



# IS HEMP DEAD?????

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## IT DEPENDS

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# HEMP VALUE 2021 AND 2022

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	2021	2022
<b>Industrial Hemp Value</b>	<b>\$824 Million</b>	<b>\$238 Million</b>
<b>Industrial Hemp in the Open Value</b>	<b>\$712 Million</b>	<b>\$212 Million</b>
<b>Industrial Hemp Under Protection Value</b>	<b>\$112 Million</b>	<b>\$26.1 Million</b>

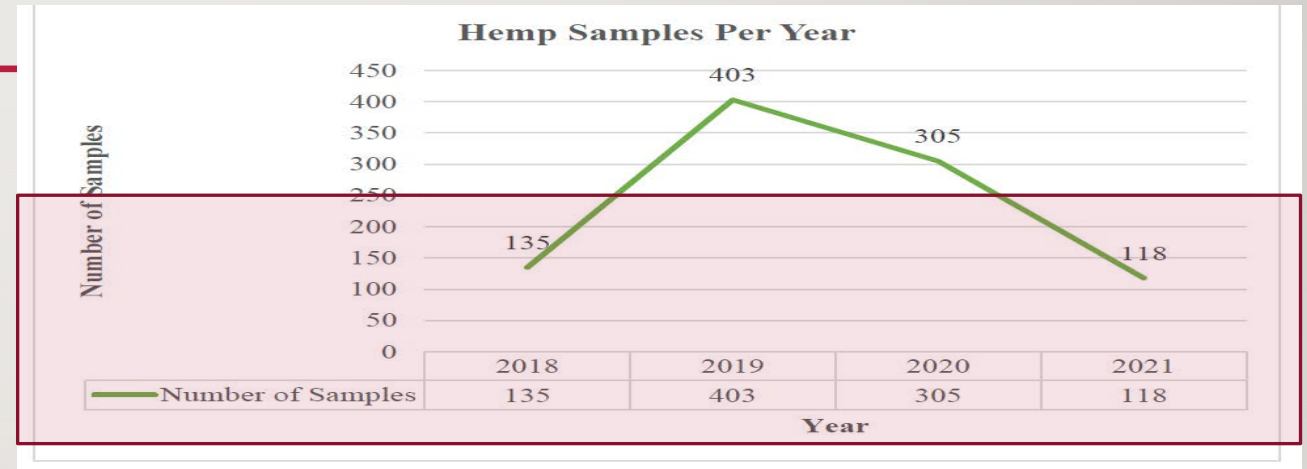
## National Hemp Report

Released February 17, 2022, by the National Agricultural Statistics Service (NASS), Agricultural Statistics Board, United States Department of Agriculture (USDA)



# IN NEVADA

2brosfarms Corp	Pahrump	<a href="mailto:erniejackson1973@gmail.com">erniejackson1973@gmail.com</a>	Nye
3d Farms LLC	Reno	<a href="mailto:3dfarmscali@gmail.com">3dfarmscali@gmail.com</a>	Washoe
A&M Farms LLC	Las Vegas	<a href="mailto:avatar690@gmail.com">avatar690@gmail.com</a>	Nye
ABC Recycling Industries	Las Vegas	<a href="mailto:rf702@yahoo.com">rf702@yahoo.com</a>	Nye
ADMAY Consulting LLC	Las Vegas	<a href="mailto:adam.drell@gmail.com">adam.drell@gmail.com</a>	Nye
ADMAY Consulting LLC	Las Vegas	<a href="mailto:adam.drell@gmail.com">adam.drell@gmail.com</a>	Nye
Agrivative Inc	Moapa	<a href="mailto:chris@agrivative.com">chris@agrivative.com</a>	Clark
Agrivative Inc	Moapa	<a href="mailto:chris@agrivative.com">chris@agrivative.com</a>	Clark
Agrivative Inc	Moapa	<a href="mailto:chris@agrivative.com">chris@agrivative.com</a>	Lincoln
Agrivative Inc, (Rainbow Canyon)	Moapa	<a href="mailto:chris@agrivative.com">chris@agrivative.com</a> <a href="mailto:jeffgormley31@yahoo.com">jeffgormley31@yahoo.com</a>	Lincoln



