



**AgEcon** SEARCH  
RESEARCH IN AGRICULTURAL & APPLIED ECONOMICS

*The World's Largest Open Access Agricultural & Applied Economics Digital Library*

**This document is discoverable and free to researchers across the globe due to the work of AgEcon Search.**

**Help ensure our sustainability.**

Give to AgEcon Search

AgEcon Search

<http://ageconsearch.umn.edu>

[aesearch@umn.edu](mailto:aesearch@umn.edu)

*Papers downloaded from **AgEcon Search** may be used for non-commercial purposes and personal study only. No other use, including posting to another Internet site, is permitted without permission from the copyright owner (not AgEcon Search), or as allowed under the provisions of Fair Use, U.S. Copyright Act, Title 17 U.S.C.*

*No endorsement of AgEcon Search or its fundraising activities by the author(s) of the following work or their employer(s) is intended or implied.*

# NASS Data Visualizations

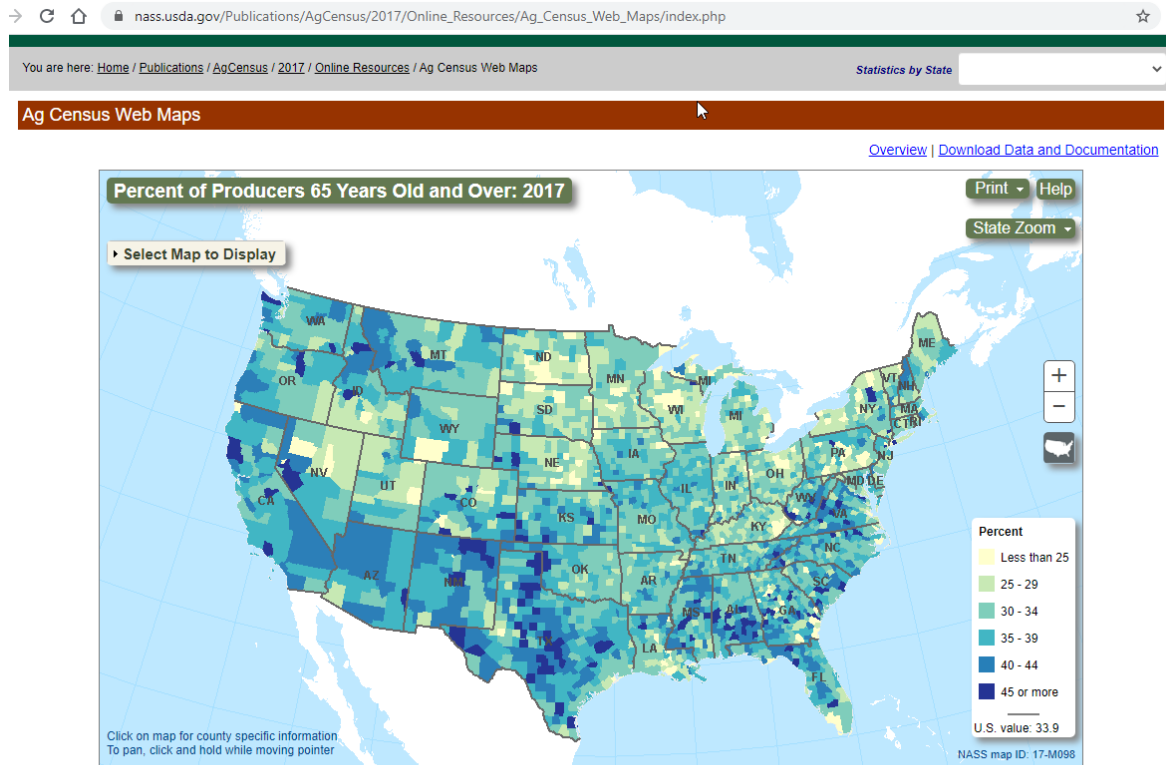
2021 Agricultural Outlook Forum

Virginia Harris

# Data Visualizations at NASS

- NASS issues a wide variety of products
  - Traditional paper reports
    - now distributed as online pdf files primarily
  - Quick Stats
    - Online database containing individual data items published
  - Highlights
    - Brief static summaries of key information from census and surveys
  - Data visualizations
    - Data users can interact with data and filter to area of interest

# Census of Agriculture Web Maps



## USDA/NASS, 2017 Census of Agriculture

For data collection, some county equivalent entities in Alaska, Hawaii, Maryland, Missouri, and Virginia are included in other county equivalent entities. Also, choropleth change maps show county values representing significance of change, not county values indicating increase/decrease in 2017 vs. 2012 summary data.

