



National Hemp Report

Executive Summary

Lance Honig, Chief
Crops Branch

February 17, 2022

The inaugural **Hemp Acreage and Production Survey** was a joint effort by NASS and AMS, in collaboration with numerous other USDA agencies.

Hemp Survey Collected Information On:

- Total Planted & Harvested Area
- Yield
- Production
- Value

Establishes necessary benchmark and provides critically needed data for the hemp industry.

USDA Hemp Partners

- National Agricultural Statistics Service (**NASS**)
- Agricultural Marketing Service (**AMS**)
- Farm Service Agency (**FSA**)
- Risk Management Agency (**RMA**)
- Economic Research Service (**ERS**)
- Office of Chief Economist (**OCE**)



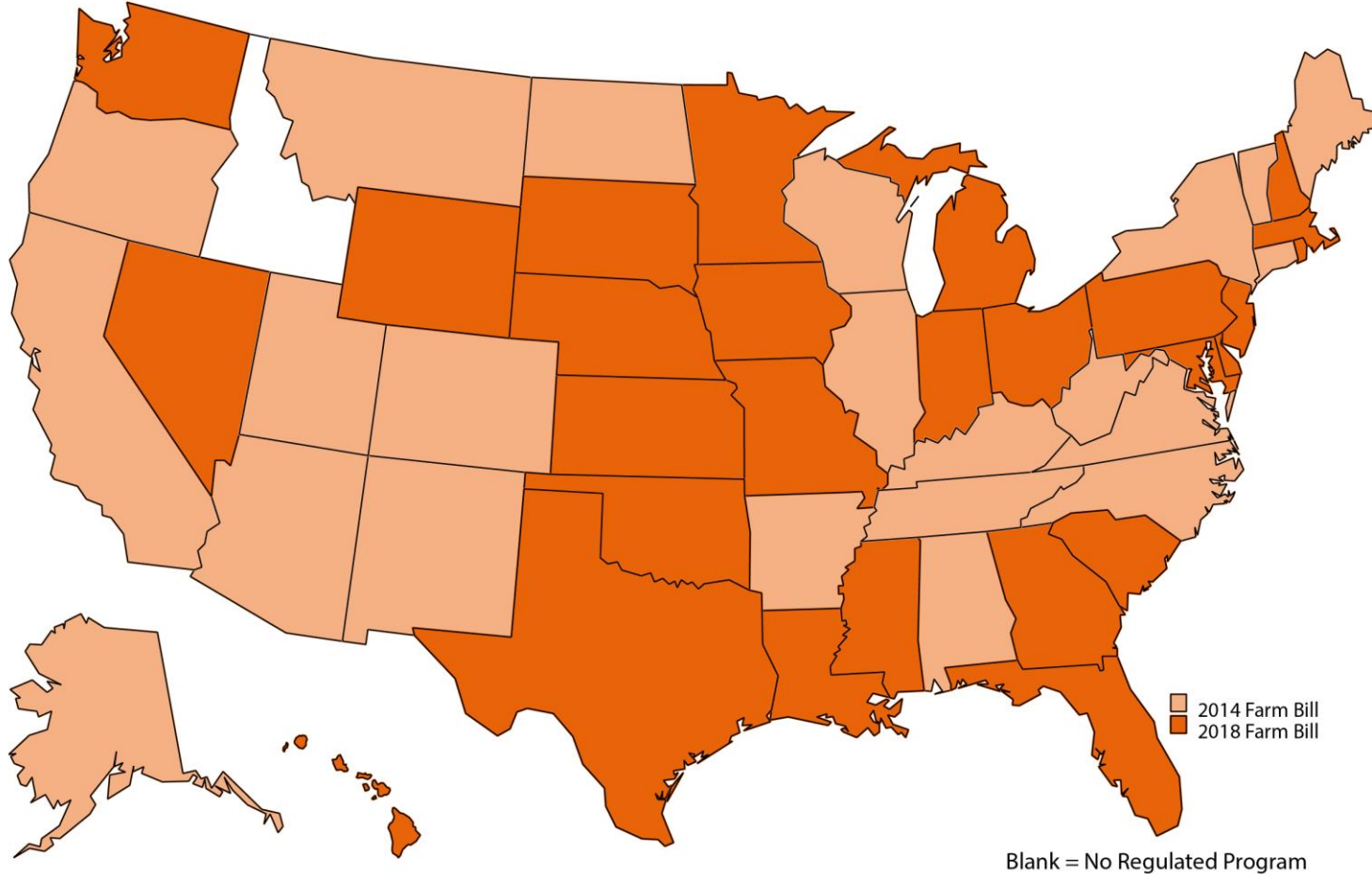
Background



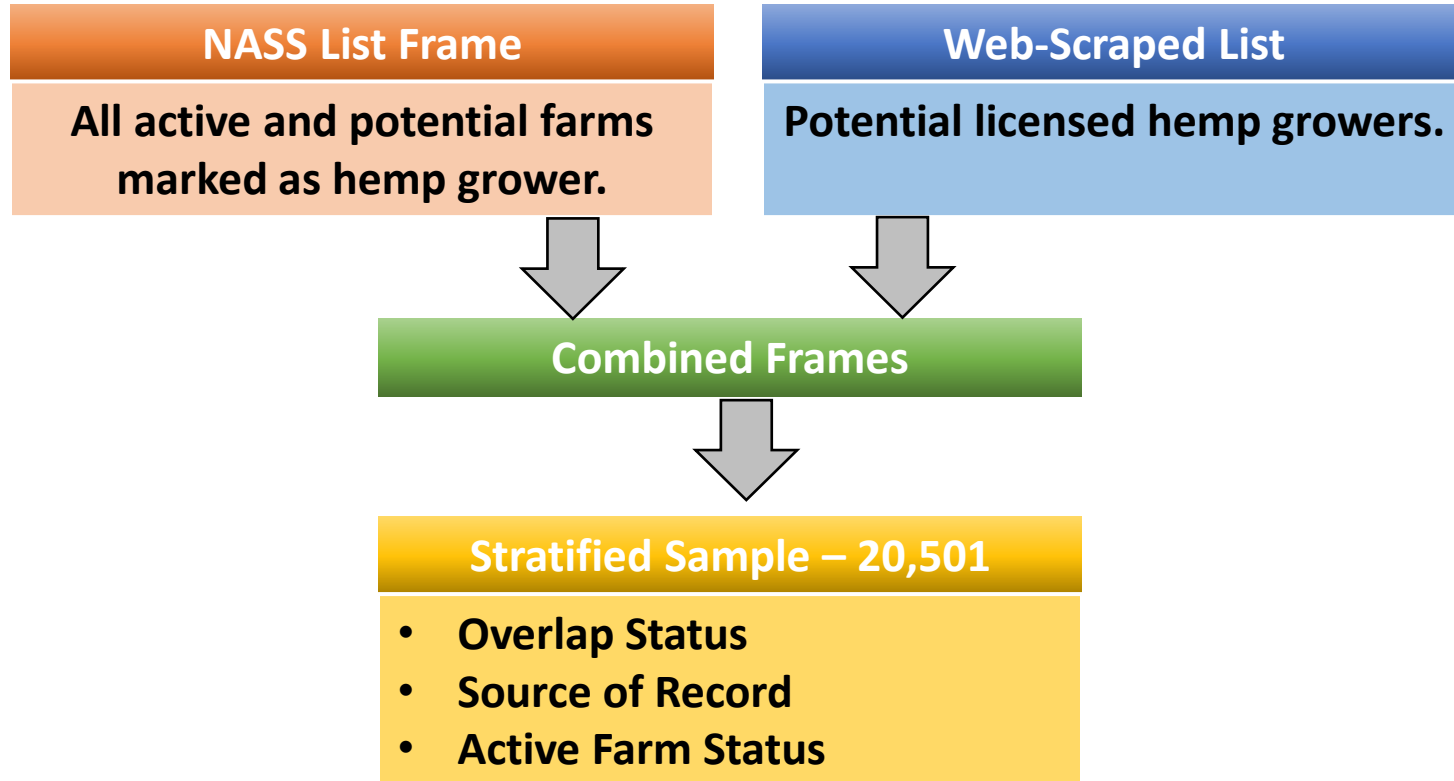
As defined in the Agricultural Improvement Act of 2018 (2018 Farm Bill), the term “hemp” means the plant species *Cannabis sativa* L. and any part of the plant such as seeds, all derivatives, and extracts, whether growing or not, with a delta-9 tetrahydrocannabinol (THC) concentration of not more than 0.3% on a dry weight basis.