THERE WERE 201 RECORDED BY NDA FOR 2019 HOWEVER SOME FARMS HAD 2 TO 6 CERTIFICATES AS THEY NEEDED ONE FOR EVERY GROWING AREA (ON DIFFERENT PROPERTIES)

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# IN NEVADA

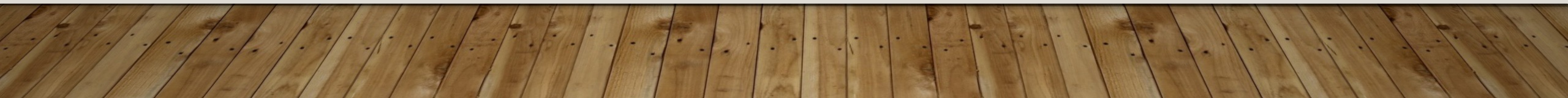
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The Nevada Hemp Production Table below reflects the number of certificates issued as well as the certified acres and square footage throughout each production year.

## **State of Nevada Statistics**

2016 Certified Growers=	11
2017 Certified Growers=	26
2018 Certified Growers=	115
2019 Certified Growers=	213
2020 Certified Growers=	116
2021 Certified Growers=	61
2022 Certified Growers=	13
2023 Certified Growers	3 (as of February 2023)

Nevada Hemp Certificate Holders 2023 – February Plant Division NDA



# DATA ANALYSIS: HEMP SAMPLE RESULTS

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- The quantity of hemp samples collected in Nevada annually has demonstrated a declining trend since 2019. The NDA collected a total of 118 hemp samples in 2021, a 61% decrease from the 305 hemp samples collected in 2020. Furthermore, the 118 hemp samples of 2021 reflect a 70.7% decrease from the 403 hemp samples collected in 2019. NDA inspectors reported complaints from Nevada's hemp growers. Many hemp growers indicated general difficulty acquiring the necessary labor to manage their fields, challenges recovering financially from the impacts of COVID-19, and difficulty selling crop material from previous years.

## FIGURE 2: HEMP SAMPLES PER YEAR

**Figure 5: 2021 hemp varieties with negligent samples**

Negligent variety	Total potential THC
Stormy Daniels	1.225
Hot Blonde	1.532
Cherry Wine	3.015
Supreme	1.832
Zeppelin	1.437
Hula Girl	2.174
Purple Lift	1.447
Sour Apple	1.008



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- Of the 118 hemp samples collected in 2021, 24 samples tested above the THC compliance standard. The non-compliant samples equated to a crop failure rate of 20% of Nevada hemp crops in 2021, which is an increased failure rate from the 7.9% failure rate recorded for Nevada's 2020 hemp crops. Figure 2 reflects samples collected by the NDA and the associated total THC results of that sample.

- Questions on the Nevada hemp program or this report can be directed to any NDA hemp program staff.





# CONCLUSIONS

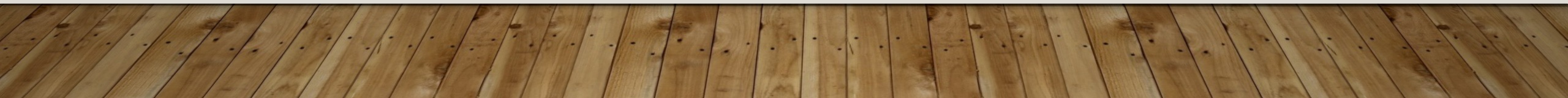
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- NO, HEMP IS NOT DEAD IN NEVADA OR COUNTRYWIDE.
- YES, WE'VE LOST HEMP GROWERS.
- WHERE POSSIBLE, GROWERS ARE MOVING TO THC PRODUCTION, WHICH IS WHERE THE MONEY IS.
- WE STILL NEED SUPPORT AND COOPERATION FROM STATE DEPARTMENTS OF AGRICULTURE AND FROM OTHER GOVERNMENTAL AGENCIES.
- RESEARCH NEEDS TO HAVE SUPPORT OF UNIVERSITIES AND REGULATORY AGENCIES; STOP TREATING RESEARCH GROWING AS IF PRODUCT IS BEING PRODUCED FOR SALE.
- WORK TOGETHER WITH OTHER FARMERS.