Last Modified: 08/27/2020

# Acres of Corn Harvested for Grain as Percent of Harvested Cropland Acreage: 2017

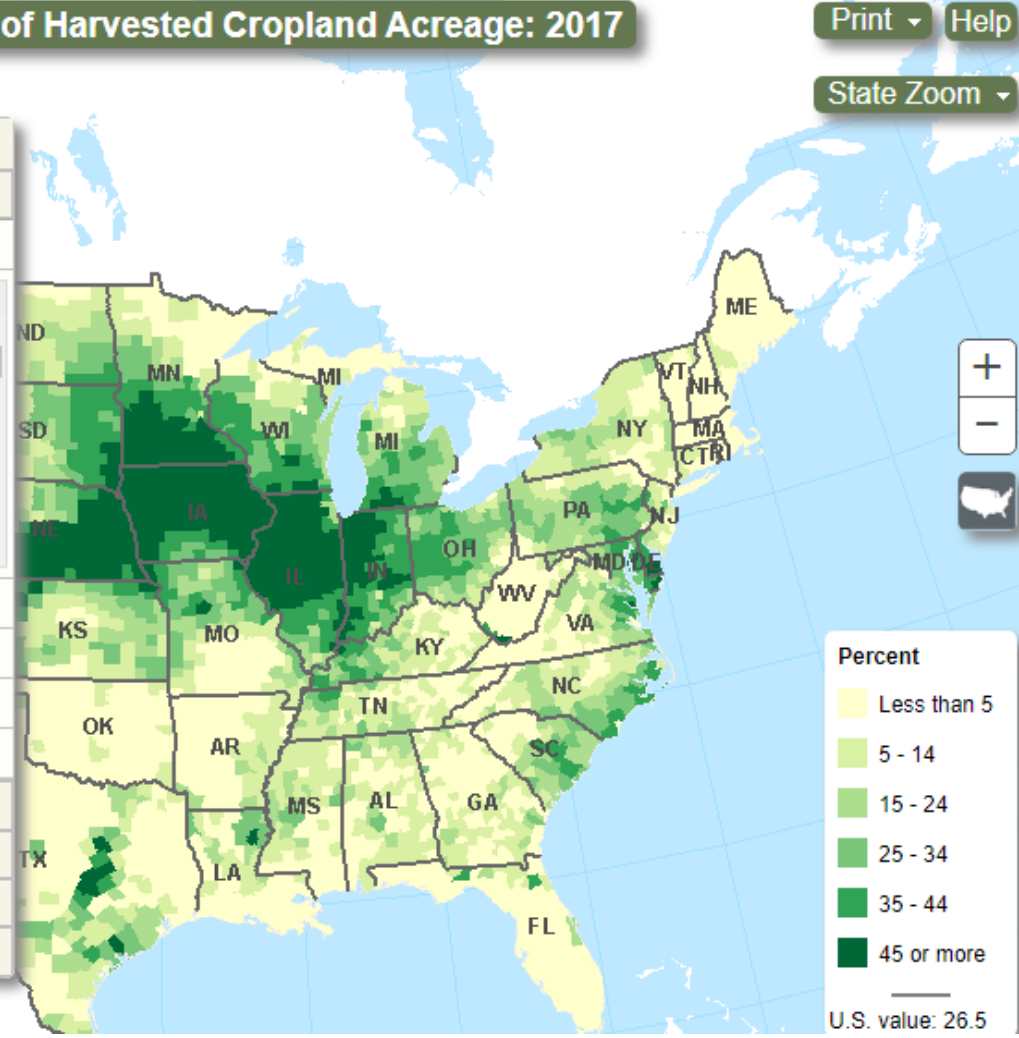
Print Help

State Zoom

Select Map to Display or

**Crops and Plants**

- Field Crops Harvested
  - Irrigated Corn for Grain, Harvested Acres, as Percent of Corn for Grain, Harvested Acres: 2017
  - Acres of Corn Harvested for Grain as Percent of Harvested Cropland Acreage: 2017**
  - Corn Harvested for Grain - Change in Acreage: 2012 to 2017
  - Acres of Corn for Silage or Greenchop Harvested as Percent of Harvested Cropland Acreage: 2017
  - Irrigated Sorghum for Grain, Harvested Acres, as Percent of Sorghum for Grain, Harvested Acres: 2017
- Hay and Forage Crops Harvested
- Seed Crops Harvested
- Vegetables and Melons Harvested
- Fruits, Tree Nuts, Berries, Nursery and Greenhouse Crops
- Economics**
- Farms**
- Livestock and Animals**
- Producers**



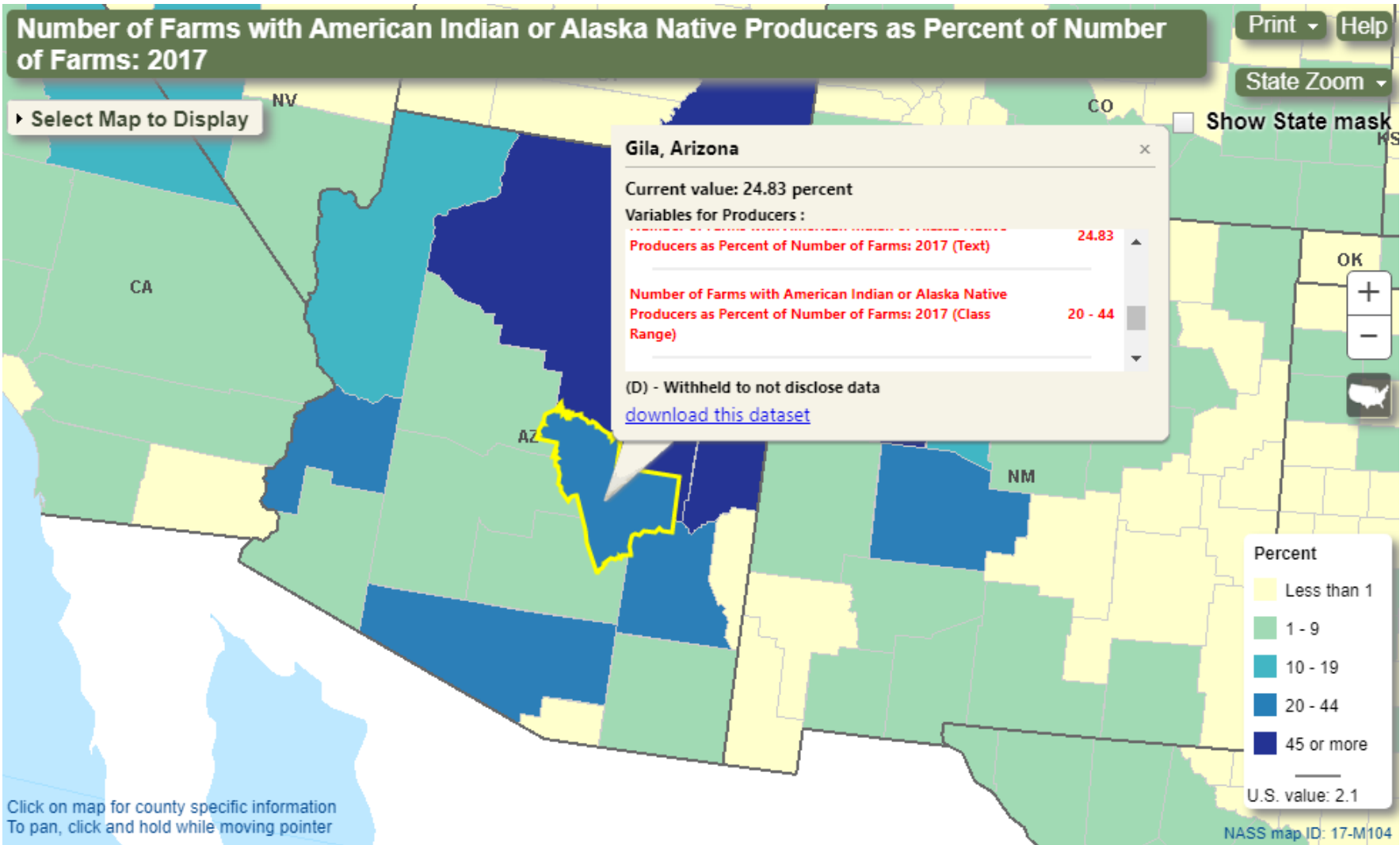
# Number of Farms with American Indian or Alaska Native Producers as Percent of Number of Farms: 2017

