

NASS Data Visualizations

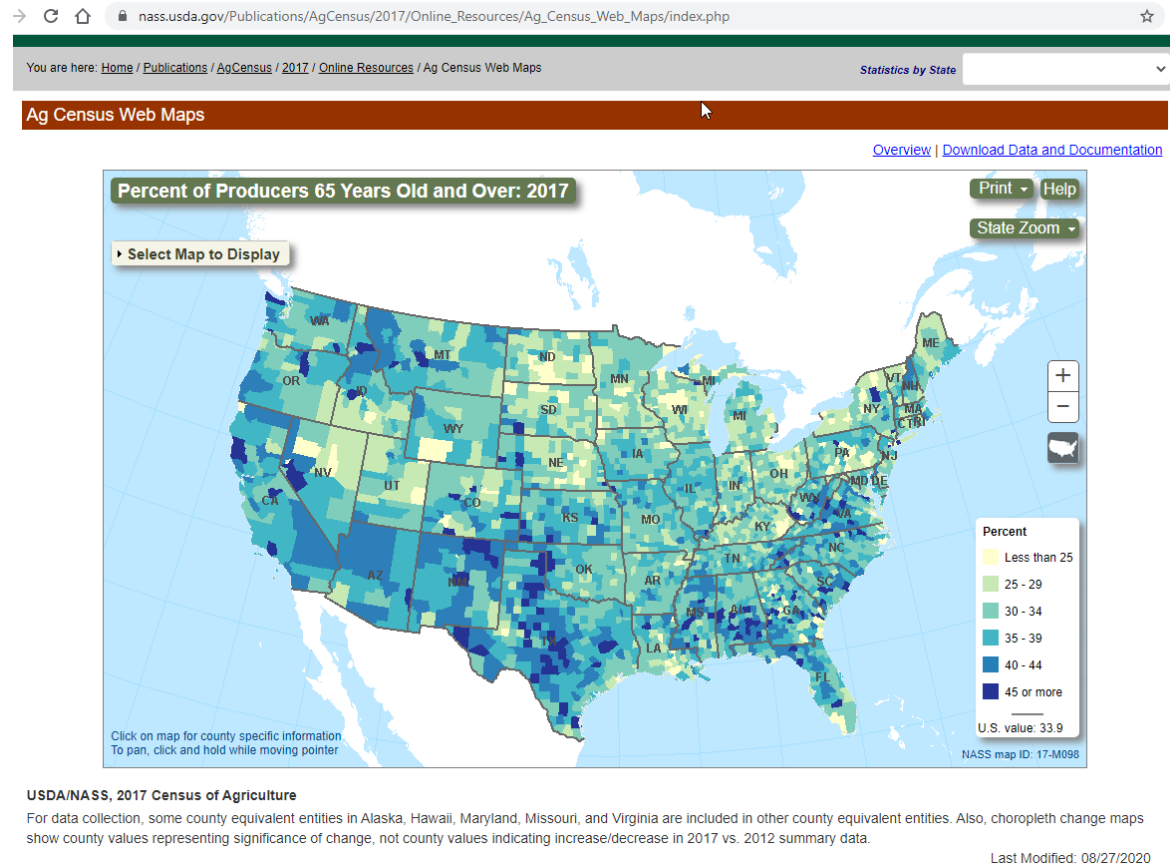
2021 Agricultural Outlook Forum

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



United States Department of Agriculture
National Agricultural Statistics Service



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

Name	Desc.
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

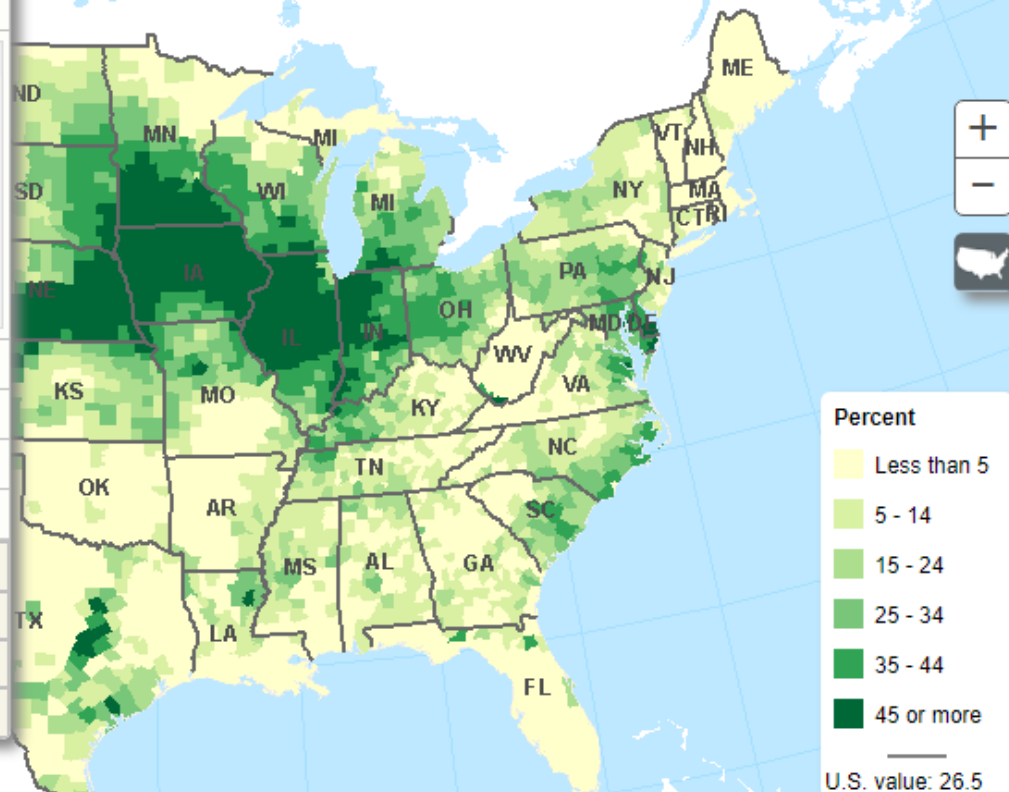
► Fruits, Tree Nuts, Berries, Nursery and Greenhouse Crops

► Economics

► Farms

► Livestock and Animals

► Producers



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

► Select Map to Display

Print ▾ Help

State Zoom ▾

☐ 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](#)