The Domestic Hemp Production Program, established in the 2018 Farm Bill and administered by AMS, allows for the cultivation of hemp under certain conditions.

States Operating Under Farm Bill Regulations In 2021

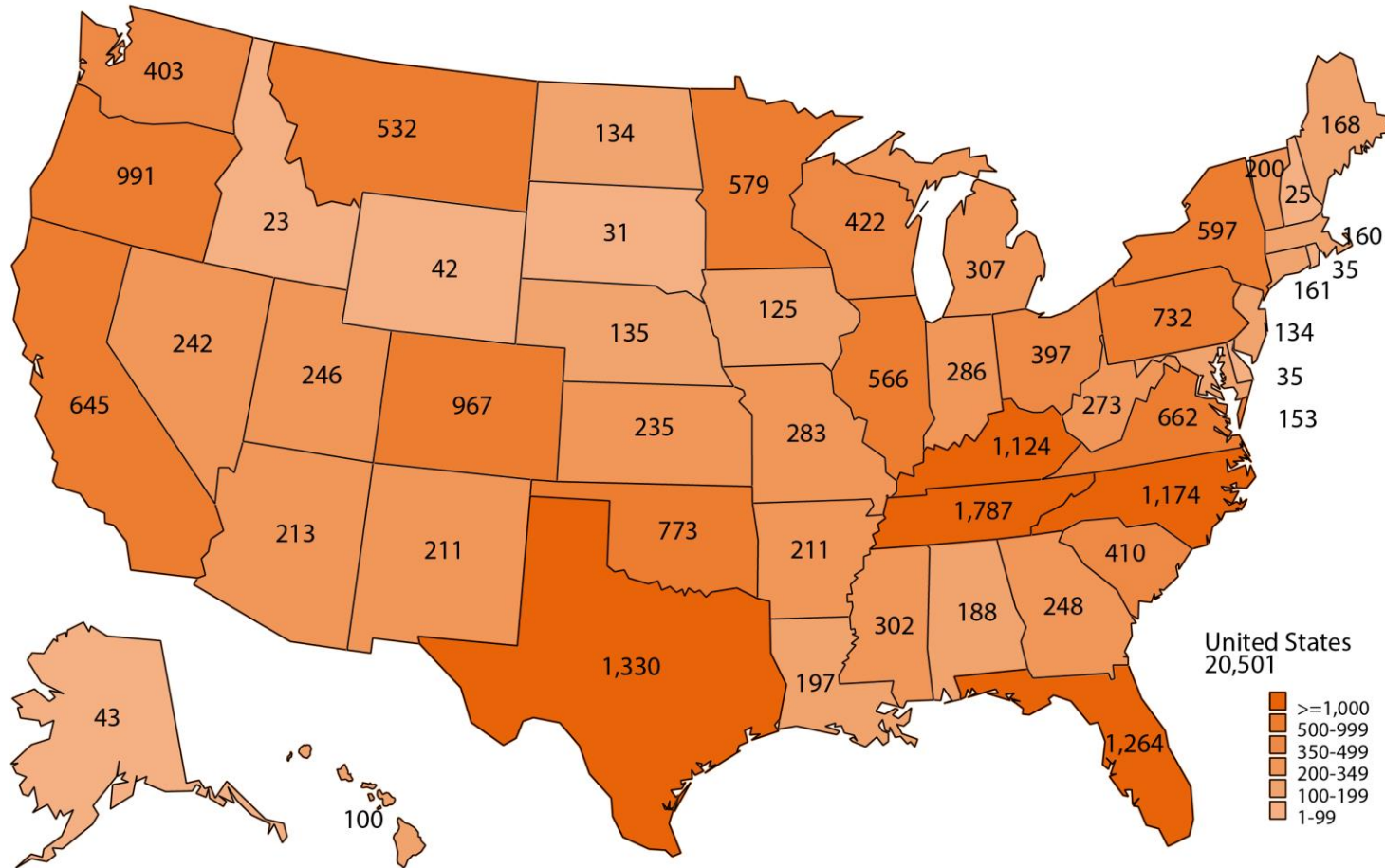


Sampling



Hemp Acreage and Production Survey

Sample Sizes





Data Collection



October	Questionnaire & Web Instructions Mailed
November	Postcard Reminder Sent
November & December	Telephone Follow-Up Contacts for Those Who Didn't Return via Mail or Complete on Web



Data Sources



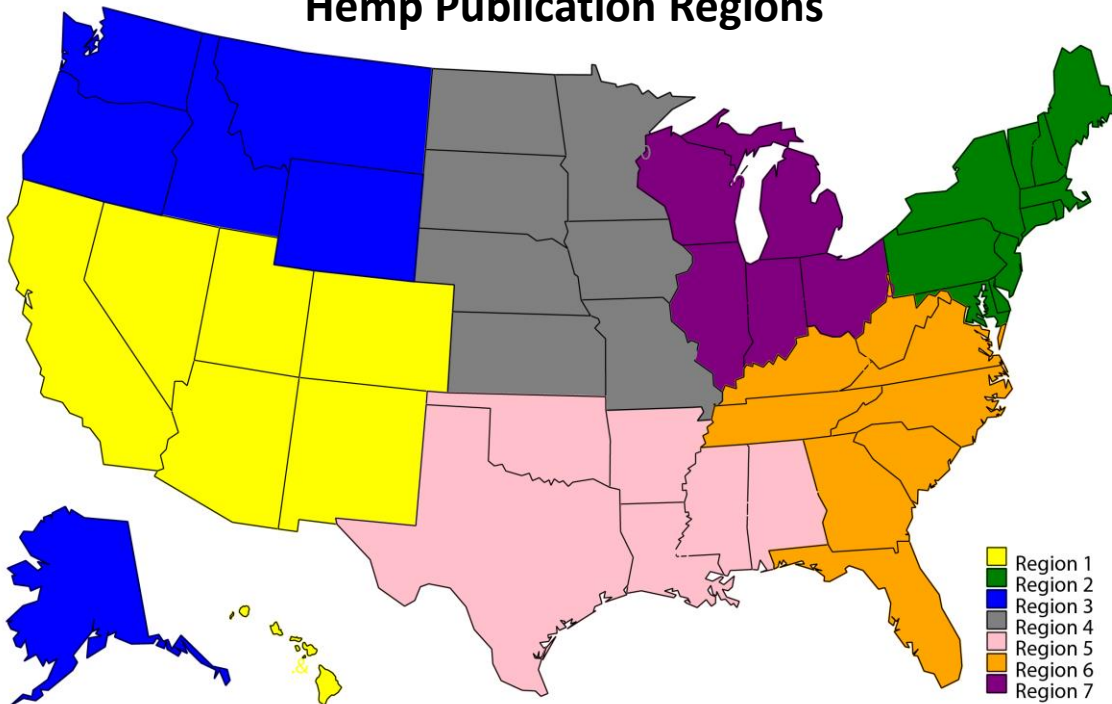
Operator Reported Survey	Hemp Acreage and Production Survey	Sample Size = 20,501	October 2021 - December 2021
FSA	Hemp producers report indicated usage acreage data to FSA. https://www.fsa.usda.gov/news-room/efoia/electronic-reading-room/frequently-requested-information/crop-acreage-data/index		
RMA	Insureds who participate in the Hemp Actual Production History (APH) pilot are required to provide acceptable acreage reports and production reports to establish their insurable acreage and production guarantees, respectively.		
AMS	Tribal Governments and Departments of Agriculture in States operating under the 2018 Farm Bill regulations provide hemp acreage data by usage to AMS.		
State Sources	State Departments of Agriculture routinely collect and disseminate hemp information and data. What is collected varies by state.		

