



**United States Department of Agriculture**  
**National Agricultural Statistics Service**



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# **National Hemp Report**

## **Agricultural Statistics Board Briefing**

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**Crops Branch**

April 17, 2024

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.

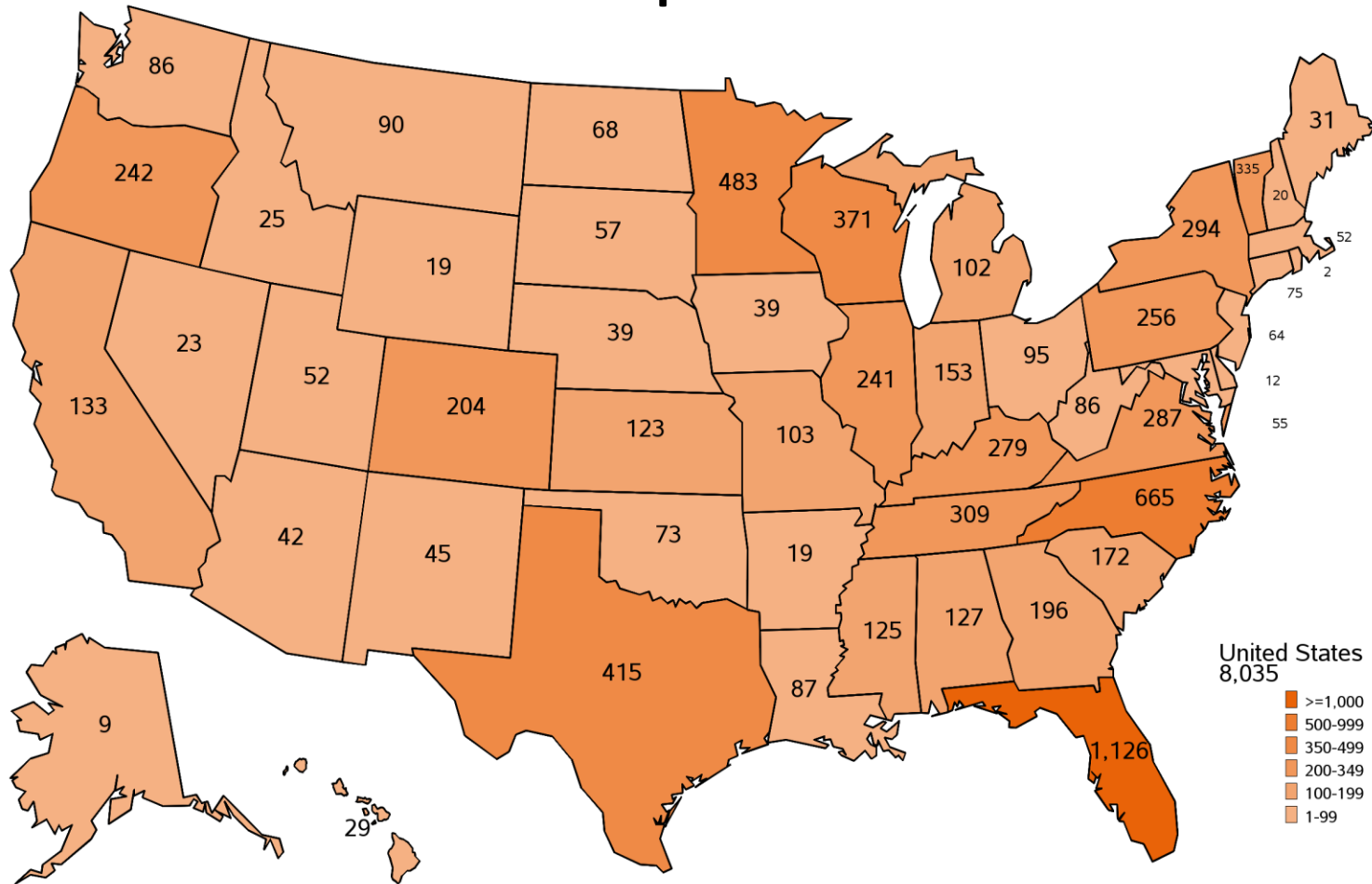
The Domestic Hemp Production Program, established in the 2018 Farm Bill and administered by AMS, allows for the cultivation of hemp under certain conditions.