# RECOMMENDATIONS

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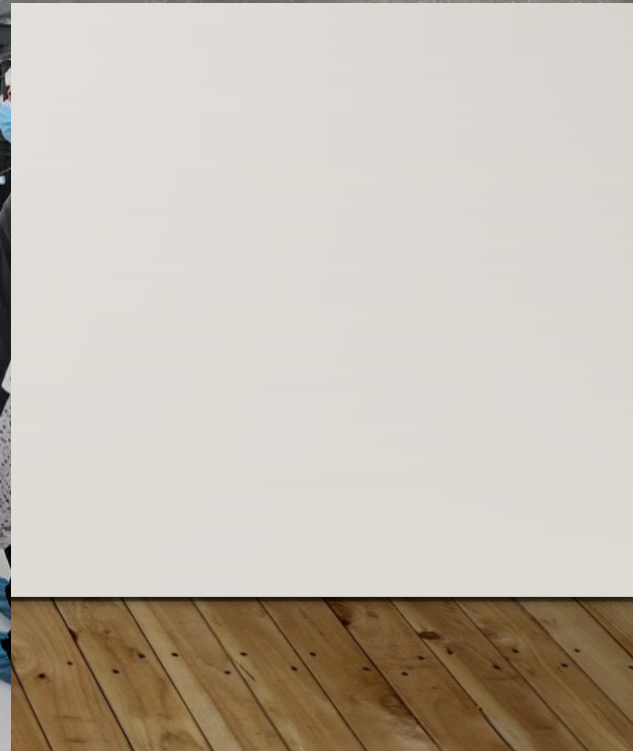
- REMEMBER CBD IS NOT THE ONLY HEMP PRODUCT.
- WE NEED TO EXPAND FIBER AND GRAIN PRODUCTION AND PROCESSING FACILITIES.
- LOOK FOR NICHE AREAS OF PRODUCTION.
- SUPPORT LOCAL STATE AND NATIONAL ORGANIZATIONS AND OTHER GROUPS THAT ARE PROMOTING THE EXPANSION OF HEMP GROWN FOR FOOD AND FIBER.
- REMEMBER FARMING IS FARMING. IT IS HARD WORK, NOT A GET-RICH-QUICK SCHEME.













# HEMP VS FOREST NBS

6/26/23

AN ACRE OF HEMP  
ABSORBS UP TO

10

TONS OF CO<sub>2</sub> IN  
A YEAR

5 MONTHS, SEED TO HARVEST  
IMMEDIATE BENEFITS

OVER 40 YEARS, AN ACRE  
OF HEMP ABSORBS

400

TONS OF CO<sub>2</sub>



2 crops of hemp  
per year is possible  
in hot climates!



Hemp is highly  
profitable, with  
150% ROI.



Hemp can be  
processed into  
25,000 products.



Hemp needs  
50% less water  
than most crops.



Hemp does  
not require  
pesticides.



Hemp thrives  
on marginal  
land.



AN ACRE OF NEW FOREST  
ABSORBS APPROX.

