

HEMP ACREAGE AND PRODUCTION SURVEY - 2021

OMB No. 0535-NEW
 Approval Expires: XX/XX/XXXX
 Project Code: QID:
 SMetaKey: Version



DRAFT
VERSION

USDA/NASS - Missouri
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| Office Use | | | |
|------------|-----------|-------|--------|
| State | POID | Tract | Subtr. |
| _ _ _ | _ _ _ _ _ | _ _ _ | _ _ _ |

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?
 - Yes** - Continue
 - No** - Skip to **Page 13**.

Section 2 – Hemp harvested from open fields

- In 2021, did you or will you plant or seed hemp outdoors in open fields?
 - Yes – **Continue**
 - No – Skip to **Page 8** for hemp planted or seeded in greenhouses, nurseries, hoop houses, tunnels, indoors with climate and/light control, or other protection.
- 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).

o One or more acres:

of Acres

Note: Report to the nearest whole acre.

o Less than an acre:

Which of the following is closest to your acreage?

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

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

o One or more acres:

of Acres

Note: Report to the nearest whole acre.

o Less than an acre:

Which of the following is closest to your acreage?

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

- 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 8.
- Hemp flower for human consumption, such as: Page 3
 - 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
 - Hemp grain for human consumption, such as: Page 4
 - Crushed seed oil (not CBD oil), hemp hearts, protein supplements, or for other human consumption
 - Hemp fiber, used for: Page 5
 - Clothes, pressed plastics, ropes, animal bedding paper, biofuel
 - Hemp seed to sell to other growers Page 6
Note: If seed harvested from greenhouses, nurseries, or other protection, report it in Section 3.
 - Other hemp, specify _____ Page 7

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

One or more acres:

of Acres

Note: Report to the nearest whole acre.

Less than an acre:

Which of the following is closest to your acreage?

About one acre

$\frac{3}{4}$ acre

$\frac{1}{2}$ acre

$\frac{1}{4}$ acre

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

6. 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.

6a. 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. Yes No

6b. 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." Yes No

6c. Did you, or will you, hand trim your hemp flower prior to sale? Yes No

6d. Did you, or will you, extract the cannabinoids and/or terpenes from your hemp prior to sale? Yes No

7. 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?

- 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 _____

8. In 2021, how many TOTAL pounds of hemp flower did you or will you harvest from open fields?

Pounds

9. Of the total pounds of hemp flower harvested from open fields in 2021 (reported in Question 8 above)...

9a. ...how many pounds have you **sold** as of today, and what is the price you received?

Pounds

Price and Unit

| | |
|--|--|
| | |
|--|--|

- Total dollars
- Average price per pound

9b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

| | |
|--|--|
| | <ul style="list-style-type: none"> Total dollars Average price per pound |
| | |

9c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

Note: The total pounds reported in 9a, 9b, and 9c should add to the total reported in Question 8.

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

One or more acres:

of Acres

Note: Report to the nearest whole acre.

Less than an acre:

Which of the following is closest to your acreage?

About one acre

$\frac{3}{4}$ acre

$\frac{1}{2}$ acre

$\frac{1}{4}$ acre

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

11. 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.

11a. 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. Yes No

11b. Did you, or will you, use a combine or other machine to remove your hemp grain from the plant, prior to sale? Yes No

12. 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?

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 _____

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

Pounds

14. Of the total pounds of hemp grain harvested from open fields in 2021 (reported in Question 13 above)...

14a. ...how many pounds have you **sold** as of today, and what is the price you received?

| Pounds | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> Total dollars Average price per pound |

14b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

14c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

| | |
|--|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 14a, 14b, and 14c should add to the total reported in Question 13.

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

One or more acres:

of Acres

Note: Report to the nearest whole acre.

Less than an acre:

Which of the following is closest to your acreage?

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

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

16. 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.

16a. Did you, or will you, use a traditional retting process on your fiber prior to sale? Yes No

16b. Did you, or will you, store your hemp fiber under cover prior to sale? Yes No

17. 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?

- 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 _____

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

Pounds

19. Of the total pounds of **hemp fiber** harvested from open fields in 2021 (reported in Question 18 above)...

Pounds

Price and Unit

19a. ...how many pounds have you **sold** as of today, and what is the price you received?

19b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

19c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

| | |
|--|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 19a, 19b, and 19c should add to the total reported in Question 18.

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

o One or more acres:

of Acres

Note: Report to the nearest whole acre.

o Less than an acre:

Which of the following is closest to your acreage?

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

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

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

- Yes
- No

22. 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?

- 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 _____

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

Pounds

24. Of the total pounds of **hemp seed** harvested from open fields in 2021 (reported in Question 23 above)...

24a. ...how many pounds have you **sold** as of today, and what is the price you received?

24b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

24c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

| Pounds | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 24a, 24b, and 24c should add to the total reported in Question 23.

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

One or more acres:

of Acres

Note: Report to the nearest whole acre.

Less than an acre:

Which of the following is closest to your acreage?

About one acre

$\frac{3}{4}$ acre

$\frac{1}{2}$ acre

$\frac{1}{4}$ acre

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

26. 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?

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 _____

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

Pounds

28. Of the total pounds of **hemp for other uses** harvested from open fields in 2021 (reported in Question 27 above)...

28a. ...how many pounds have you **sold** as of today, and what is the price you received?

28b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

28c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

Pounds

Price and Unit

| | |
|--|--|
| | <ul style="list-style-type: none"> Total dollars Average price per pound |
| | <ul style="list-style-type: none"> Total dollars Average price per pound |
| | |

Note: The total pounds reported in 28a, 28b, and 28c should add to the total reported in Question 27.