# Data Sources

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

# Hemp Acreage and Production Survey

## Sample Sizes

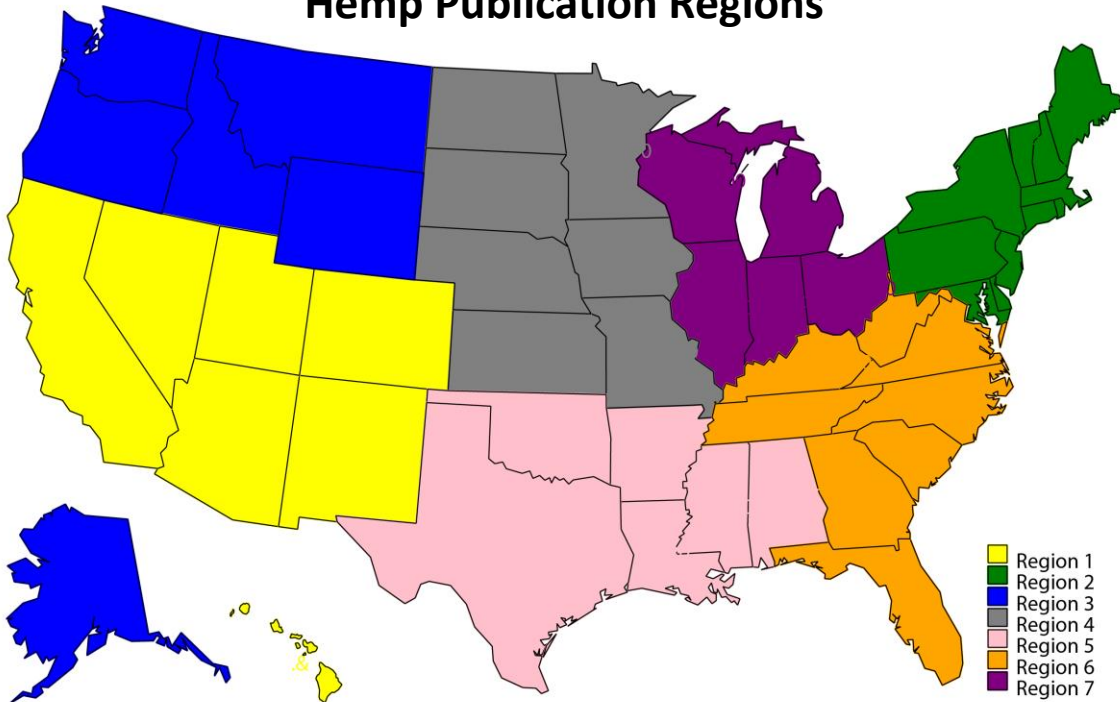


# Publication Levels

Levels of Publication

U.S., Region, State

Hemp Publication Regions



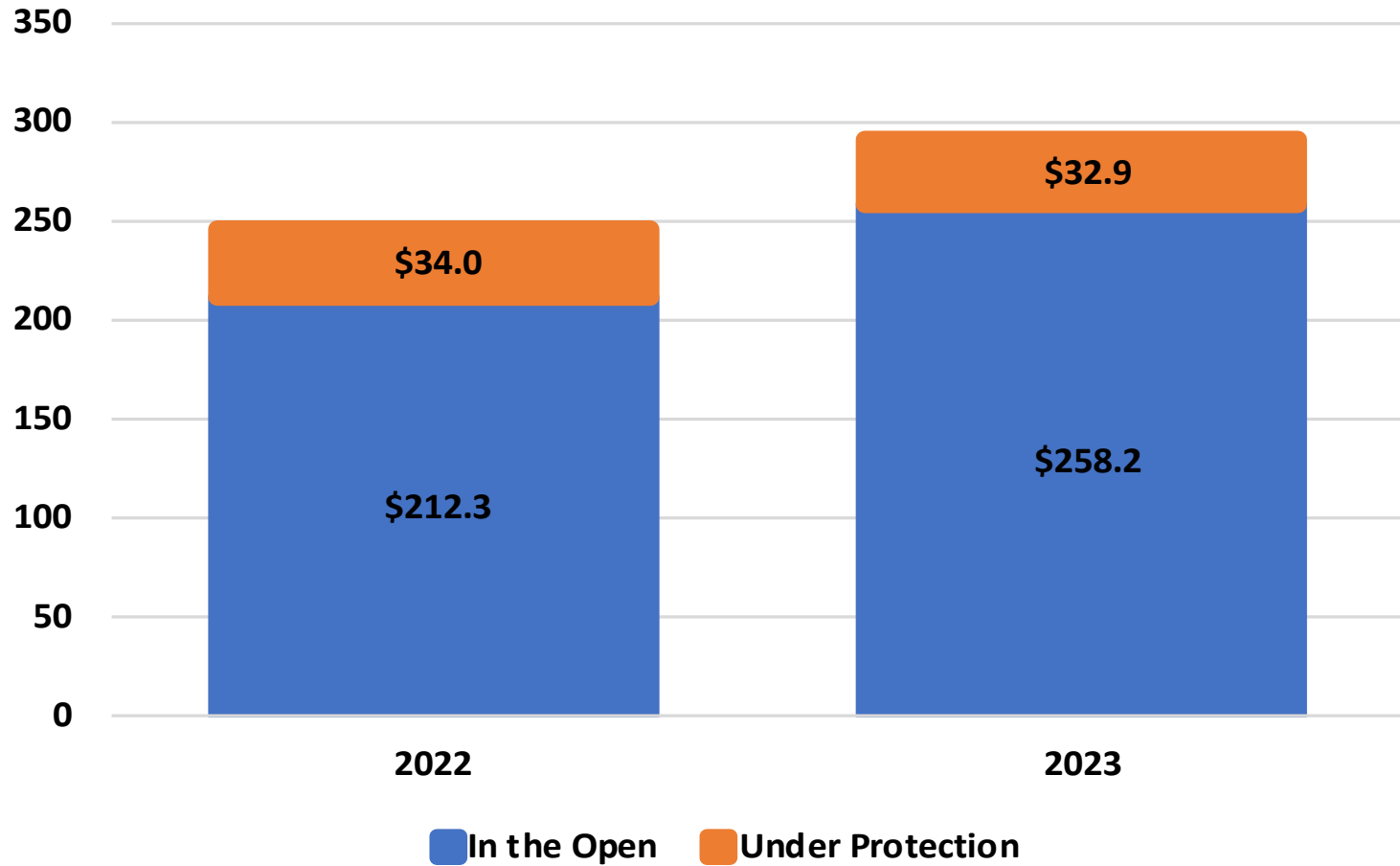
## Count of Published Items by Level

U.S.	149
Region	24
State	429



# 2023 Industrial Hemp Value of All Utilized Production

Million Dollars