Percent

Less than 1

1 - 9

10 - 19

20 - 44

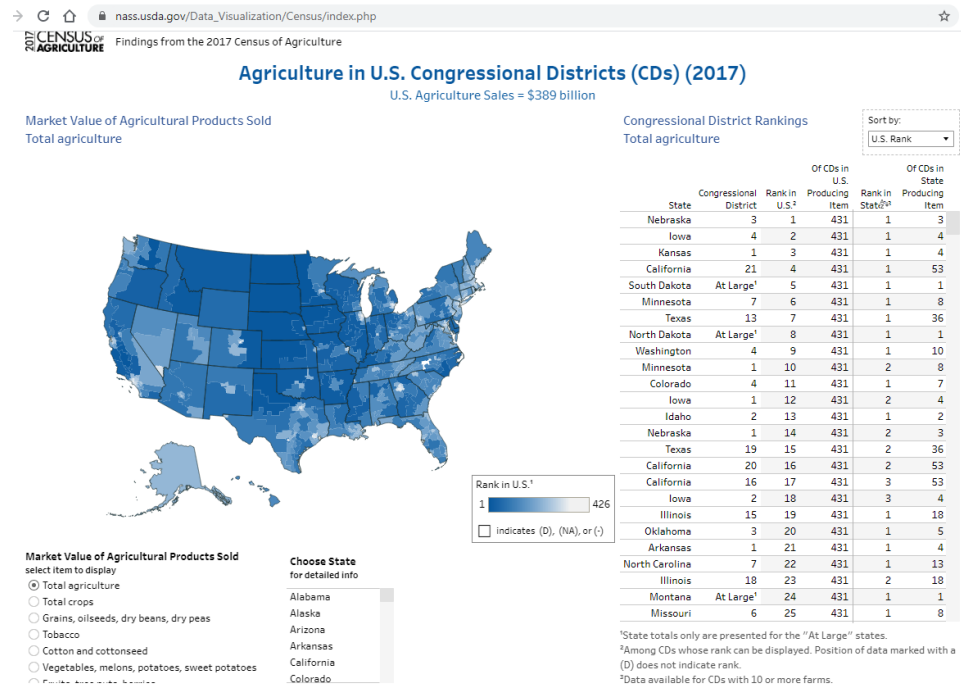
45 or more

U.S. value: 2.1

NASS map ID: 17-M104

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

Agriculture in U.S. Congressional Districts



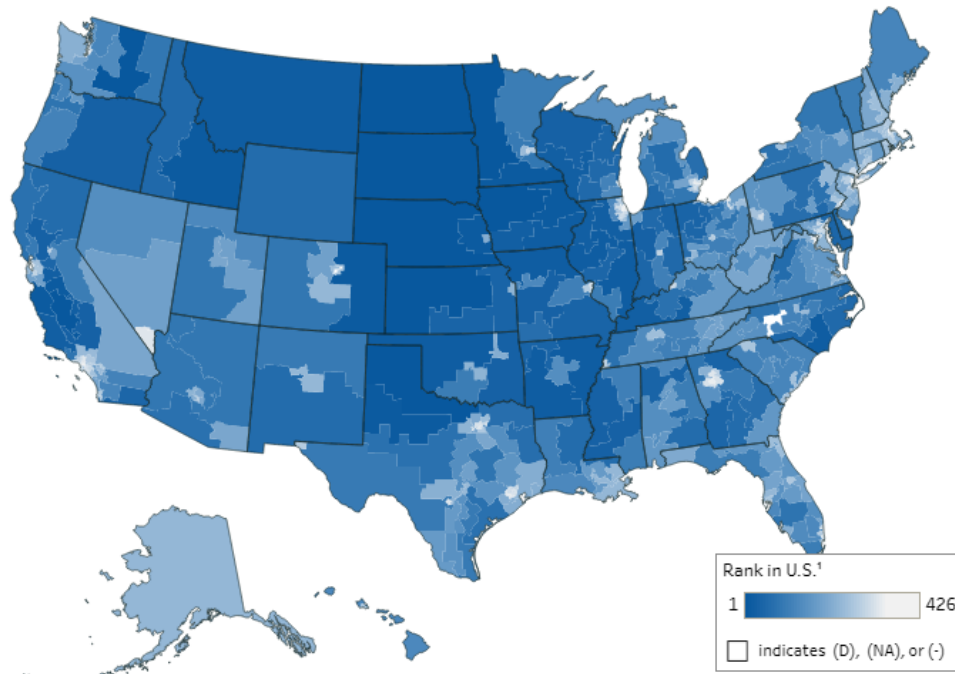
United States Department of Agriculture
National Agricultural Statistics Service



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

U.S. Agriculture Sales = \$389 billion

Market Value of Agricultural Products Sold
Total agriculture