Publication Levels

Levels of Publication

U.S., Region, State

Hemp Publication Regions

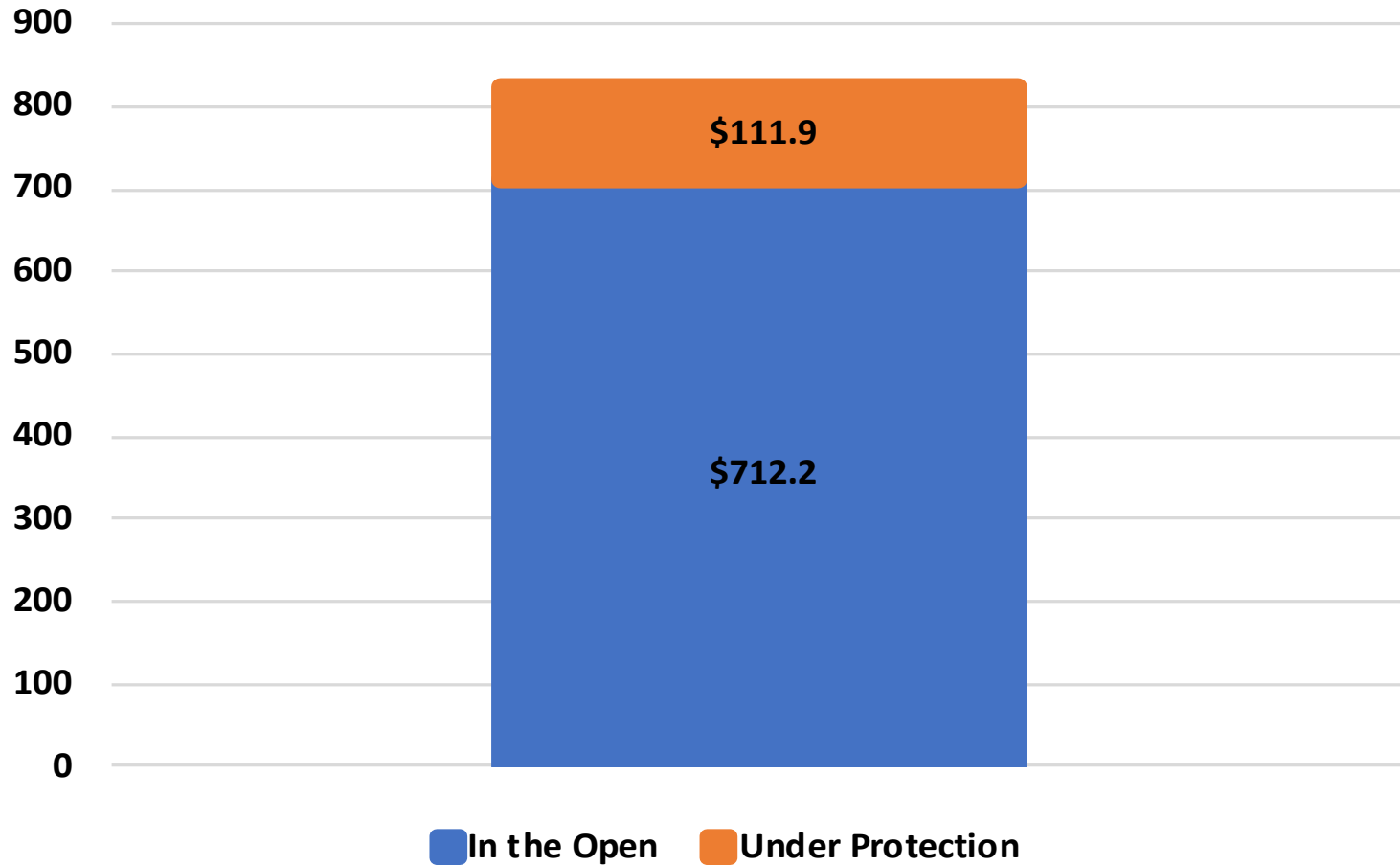


Count of Published Items by Level

U.S.	149
Region	65
State	904

2021 Industrial Hemp Value of All Utilized Production

Million Dollars





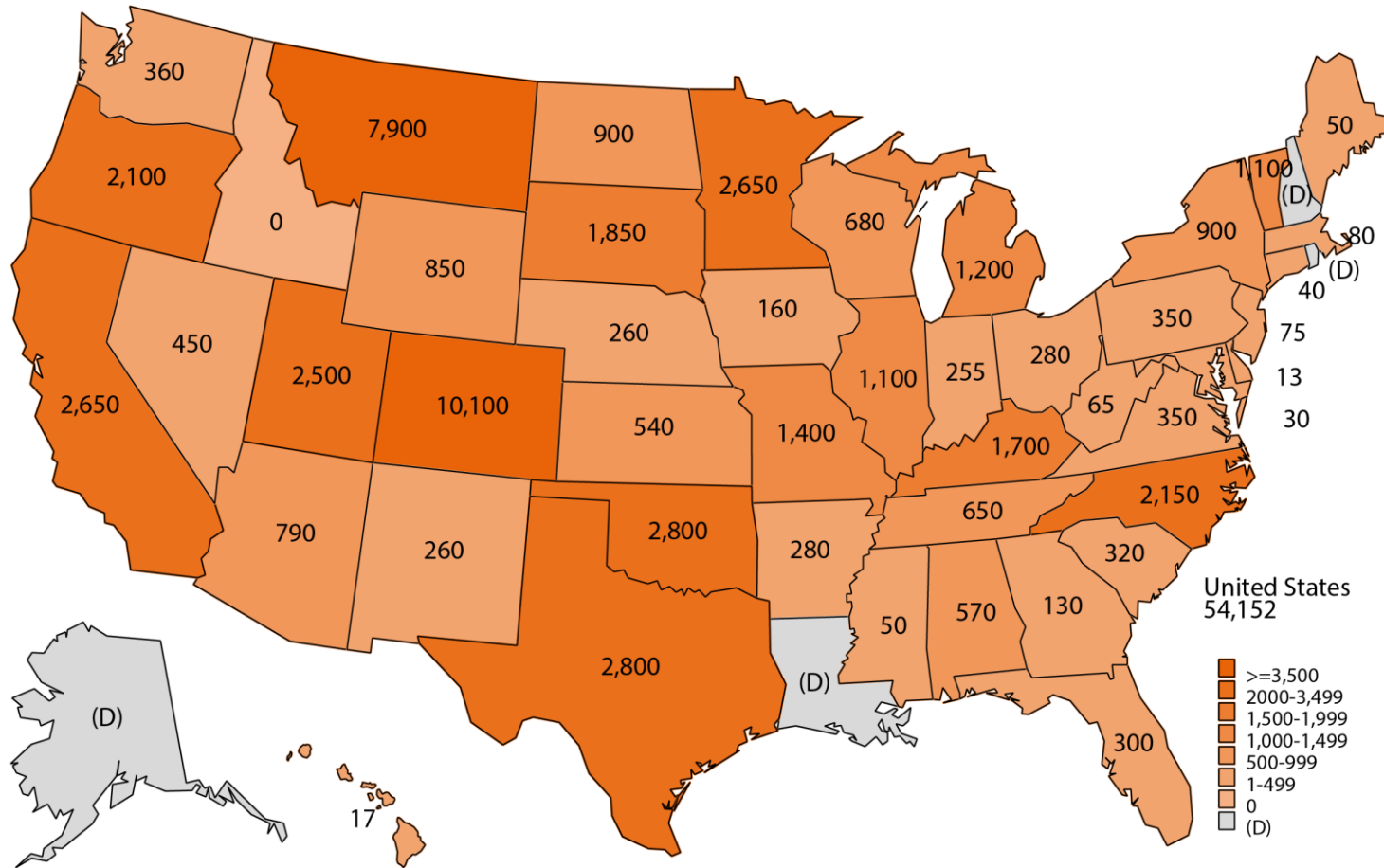
2021 Industrial Hemp

Grown in the Open

	Planted (Acres)	Harvested (Acres)	Value of Utilized Production (1,000 Dollars)
United States	54,152	33,480	712,188

Top 6 States - By Planted Acres			
	Planted (Acres)	Harvested (Acres)	Value of Utilized Production (1,000 Dollars)
Colorado	10,100	3,100	(D)
Montana	7,900	4,500	(D)
Oklahoma	2,800	275	(D)
Texas	2,800	1,070	(D)
California	2,650	2,250	(D)
Minnesota	2,650	2,300	(D)

