

Match Made in Heaven
Livestock + Crops

This survey is a partnership effort between crop and livestock organizations, universities and public service agencies, soil and water groups, and farmers in the Upper Midwest. We want to learn from farmers about their interest, experience, and challenges around integrating crop and livestock systems. The results will help guide development of resources to benefit both crop and livestock producers. The survey takes around 15 minutes, and can also be completed online at <https://z.umn.edu/MatchMadeSurvey> (QR code below). Thank you for sharing your thoughts!



This survey is solely for research and educational purposes, participation is completely voluntary. If you decide to take the survey, you can stop at any time. You can choose not to respond to a question. Your responses are anonymous: no personal names or addresses will be collected. We do ask for your ZIP code in order to sort results by region. No geographic unit with fewer than five farms will be shown in data or mapping. If there are fewer than five farms responding in a ZIP code, adjacent ZIP code areas will be combined until there are at least five farms included in a geographic unit.

Those who complete the survey will have the option to provide their email address for entry into a drawing for several \$100 gift cards. Email addresses are collected separately from survey responses, will not be shared, and will be used solely for communicating with winners of the drawing.

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You can find out more about the project at the Match Made In Heaven website:
<https://greenlandsbluewater.org/match-made-in-heaven-livestock-crops>



1. This is a multi-state survey and we are hoping to break out results by region. Therefore, please provide the 5- digit ZIP code for your farm's business address:

Zip code

2. These first questions are about land that you farmed in 2022. How many acres of the land that you farmed in 2022 did you own? If you did not own any of the land please enter zero.

Acres owned

3. How many acres of the land that you farmed in 2022 did you rent from others? If you did not rent any of the land from others, please enter zero.

Acres rented

4. In the last three years, did you grow any of the following grain crops? Did you grow...

	Yes	No
a. ...corn for grain?	<input type="radio"/>	<input type="radio"/>
b. ...corn for silage?	<input type="radio"/>	<input type="radio"/>
c. ...soybeans?	<input type="radio"/>	<input type="radio"/>
d. ...wheat?	<input type="radio"/>	<input type="radio"/>
e. ...other small grains, such as rye, barley, oats, or triticale?	<input type="radio"/>	<input type="radio"/>
f. ...oilseeds, such as canola, sunflower, safflower, or flax?	<input type="radio"/>	<input type="radio"/>

5. For this question, consider pasture and forages for livestock as crops. In the last three years, did you grow any of the following forage crops? Did you grow...

	Yes	No
a. ...hay, such as alfalfa, clover, grass, or mix?	<input type="radio"/>	<input type="radio"/>
b. ...annual forages for livestock?	<input type="radio"/>	<input type="radio"/>
c. ...perennial pasture?	<input type="radio"/>	<input type="radio"/>

6. In the last three years, did you grow any of the following other kinds of crops?

Did you grow...

	Yes	No
a. ...single-species cover crops?	<input type="radio"/>	<input type="radio"/>
b. ...multi-species cover crops?	<input type="radio"/>	<input type="radio"/>
c. ...vegetables or fruit?	<input type="radio"/>	<input type="radio"/>
d. ...sugar beets?	<input type="radio"/>	<input type="radio"/>
e. ...any other crops? Please tell us:	<input type="text"/>	

7. In the last three years, did you raise any livestock?

Yes

No → Go to question 12

8. For each of the following kinds of livestock, please indicate the average number of head per year, over the last three years. Please indicate how many you owned and how many were custom raised, and whether they were present all year or seasonally.

Did you have the following kinds of livestock on your farm operation?	Number of head owned	Number of head custom raised	How long were these in your farm operation?	
			Year round	Seasonally
a. Beef cow-calf pairs	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
b. Beef or dairy feeders, backgrounders	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
c. Beef or dairy finish animals	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
d. Dairy heifers	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
e. Dairy cows, lactating and dry	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
f. Sheep, hair	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
g. Sheep, wool or dairy	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
h. Sheep, wool or meat	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
i. Goats, dairy	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
j. Goats, meat	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
k. Hogs	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
l. Poultry	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			
n. Other livestock? Please tell us:	<input type="radio"/> Yes → <input type="text"/>	<input type="text"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/> No			

9. The next questions are about your grazing management practices. Please tell us when you used the following grazing management practices? Check all that apply.