# 2023 Industrial Hemp

## Grown in the Open

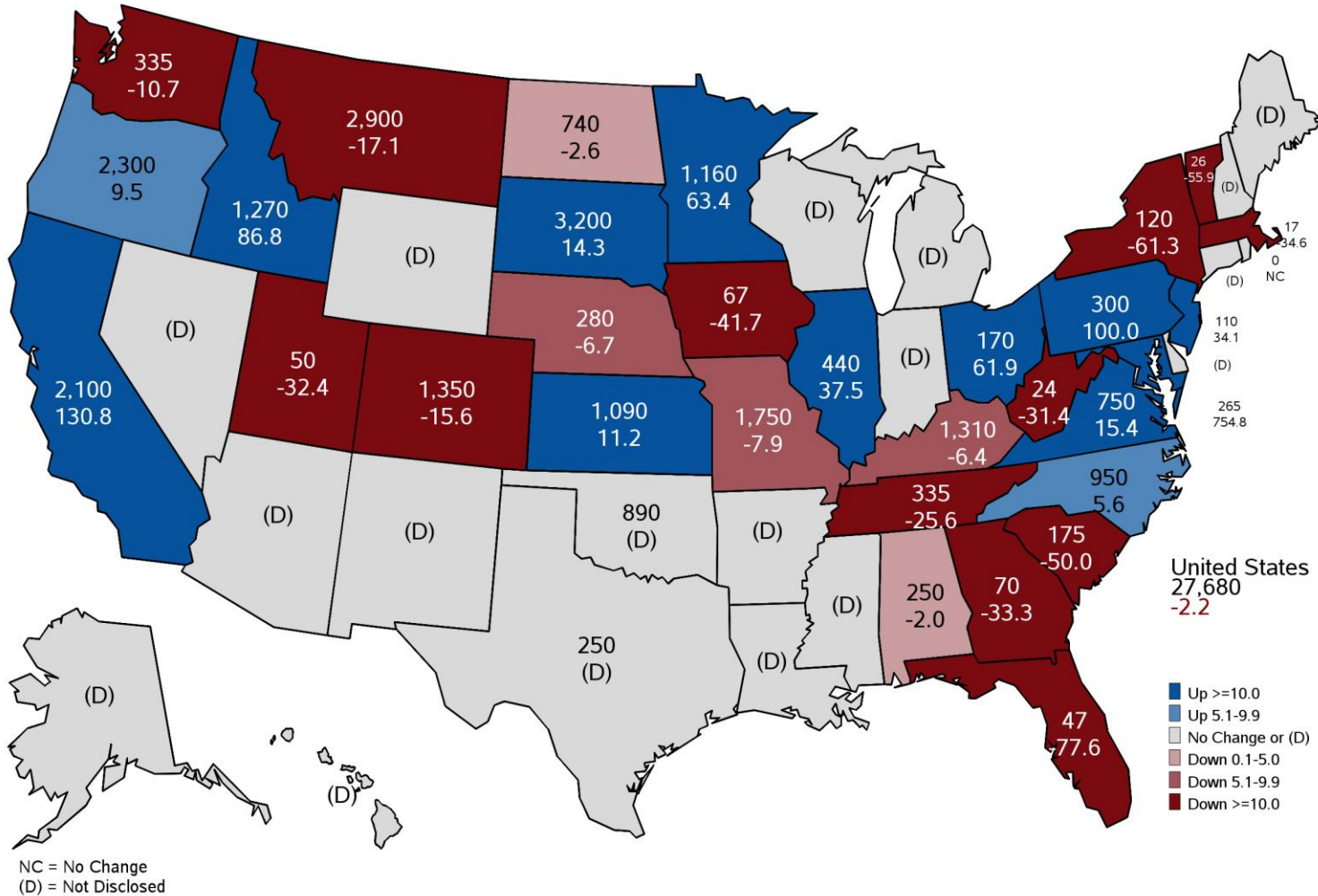
	Planted (Acres)	Harvested (Acres)	Value of Utilized Production (1,000 Dollars)
<b>United States</b>	<b>27,680</b>	<b>21,079</b>	<b>258,176</b>
% Change from Previous Season	↓ 2.2	↑ 15.5	↑ 21.6

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)
<b>United States</b>	<b>7,383</b>	<b>1,088</b>	<b>8,030</b>	<b>7,643</b>
% 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