2021 Industrial Hemp Acres Planted - Grown in the Open



(D) = Not Disclosed



2021 Industrial Floral Hemp Grown in the Open

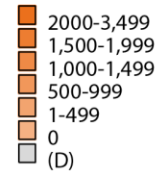
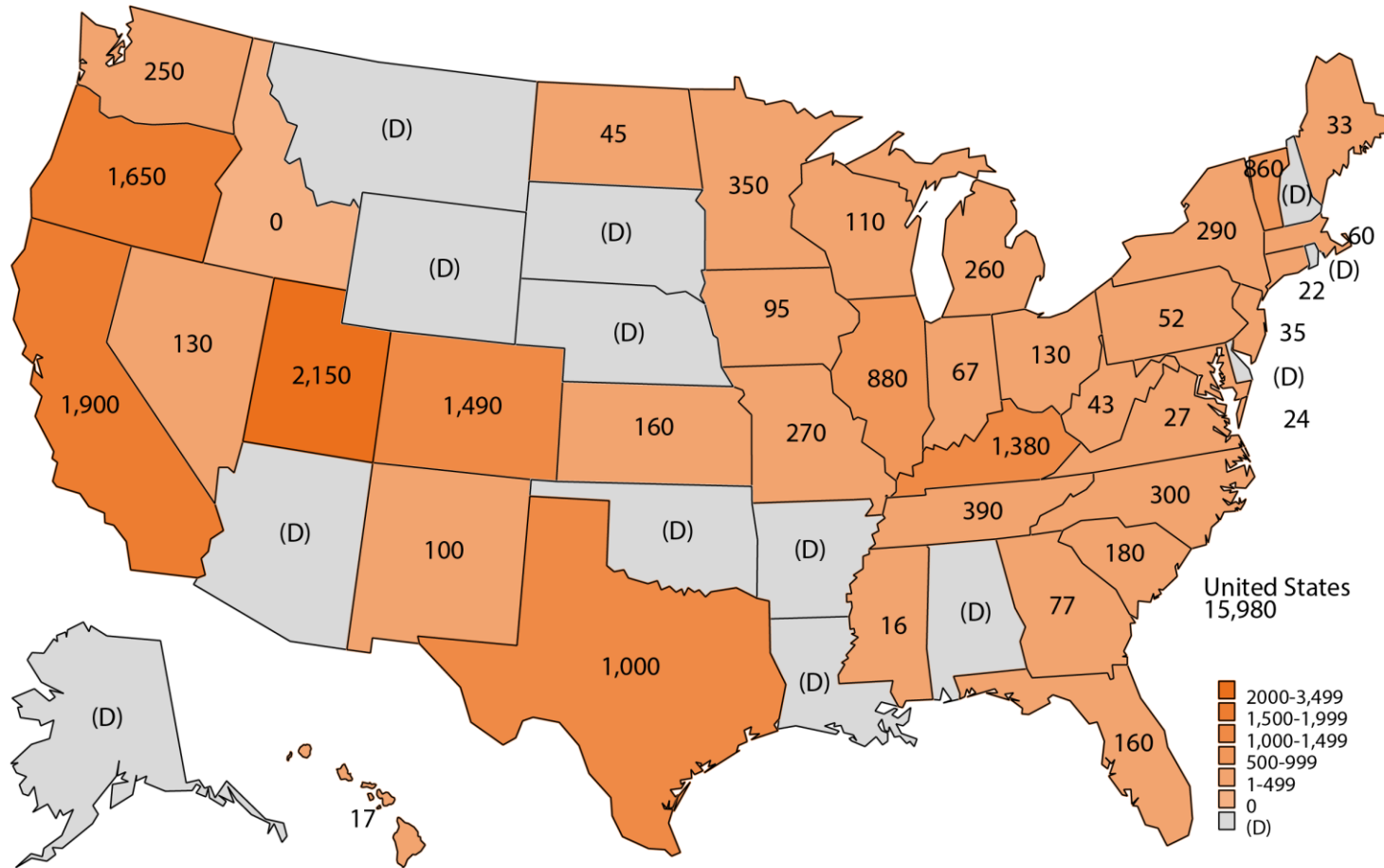


	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	15,980	1,235	19,735	15,733	4,002	39.60	623,236	13

Top 5 States - By Harvested Acres

	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
Utah	2,150	1,550	3,333	3,320	13	6.53	21,680	0
California	1,900	1,370	2,603	1,419	1,184	43.40	61,585	1
Oregon	1,650	1,450	2,393	2,221	172	106.00	235,426	1
Colorado	1,490	1,290	1,922	1,597	325	4.09	6,532	0
Kentucky	1,380	1,990	2,746	2,515	231	4.46	11,217	29

2021 Industrial Floral Hemp Acres Harvested - Grown in the Open



(D) = Not Disclosed



2021 Industrial Hemp for Grain Grown in the Open

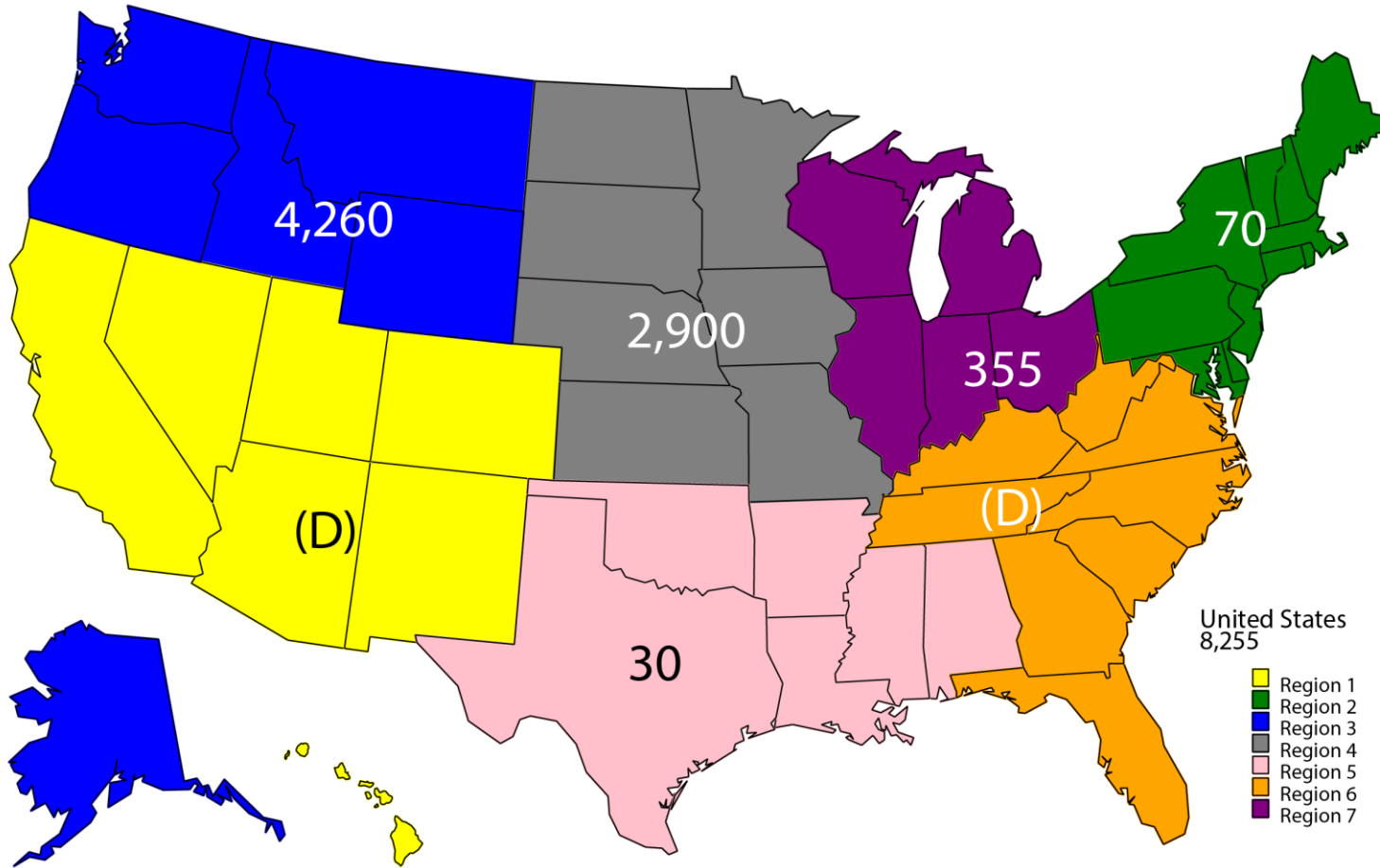


	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	8,255	530	4,372	3,960	412	1.51	5,985	24