Print Help

State Zoom

Select Map to Display

Show State mask



**Gila, Arizona**

Current value: 24.83 percent

Variables for Producers :

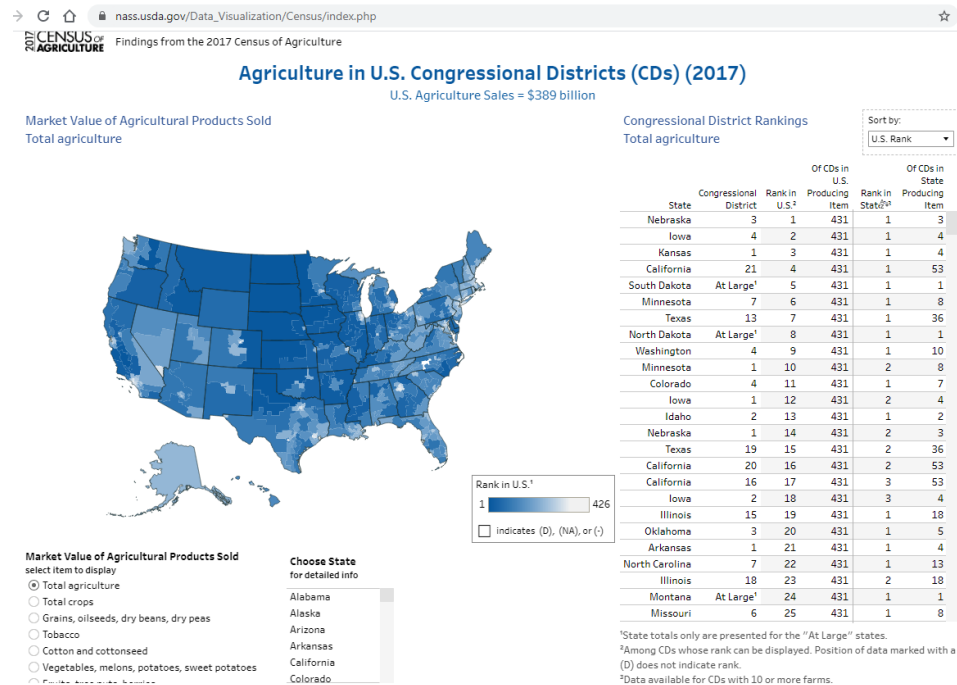
Producers as Percent of Number of Farms: 2017 (Text)	24.83
Number of Farms with American Indian or Alaska Native Producers as Percent of Number of Farms: 2017 (Class Range)	20 - 44

(D) - Withheld to not disclose data

[download this dataset](#)

Click on map for county specific information  
To pan, click and hold while moving pointer

# Agriculture in U.S. Congressional Districts



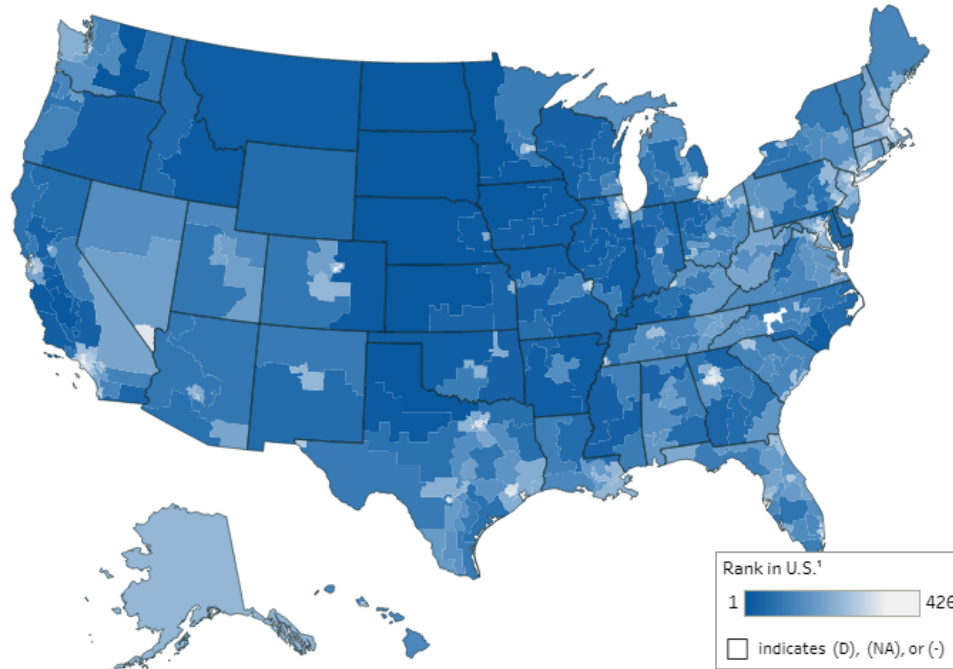
# Agriculture in U.S. Congressional Districts (CDs) (2017)

