



United States Department of Agriculture
National Agricultural Statistics Service



National Hemp Report

Agricultural Statistics Board Briefing

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The **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

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.

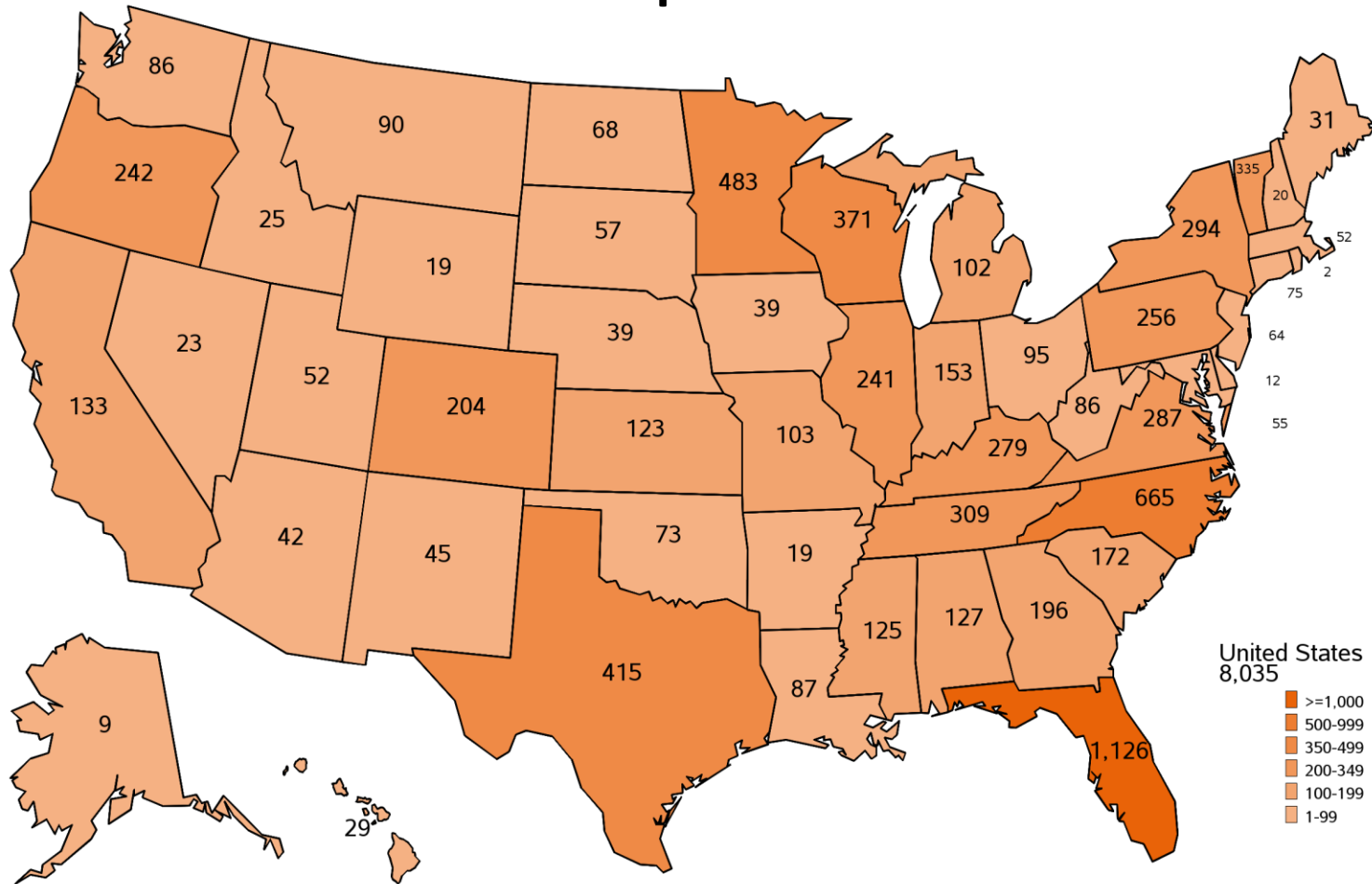
The Domestic Hemp Production Program, established in the 2018 Farm Bill and administered by AMS, allows for the cultivation of hemp under certain conditions.

Data Sources

Operator Reported Survey	Hemp Acreage and Production Survey	Sample Size = 8,035	February 2024 - March 2024
FSA	<p>Hemp producers report indicated usage acreage data to FSA.</p> <p>https://www.fsa.usda.gov/news-room/efoia/electronic-reading-room/frequently-requested-information/crop-acreage-data/index</p>		
RMA	<p>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.</p>		
AMS	<p>Tribal Governments and State Departments of Agriculture provide hemp acreage data by usage to AMS.</p>		
State Sources	<p>State Departments of Agriculture routinely collect and disseminate hemp information and data. What is collected varies by state.</p>		