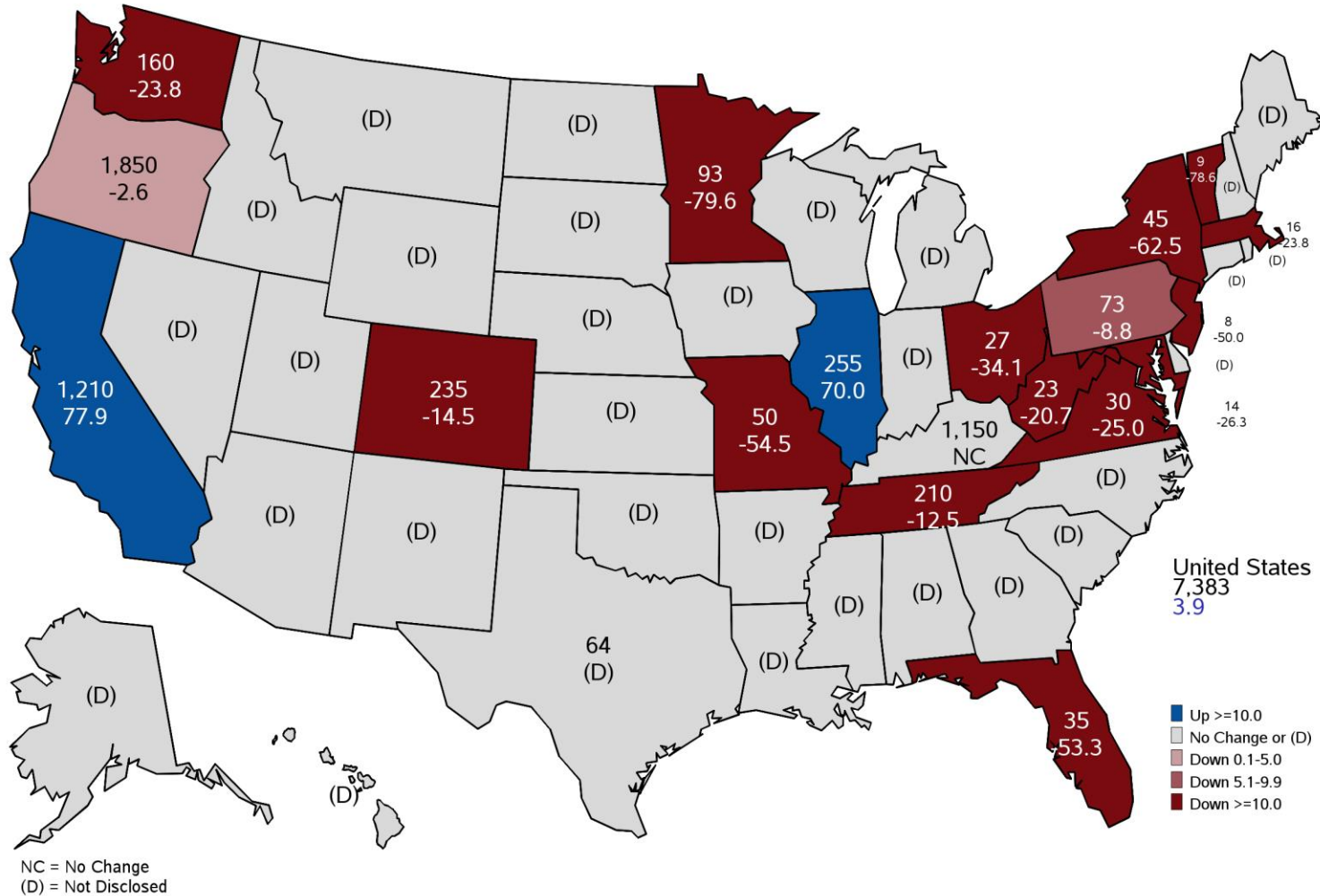


	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
<b>United States</b>	<b>387</b>	<b>31.60</b>	<b>241,375</b>	<b>26</b>
% Change from Previous Season	↓ 39.6	↑ 8.6	↑ 34.9	↓ 16.1

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)
<b>United States</b>	<b>3,986</b>	<b>779</b>	<b>3,106</b>	<b>3,016</b>
% 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)
<b>United States</b>	<b>90</b>	<b>0.77</b>	<b>2,313</b>	<b>36</b>
% 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)
<b>United States</b>	<b>12,106</b>	<b>4,053</b>	<b>49,064</b>	<b>46,252</b>
% 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

