGE; SORGHUM, SYRUP | Other Grains | Ag |  |
| SOYBEANS | Soybeans | SOYBEANS | Soybeans | Ag |  |
| SOYBEANS (UNSPECIFIED) | Soybeans | SOYBEANS | Soybeans | Ag |  |
| SPINACH | Spinach | SPINACH | Vegetables & Ground Fruit | Ag |  |
| SQUASH (ALL OR UNSPECIFIED) | Squash | SQUASH | Vegetables & Ground Fruit | Ag |  |
| Stone Fruit Crop Group 12 | Other Stone Fruit; Apricots | FIGS; MANGOES; APRICOTS; GUAVAS | Other Orchards | Ag |  |
| Stone Fruit, Crop Group 12 | Other Stone Fruit | GUAVAS | Other Orchards | Ag |  |
| Stone Fruits - all states exc. CA | Other Stone Fruit | FIGS; MANGOES | Other Orchards | Ag |  |
| Stone Fruits - CA only | Other Stone Fruit | FIG; MANGOES | Other Orchards | Ag |  |
| Stone Fruits - Delayed Dormant Appl | Other Stone Fruit | FIGS; MANGOES | Other Orchards | Ag |  |
| STRAWBERRY | Strawberries | STRAWBERRIES | Vegetables & Ground Fruit | Ag |  |
| Strawberry | Strawberries | STRAWBERRIES | Vegetables & Ground Fruit | Ag |  |
| SUGAR BEET | Sugar Beet | SUGARBEETS | Other Row Crops | Ag |  |
| Sugar Beets | Sugar Beet | SUGARBEETS | Other Row Crops | Ag |  |
| SUNFLOWER | Sunflower | SUNFLOWER | Other Row Crops | Ag |  |
| Sunflowers | Sunflower | SUNFLOWER | Other Row Crops | Ag |  |
| Sweet Corn | Corn (Sweet) | SWEET CORN | Vegetables & Ground Fruit | Ag |  |
| SWEET POTATO | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Sweet Potato | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Sweet Potatoes | Other Root and Tuber Vegetables | ARTICHOKES; CHICORY; DAIKON; GINGER ROOT; GINSENG; HORSERADISH; RHUBARB; SWEET POTATOES; TARO | Vegetables & Ground Fruit | Ag |  |
| Tobacco | Tobacco | TOBACCO | Other Row Crops | Ag |  |
| TOMATO | Tomatoes | TOMATOES | Vegetables & Ground Fruit | Ag |  |
| Tree Nuts | Other Tree Nuts | AVOCADOS; CHESTNUTS; DATES; MACADAMIAS; TREE NUTS, OTHER | Other Orchards | Ag |  |
| TREE NUTS 14 | Other Tree Nuts | AVOCADOS; CHESTNUTS; DATES; MACADAMIAS; TREE NUTS, OTHER | Other Orchards | Ag |  |
| Tree Nuts, Crop Group 14 | Other Tree Nuts ,Almonds, Hazelnuts, Pecans | AVOCADOS; CHESTNUTS; DATES; MACADAMIAS; TREE NUTS, OTHER; ALMONDS; HAZELNUTS; PECANS | Other Orchards | Ag |  |
| TREFOIL | Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed, Other Forage Crops: Birdsfoot Trefoil, Clover, Forage Grasses Grown for Hay and/or Seed | GRASSES & LEGUMES, OTHER, SEED; GRASSES, BAHIA GRASS, SEED; GRASSES, BENTGRASS, SEED; GRASSES, BERMUDA GRASS, SEED; GRASSES, BLUEGRASS, KENTUCKY, SEED; GRASSES, BROMEGRASS, SEED; GRASSES, FESCUE, SEED; GRASSES, ORCHARDGRASS, SEED; GRASSES, RYEGRASS, SEED; GRASSES, SUDANGRASS, SEED; GRASSES, TIMOTHY, SEED; GRASSES, WHEATGRASS, SEED; LEGUMES, ALFALFA, SEED; LEGUMES, BIRDSFOOT TREFOIL, SEED; LEGUMES, CLOVER, CRIMSON, SEED; LEGUMES, CLOVER, LADINO, SEED; LEGUMES, CLOVER, RED, SEED; LEGUMES, CLOVER, WHITE, SEED | Other Crops, Alfalfa | Ag |  |
| Turfgrass | Ornamental Sod Farm (Turf) | NA | Other Crops | Ag |  |
| TURNIP (GREENS) | Beets, Rutabaga, Turnips | TURNIPS | Vegetables & Ground Fruit | Ag |  |
| TURNIP (ROOT) | Beets, Rutabaga, Turnips | TURNIPS | Vegetables & Ground Fruit | Ag |  |
| Walnut | Walnuts | WALNUTS, ENGLISH | Other Orchards | Ag |  |