Hemp Acreage and Production Survey

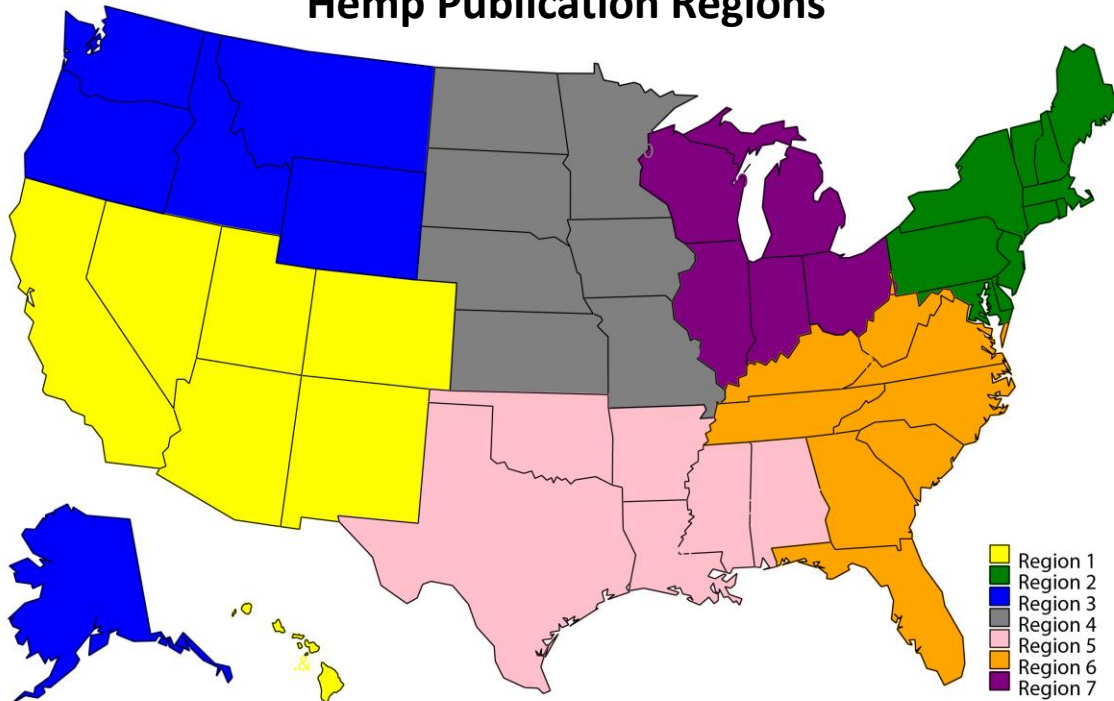
Sample Sizes



Publication Levels

Levels of Publication U.S., Region, State

Hemp Publication Regions

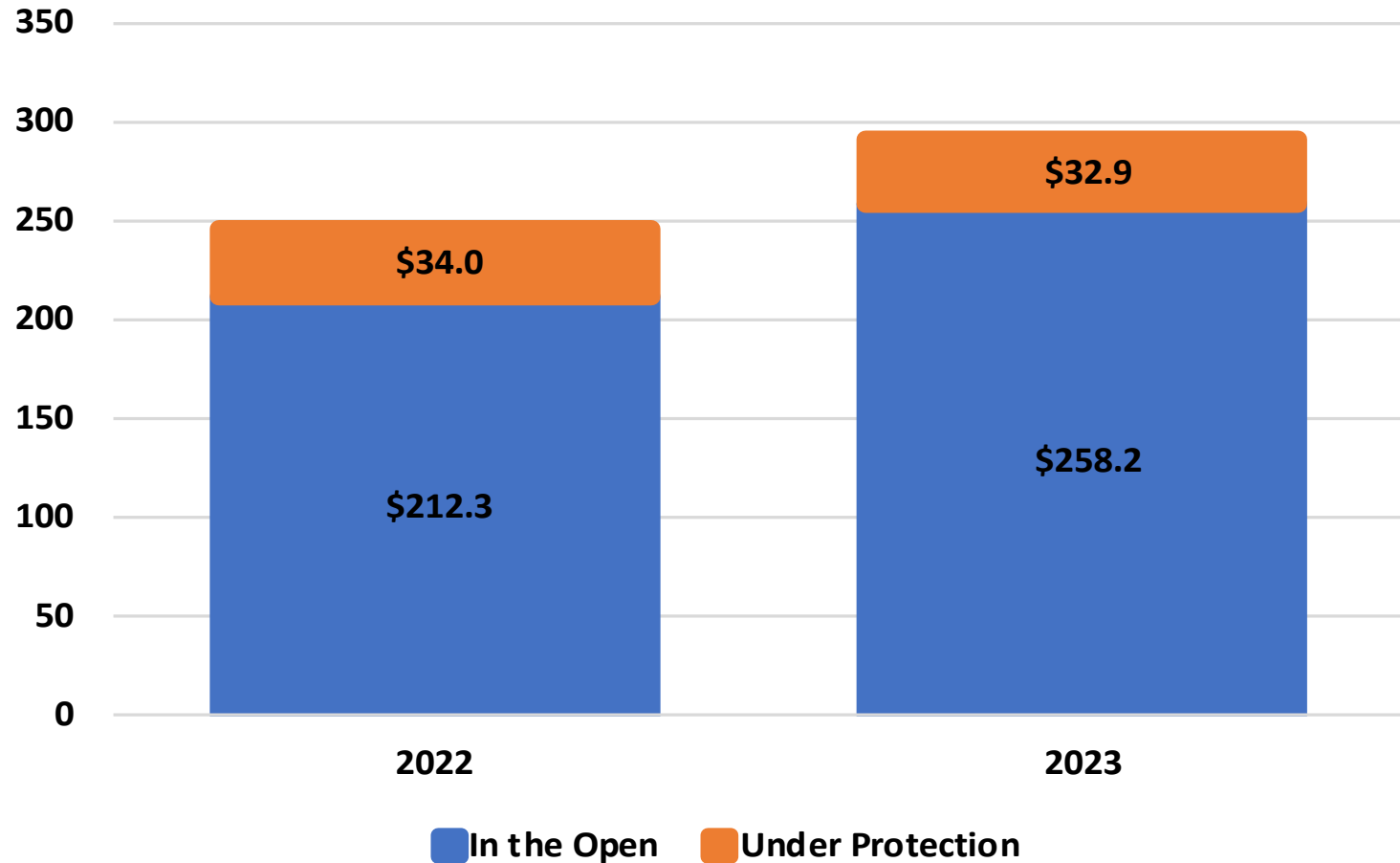


Count of Published Items
by Level

U.S.	149
Region	24
State	429

2023 Industrial Hemp Value of All Utilized Production

Million Dollars





2023 Industrial Hemp

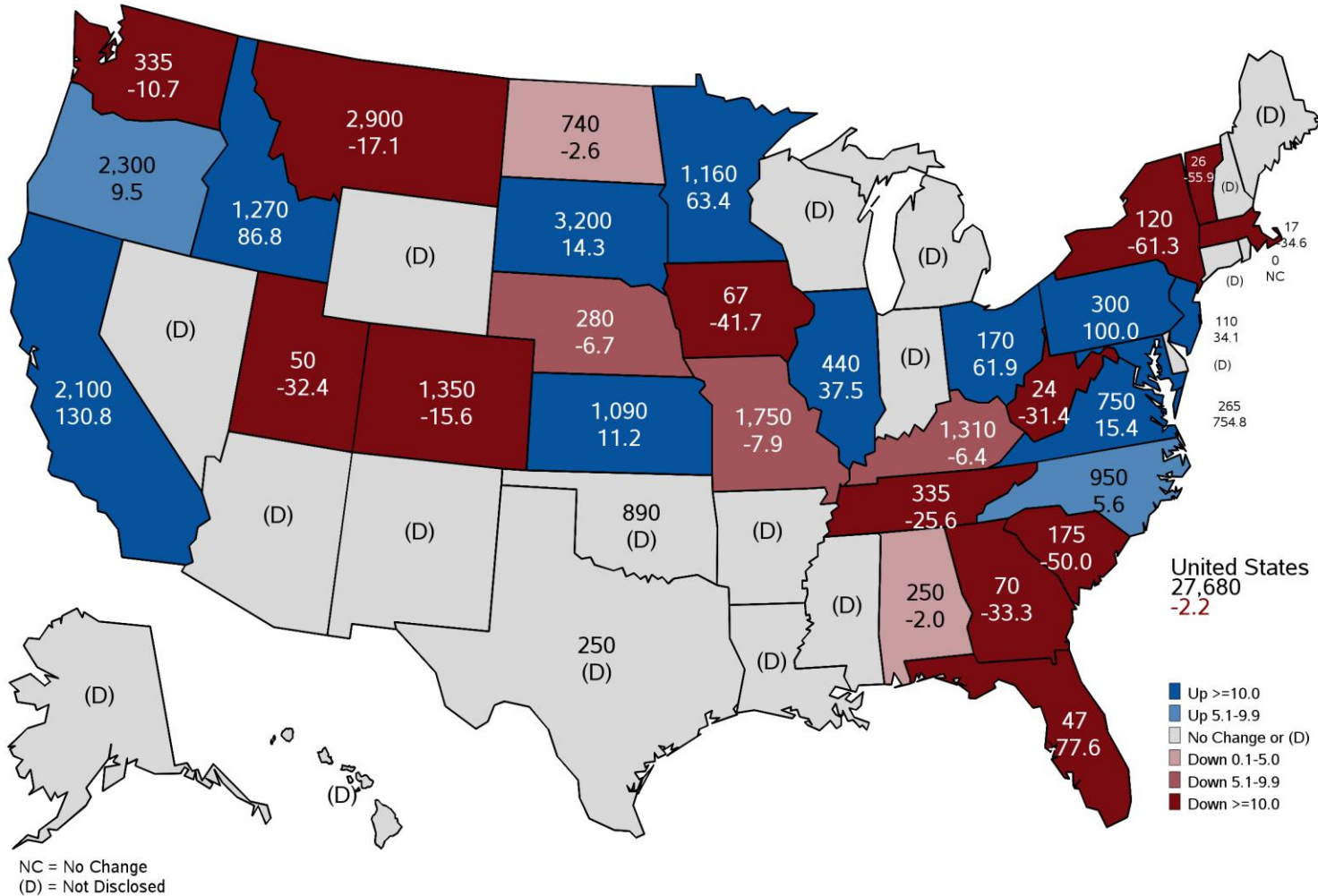
Grown in the Open

	Planted (Acres)	Harvested (Acres)	Value of Utilized Production (1,000 Dollars)
United States	27,680	21,079	258,176
% Change from Previous Season	↓ 2.2	↑ 15.5	↑ 21.6

Top 6 States - By Planted Acres						
	Planted (Acres)		Harvested (Acres)		Value of Utilized Production (1,000 Dollars)	
		% Δ PY		% Δ PY		% Δ PY
South Dakota	3,200	↑ 14.3	2,900	↑ 13.7	(D)	
Montana	2,900	↓ -17.1	2,450	↑ 66.7	(D)	
