

HEMP ACREAGE AND PRODUCTION SURVEY - November 1, 2021

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**United States
Department of
Agriculture**



**NATIONAL
AGRICULTURAL
STATISTICS
SERVICE**

USDA/NASS

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Please make corrections to name, address, and ZIP Code, if necessary.

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	FIPS	POID	Tract	Subtr.
Office Use Only	_____	_____	_____	_____

1. Please verify the name and mailing address of this operation.
Make corrections (including the correct operation name) on the label and continue.

2. During any time in 2021, did this operation grow hemp for any purpose?

100 ☐₁ Yes - Continue

☐₃ No - Skip to page 16

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Section 1 - Hemp Harvested from Open Fields

1. In 2021, did you or will you plant or seed hemp outdoors in open fields?

101 ☐ Yes - Continue

☐ No - Skip to page 9 for hemp planted or seeded in greenhouses, nurseries, hoop houses, tunnels, indoors with climate and/light control, or other protection.

2. In 2021, on how many acres did you **plant** hemp in open fields? INCLUDE seeds, plants, transplants, or clones. INCLUDE acres that were not harvested (including destroyed or abandoned).

☐ One or more acres:

of Acres

102

Note: Report to the nearest whole acre.

☐ Less than an acre:

Which of the following is closest to your acreage?

103 ☐ About one acre

☐ $\frac{3}{4}$ acre

☐ $\frac{1}{2}$ acre

☐ $\frac{1}{4}$ acre

3. In 2021, how many acres of hemp were **harvested** from open fields?

☐ One or more acres:

of Acres

104

Note: Report to the nearest whole acre.

☐ Less than an acre:

Which of the following is closest to your acreage?

105 ☐ About one acre

☐ $\frac{3}{4}$ acre

☐ $\frac{1}{2}$ acre

☐ $\frac{1}{4}$ acre

4. Which of the following hemp products and/or uses did you harvest from open fields? **Mark all that apply.**

After answering this question, please complete the pages listed for the applicable hemp crop. Each section should take between 2-5 minutes to complete.

- INCLUDE primary and secondary uses of your crop (for example, if you harvested for flower and sold the hemp stalks for fiber, choose "hemp flower" and "hemp fiber" below).
- Do NOT INCLUDE anything grown in a greenhouse, a nursery, indoors with climate control, a hoop house, or tunnel; those products are reported starting on Page 9.

106 ☐ Hemp flower for human consumption, such as:

Page 4

- Smokable hemp
- The extraction of cannabinoids (such as CBD, CBG, CBN, etc.) or terpenes, often used in oils, lotions, cleansers, bath products, and other nutraceutical or topical products

107 ☐ Hemp grain for human consumption, such as:

Page 5

- Crushed seed oil (not CBD oil), hemp hearts, protein supplements, or for other human consumption

108 ☐ Hemp fiber, used for:

Page 6

- Clothes, pressed plastics, ropes, animal bedding paper, bio fuel

109 ☐ Hemp seed to sell to others:

Page 7

Note: If seed harvested from greenhouses, nurseries, or other protection, report it on Page 12.

110 ☐ Other hemp, specify (111) _____

Page 8

Section 1 - Hemp Harvested from Open Fields (continued)

• Hemp Flower for Human Consumption

1. In 2021, how many acres of hemp flower did you harvest from open fields?

Note: If zero, go to the next applicable use of hemp that you harvested.

- ☐ One or more acres:

of Acres

112

Note: Report to the nearest whole acre.

- ☐ Less than an acre:

Which of the following is closest to your acreage?

113 ☐ About one acre

☐ $\frac{3}{4}$ acre

☐ $\frac{1}{2}$ acre

☐ $\frac{1}{4}$ acre

2. Please answer the following questions about processing you did for your 2021 hemp flower crop harvested from open fields.

- Answer "yes" to these items if you did any of these yourself, or if you paid someone to do so on your behalf.

a. Did you, or will you, dry your hemp flower crop prior to sale? This includes drying in the field, hang drying, machine drying, or any other type of drying to remove moisture from the plant. 114 ☐ Yes ☐ No

b. Did you, or will you, use a machine to remove your hemp flower from the stem prior to sale? This may be called "bucking," "de-budding," or "de-stemming." 115 ☐ Yes ☐ No

c. Did you, or will you, hand trim your hemp flower prior to sale? 116 ☐ Yes ☐ No

d. Did you, or will you, extract the cannabinoids and/or terpenes from your hemp prior to sale? 117 ☐ Yes ☐ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp flower in open fields in 2021?

118 ☐ I bought my own hemp seeds, plants, transplants, or clones.