**Table 2. Crosswalk of carbaryl non-agricultural uses.**

| **Use from Master Label** | **Crop Reported in SUUM** | **ConUS UDL** | **NL48 UDL** | **Notes UDL** |
| --- | --- | --- | --- | --- |
| COMMERCIAL/INSTITUTIONAL/INDUSTRIAL PREMISES/EQUIPMENT (OUTDOOR) | Household/Domestic Dwellings Outdoor Premises, External Pest Treatments Applied by Pest Management Professionals | Developed | Developed | Available in all NL48 regions |
| FOREST TREES (ALL OR UNSPECIFIED) | Forests | Forest Trees | Forest Trees | Not available in America Samoa |
| Forested Areas and Rangeland Trees | Forests | Forest Trees | Forest Trees | Not available in America Samoa |
| Forested Areas and Rangeland Trees | Forests | Forest Trees | Forest Trees | Not available in America Samoa |
| Golf Courses | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| Grasshopper and Mormon Cricket | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| HOUSEHOLD/DOMESTIC DWELLINGS OUTDOOR PREMISES | Household/Domestic Dwellings Outdoor Premises, External Pest Treatments Applied by Pest Management Professionals | Developed | Developed | Available in all NL48 regions |
| NONAGRICULTURAL OUTDOOR BUILDINGS/STRUCTURES | Household/Domestic Dwellings Outdoor Premises, External Pest Treatments Applied by Pest Management Professionals | Developed | Developed | Available in all NL48 regions |
| NONAGRICULTURAL RIGHTS-OF-WAY/FENCEROWS/HEDGEROWS | Roadways, Electrical and Railroad | Right of Way; Covered by other UDLs | Right of Way; Covered by other UDLs | Available in all NL48 regions |
| Non-cropland Uses: Conservation Reserve Program (CRP), Set Aside Program Acreage, Wasteland, Rights of Way, Hedgegrows, ditchbanks, Roadsides | Roadways, Electrical and Railroad | Right of Way; Covered by other UDLs | Right of Way; Covered by other UDLs | Available in all NL48 regions |
| ORNAMENTAL HERBACEOUS PLANTS | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| ORNAMENTAL LAWNS AND TURF | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| Ornamental Trees and Plants | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| ORNAMENTAL WOODY SHRUBS AND VINES | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| ORNAMENTALS (UNSPECIFIED) | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| PATHS/PATIOS | Household/Domestic Dwellings Outdoor Premises, External Pest Treatments Applied by Pest Management Professionals | Developed | Developed | Available in all NL48 regions |
| RANGELAND | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Rangeland | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Recreational Areas (sports fields, commerical lawns, cemeteries, camp sites, etc.) | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| RESIDENTIAL LAWNS | Household/Domestic Dwellings Outdoor Premises, External Pest Treatments Applied by Pest Management Professionals | Developed | Developed | Available in all NL48 regions |
| Specific Pests Across Multiple Sites - Grasshoppers | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Specific Pests Across Multiple Sites - Imported Fire Ants | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Specific Pests Across Multiple Sites - Imported Fire Ants (I split into 2 sites by application method) | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Specific Pests Across Multiple Sites - Nuisance Pests | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Specific Pests Across Multiple Sites - Ticks which may vector Lyme Disease | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Ticks | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |
| Trees and Ornamentals | Ornamental Lawn & Turf; applied by Lawn Care Operators, Applied by Landscape Contractors, In Institutional Turf Facilities, Golf Course and Ornamental Sod Farms (Turf)) | Open Space Developed | Open Space Developed | Available in all NL48 regions |
| Noncropland | Covers Trees and Plants, Woody Shrubs and Vines grown in Nurseries | Nurseries, Developed | Nurseries, Developed | Nurseries UDL is not available in Commonwealth of the Northern Mariana Islands, Guam and America Samoa |
| Nuisance Pests - Perimeter Treatment | NA | NA | NA | Covered by other mapped UDLs |
| ORNAMENTAL AND/OR SHADE TREES | NA | NA | NA | Covered by other mapped UDLs |
| NONAGRICULTURAL UNCULTIVATED AREAS/SOILS | NA | NA | NA | Covered by other mapped UDLs |
| PASTURES | Rangeland and Pasture | Pasture/Rangeland | Pasture/Rangeland | Available in all NL48 regions |

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