Oregon	2,300	↑ 9.5	2,050	↑ 7.9	(D)	
California	2,100	↑ 130.8	1,900	↑ 118.4	(D)	
Missouri	1,750	↓ -7.9	1,410	↑ 0.7	(D)	
Colorado	1,350	↓ -15.6	450	↓ -6.3	(D)	

2023 Industrial Hemp Planted

Acres in the Open and Percent Change from Previous Year





2023 Industrial Floral Hemp Grown in the Open



	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)
United States	7,383	1,088	8,030	7,643
% Change from Previous Season	↑ 3.9	↑ 14.0	↑ 18.4	↑ 24.5

Top 5 States - By Harvested Acres

	Harvested (Acres)		Yield (Pounds Per Acre)		Total Production (1,000 Pounds)		Utilized Production (1,000 Pounds)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Oregon	1,850	↓ 2.6	960	↑ 33.3	1,776	↑ 29.8	1,687	↑ 30.3
California	1,210	↑ 77.9	1,380	↑ 170.6	1,670	↑ 381.3	1,668	↑ 414.8
Kentucky	1,150	0.0	2,370	↑ 0.4	2,726	↑ 0.4	2,723	↑ 4.0
(D)	(D)		(D)		(D)		(D)	
(D)	(D)		(D)		(D)		(D)	