	Regions							
	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
Region 1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Region 2	70	271	19	12	7	6.00	72	1
Region 3	4,260	406	1,729	1,724	5	0.65	1,114	23
Region 4	2,900	628	1,820	1,819	1	0.66	1,195	27
Region 5	30	3,000	90	22	68	1.09	24	97
Region 6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Region 7	355	865	307	229	78	5.57	1,276	1

2021 Industrial Grain Hemp

Acres Harvested - Grown in the Open



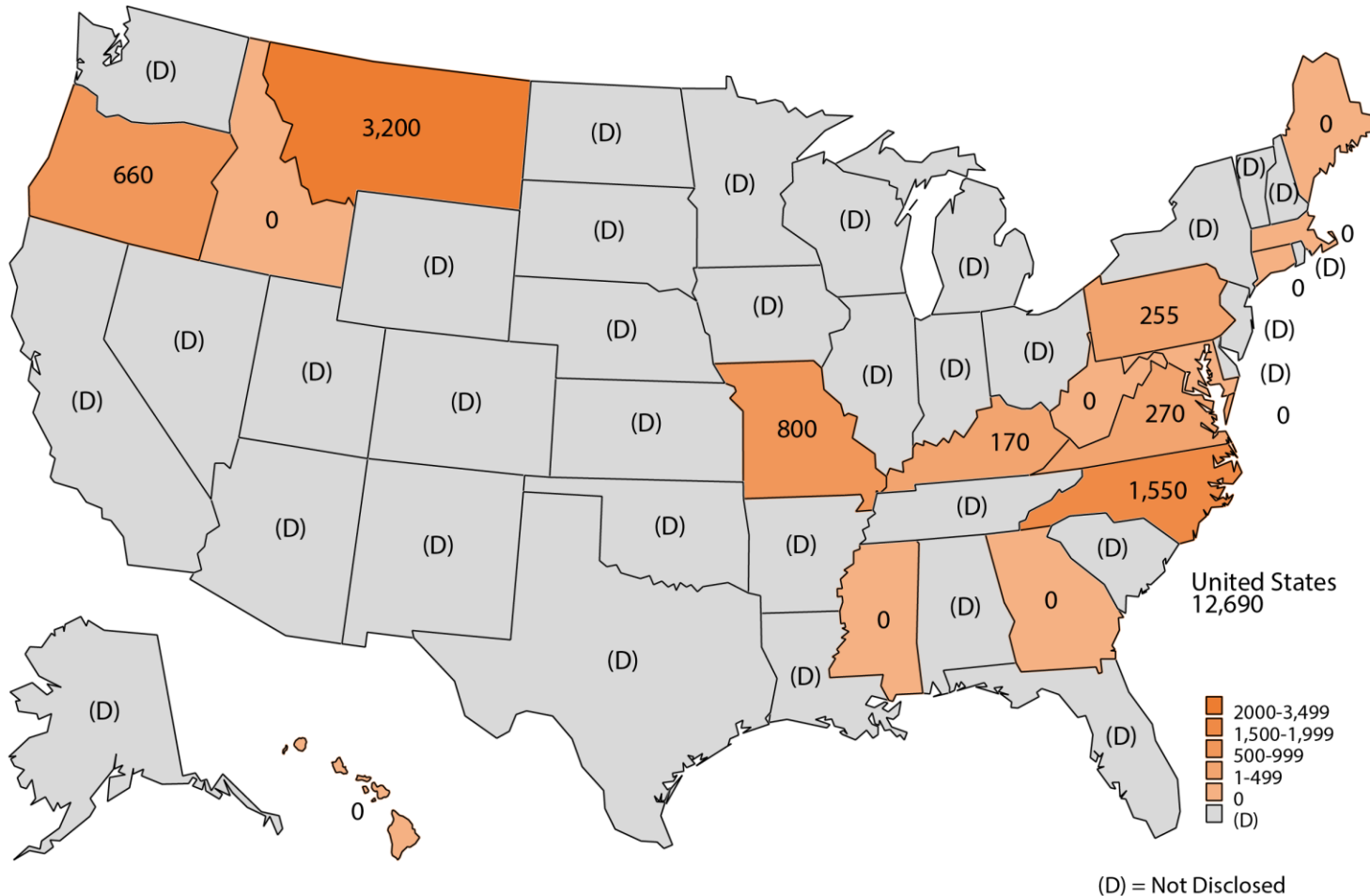


2021 Industrial Hemp for Fiber Grown in the Open



	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	12,690	2,620	33,249	27,610	5,639	1.50	41,445	13

2021 Industrial Hemp for Fiber Acres Harvested - Grown in the Open





2021 Industrial Hemp for Seed Grown in the Open



	Harvested (Acres)	Yield Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)	Harvested Not Sold (1,000 Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	3,515	530	1,862	1,680	182	24.70	41,522	11



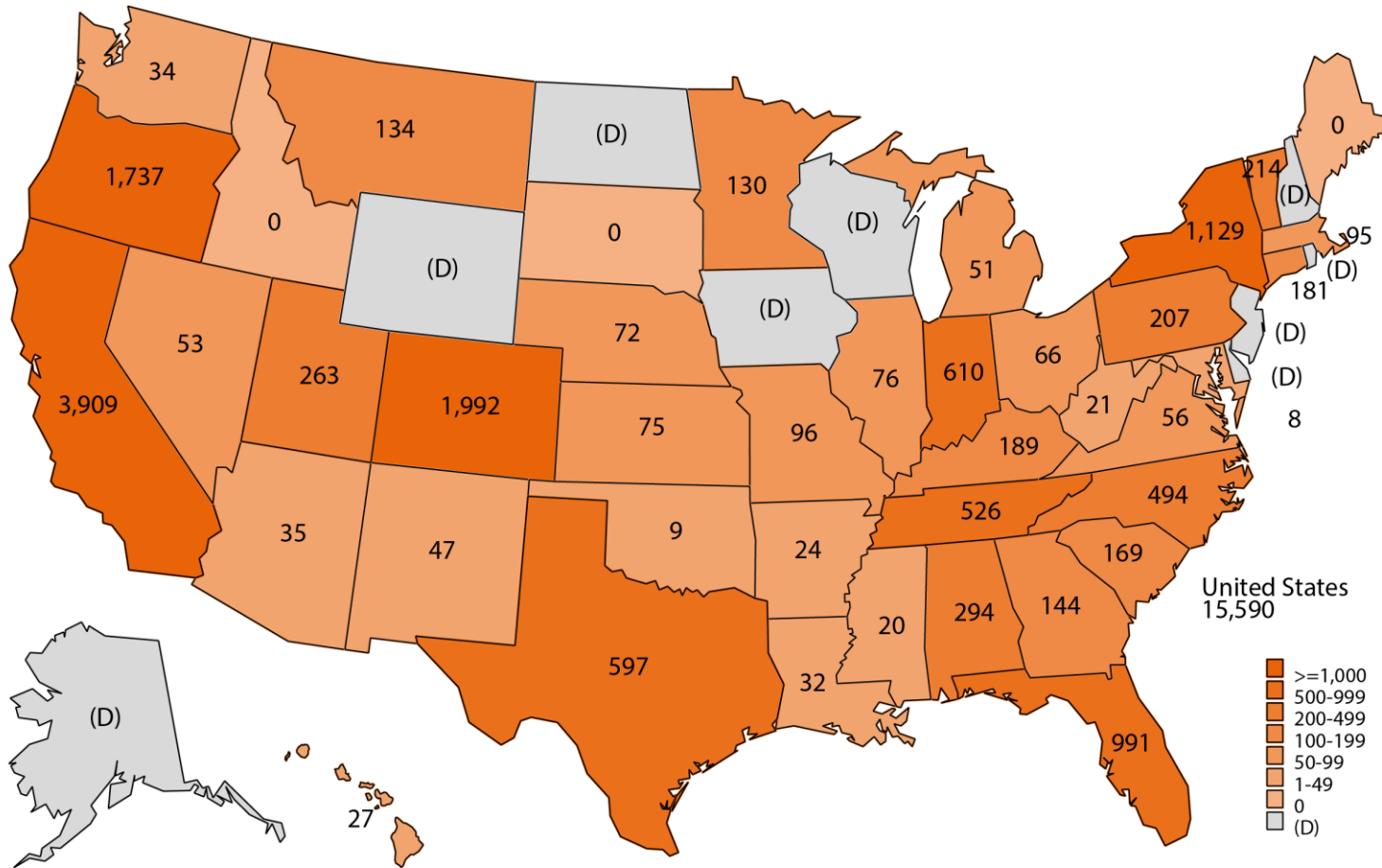
2021 Industrial Hemp Grown Under Protection