☐ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐ Other, specify (119) _____

4. How many TOTAL pounds of hemp flower did you or will you harvest from open fields in 2021?

120

Pounds

5. Of the total pounds of hemp flower harvested (reported in Question 4 above) from open fields in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	121	122 \$. ____		123 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	124	125 \$. ____		126 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	127			

Section 1 - Hemp Harvested from Open Fields (continued)

• Hemp Grain for Human Consumption

1. In 2021, how many acres of hemp grain for human consumption did you harvest from open fields?

Note: If zero, go to the next applicable use of hemp that you harvested.

- ☐ One or more acres:

of Acres

128

Note: Report to the nearest whole acre.

- ☐ Less than an acre:

Which of the following is closest to your acreage?

129 ☐₁ About one acre

☐₂ $\frac{3}{4}$ acre

☐₃ $\frac{1}{2}$ acre

☐₄ $\frac{1}{4}$ acre

2. Please answer the following questions about processing you did for your 2021 hemp grain crop harvested from open fields.

- Answer "yes" to these items if you did any of these yourself, or if you paid someone to do so on your behalf.

a. Did you, or will you, dry your hemp grain crop prior to sale? This includes drying in the field, hang drying, machine drying, or any other type of drying to remove moisture from the plant. 130 ☐₁ Yes ☐₃ No

b. Did you, or will you, use a combine or other machine to remove your hemp grain from the plant, prior to sale? 131 ☐₁ Yes ☐₃ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp grain in open fields in 2021?

132 ☐₁ I bought my own hemp seeds, seedlings, plants, transplants, or clones.

☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐₃ Other, specify (133) _____

4. How many TOTAL pounds of hemp grain did you or will you harvest from open fields in 2021?

134

Pounds

5. Of the total pounds of hemp grain harvested (reported in Question 4 above) from open fields in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	135	136 \$. ____		137 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	138	139 \$. ____		140 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	141			

Section 1 - Hemp Harvested from Open Fields (continued)

• Hemp Fiber

1. In 2021, how many acres of hemp fiber did you harvest from open fields?

Note: If zero, go to the next applicable use of hemp that you harvested.

- ☐ One or more acres:

of Acres

142

Note: Report to the nearest whole acre.

- ☐ Less than an acre:

Which of the following is closest to your acreage?

143 ☐₁ About one acre

☐₂ $\frac{3}{4}$ acre

☐₃ $\frac{1}{2}$ acre

☐₄ $\frac{1}{4}$ acre

2. Please answer the following questions about processing you did for your 2021 hemp fiber crop harvested from open fields.

- Answer "yes" to these items if you did any of these yourself, or if you paid someone to do so on your behalf.

a. Did you, or will you, use a traditional retting process on your fiber prior to sale? 144 ☐₁ Yes ☐₃ No

b. Did you, or will you, store your hemp fiber under cover prior to sale? 145 ☐₁ Yes ☐₃ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp fiber in open fields in 2021?

146 ☐₁ I bought my own hemp seeds, plants, transplants, or clones.

☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐₃ Other, specify (147) _____

4. How many TOTAL pounds of hemp fiber did you or will you harvest from open fields in 2021?

148

Pounds

5. Of the total pounds of hemp fiber harvested (reported in Question 4 above) from open fields in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	149	150 \$. __ __		151 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	152	153 \$. __ __		154 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	155			

Section 1 - Hemp Harvested from Open Fields (continued)

• Hemp Seed to Sell to Others

1. In 2021, how many acres of hemp seed to sell to others did you harvest from open fields?

Note: If zero, go to the next applicable use of hemp that you harvested.

- ☐ One or more acres:

of Acres

156

Note: Report to the nearest whole acre.

- ☐ Less than an acre:

Which of the following is closest to your acreage?

157 ☐₁ About one acre

☐₂ $\frac{3}{4}$ acre

☐₃ $\frac{1}{2}$ acre

☐₄ $\frac{1}{4}$ acre

2. Did you, or will you, use a seed feminization process prior to sale?

158 ☐₁ Yes

☐₃ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp seed in open fields in 2021?

159 ☐₁ I bought my own hemp seeds, seedlings, plants, transplants, or clones.

☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐₃ Other, specify (160) _____

4. How many TOTAL pounds of hemp seed did you or will you harvest from open fields in 2021?

161

Pounds

5. Of the total pounds of hemp seed harvested (reported in Question 4 above) from open fields in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	162	163		164
		\$. ____		\$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	165	166		167
		\$. ____		\$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	168			

Section 1 - Hemp Harvested from Open Fields (continued)

• Hemp for Other Uses

1. In 2021, how many acres of hemp for other uses did you harvest from open fields?

Note: If zero, go to the next applicable use of hemp that you harvested.

- ☐ One or more acres:

of Acres

169

Note: Report to the nearest whole acre.

- ☐ Less than an acre:

Which of the following is closest to your acreage?