2023 Industrial Floral Hemp Grown in the Open



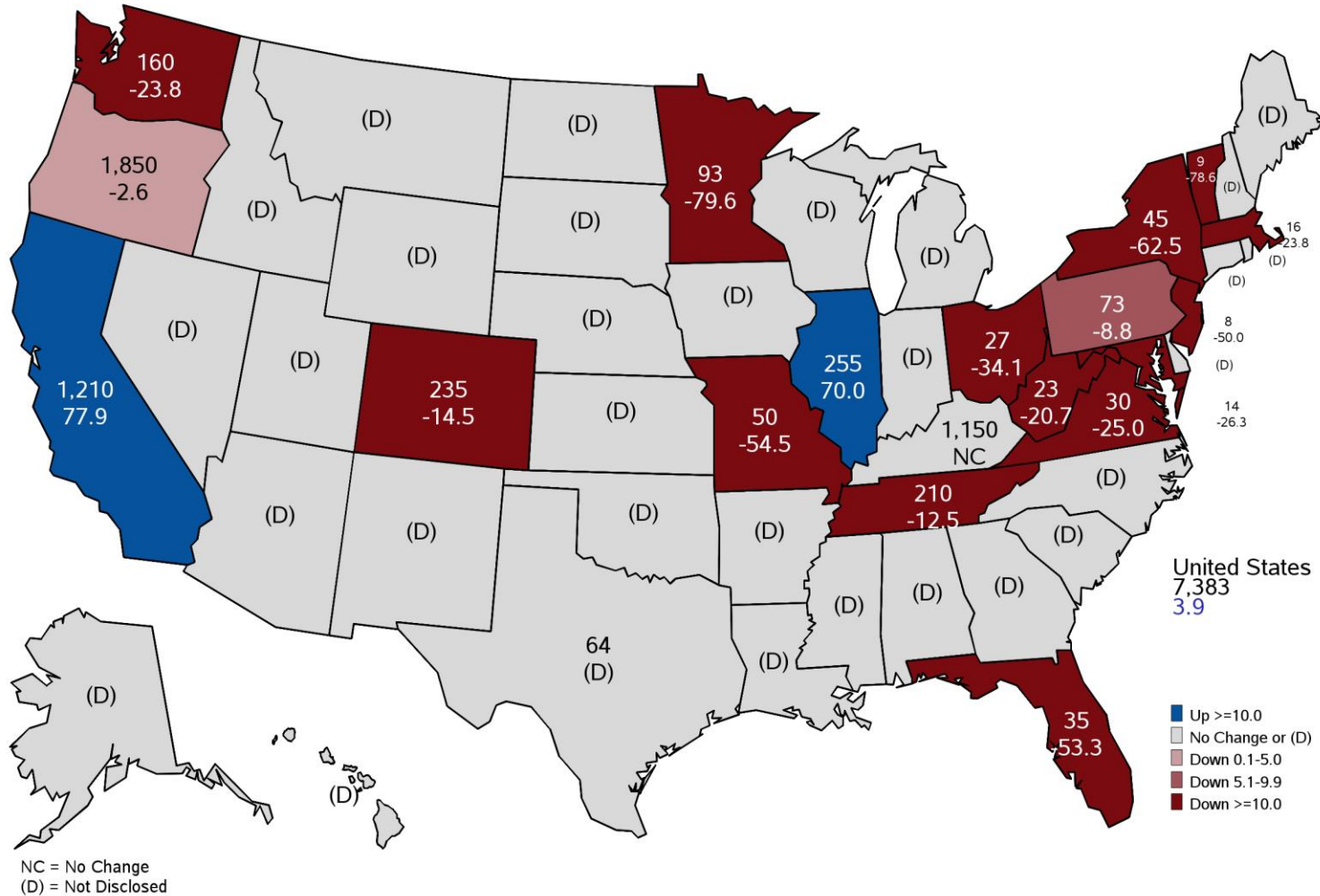
	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	387	31.60	241,375	26
% Change from Previous Season	↓ 39.6	↑ 8.6	↑ 34.9	↓ 16.1

Top 5 States - By Harvested Acres											
	Harvested Not Sold (1,000 Pounds)		Price (Dollars Per Pound)		Value of Utilized Production (1,000 Dollars)		Under Contract (Percent)				
		% Δ PY		% Δ PY		% Δ PY		% Δ PY		% Δ PY	
Oregon	89	↑	21.9	↑	29.2	68.4	↑	68.4	6	↓	64.7
California	2	↓	91.3	↑	118.9	1,026.7	↑	1,026.7	0		
Kentucky	3	↓	96.8	↑	44.5	50.3	↑	50.3	42	↑	31.3
(D)	(D)		(D)		(D)		(D)		(D)		
(D)	(D)		(D)		(D)		(D)		(D)		



2023 Industrial Floral Hemp Harvested

Acres in the Open and Percent Change from Previous Year





2023 Industrial Hemp for Grain Grown in the Open



	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)
United States	3,986	779	3,106	3,016
% Change from Previous Season	↓ 25.9	↑ 72.3	↑ 27.9	↑ 27.7

	Regions							
	Harvested (Acres)		Yield (Pounds Per Acre)		Total Production (1,000 Pounds)		Utilized Production (1,000 Pounds)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Region 1	(D)		(D)		(D)		(D)	
Region 2	83	(D)	867	(D)	72	(D)	59	(D)
Region 3	1,007	↑ 2.9	724	↑ 111.1	729	↑ 117.0	729	↑ 117.0
Region 4	1,845	↓ 46.0	687	↑ 41.1	1,268	↓ 23.8	1,215	↓ 25.6
Region 5	(D)		(D)		(D)		(D)	
Region 6	(D)		(D)		(D)		(D)	
Region 7	(D)		(D)		(D)		(D)	



2023 Industrial Hemp for Grain Grown in the Open



	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	90	0.77	2,313	36
% Change from Previous Season	↑ 34.3	↓ 50.0	↓ 36.3	↑ 2.9

	Regions							
	Harvested Not Sold (1,000 Pounds)		Price (Dollars Per Pound)		Value of Utilized Production (1,000 Dollars)		Under Contract (Percent)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
Region 1	(D)		(D)		(D)		(D)	
Region 2	13	(D)	1.41	(D)	83	(D)	0	(D)
Region 3	0		1.09	↑ 67.7	791	↑ 264.5	29	↓ 67.0
Region 4	53	↑ 71.0	0.70	↓ 31.4	854	↓ 48.9	73	↑ 284.2
Region 5	(D)		(D)		(D)		(D)	
Region 6	(D)		(D)		(D)		(D)	
Region 7	(D)		(D)		(D)		(D)	



2023 Industrial Hemp for Fiber Grown in the Open



	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)
United States	12,106	4,053	49,064	46,252
% Change from Previous Season	↑ 76.7	↑ 32.0	↑ 133.3	↑ 125.1

Top 5 States - By Harvested Acres

	Harvested (Acres)		Yield (Pounds Per Acre)		Total Production (1,000 Pounds)		Utilized Production (1,000 Pounds)	
		% Δ PY		% Δ PY		% Δ PY		% Δ PY
South Dakota	2,900	↑ 262.5	5,490	↑ 125.9	15,921	↑ 719.0	15,730	↑ 709.2
Montana	2,000	↑ 217.5	2,740	↓ 29.0	5,480	↑ 125.3	5,480	↑ 125.3
Missouri	1,360	↑ 4.6	5,080	↓ 13.9	6,909	↓ 9.9	6,909	↓ 9.9
Idaho	1,240	(D)	3,350	(D)	4,154	(D)	4,154	(D)
(D)	(D)		(D)		(D)		(D)	