	Used between 2022 and 2020	Used before 2020	Never used
a. Managed rotational grazing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Graze cover crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Graze winter annual crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Graze summer annual crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Graze crop residues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Feed green-chop during growing season	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Bale graze	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. The next questions are about your livestock feeding practices. Please tell us when you used the following livestock feeding practices. Check all that apply.

	Used between 2022 and 2020	Used before 2020	Never used
a. Feed dry hay	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Feed haylage, baleage, oatlage, or similar feed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Feed corn silage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Feed grain	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Feed non-grain energy sources such as molasses or beet pulp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Feed TMR: Total Mixed Ration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h. Purchase some or all of your grain and concentrates	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. Purchase some or all of your hay and forages	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. The next questions are about your livestock marketing practices. Please tell us when you used the following livestock marketing practices. Check all that apply.

	Used between 2022 and 2020	Used before 2020	Never used
a. Sell animals at sale barn or livestock auction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Direct to consumer or other retail sales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Sell through a farmer-owned coop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Sell through branded programs such as Certified Angus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Certified organic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Other certification or branded program? Please tell us: <input style="width: 200px; height: 20px;" type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Which one of the following do you consider your primary farming enterprise?

- Grain crops
- Livestock
- Forage crops
- Other crops

13. The next questions are about your soil tillage practices. Please tell us when you used the following tillage practices. Check all that apply.

	Used between 2022 and 2020	Used before 2020	Never used
a. Fall tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Reduced tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. No-till	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Leave all crop residue on fields	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Winter cover crop and roller crimper	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Untilled perennials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. The next questions are about your fertility management practices. Please tell us when you used the following fertility management practices. Check all that apply.

	Used between 2022 and 2020	Used before 2020	Never used
a. Soil testing for NPK, lime	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. Soil health testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. Use purchased synthetic fertilizers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. Apply manure to fields	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. Returned cover crops or legume forages to the soil as a nutrient source for subsequent crops	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. Cover crop tissue testing to measure fertility value of cover crop	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. How much do the following match your farming approach?

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. High yields, up-to-date technology and equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. Practices that ensure eligibility for Farm Bill programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. Soil health practices that minimize soil loss and nutrient run off	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

16. Continue to think about your farming approach and please tell us:

	Not at all	A little	Somewhat	Very	Extremely
a. How <u>difficult</u> do you think it is to invest in conservation practices because of economic pressure?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. How <u>important</u> is it for you to look at the interconnections and influences between all of the decisions that go into your farm management?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. How <u>difficult</u> is it to avoid nutrient loss or soil erosion in crop production systems?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. How <u>important</u> is it to adopt practices that conserve soil and water resources regardless of economic concerns?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

17. How much do you rely on the conservation information provided by USDA-NRCS?

- Not at all
- A little
- Somewhat
- Quite a bit
- A great deal

18. For the next question, please tell us about the integration of livestock and crops in your farm operation. We want to know about the presence of both, even if you do not own or manage both livestock and crops yourself. Remember that pasture and forage are considered crops. Does your farm operation currently have:

- Livestock only, no crops → Go to question 46
- Both livestock and crops
- Crops only, no livestock → Go to question 27

19. For about how many years have both livestock and crops been in your farm operation?

- 0 to 2 years
- 3 to 5 years
- More than 5 years

20. Integration of crops and livestock is associated with several potential benefits. To what extent have you observed the following in your operation?

To what extent have you observed...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...reduction of feed costs for livestock?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...diversification of income streams?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...reduced financial risk?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...improvement in seasonal labor distribution?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...improved soil health?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. ...improved conservation outcomes?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. ...being able to use manure as fertilizer?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
h. ...being able to break crop pest or weed cycles?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
i. ...increased manure spreading options?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. Have you found any other benefits from integrating crops and livestock in your farm operation? Please tell us about them:

22. The next questions are about challenges you may have faced in your adoption and ongoing management of integrated livestock and crops in your farm operation.

First think about infrastructure needs. How challenging has it been to...

	Not at all	A little	Somewhat	Very	Extremely
a. ...afford the cost of additional equipment needed?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...install and maintain fencing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...provide watering facilities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...provide livestock housing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

23. Continuing to think about crop and livestock integration production systems, how challenging has it been to...

	Not at all	A little	Somewhat	Very	Extremely
a. ...find adequate land?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...obtain veterinary services?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...manage nutrients?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...manage cropland compaction from livestock?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...manage weed and pest problems in grazed crop fields?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. Next, think about farm business management. How challenging has it been to...