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

Congressional District Rankings
Total agriculture

Sort by:
U.S. Rank

State	Congressional District	Rank in U.S. ²	Of CDs in U.S. Producing Item	Rank in State ^{2,3}	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 ¹	5	431	1	1
Minnesota	7	6	431	1	8
Texas	13	7	431	1	36
North Dakota	At Large ¹	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 ¹	24	431	1	1
Missouri	6	25	431	1	8

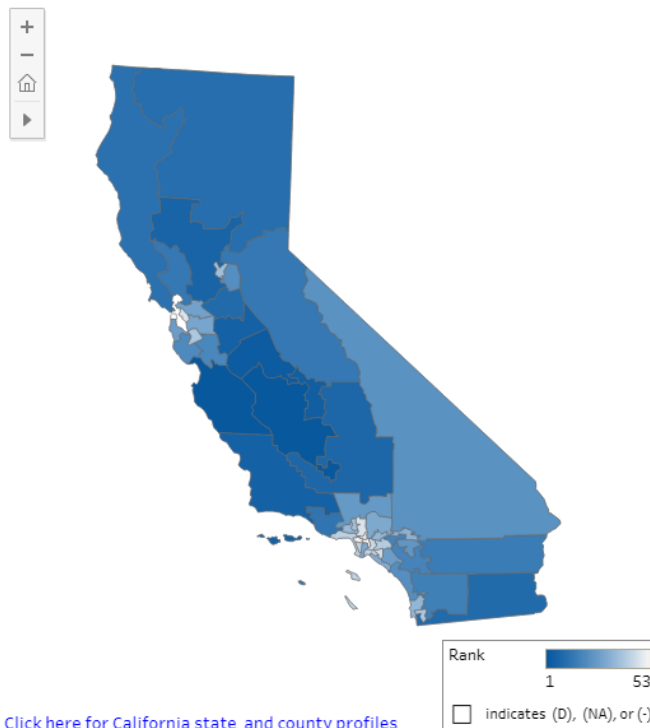
¹State totals only are presented for the "At Large" states.