	Area in Production (Square Feet)	Value of Utilized Production (1,000 Dollars)
United States	15,590,395	111,863

Top 5 States		
	Area in Production (Square Feet)	Value of Utilized Production (1,000 Dollars)
California	3,908,977	(D)
Colorado	1,992,395	(D)
Oregon	1,737,257	(D)
New York	1,128,791	(D)
Florida	990,822	(D)

2021 Industrial Hemp

Area in Production (000 Square Feet) Under Protection



(D) = Not Disclosed



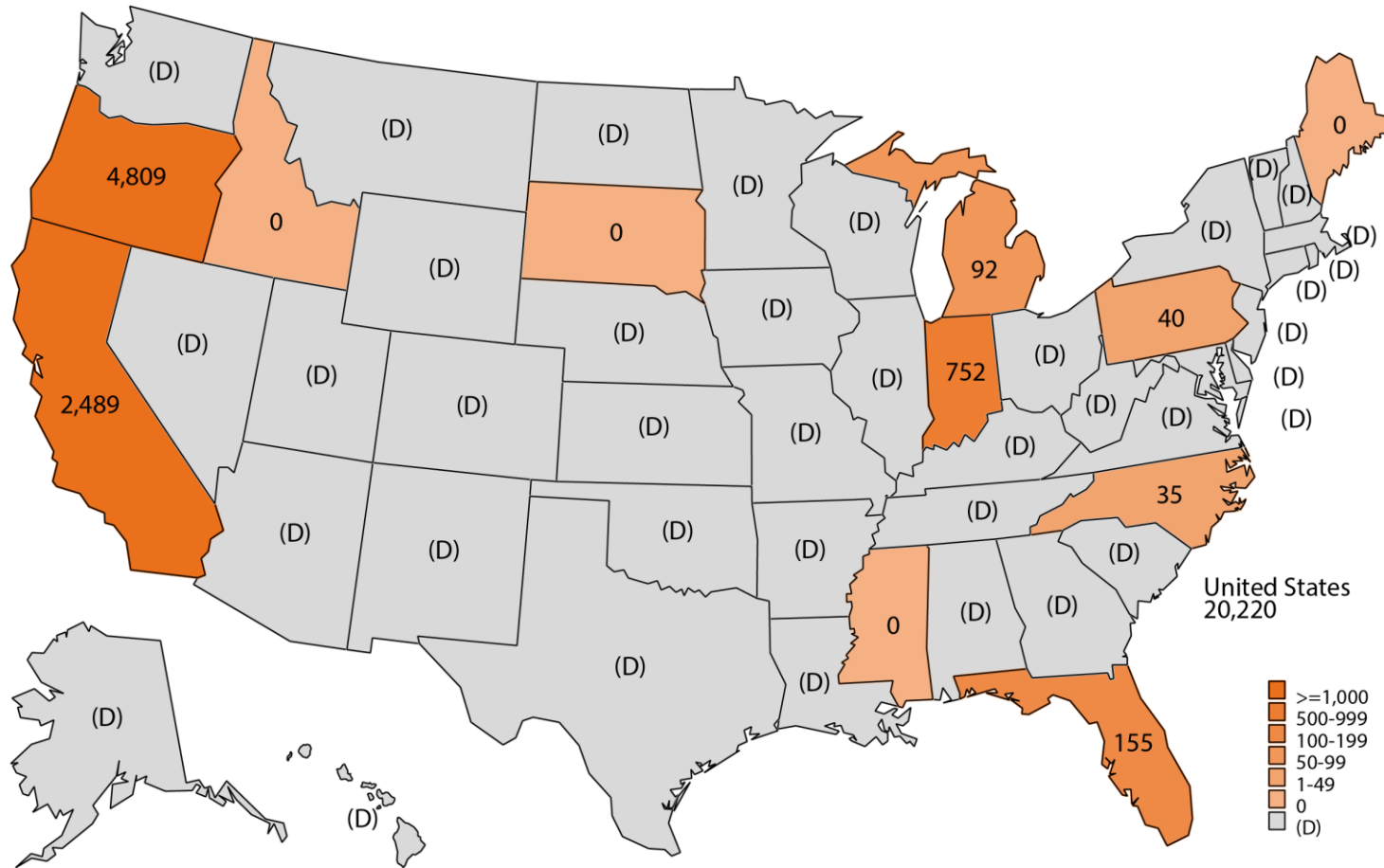
2021 Industrial Hemp

Clone or Transplant Production - Grown Under Protection

	Total Production <small>(1,000 Plants)</small>	Utilized Production <small>(1,000 Plants)</small>	Harvested Not Sold <small>(1,000 Plants)</small>	Price <small>(Dollars per Plant)</small>	Value of Utilized Production <small>(1,000 Dollars)</small>	Under Contract <small>(Percent)</small>
United States	20,220	18,040	2,180	1.32	23,775	29