U.S. Agriculture Sales = \$389 billion

Market Value of Agricultural Products Sold  
Total agriculture

Congressional District Rankings  
Total agriculture

Sort by:  
U.S. Rank



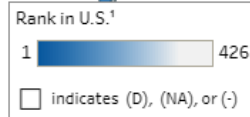
State	Congressional District	Rank in U.S. <sup>2</sup>	Of CDs in U.S. Producing Item	Rank in State <sup>2,3</sup>	Of CDs in State Producing Item
Nebraska	3	1	431	1	3
Iowa	4	2	431	1	4
Kansas	1	3	431	1	4
California	21	4	431	1	53
South Dakota	At Large <sup>1</sup>	5	431	1	1
Minnesota	7	6	431	1	8
Texas	13	7	431	1	36
North Dakota	At Large <sup>1</sup>	8	431	1	1
Washington	4	9	431	1	10
Minnesota	1	10	431	2	8
Colorado	4	11	431	1	7
Iowa	1	12	431	2	4
Idaho	2	13	431	1	2
Nebraska	1	14	431	2	3
Texas	19	15	431	2	36
California	20	16	431	2	53
California	16	17	431	3	53
Iowa	2	18	431	3	4
Illinois	15	19	431	1	18
Oklahoma	3	20	431	1	5
Arkansas	1	21	431	1	4
North Carolina	7	22	431	1	13
Illinois	18	23	431	2	18
Montana	At Large <sup>1</sup>	24	431	1	1
Missouri	6	25	431	1	8

Market Value of Agricultural Products Sold  
select item to display

- Total agriculture
- Total crops
- Grains, oilseeds, dry beans, dry peas
- Tobacco
- Cotton and cottonseed
- Vegetables, melons, potatoes, sweet potatoes
- Fruits, tree nuts, berries

Choose State  
for detailed info

- Alabama
- Alaska
- Arizona
- Arkansas
- California
- Colorado



<sup>1</sup>State totals only are presented for the "At Large" states.

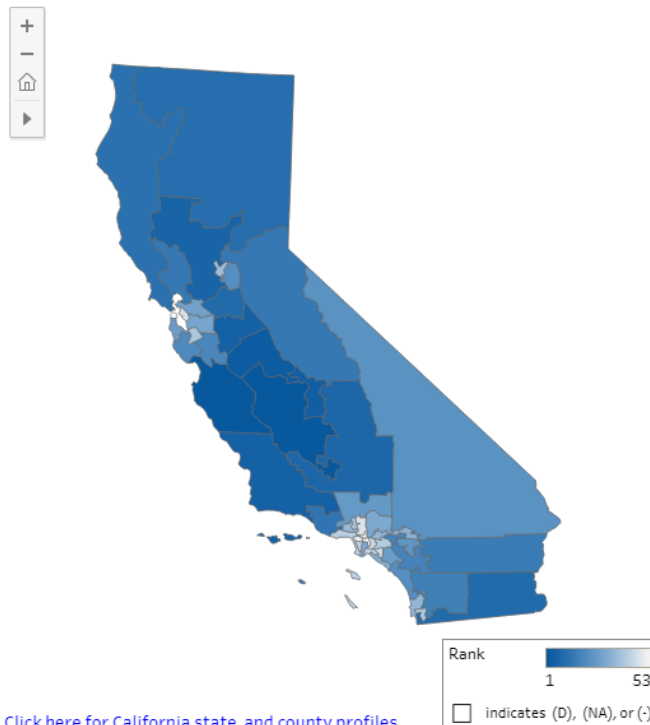
<sup>2</sup>Among CDs whose rank can be displayed. Position of data marked with a (D) does not indicate rank.

<sup>3</sup>Data available for CDs with 10 or more farms.



## Agriculture in U.S. Congressional Districts (CDs) (2017)

California Market Value of Agricultural Products Sold  
Total agriculture



[Click here for California state and county profiles](#)

Or hover over a congressional district on map and select "Show District Snapshot" from the popup menu to view more details about district.

Congressional District Rankings  
Total agriculture

Sort by:  
Rank

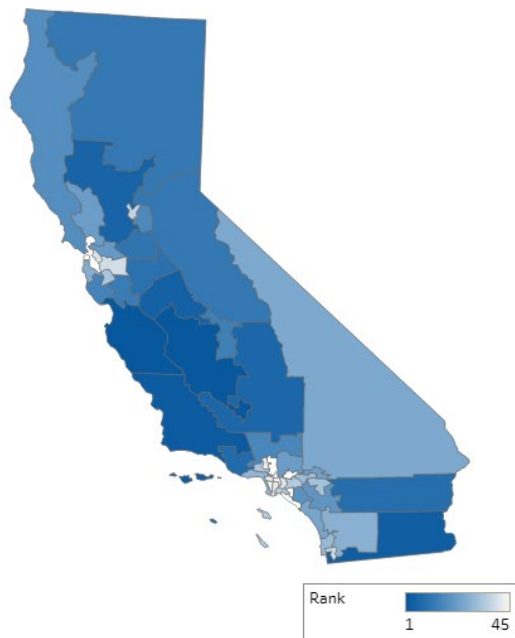
State	Congressional District	Rank in U.S. <sup>1</sup>	Of CDs in U.S. Producing Item	Rank in State <sup>2,3</sup>	Of CDs in State Producing Item
California	21	4	431	1	53
	20	16	431	2	53
	16	17	431	3	53
	22	27	431	4	53
	10	30	431	5	53
	24	32	431	6	53
	3	35	431	7	53
	23	36	431	8	53
	51	53	431	9	53
	9	56	431	10	53
	1	75	431	11	53
	2	91	431	12	53
	26	96	431	13	53
	5	117	431	14	53
	4	126	431	15	53
	36	142	431	16	53
	50	148	431	17	53
	42	219	431	18	53
	35	221	431	19	53
	19	225	431	20	53
	18	227	431	21	53
7	231	431	22	53	
49	236	431	23	53	
8	241	431	24	53	
41	283	431	25	53	