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

³Data 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. ¹	Producing Item Rank in State ^{2,3}	Of CDs in U.S.	Of CDs in State
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	263	431	25	53

¹State totals only are presented for the "At Large" states.

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

³Data available for CDs with 10 or more farms.



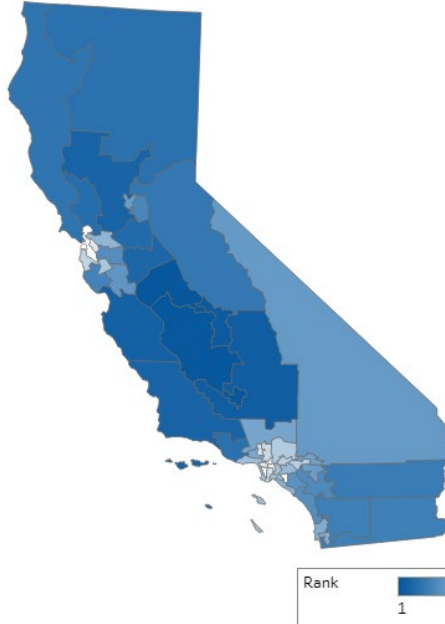
United States Department of Agriculture
National Agricultural Statistics Service



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



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



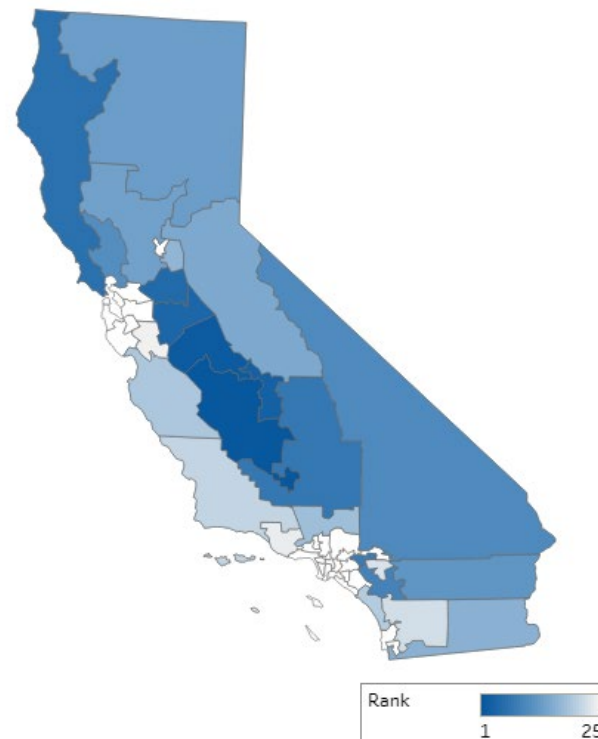
California Market Value of Agricultural Products Sold
Nursery, greenhouse, floriculture, sod