2023 Industrial Hemp for Fiber Grown in the Open

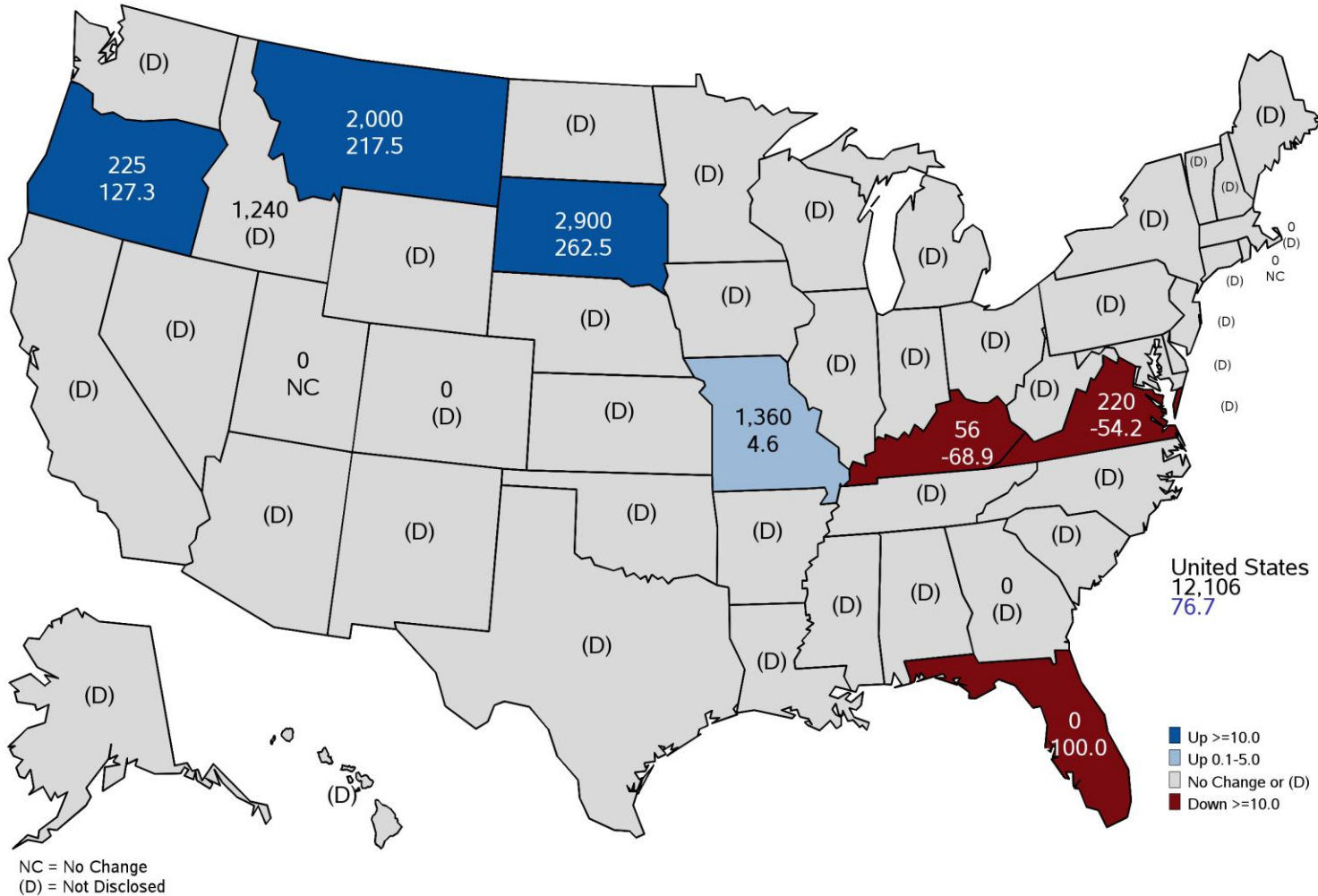
	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	2,812	0.25	11,577	38
% Change from Previous Season	↑ 477.4	↓ 81.9	↓ 59.1	↓ 2.6

Top 5 States - By Harvested Acres										
	Harvested Not Sold		Price		Value of Utilized Production		Under Contract			
	(1,000 Pounds)	% Δ PY	(Dollars Per Pound)	% Δ PY	(1,000 Dollars)	% Δ PY	(Percent)	% Δ PY		
South Dakota	191		0.15	↓ 16.7	2,360	↑ 574.3	23	↓ 37.8		
Montana	0		0.13	↑ 18.2	712	↑ 165.7	99	↓ 1.0		
Missouri	0		0.15	↓ 88.5	1,036	↓ 89.6	21	↓ 4.5		
Idaho	0		0.32	(D)	1,329	(D)	50	(D)		
(D)	(D)		(D)		(D)		(D)			



2023 Industrial Hemp for Fiber Harvested

Acres in the Open and Percent Change from Previous Year





2023 Industrial Hemp for Seed Grown in the Open



	Harvested (Acres)	Yield (Pounds Per Acre)	Total Production (1,000 Pounds)	Utilized Production (1,000 Pounds)
United States	1,344	559	751	726
% Change from Previous Season	↑ 65.5	↑ 210.6	↑ 414.4	↑ 445.9

	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	25	4.01	2,911	83
% Change from Previous Season	↑ 92.3	↓ 64.2	↑ 96.2	↑ 260.9