<sup>1</sup>State totals only are presented for the "At Large" states.

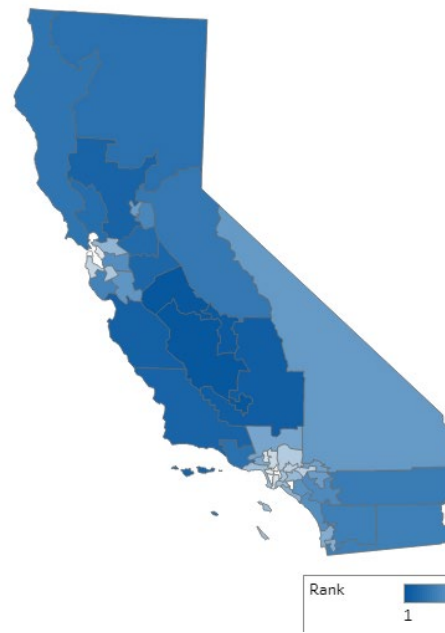
<sup>2</sup>Among CDs whose rank can be displayed. Position of data marked with a (D) does not indicate rank.

<sup>3</sup>Data available for CDs with 10 or more farms.

California Market Value of Agricultural Products Sold  
Vegetables, melons, potatoes, sweet potatoes



California Market Value of Agricultural Products Sold  
Fruits, tree nuts, berries



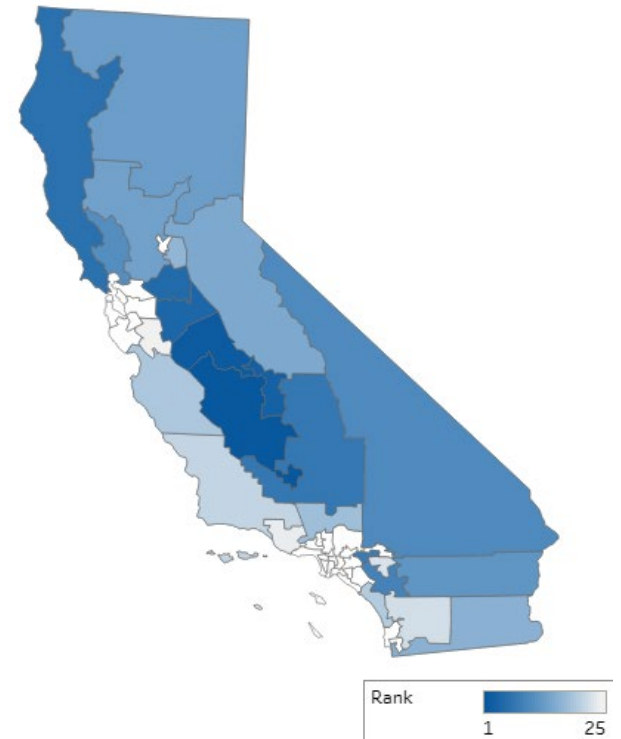
California Market Value of Agricultural Products Sold  
Nursery, greenhouse, floriculture, sod



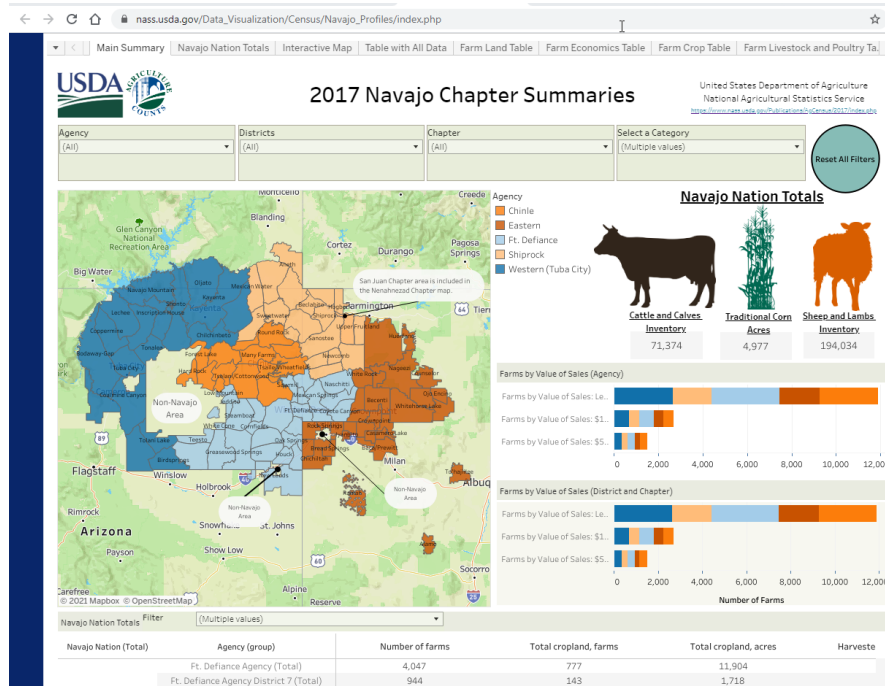
California Market Value of Agricultural Products Sold  
Fruits, tree nuts, berries