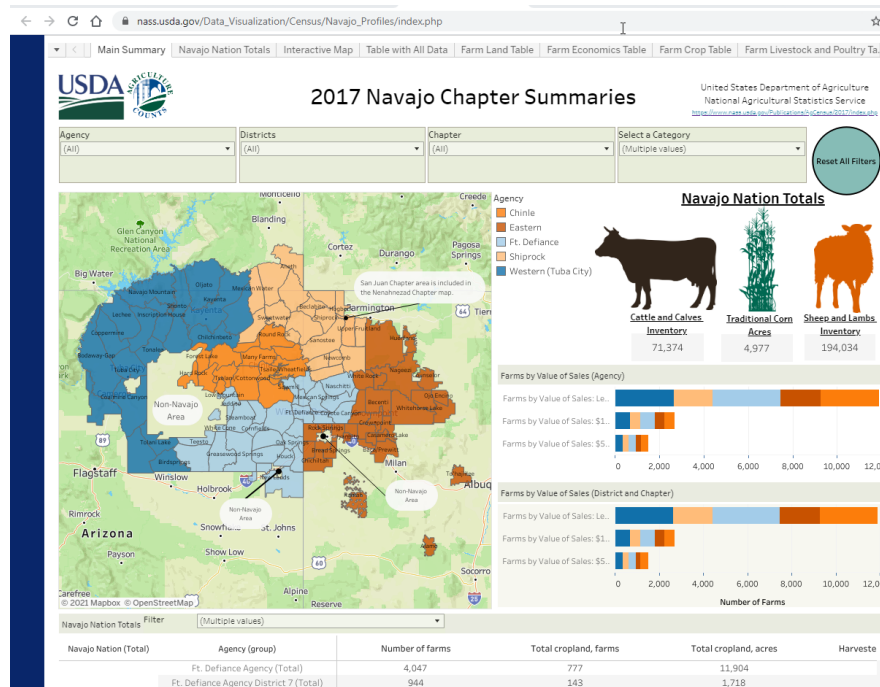
California Market Value of Agricultural Products Sold
Fruits, tree nuts, berries



California Market Value of Agricultural Products Sold
Milk from cows



Agriculture on the Navajo Reservation

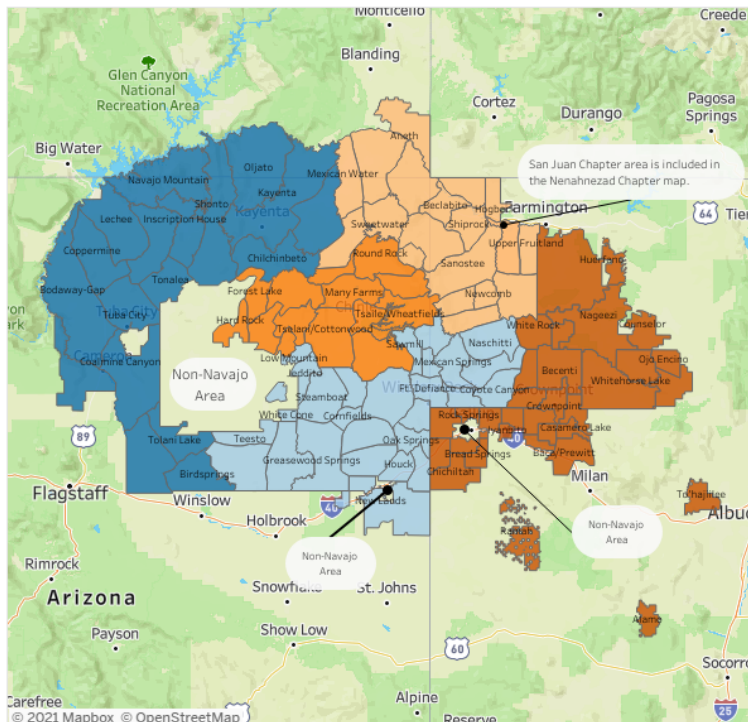




2017 Navajo Chapter Summaries

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

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



Navajo Nation Totals



Cattle and Calves
Inventory

71,374



Traditional Corn
Acres

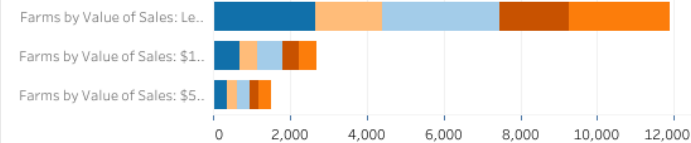
4,977



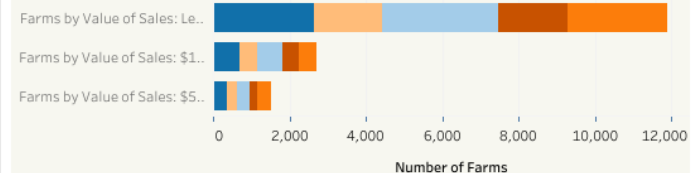
Sheep and Lambs
Inventory

194,034

Farms by Value of Sales (Agency)