- 170 ☐₁ About one acre
☐₂ $\frac{3}{4}$ acre
☐₃ $\frac{1}{2}$ acre
☐₄ $\frac{1}{4}$ acre

2. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp for other uses in open fields in 2021?

171 ☐₁ I bought my own hemp seeds, plants, transplants, or clones.

☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐₃ Other, specify (172) _____

3. How many TOTAL pounds of hemp for other uses did you or will you harvest from open fields in 2021?

238

Pounds

4. Of the total pounds of hemp for other uses harvested (reported in Question 3 above) from open fields in 2021:

(Note: The total pounds reported below should add to the total reported in Question 3.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	173	174 \$. ____		175 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	176	177 \$. ____		178 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	179			

Section 2 - Hemp Under Protection

1. In 2021, did you or will you plant or seed hemp in a greenhouse, hoop house, low or high tunnel, indoors with climate and/or light control, or under any other protection?

In the rest of this section, we refer to this as “**under protection.**”

180 ☐₁ Yes - Continue

☐₃ No - Skip to page 15

2. In 2021, how many square feet were **seeded or planted** under protection, including square feet that were abandoned?

181 square feet

3. In 2021, how many square feet were **harvested** from under protection?

182 square feet

4. Which of the following hemp products and/or uses did you grow under protection? **Mark all that apply.**

After answering this question, please complete the pages listed for the applicable hemp crop. Each section should take between 2-5 minutes to complete.

- INCLUDE primary and secondary uses of your crop.
- Do NOT INCLUDE anything grown in outdoors in open fields; those products are reported on Page 3.

183 ☐₁ Hemp flower for human consumption, such as: Page 10

- Smokable hemp
- The extraction of cannabinoids (such as CBD, CBG, CBN, etc.) or terpenes, often used in oils, lotions, cleansers, bath products, and other nutraceutical or topical products

184 ☐₁ Hemp clones or transplants grown and sold to other growers (e.g., “propagation stock”) Page 11

185 ☐₁ Hemp seed to sell to other growers Page 12
Note: If you only harvested seed from open fields, report it on Page 6

186 ☐₁ Other hemp, specify (187) _____ Page 13

Section 2 - Hemp Under Protection (continued)

• Hemp Flower Harvested

1. In 2021, how many square feet of hemp flower did you harvest from under protection?

Note: If zero, go to the next applicable use of hemp that you harvested.

188

square feet

2. Please answer the following questions about processing you did for your 2021 hemp flower crop harvested from under protection.

- Answer "yes" to these items if you did any of these yourself, or if you paid someone to do so on your behalf.

a. Did you, or will you, dry your hemp flower crop prior to sale? This includes hang drying, machine drying, or any other type of drying to remove moisture from the plant. 189 ☐ Yes ☐ No

b. Did you, or will you, use a machine to remove your hemp flower from the stem prior to sale? This may be called "bucking," "de-budding," or "de-stemming." 190 ☐ Yes ☐ No

c. Did you, or will you, hand trim your hemp flower prior to sale? 191 ☐ Yes ☐ No

d. Did you, or will you, extract the cannabinoids and/or terpenes from your hemp prior to sale? 192 ☐ Yes ☐ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp flower under protection in 2021.

193 ☐ I bought my own hemp seeds, seedlings, plants, transplants, or clones.

☐ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐ Other, specify (194) _____

4. How many TOTAL pounds of hemp flower did you or will you harvest from under protection in 2021:?

195

Pounds

5. Of the total pounds of hemp flower harvested (reported in Question 4 above) from under protection in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	196	197		198
		\$. ____		\$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	199	200		201
		\$. ____		\$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	202			

Section 2 - Hemp Under Protection (continued)

• Hemp Clones or Transplants Grown

1. In 2021, how many square feet of hemp clones or transplants (e.g., "propagation stock") did you grow under protection? Note: If zero, go to the next applicable use of hemp.

203	square feet
-----	-------------

2. Did you produce clones, transplants, or both?

- 204 ☐₁ Clones
☐₂ Transplants
☐₃ Both

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp clones and transplants under protection in 2021?

- 205 ☐₁ I bought my own hemp seeds, seedlings, plants, transplants, or clones.
☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.
☐₃ Other, specify (206) _____

4. How many TOTAL hemp clones and/or transplants did you or will you grow under protection in 2021?

207	Plants
-----	--------

5. Of the total hemp clones and transplants grown (reported in Question 4 above) under protection in 2021:

(Note: The total plants reported below should add to the total reported in Question 4.)