California Market Value of Agricultural Products Sold  
Milk from cows



# Agriculture on the Navajo Reservation

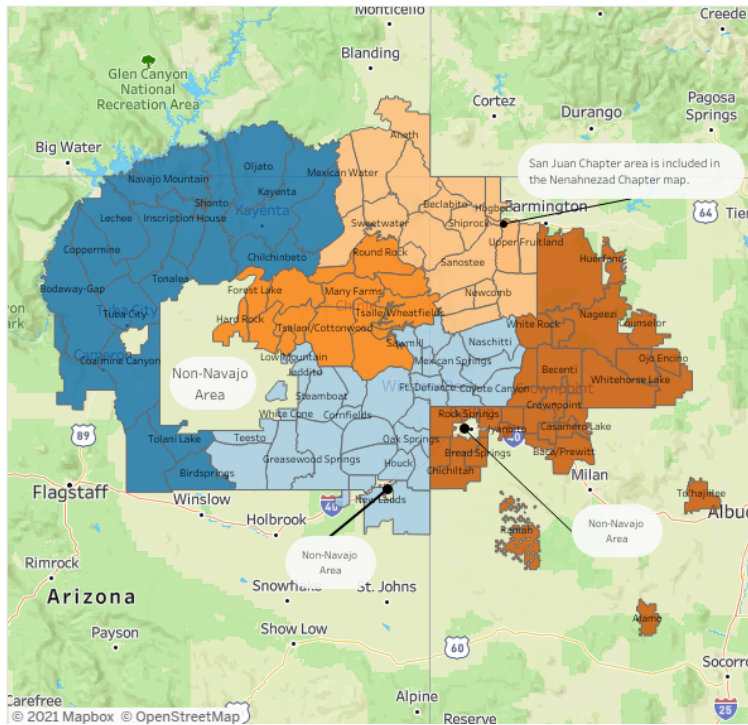




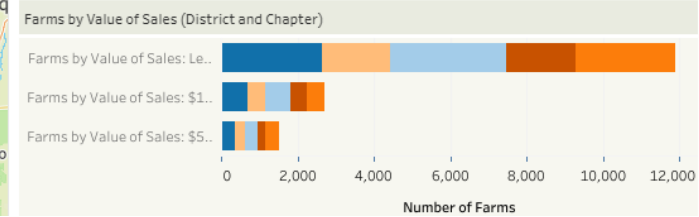
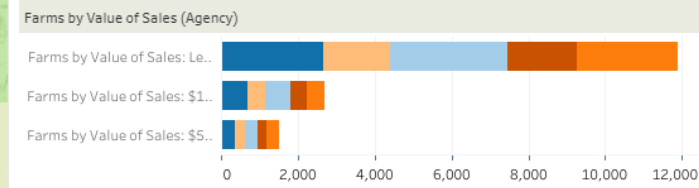
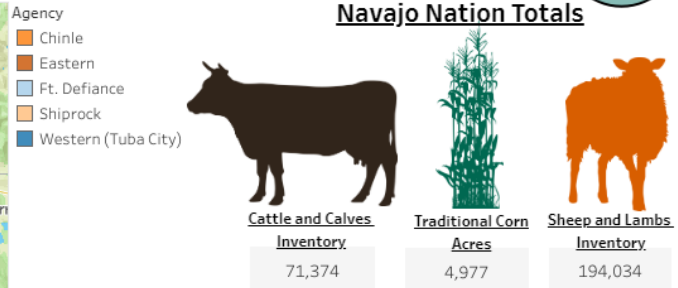
# 2017 Navajo Chapter Summaries

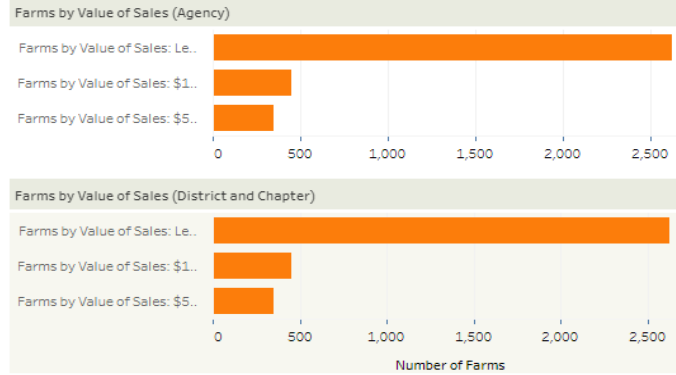
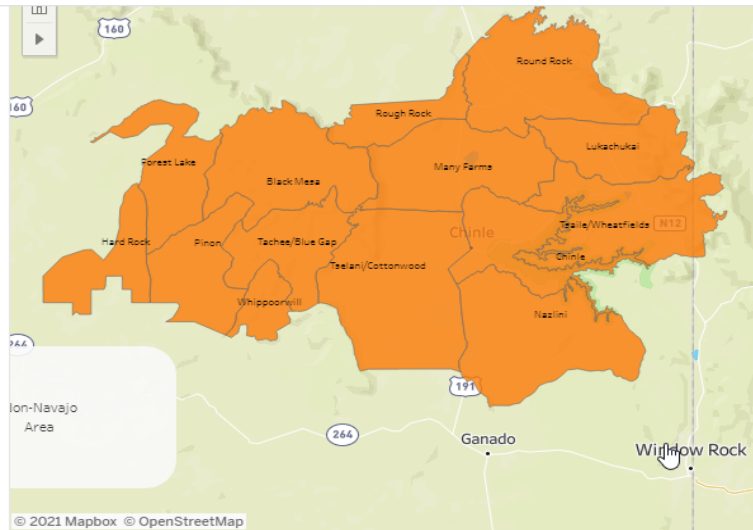
United States Department of Agriculture  
 National Agricultural Statistics Service  
<https://www.nass.usda.gov/Publications/p/census/2017/index.php>