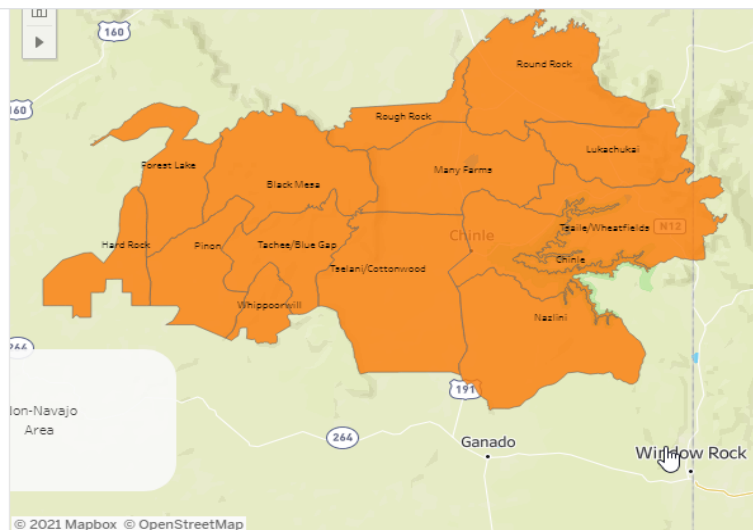


Farms by Value of Sales (District and Chapter)



United States Department of Agriculture
 National Agricultural Statistics Service





© 2021 Mapbox © OpenStreetMap

Navajo Nation Totals Filter (Multiple values)

Navajo Nation (Total)	Agency (group)	Number of farms	Total cropland, farms	Total cropland, acres	Harvested
Total	Navajo Nation (Total)	16,129	5,258	212,465	
	Chinle Agency (Total)	3,428	1,930	59,997	
Chinle Agency	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



Cattle and Calves
Inventory

71,374



Traditional Corn
Acres

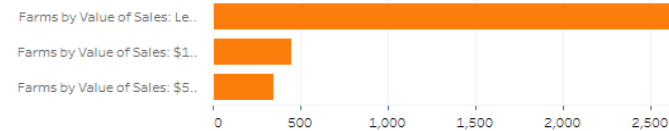
4,977



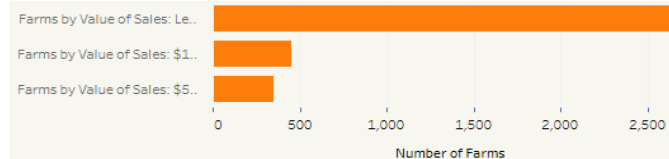
Sheep and Lambs
Inventory

194,034

Farms by Value of Sales (Agency)