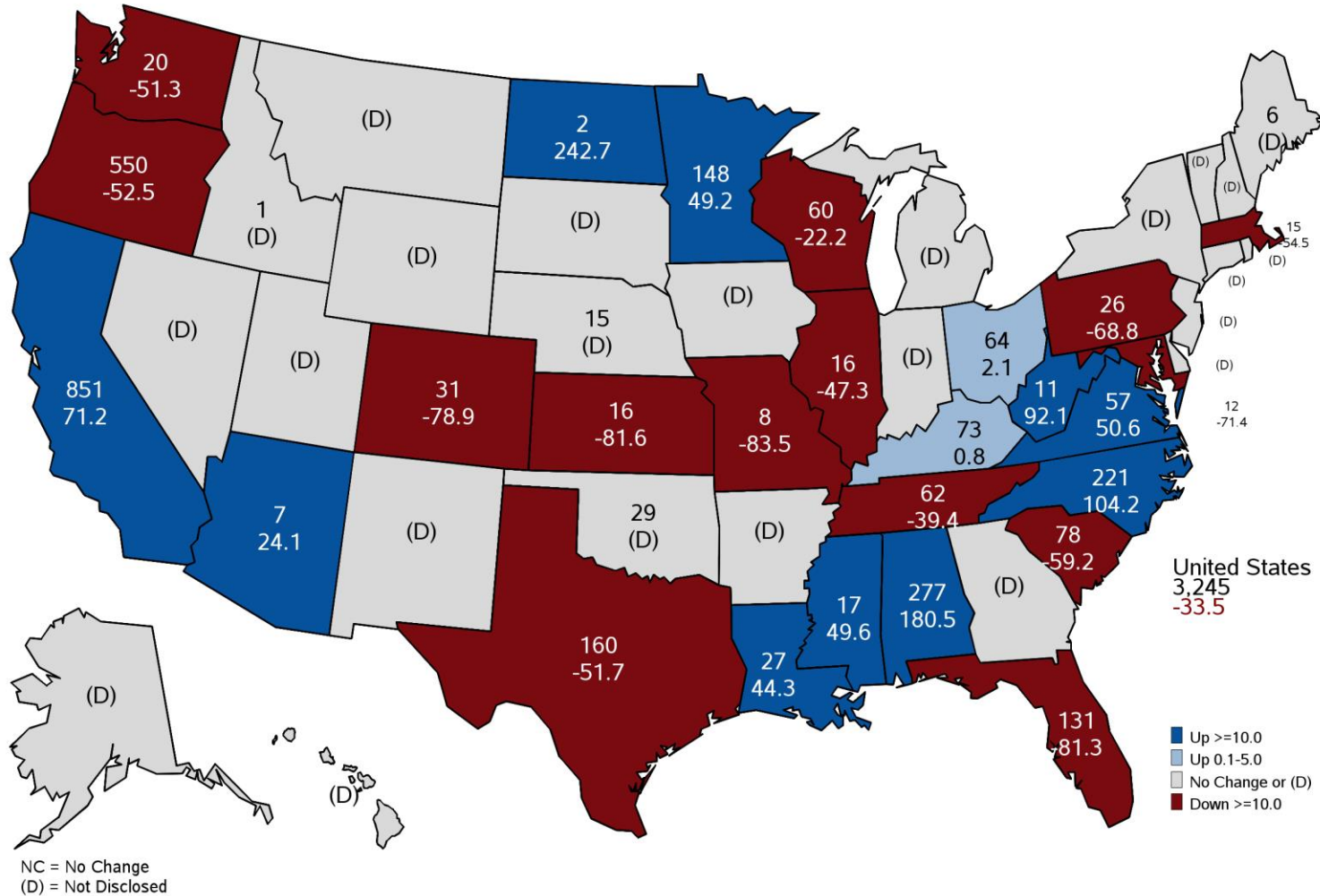
2023 Industrial Hemp Grown Under Protection

	Area in Production <small>(Square Feet)</small>	Value of Utilized Prodction <small>(1,000 Dollars)</small>
United States	3,244,527	32,874
<small>% Change from Previous Season</small>	↓ 33.5	↓ 3.2

Top 5 States				
	Area in Production <small>(Square Feet)</small>	Value of Utilized Production <small>(1,000 Dollars)</small> <small>% Δ PY</small>		
California	851,000	↑	71.2	(D)
Oregon	550,000	↓	52.5	(D)
Alabama	277,400	↑	180.5	(D)
North Carolina	221,406	↑	104.2	(D)
Texas	160,000	↓	51.7	(D)

2023 Industrial Hemp Area in Production

1,000 Square Feet Under Protection and Percent Change from Previous Year





2023 Industrial Hemp

Clone or Transplant Production - Grown Under Protection

	Total Production (1,000 Plants)	Utilized Production (1,000 Plants)	Harvested Not Sold (1,000 Plants)
United States	934	918	16
% Change from Previous Season	↓ 26.0	↓ 26.4	↑ 6.7

	Price (Dollars Per Plant)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	0.95	870	25
% Change from Previous Season	↑ 61.0	↑ 17.9	↓ 68.8