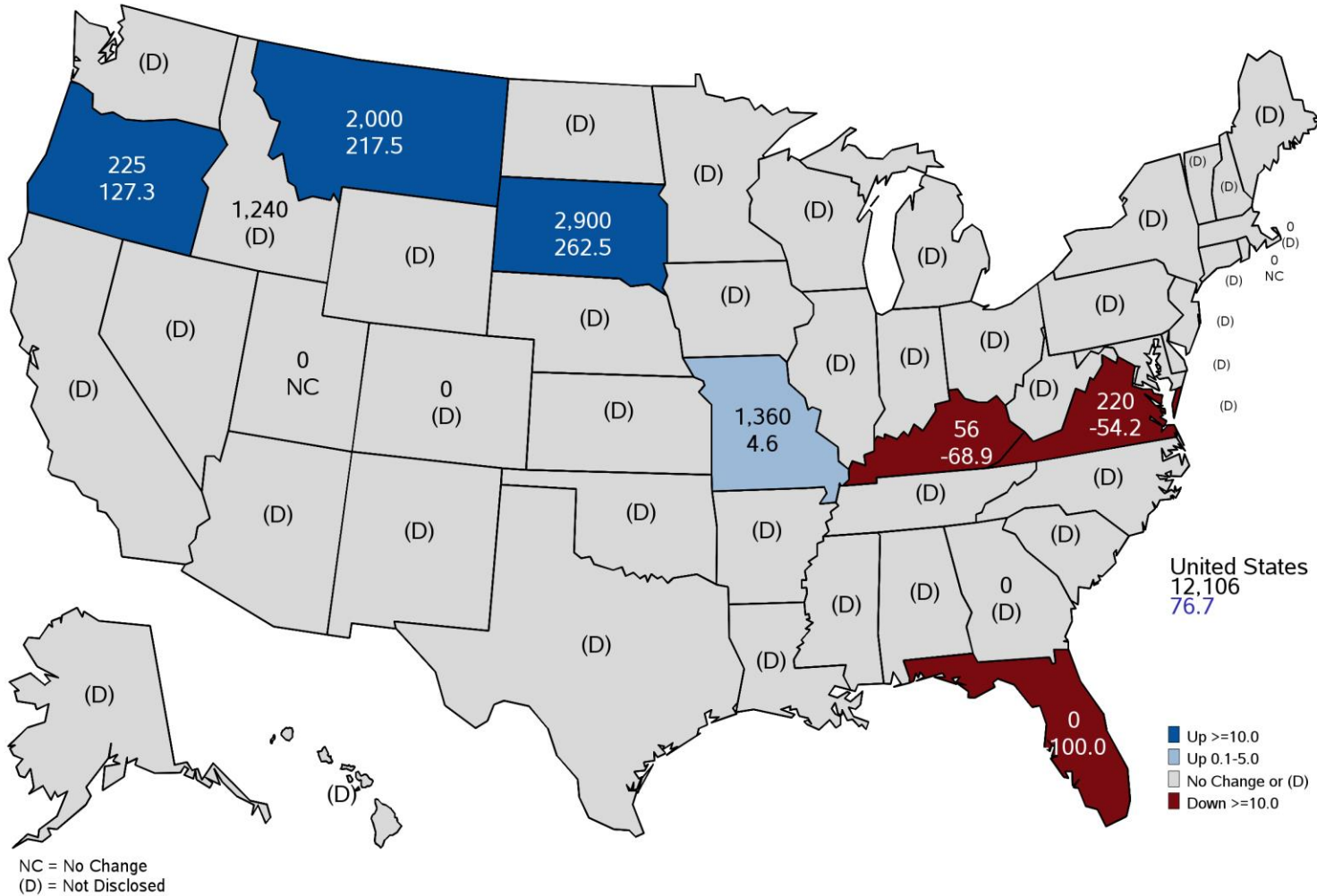
	Harvested Not Sold (1,000 Pounds)	Price (Dollars Per Pound)	Value of Utilized Production (1,000 Dollars)	Under Contract (Percent)
<b>United States</b>	<b>2,812</b>	<b>0.25</b>	<b>11,577</b>	<b>38</b>
% Change from Previous Season	↑ 477.4	↓ 81.9	↓ 59.1	↓ 2.6

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)
<b>United States</b>	<b>1,344</b>	<b>559</b>	<b>751</b>	<b>726</b>
% 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)
<b>United States</b>	<b>25</b>	<b>4.01</b>	<b>2,911</b>	<b>83</b>
% Change from Previous Season	↑ 92.3	↓ 64.2	↑ 96.2	↑ 260.9