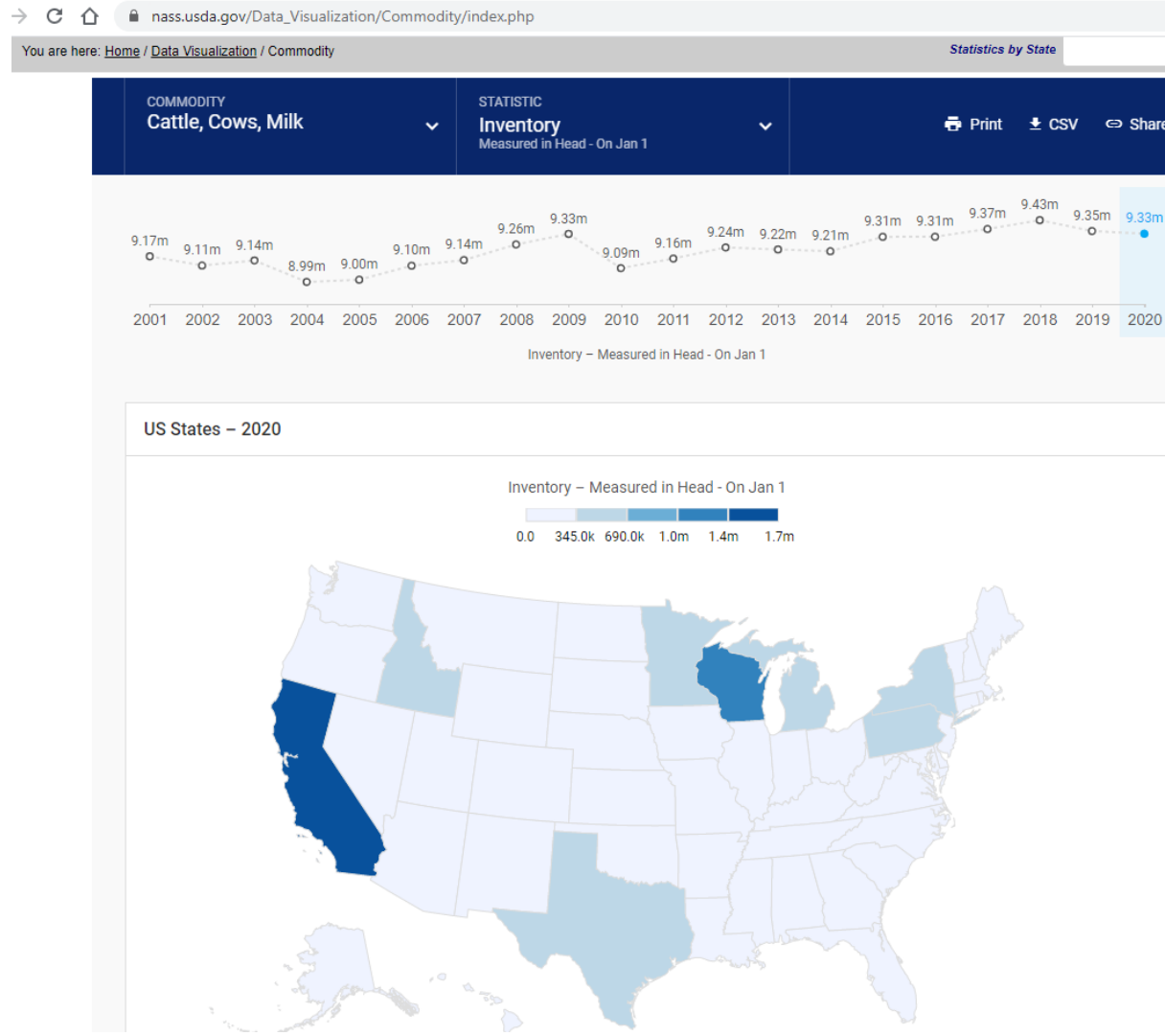
Farms by Value of Sales (District and Chapter)



United States Department of Agriculture
National Agricultural Statistics Service



Commodity Data Visualizations



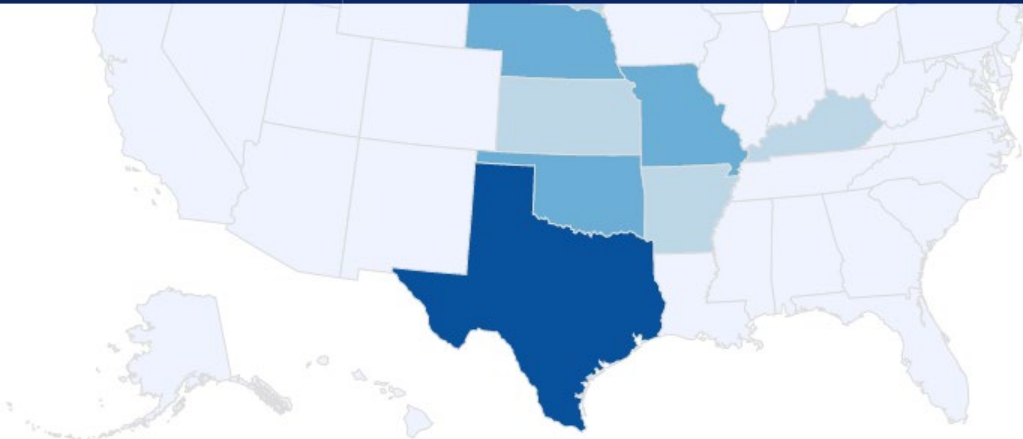
United States Department of Agriculture
National Agricultural Statistics Service