Agency (All)	Districts (All)	Chapter (All)	Select a Category (Multiple values)	



## Navajo Nation Totals



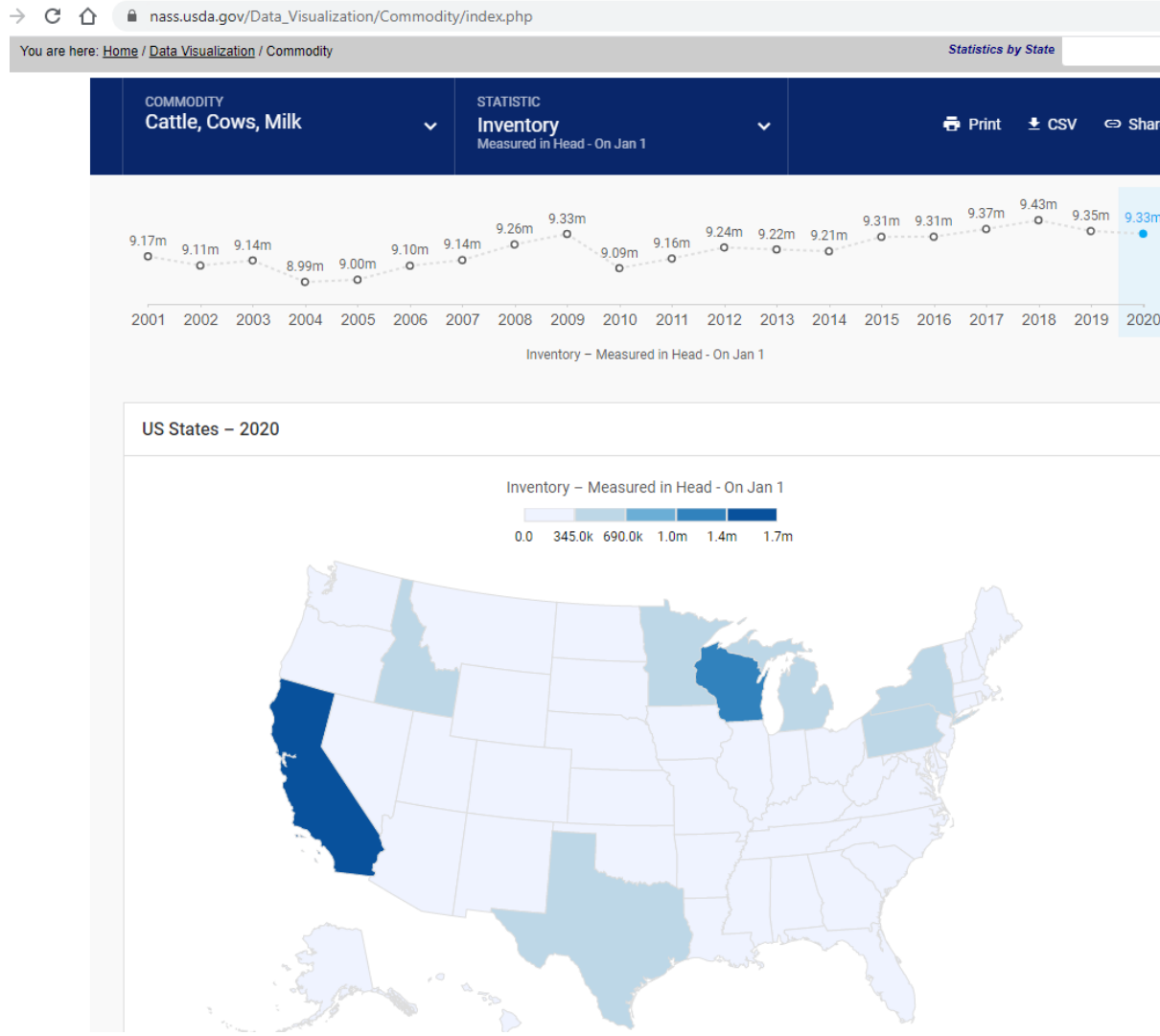


Navajo Nation Totals Filter (Multiple values)

Navajo Nation (Total)	Agency (group)	Number of farms	Total cropland, farms	Total cropland, acres	Harveste
<b>Total</b>	Navajo Nation (Total)	16,129	5,258	212,465	
	Chinle Agency (Total)	3,428	1,930	59,997	
<b>Chinle Agency</b>	Chinle Agency District 4 (Total)	1,451	886	49,014	
	Chinle Agency District 10 (Total)	1,345	747	7,824	
	Chinle Agency District 11 (Total)	632	297	3,159	
	Eastern Agency (Total)	2,445	368	29,468	

Navajo Nation (group)	Agency (group)	Navajo Nation Districts (group)	Navajo Nation Chapter	Number of farms	Total cropland, farms	Total cropland, acres	Harvested cropland, farms	Harvested cropland, acres	Market value of agricultural products sold, \$1,000	Market value of agricultural products sold, Average per farm
Navajo Nation (group)	Chinle Agency (group)	Chinle Agency District 4	Black Mesa	79	43	2,125	27	76	296	3,744
			Forest Lake	128	65	1,471	45	87	190	1,485