2021 Industrial Hemp

Clone or Transplant Production (000 Plants) - Grown Under Protection



(D) = Not Disclosed



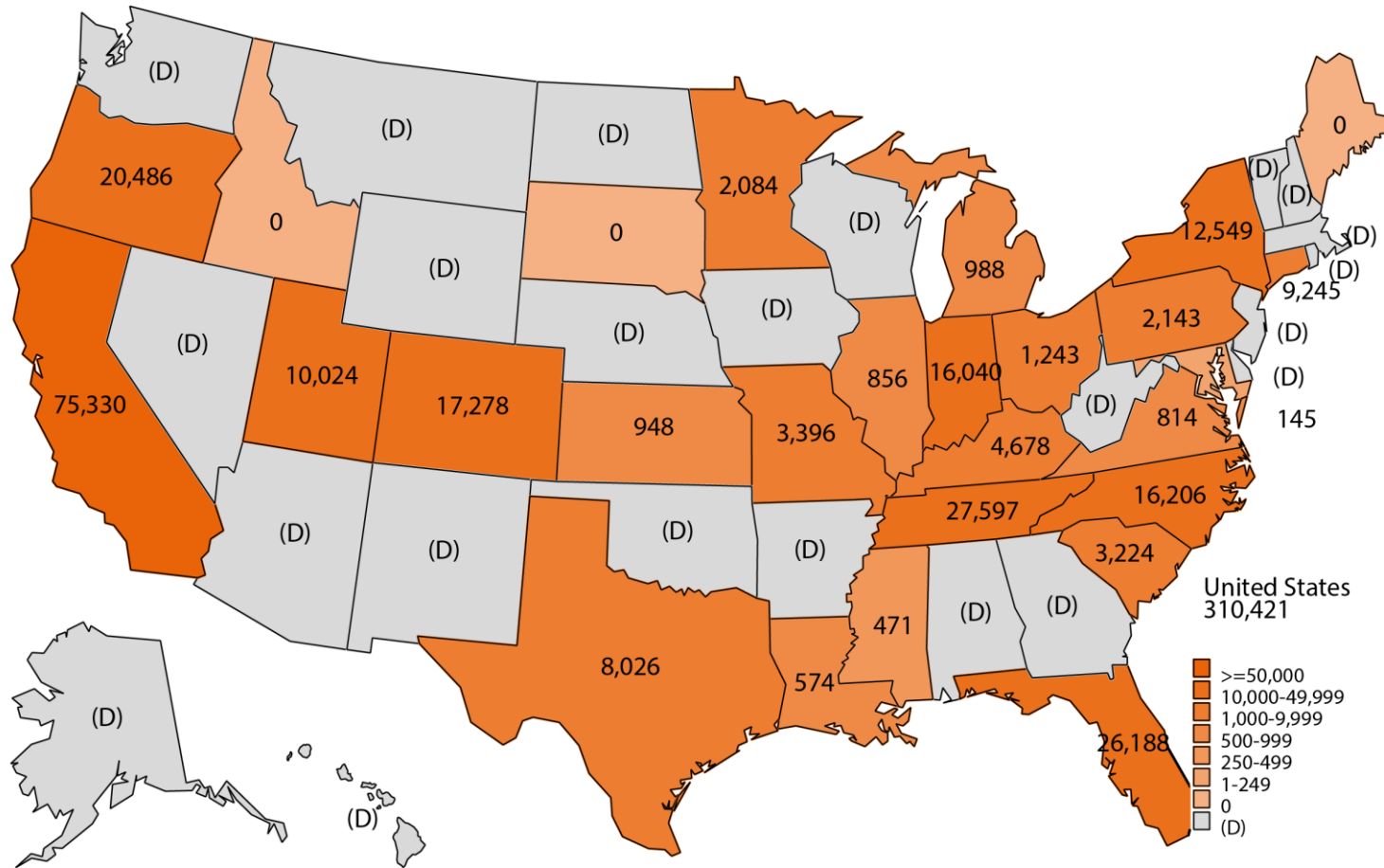
2021 Industrial Hemp

Floral Production - Grown Under Protection

	Total Production (Pounds)	Utilized Production (Pounds)	Harvested Not Sold (Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	310,421	256,124	54,297	251.00	64,363	30

2021 Industrial Hemp

Floral Production (Pounds) - Grown Under Protection



(D) = Not Disclosed



2021 Industrial Hemp

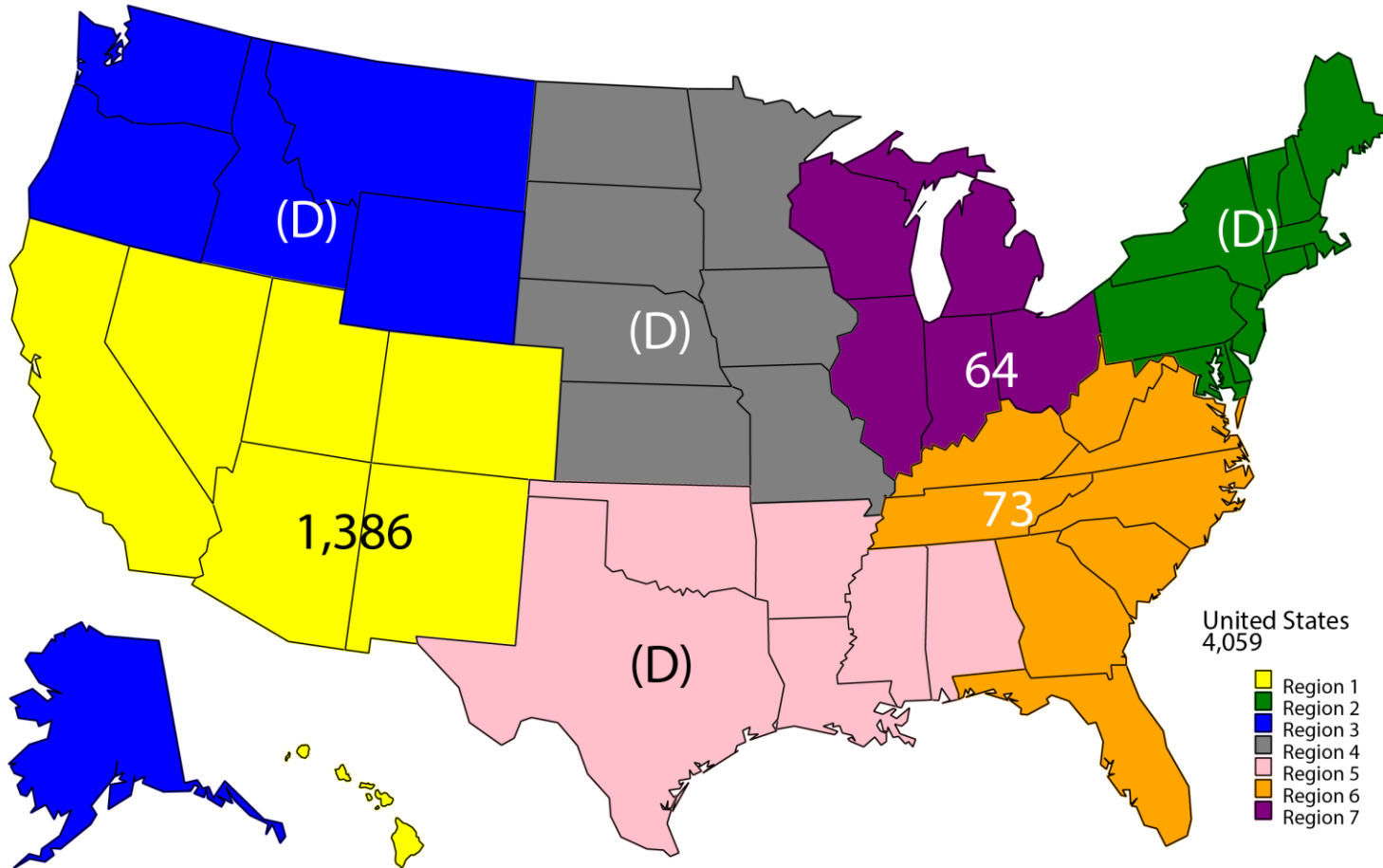
Seed Production - Grown Under Protection

	Total Production (Pounds)	Utilized Production (Pounds)	Harvested Not Sold (Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	4,059	3,121	938	7,600.00	23,725	1

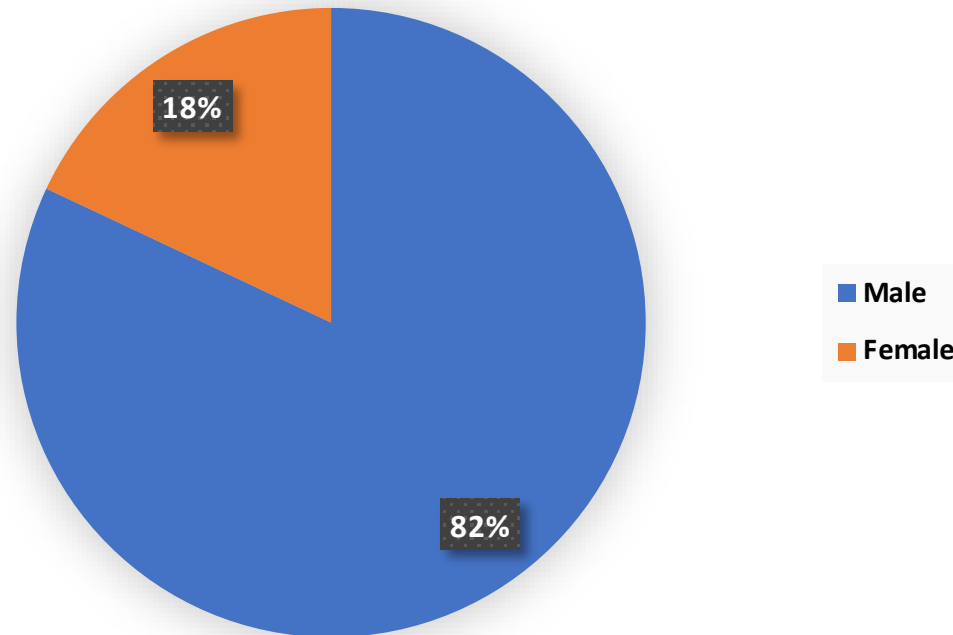
	Regions					
	Total Production (Pounds)	Utilized Production (Pounds)	Harvested Not Sold (Pounds)	Price (Dollars per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
Region 1	1,386	978	408	9,210.00	9,007	0
Region 2	(D)	(D)	(D)	(D)	(D)	(D)
Region 3	(D)	(D)	(D)	(D)	(D)	(D)
Region 4	(D)	(D)	(D)	(D)	(D)	(D)
Region 5	(D)	(D)	(D)	(D)	(D)	(D)
Region 6	73	73	0	2,070.00	151	0
Region 7	64	51	13	78.40	4	90