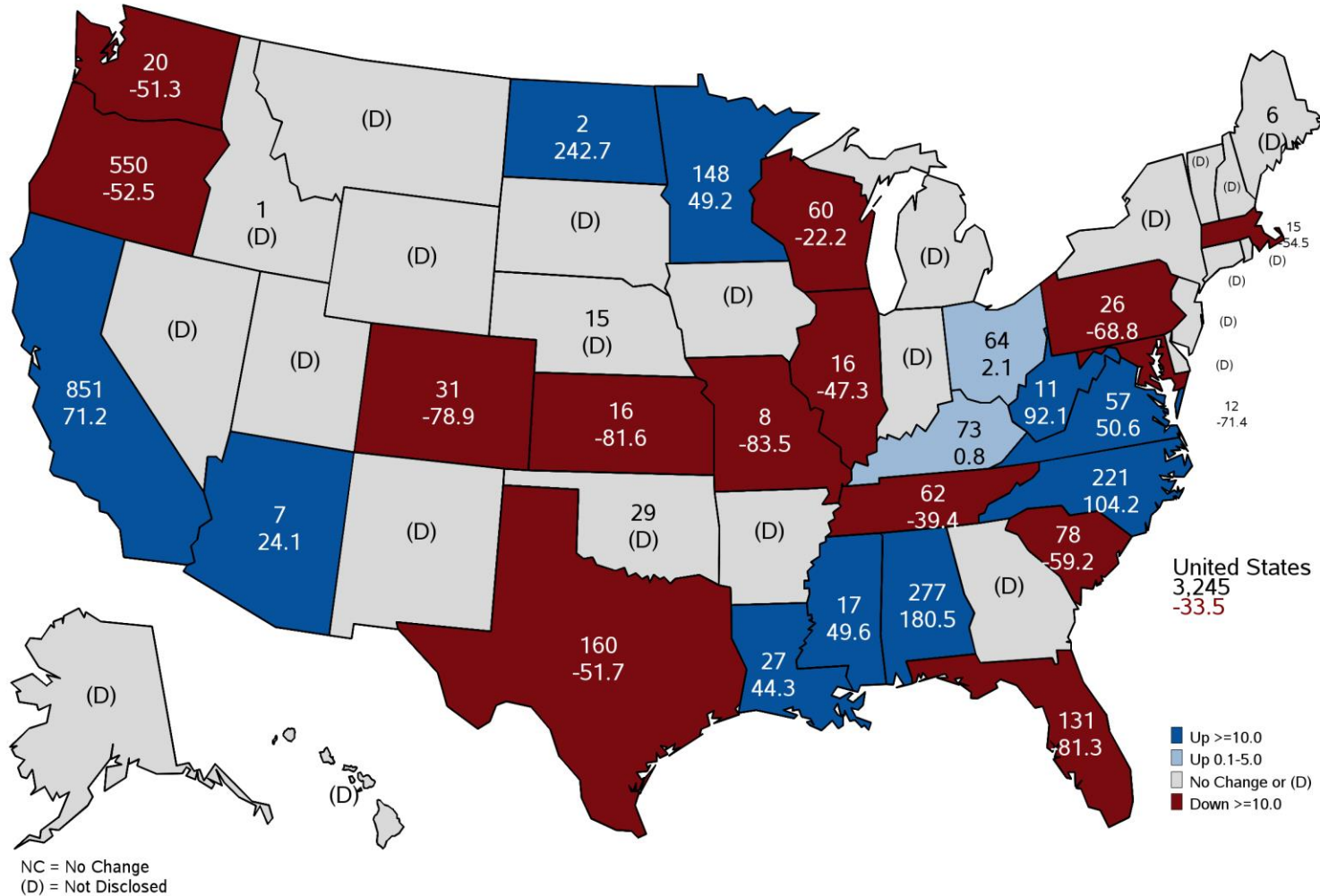
# 2023 Industrial Hemp Grown Under Protection

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

Top 5 States				
	Area in Production (Square Feet)		Value of Utilized Production (1,000 Dollars)	% Δ PY
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

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

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



# 2023 Industrial Hemp

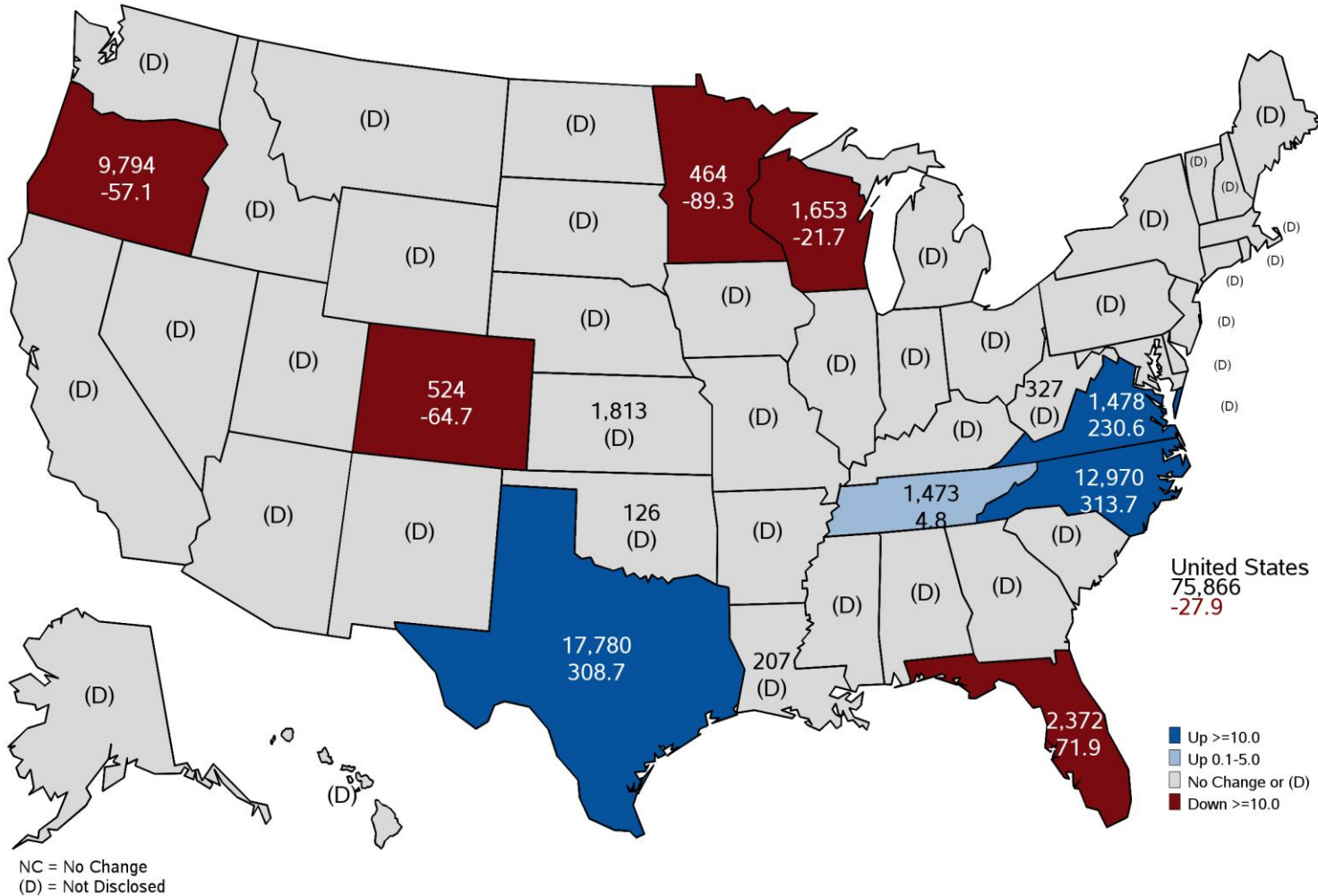
## Floral Production - Grown Under Protection