	Plants	Average Price per Plant (Dollars and cents)	OR	Total Dollars
a. How many plants have you sold as of today, and what is the price you received?	208	209 \$. ____		210 \$
b. How many plants do you expect to sell within the next year, and what is the price you reasonably expect to receive?	211	212 \$. ____		213 \$
c. How many plants have you grown that you expect will remain unsold for the next year or longer?	214			

Section 2 - Hemp Under Protection (continued)

• Hemp Seed to Sell to Others Harvested

1. In 2021, how many square feet of hemp seed to sell to others did you harvest under protection?

Note: If zero, go to the next applicable use of hemp that you harvested

215	square feet
-----	-------------

2. Did you, or will you, use a seed feminization process prior to sale?

216 ☐₁ Yes

☐₃ No

3. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp seed under protection in 2021?

217 ☐₁ I bought my own hemp seeds, seedlings, plants, transplants, or clones.

☐₂ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐₃ Other, specify (218) _____

4. How many TOTAL pounds of hemp seed did you or will you harvest under protection in 2021?

219	Pounds
-----	--------

5. Of the total hemp seed harvested (reported in Question 4 above) under protection in 2021:

(Note: The total pounds reported below should add to the total reported in Question 4.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	220	221 \$. __ __		222 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	223	224 \$. __ __		225 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	226			

Section 2 - Hemp Under Protection (continued)

- Other Hemp Harvested

1. In 2021, how many square feet of hemp for other uses did you harvest under protection?

Note: If zero, go to the next applicable use of hemp that you harvested.

227	square feet
-----	-------------

2. Which of these statements best describes how you acquired the seeds, plants, transplants, or clones that you used to grow hemp for other uses under protection in 2021?

228 ☐ I bought my own hemp for other uses seeds, seedlings, plants, transplants, or clones.

☐ My buyer or buyers provided me with the seeds, plants, transplants, or clones.

☐ Other, specify (229) _____

3. How many TOTAL pounds of hemp for other uses did you or will you harvest under protection in 2021?

230	Pounds
-----	--------

4. Of the total hemp for other uses harvested (reported in Question 3 above) under protection in 2021:

(Note: The total pounds reported below should add to the total reported in Question 3.)

	Pounds	Average Price per Pound (Dollars and cents)	OR	Total Dollars
a. How many pounds have you sold as of today, and what is the price you received?	231	232 \$. ____		233 \$
b. How many pounds do you expect to sell within the next year, and what is the price you reasonably expect to receive?	234	235 \$. ____		236 \$
c. How many pounds have you harvested that you expect will remain unsold for the next year or longer?	237			

Skip to next page

Or

Space for Notes and Comments

Section 3 – Operator Characteristics

Please answer the following for the person who makes decisions for this operation:

1. Sex:

- 926 ☐₁ Male
 ☐₂ Female

2. Year of Birth:

927 _____

3. Is the operator of Hispanic, Latino, or Spanish origin?

- 1219 ☐₁ Yes
 ☐₃ No

4. Race, select all that apply:

- 913 ☐ White
914 ☐ Black or African American
915 ☐ American Indian or Alaska Native, specify tribe _____
916 ☐ Asian
917 ☐ Native Hawaiian or Other Pacific Islander

5. In what year did the operator begin to operate any farm or ranch operation?

907 _____

6. At which occupation did the operator spend the majority (50 percent or more) of his/her time in 2021?

- 974 ☐₁ Farm or ranch work
 ☐₂ Work other than farming or ranching

7. Is the operator retired from farming or ranching?

- 921 ☐₁ Yes
 ☐₃ No

Section 4 - Conclusion

To receive the complete results of this survey on the release date, go to: nass.usda.gov/results

To have a brief summary emailed to you, please enter your email address:
1095

Comments:

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Operation Email: (if different from above)	Operation Phone:
9937	<div> <div>9936</div> <div>() - _____</div> <div> <div>check if cell phone</div> <div><input type="checkbox"/></div> </div> </div>

Respondent Name:	Respondent Phone (if different from above)
9912	<div> <div>9911</div> <div>() - _____</div> <div> <div>check if cell phone</div> <div><input type="checkbox"/></div> </div> </div>
	<div> <div>9910 MM DD YY</div> <div>Date: _ _ _ _ _ _</div> </div>

This completes the survey. Thank you for your help.

OFFICE USE ONLY									
Response		Respondent		Mode		Enum.	Eval.	Change	Office Use for POID
1-Comp 2-R 3-Inac 4-Office Hold 5-R – Est 6-Inac – Est 7-Off Hold – Est	9901	1-Op/Mgr 2-Spouse 3-Acct/Bkpr 4-Partner 9-Other	9902	1-PASI (Mail) 2-PATI (Tel) 3-PAPI (Face-to-Face) 6-Email 7-Fax 19-Other	9903	9998	9900	9985	9989
									_____ - _____ - _____
									Optional Use
									9907 9908 9906 9916
S/E Name									