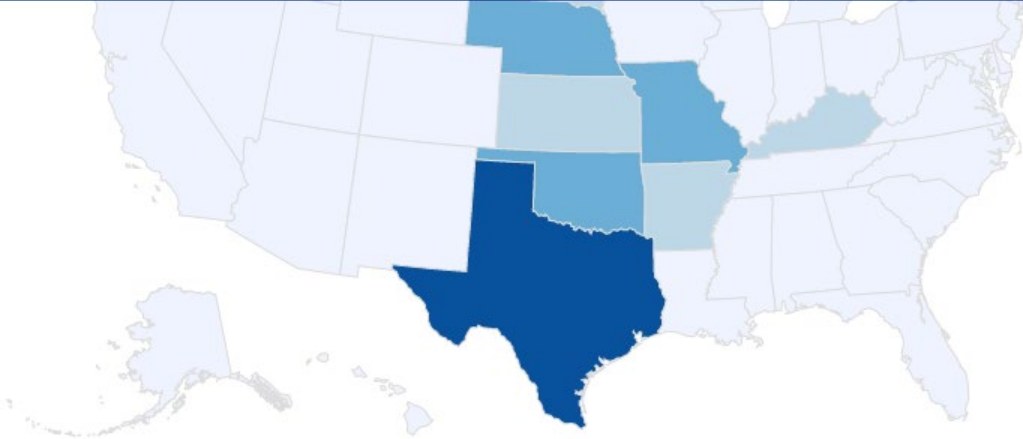
# Commodity Data Visualizations



COMMODITY  
Cattle, Cows, Beef

STATISTIC  
Inventory  
Measured in Head - On Jan 1

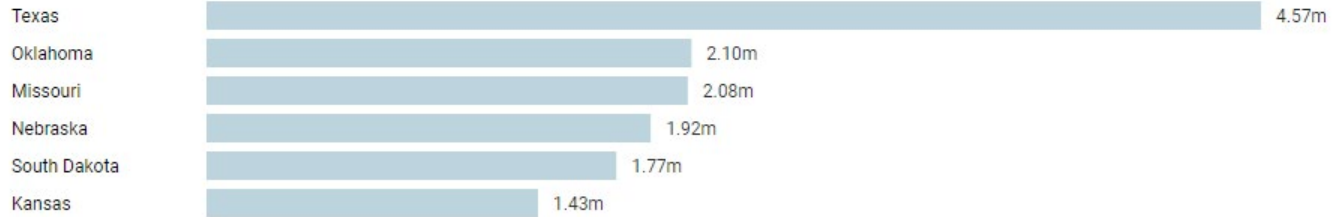
Print CSV Share



US State Rankings – 2020  
Inventory – Measured in Head - On Jan 1

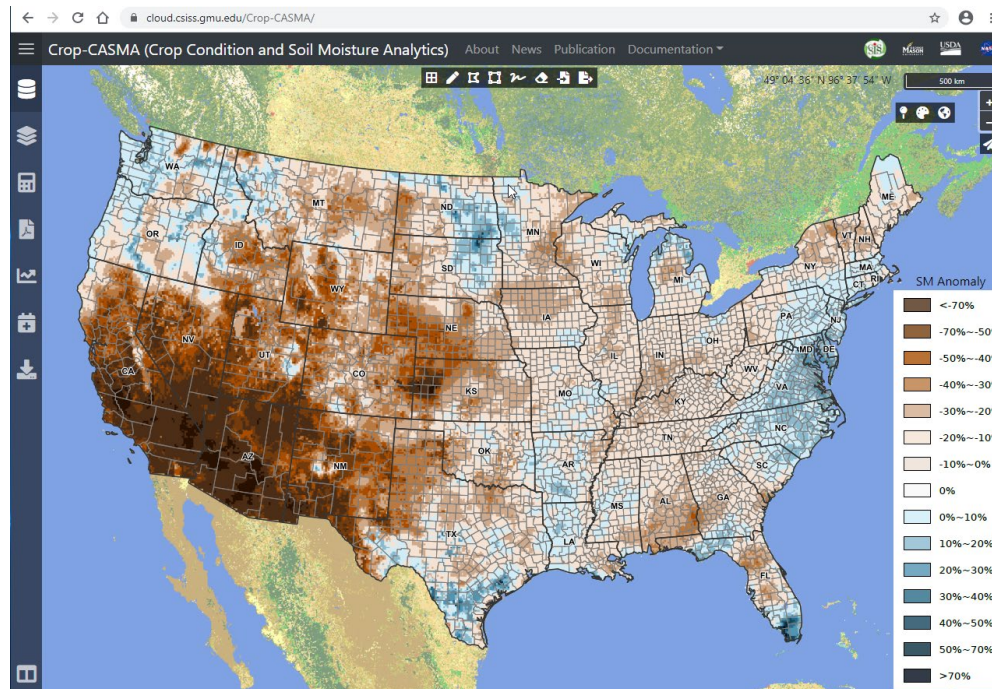
BY RANK

ALPHABETICAL





# Crop-CASMA (Crop Condition and Soil Moisture Analysis)



# Data Visualizations at NASS – Links

- Census of Agriculture Web Maps
  - [https://www.nass.usda.gov/Publications/AgCensus/2017/Online\\_Resources/Ag\\_Census\\_Web\\_Maps/index.php](https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/Ag_Census_Web_Maps/index.php)
- Agriculture in U.S. Congressional Districts
  - [https://www.nass.usda.gov/Data\\_Visualization/Census/index.php](https://www.nass.usda.gov/Data_Visualization/Census/index.php)
- Navajo Chapter Summaries
  - [https://www.nass.usda.gov/Data\\_Visualization/Census/Navajo\\_Profiles/index.php](https://www.nass.usda.gov/Data_Visualization/Census/Navajo_Profiles/index.php)
- Commodity Data Visualizations
  - [https://www.nass.usda.gov/Data\\_Visualization/Commodity/index.php](https://www.nass.usda.gov/Data_Visualization/Commodity/index.php)
- Crop Condition and Soil Moisture Analytics
  - <https://cloud.csiss.gmu.edu/Crop-CASMA/>