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

	<b>Price</b> (Dollars Per Pound)	<b>Value of Utilized Production</b> (1,000 Dollars)	<b>Under Contract</b> (Percent)
<b>United States</b>	<b>492.00</b>	<b>25,753</b>	<b>11</b>
% 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

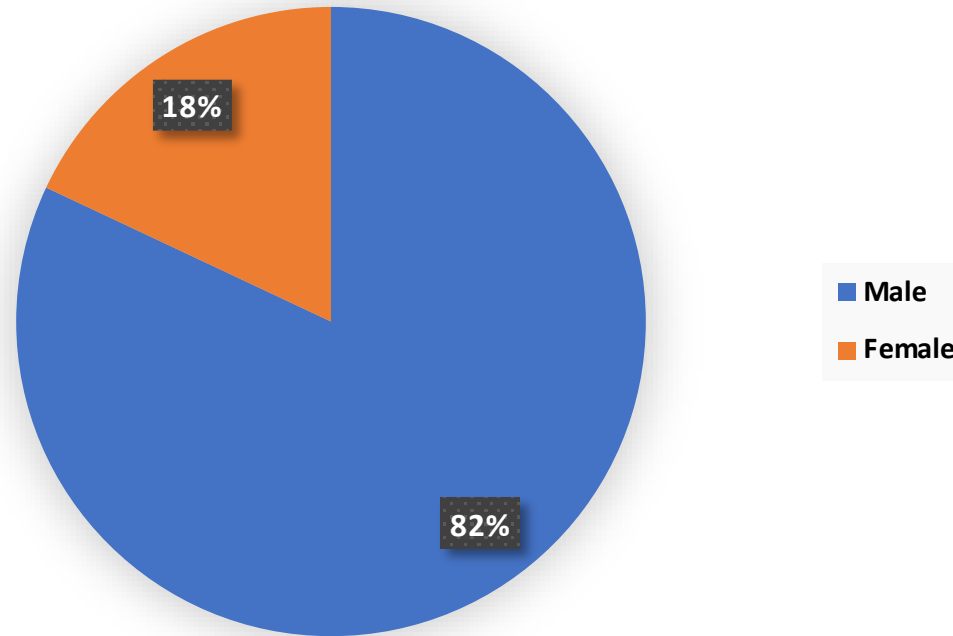
## Seed Production - Grown Under Protection

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

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



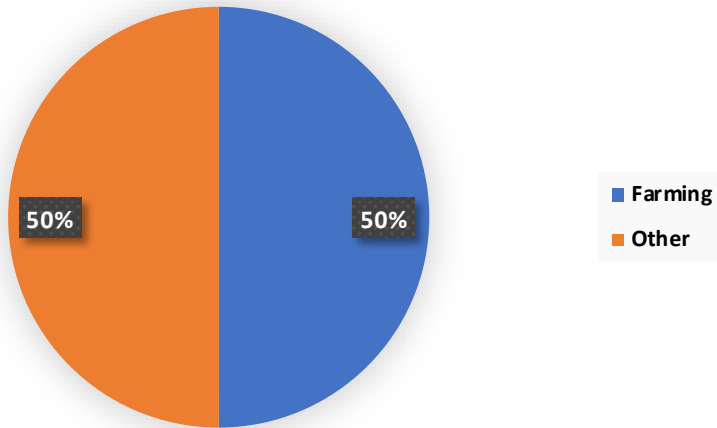
# 2023 Industrial Hemp Producer Characteristics - Sex