2.5

TONS OF CO<sub>2</sub> IN  
A YEAR

BUT IT CAN TAKE 30-40 YEARS  
TO SEE NET BENEFITS

OVER 40 YEARS, AN ACRE  
OF FOREST ABSORBS

100

TONS OF CO<sub>2</sub>

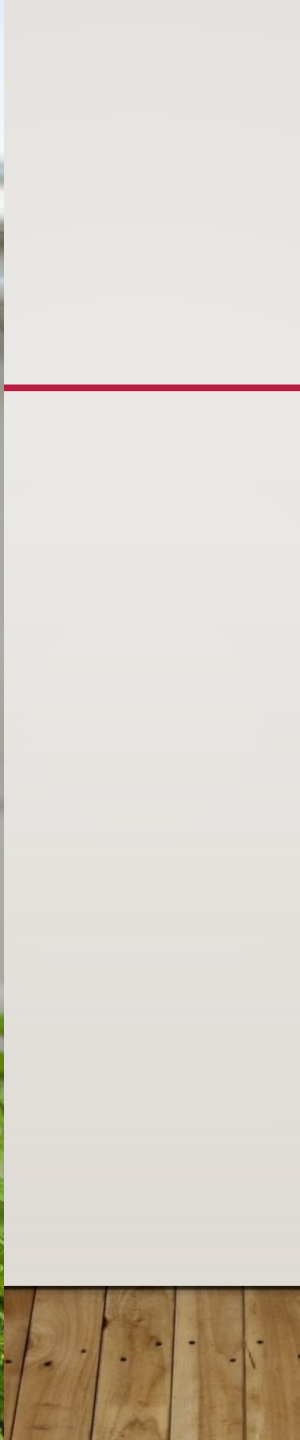


Hempoffset is carbon neutral made easy

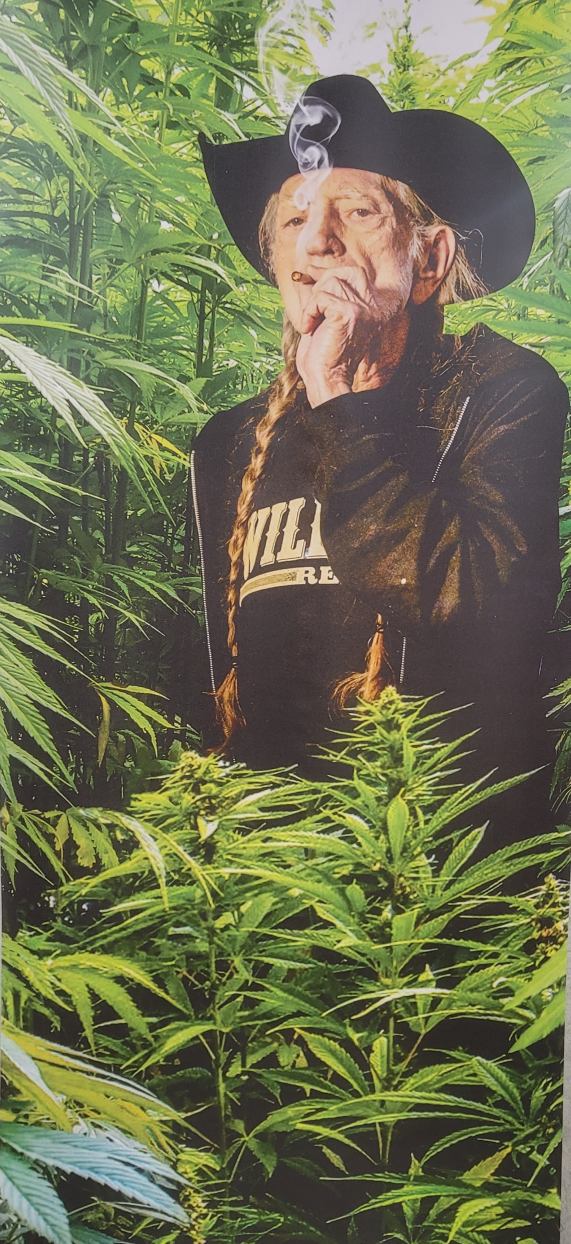
Learn more about hemp carbon offset and how we will stop climate change with the power of hemp.  
Opportunities for consumers, growers, makers, sellers and shoppers.  
[www.hempoffset.com](http://www.hempoffset.com) / [hello@hempoffset.com](mailto:hello@hempoffset.com)

VARIETIES GROWN FOR SEED WILL SEQUESTER AROUND 6 TONS OF CO<sub>2</sub> PER ACRE IN A SINGLE GROWING SEASON. HIGH-FIBRER VARIETIES WILL SEQUESTER AROUND 10 TONS OF CO<sub>2</sub> PER ACRE IN A SINGLE GROWING SEASON. IN HOT COUNTRIES, THREE CROPS PER YEAR ARE POSSIBLE.









THANKS FOR  
LISTENING!



EXTENSION  
College of Agriculture,  
Biotechnology & Natural Resources



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