2021 Industrial Hemp

Seed Production (Pounds) - Grown Under Protection



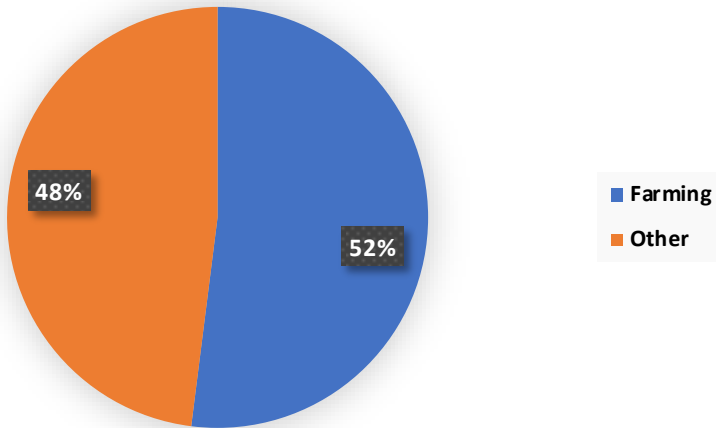
2021 Industrial Hemp Producer Characteristics - Sex



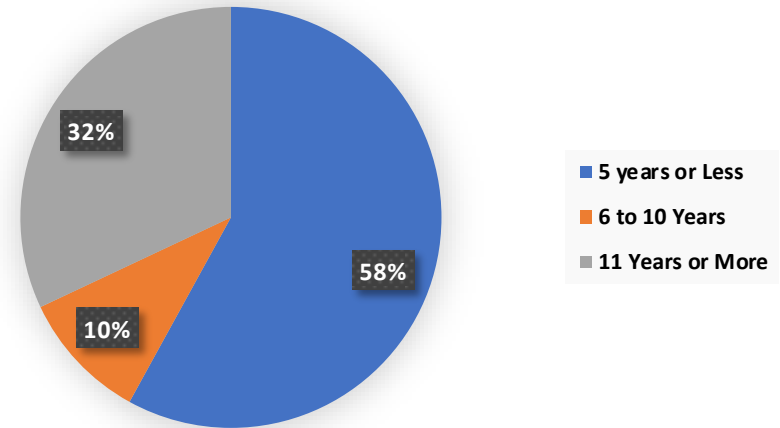
2021 Industrial Hemp

Producer Characteristics – Occupation & Years Operating

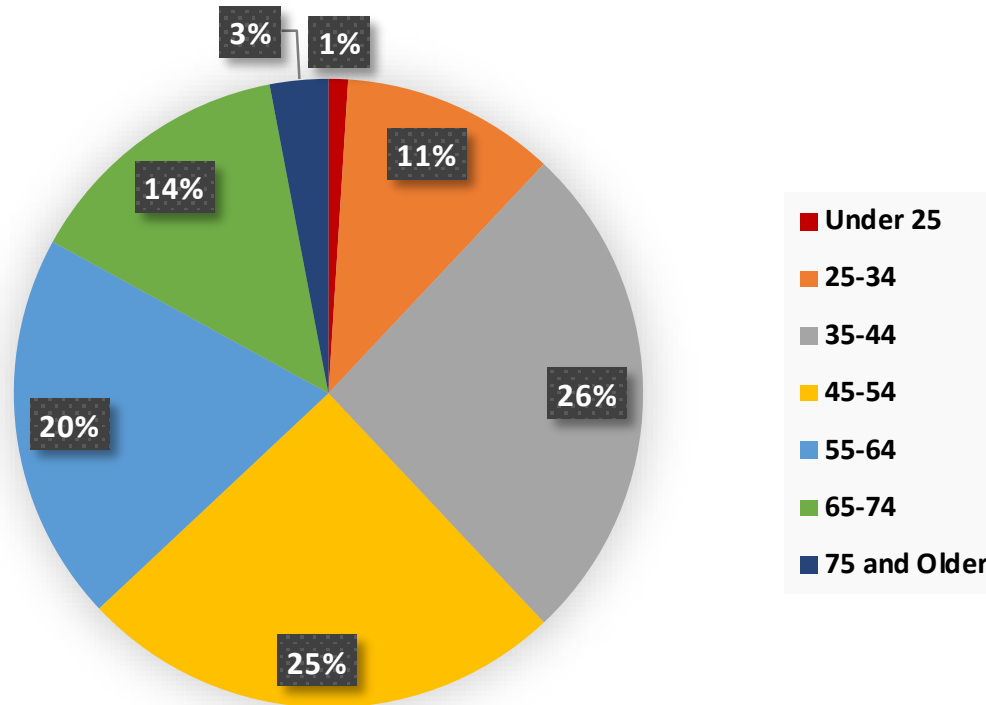
Primary Occupation



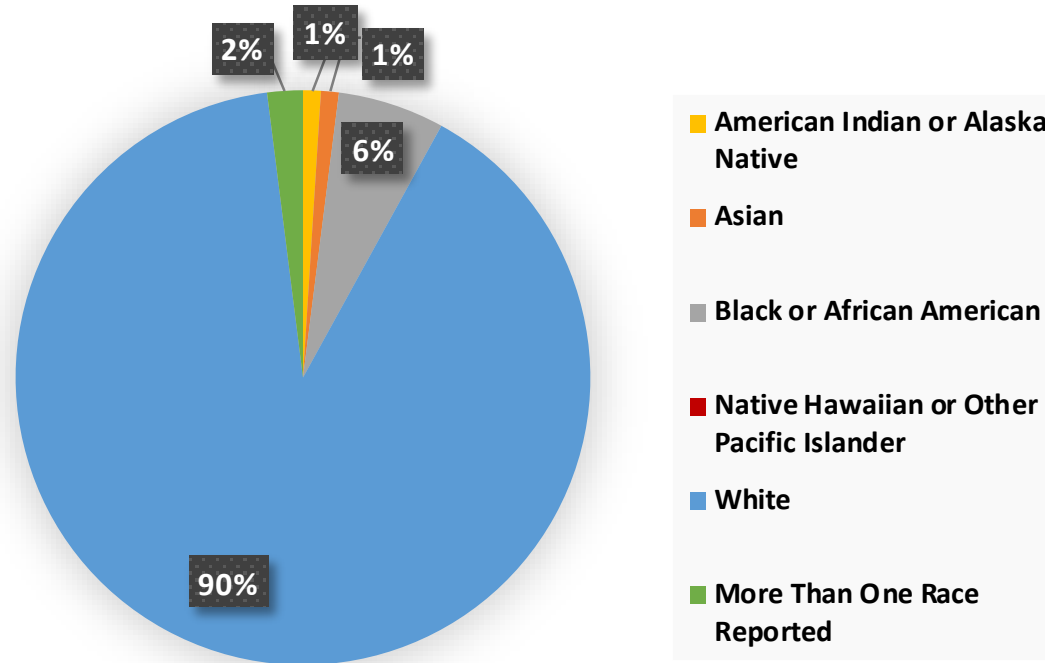
Years Operating Any Farm



2021 Industrial Hemp Producer Characteristics – Age Group



2021 Industrial Hemp Producer Characteristics – By Race





Selected Upcoming Reports



February 18	Farms and Land in Farms
February 24	County Estimates: Corn, Sorghum, Soybeans Crop Values
February 25	Cattle on Feed
February 28	Agricultural Prices
March 1	Cotton System - Monthly & Annual Fats and Oils - Monthly & Annual Grain Crashings - Monthly & Annual
March 3	County Estimates: Rice
March 9	Cotton Ginnings Crop Production

<https://www.nass.usda.gov/Publications/index.php>



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THURS, FEB. 17 @ 4PM ET



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(202) 720-2127

(800) 727-9540

nass@usda.gov