2023 Industrial Hemp

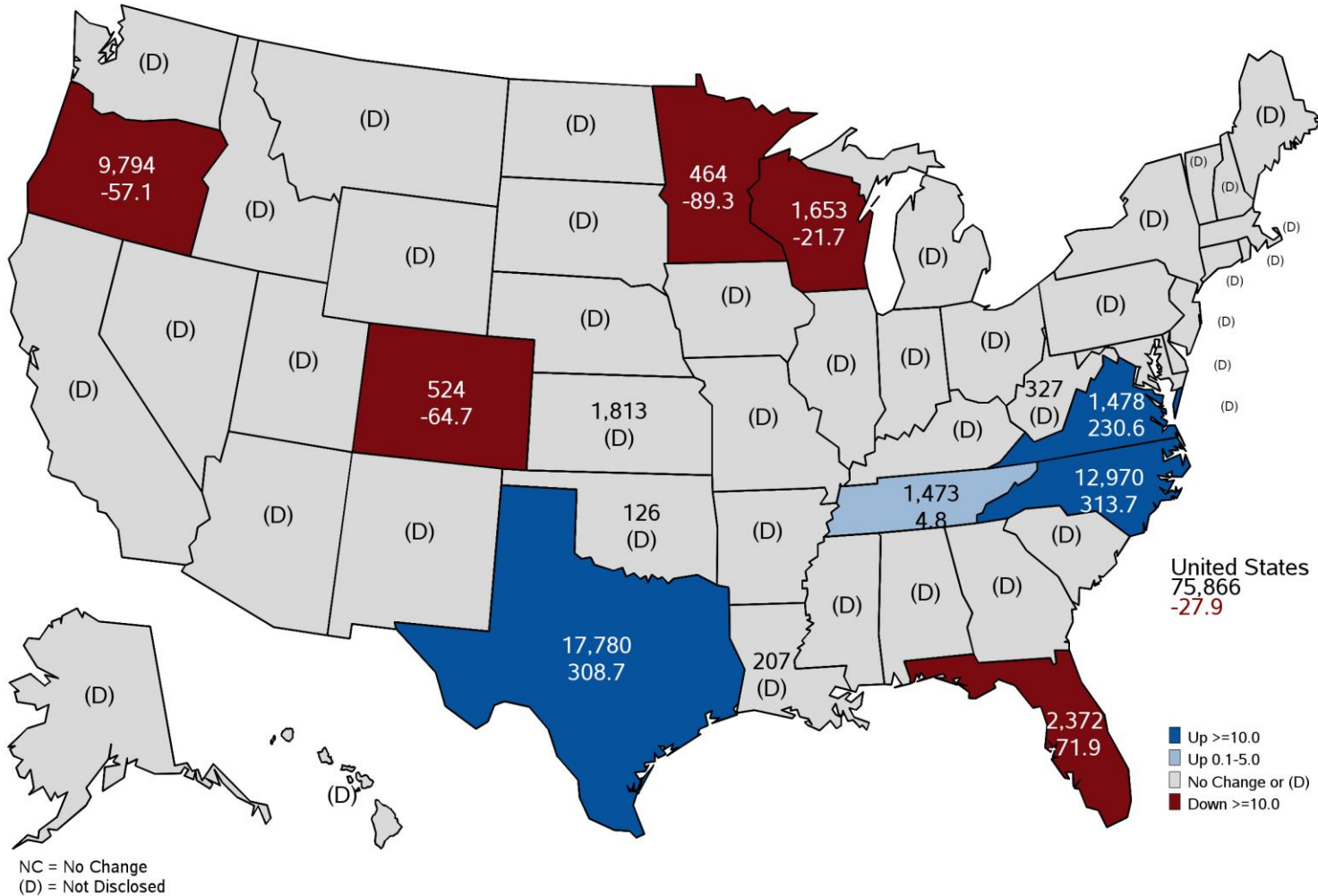
Floral Production - Grown Under Protection

	Total Production (Pounds)	Utilized Production (Pounds)	Harvested Not Sold (Pounds)
United States	75,866	52,330	23,536
% Change from Previous Season	↓ 27.9	↓ 34.1	↓ 8.8

	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	492.00	25,753	11
% Change from Previous Season	↑ 58.2	↑ 4.1	↓ 31.3

2023 Industrial Hemp Floral Production

Pounds Under Protection and Percent Change from Previous Year





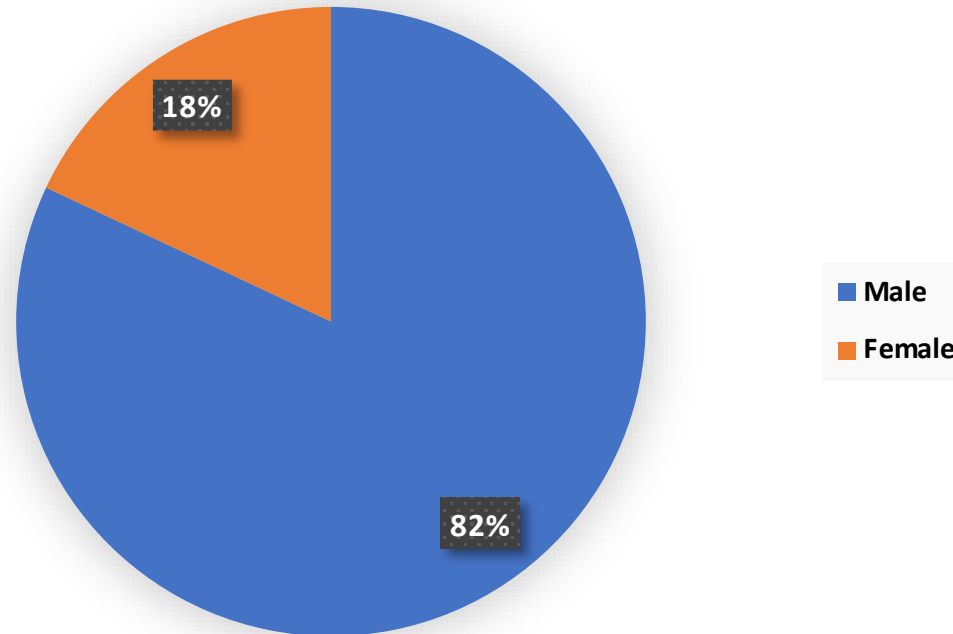
2023 Industrial Hemp

Seed Production - Grown Under Protection

	Total Production (Pounds)	Utilized Production (Pounds)	Harvested Not Sold (Pounds)
United States	1,236	950	286
% Change from Previous Season	↓ 44.5	↓ 54.7	↑ 116.7

	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
United States	6,580.00	6,251	18
% Change from Previous Season	↑ 62.5	↓ 26.3	↑ 1700.0

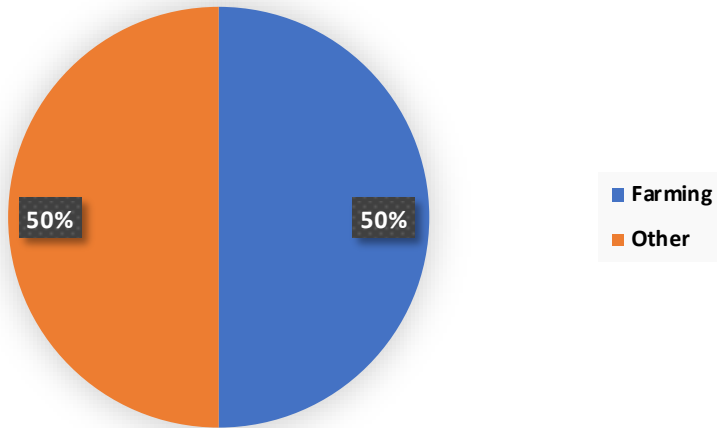
2023 Industrial Hemp Producer Characteristics - Sex