COMMODITY
Cattle, Cows, Beef

STATISTIC
Inventory
Measured in Head - On Jan 1

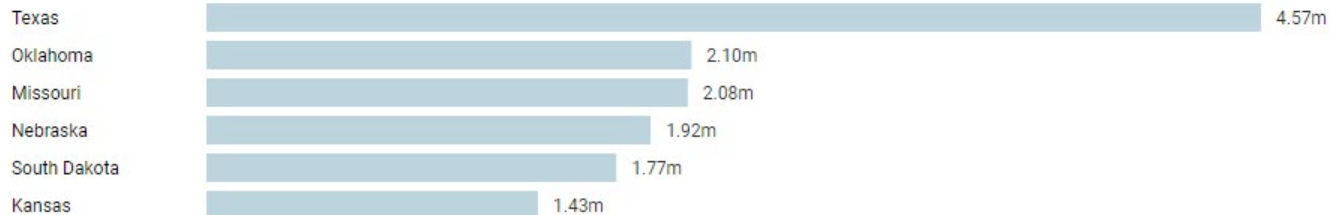
Print CSV Share



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

BY RANK

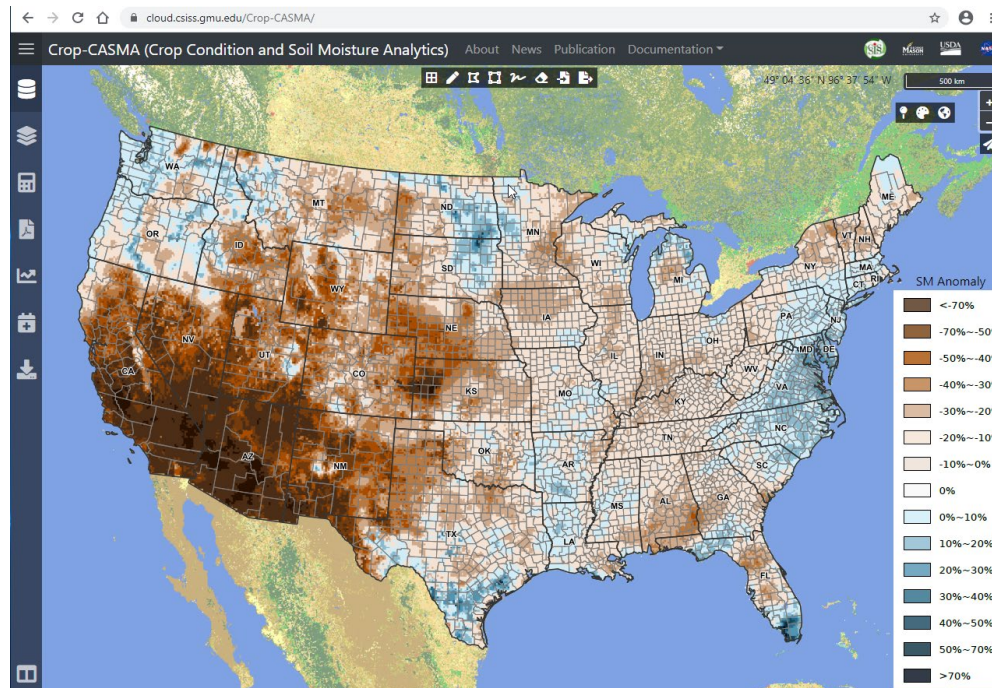
ALPHABETICAL



United States Department of Agriculture
National Agricultural Statistics Service



Crop-CASMA (Crop Condition and Soil Moisture Analysis)



United States Department of Agriculture
National Agricultural Statistics Service



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
- Agriculture in U.S. Congressional Districts
 - 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
- Commodity Data Visualizations
 - https://www.nass.usda.gov/Data_Visualization/Commodity/index.php
- Crop Condition and Soil Moisture Analytics
 - <https://cloud.csiss.gmu.edu/Crop-CASMA/>

