

**Table S1.** List of US states from which USDA NASS chemical pesticide application data is available.

Crop	Year	Pesticide class	US States
<i>Vegetable crop</i>			
Asparagus	2016	all	California, Michigan, Washington
Beans, snap, processing	2016	all	California, Florida, Georgia, Michigan, New York, North Carolina, Oregon, Pennsylvania, Tennessee, Wisconsin
Broccoli	2016	all	California
Carrots, fresh market	2016	all	California, Michigan, Texas, Wisconsin
Cauliflower	2016	all	California
Celery	2016	fungicide	California
Celery	2016	herbicide	California, Florida, Michigan, New Jersey, North Carolina, Ohio, Texas, Wisconsin
Celery	2016	insecticide	California, Florida, Georgia, Michigan, New Jersey, North Carolina, Ohio, Texas
Eggplant	2010	all	New Jersey
Garlic	2016	all	California
Lettuce, head and non-head	2016	all	Arizona, California
Melons, (cantaloupe, honeydew, watermelon)	2016	all	Arizona, California, Florida, Georgia, Indiana, North Carolina, South Carolina, Texas
Onions, dry	2016	all	California, New York, Oregon, Texas, Washington
Peas, green, processing	2016	fungicide	Oregon, Washington, Wisconsin
Peas, green, processing	2016	herbicide, insecticide	Minnesota, Oregon, Washington, Wisconsin
Peppers, bell	2016	all	California, Florida, Georgia, New Jersey, North Carolina
Pumpkins	2016	all	California, Illinois, Michigan, Ohio, Pennsylvania
Spinach, fresh market	2016	all	Arizona, California, Texas
Squash	2016	all	California, Florida, Georgia, Michigan, New Jersey, New York, North Carolina
Sweet corn, processing	2016	fungicide	California, Florida, Georgia, Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, Texas, Washington, Wisconsin
Sweet corn, processing	2016	herbicide, insecticide	California, Florida, Georgia, Michigan, Illinois, Indiana, Michigan, Minnesota, New Jersey, New York, Ohio, Oregon, Pennsylvania, Texas, Washington, Wisconsin
Tomatoes, field, processing	2016	fungicide	California, Florida, New Jersey, North Carolina, Ohio, Tennessee

*Fruit crop (bearing)*

Apples	2015	all	California, Michigan, New York, North Carolina, Oregon, Pennsylvania, Washington
Apricots	2015	all	California
Avocados	2015	all	California
Blackberries	2015	all	Oregon
Blueberries	2015	all	Georgia, Michigan, New Jersey, North Carolina, Oregon, Washington
Cherries, sweet and tart	2015	all	California, Michigan, New York, Oregon, Washington
Dates	2015	all	California
Figs	2015	all	California
Grapefruit	2015	all	California, Florida, Texas
Grapes, (includes raisin, table, juice and wine grapes)	2015	all	California, New York, Washington
Kiwifruit	2015	all	California
Lemons	2015	all	California
Nectarines	2015	all	California
Olives	2015	all	California
Oranges	2015	all	California, Florida
Peaches	2015	all	California, Georgia, Michigan, New Jersey, Pennsylvania, South Carolina, Texas
Pears	2015	all	California, Oregon, Washington
Plums	2015	all	California
Prunes	2015	all	California
Raspberries	2015	all	Oregon, Washington
Strawberries	2016	fungicide, herbicide	California, Florida, Oregon, Washington
Strawberries	2014	insecticide	California, Florida, Oregon, Washington
Tangelos	2015	all	Florida
Tangerines	2015	all	California, Florida

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