Section 3 – Hemp harvested from under protection

1. In 2021, did you or will you seed or plant 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.**”

- Yes – **Continue**
- No – Skip to **Page 13.**

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

Square Feet

Note: If less than one acre but greater than zero, report 1.

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

Square Feet

Note: If less than one acre but greater than zero, report 1.

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 2.

- Hemp flower for human consumption, such as: Page 9
 - 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
- Hemp clones or transplants grown and sold to other growers (e.g., “propagation stock”) Page 10
- Hemp seed to sell to other growers Page 11
Note: If you only harvested seed from open fields, report it in Section 2
- Other hemp, specify _____ Page 12

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

Square feet

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

6. 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.

6a. 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. Yes No

6b. 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.” Yes No

6c. Did you, or will you, hand trim your hemp flower prior to sale? Yes No

6d. Did you, or will you, extract the cannabinoids and/or terpenes from your hemp prior to sale? Yes No

7. 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?

- 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 _____

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

Pounds

9. Of the total pounds of hemp flower harvested from under protection in 2021 (reported in Question 8 above)...

9a. ...how many pounds have you **sold** as of today, and what is the price you received?

9b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

9c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

Pounds

Price and Unit

| Pounds | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 9a, 9b, and 9c should add to the total reported in Question 8.

10. In 2021, how many square feet of **hemp clones or transplants** (e.g., “propagation stock”) did you grow under protection?

Square feet

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

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

- Clones
 Transplants
 Both

12. 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?

- 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 _____

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

Plants

14. Of the total **hemp clones and transplants** grown under protection in 2021 (reported in Question 13 above)...

14a. ...how many plants have you **sold** as of today, and what is the price you received?

14b. ...how many plants do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

14c. ...how many plants have you harvested do you expect will **remain unsold** for the next year or longer?

| Plants | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per plant |
| | <ul style="list-style-type: none"> • Total dollars • Average price per plant |
| | |

Note: The total plants reported in 14a, 14b, and 14c should add to the total reported in Question 13.

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

Square feet

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

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

- Yes
- No

17. 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?

- 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 _____

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

Pounds

19. Of the total pounds of **hemp seed** harvested from under protection in 2021 (reported in Question 18 above)...

19a. ...how many pounds have you **sold** as of today, and what is the price you received?

19b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

19c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

| Pounds | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 19a, 19b, and 19c should add to the total reported in Question 18.

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

Square feet

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

21. 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?

- I bought my own hemp for other uses, seedlings, plants, transplants, or clones.
- My buyer or buyers provided me with the seeds, plants, transplants, or clones.
- Other, specify _____

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

Pounds

23. Of the total pounds of **hemp for other uses** harvested from under protection in 2021 (reported in Question 22 above)

...

23a. ...how many pounds have you **sold** as of today, and what is the price you received?

23b. ...how many pounds do you **expect to sell** within the next year, and what is the price you reasonably expect to receive?

23c. ...how many pounds have you harvested do you expect will **remain unsold** for the next year or longer?

Pounds

Price and Unit

| Pounds | Price and Unit |
|--------|--|
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | <ul style="list-style-type: none"> • Total dollars • Average price per pound |
| | |

Note: The total pounds reported in 23a, 23b, and 23c should add to the total reported in Question 22.

Section 4 – Operator Characteristics

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

1. Sex

- 1 Male
2 Female

2. Year of Birth

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

- 1 Yes
3 No

4. Race, select all that apply

- xxxx White
xxxx Black or African American
xxxx American Indian or Alaska Native, specify tribe _____
xxxx Asian
xxxx Native Hawaiian or Other Pacific Islander

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

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

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

7. Is the operator retired from farming or ranching?

- 1 Yes
3 No

Section 5 - Conclusion

1. **Survey Results:** 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

Operation Email: (if different from above)

Operation Phone:

| | | |
|------|-------------------|--|
| 9937 | 9936 () _____ | check if cell phone <input type="checkbox"/> |
|------|-------------------|--|

This completes the survey. Thank you for your help.

| OFFICE USE ONLY | | | | | | | | | | |
|------------------|------|-------------|------|----------------|------|-------|-------|--------|-----------------------|------|
| Response | | Respondent | | Mode | | Enum. | Eval. | Change | Office Use for POID | |
| 1-Comp | 9901 | 1-Op/Mgr | 9902 | 1-Mail | 9903 | 9998 | 9900 | 9985 | 9989 | |
| 2-R | | 2-Sp | | 2-Tel | | | | | _____ - _____ - _____ | |
| 3-Inac | | 3-Acct/Bkpr | | 3-Face-to-Face | | | | | | |
| 4-Office Hold | | 4-Partner | | 4-CATI | | | | | | |
| 5-R – Est | | 9-Oth | | 5-Web | | | | | | |
| 6-Inac – Est | | | | 6-e-mail | | | | | | |
| 7-Off Hold – Est | | | | 7-Fax | | | | | | |
| | | | | | | | | | Optional Use | |
| | | | | | | | 9907 | 9908 | 9906 | 9916 |
| S/E Name | | | | | | | | | | |

Respondent Name:

Respondent Phone: (if different from above)

| | | | | | |
|-------|-----------|---|--------------------------|----|----|
| 9912 | 9911 | check if cell phone <input type="checkbox"/> | 9910 | MM | DD |
| _____ | () _____ | | Date: ____ - ____ - ____ | | |