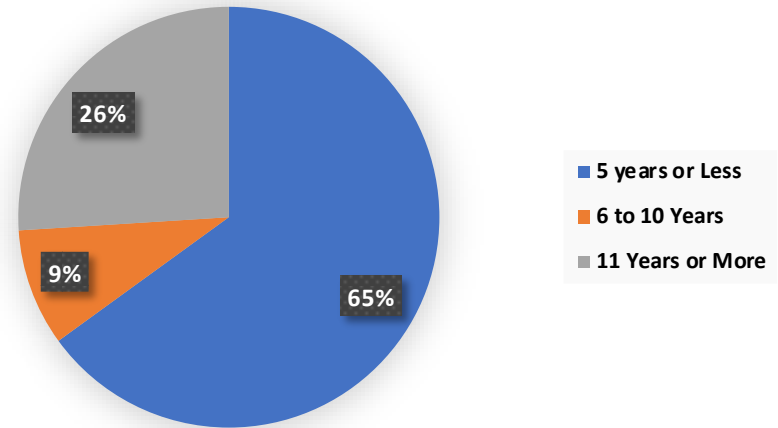
# 2023 Industrial Hemp

## Producer Characteristics – Occupation & Years Operating

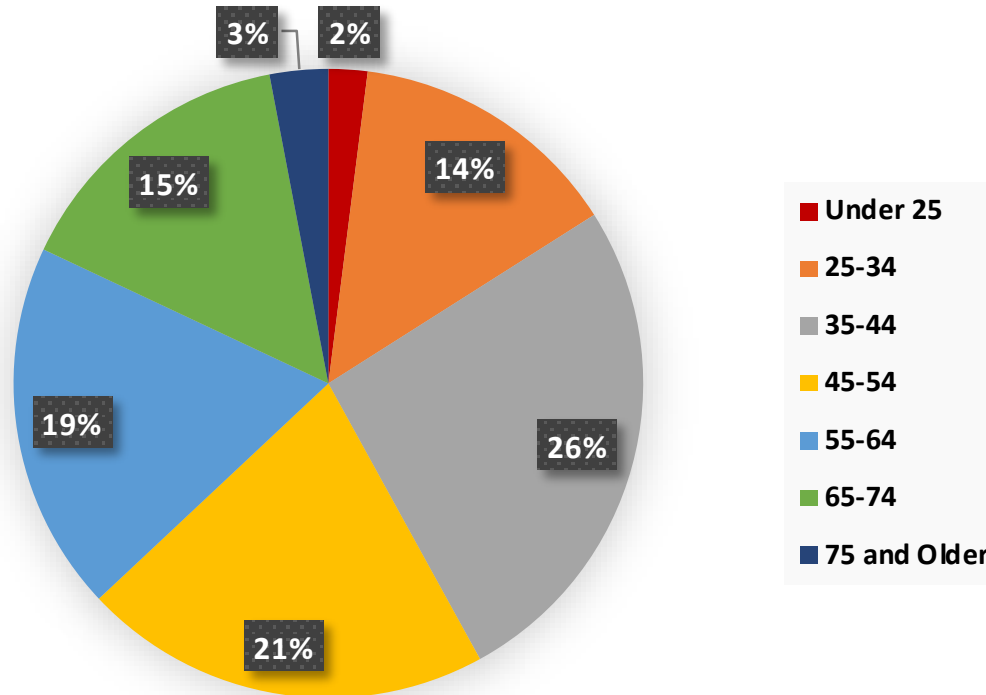
### Primary Occupation



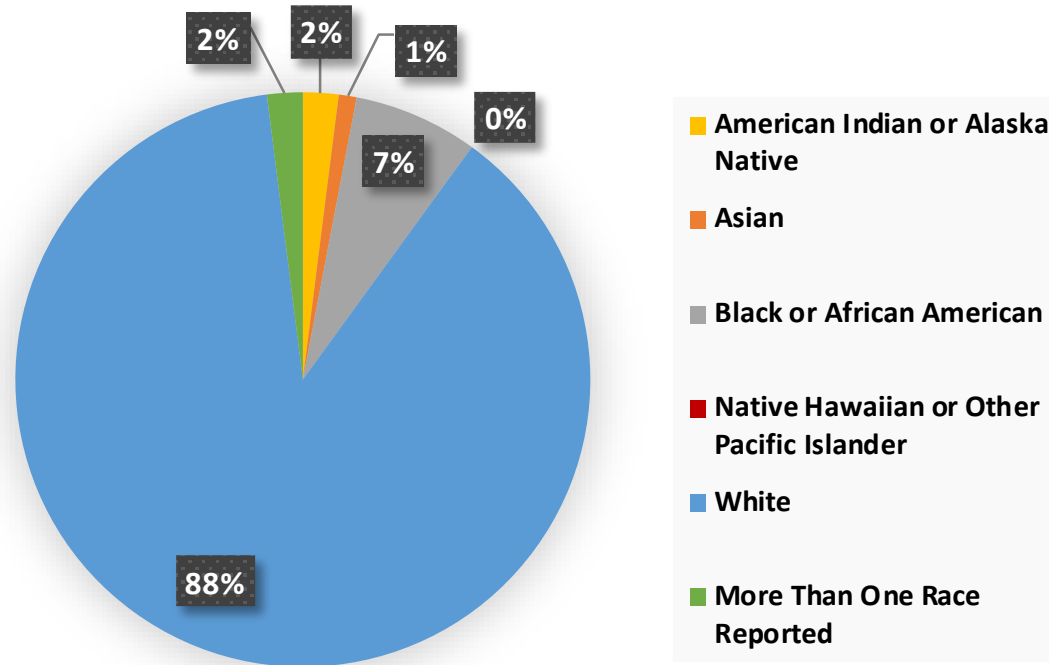
### Years Operating Any Farm



# 2023 Industrial Hemp Producer Characteristics – Age Group



# 2023 Industrial Hemp Producer Characteristics – By Race





**All Reports Available At**

**[www.nass.usda.gov](http://www.nass.usda.gov)**

**For Questions**

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