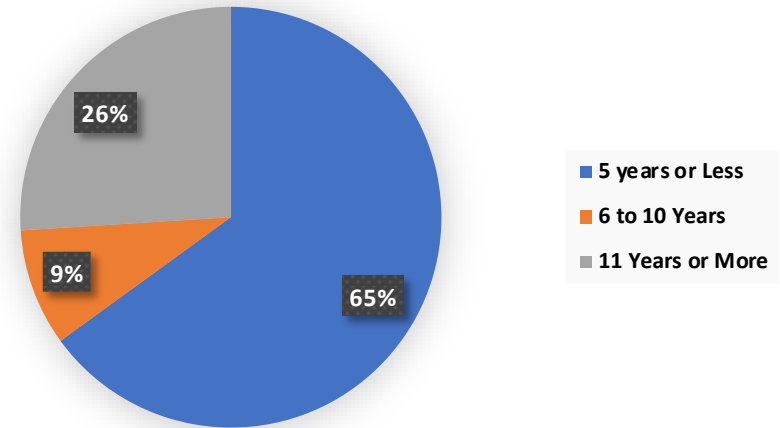
2023 Industrial Hemp

Producer Characteristics – Occupation & Years Operating

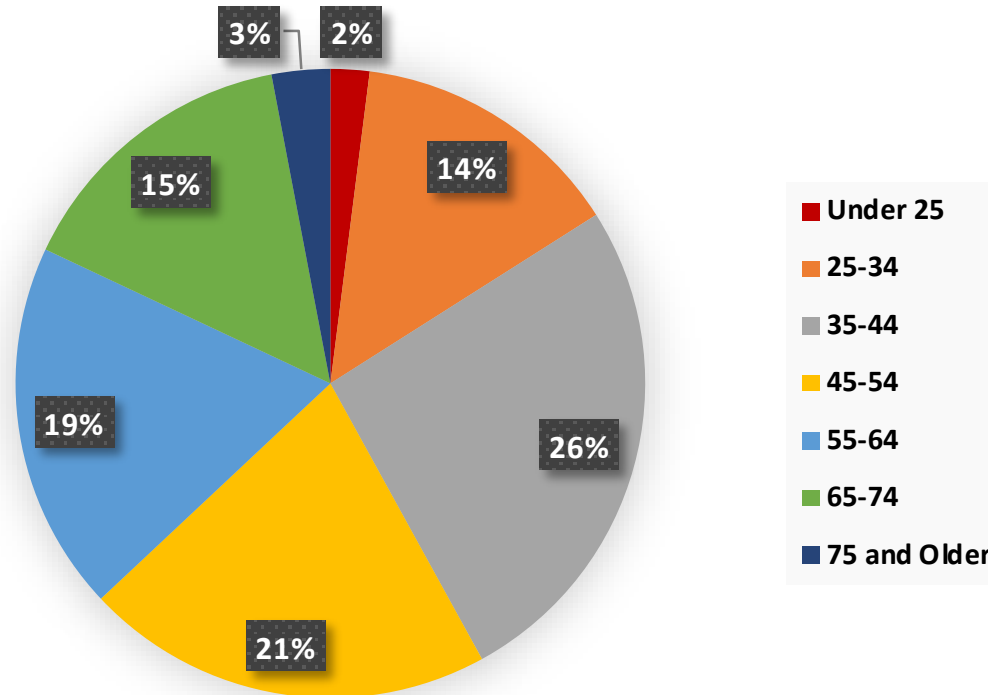
Primary Occupation



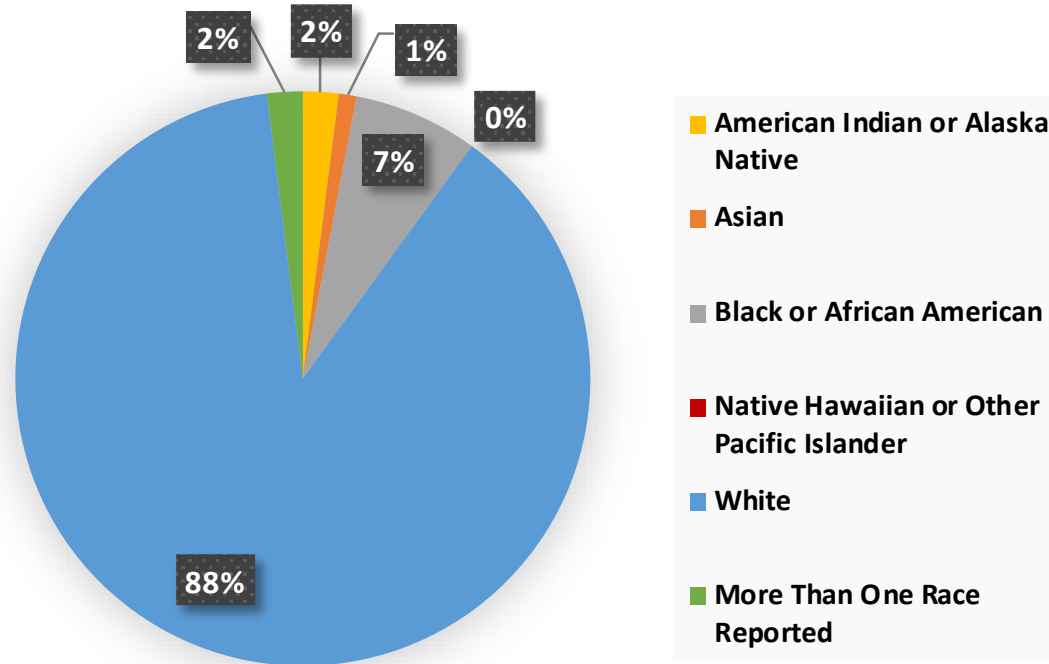
Years Operating Any Farm



2023 Industrial Hemp Producer Characteristics – Age Group



2023 Industrial Hemp Producer Characteristics – By Race





All Reports Available At

www.nass.usda.gov

For Questions

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