	Not at all	A little	Somewhat	Very	Extremely
a. ...find information?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...find or maintain labor?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...manage your time?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25. Next, think about financial issues. How challenging has it been to...

	Not at all	A little	Somewhat	Very	Extremely
a. ...find financing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...generate enough income?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...access markets?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...obtain a premium for your products?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...find adequate local processing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

26. Have you experienced other challenges in integrating livestock and crops in your farm operation not mentioned above? Please tell us about them:

→ Go to question 46 on page 13 after this question

27. Have you ever had both crops and livestock present in your farm operation in the same year?

Yes

No → Go to question 34

28. How long ago was it that you had both crops and livestock present in your farm operation at the same time?

0 to 5 years ago

6 to 10 years ago

More than 10 years ago

29. When you had both crops and livestock present in your farm operation at the same time, what kind of livestock did you have?

Did you have...

	Yes	No
a. ...beef cows?	<input type="radio"/>	<input type="radio"/>
b. ...dairy cows?	<input type="radio"/>	<input type="radio"/>
c. ...sheep?	<input type="radio"/>	<input type="radio"/>
d. ...goats?	<input type="radio"/>	<input type="radio"/>
e. ...hogs?	<input type="radio"/>	<input type="radio"/>
f. ...poultry?	<input type="radio"/>	<input type="radio"/>

30. Did you have any other kinds of livestock on this farm at that time? What kind?

31. For how many years in total did you have livestock in your farm operation?


 Total years

32. Which of the following were reasons you stopped having livestock in your farm operation?

Did you stop because...

- | | Yes | No |
|--|-----------------------|-----------------------|
| a. ...of age or health issues? | <input type="radio"/> | <input type="radio"/> |
| b. ...it was not profitable enough? | <input type="radio"/> | <input type="radio"/> |
| c. ...you did not have enough labor? | <input type="radio"/> | <input type="radio"/> |
| d. ...to improve your quality of life? | <input type="radio"/> | <input type="radio"/> |

33. Did you stop having livestock for some other reason? Please tell us:

 **Go to question 36 after this question**

34. Which of the following were reasons you never had livestock in your farm operation?

Did you never have livestock because...

- | | Yes | No |
|---|-----------------------|-----------------------|
| a. ...it was not part of the farming operation you took over? | <input type="radio"/> | <input type="radio"/> |
| b. ...you do not have enough livestock experience or knowledge? | <input type="radio"/> | <input type="radio"/> |
| c. ...it was not profitable enough? | <input type="radio"/> | <input type="radio"/> |
| d. ...you did not have enough labor to support livestock? | <input type="radio"/> | <input type="radio"/> |
| e. ...you thought it would reduce your quality of life? | <input type="radio"/> | <input type="radio"/> |

35. Did you not have livestock for some other reason? Please tell us:

36. The decision to add a livestock enterprise to a farm operation involves both positives and negatives. Research shows that livestock integration can have significant benefits, but there are also significant challenges. Below we ask you to share your attitudes and interests in those benefits and challenges.

First, how interested would you be in integrating livestock to...

	Not at all	A little	Somewhat	Very	Extremely
a. ...increase on-farm income per acre?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...improve soil health?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...improve conservation outcomes?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...reduce fertilizer costs?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...break crop pest and weed cycles?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. ...have a more stable annual farm income?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
g. ...reduce financial risk?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

37. Think about what it would take to have livestock on your farm. How challenging would you find each of the following issues to adding livestock to your farm operation?

First think about infrastructure needs. How challenging would it be to...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...afford the cost of additional equipment?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...put up and maintain fencing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...provide watering facilities?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...provide livestock housing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

38. Next, think about production systems. How challenging would it be to...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...find adequate land?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...access veterinary services?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...manage nutrients?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...manage winter feeding costs and logistics?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

39. Next, think about farm business management. How challenging would it be to...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...find information?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...find or maintain labor?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...manage time?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

40. Next, think about financial issues. How challenging would it be to...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...find financing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...generate enough income?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...access markets?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...obtain a premium for your products?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...find adequate local processing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. ...find insurance options for forage and livestock?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

41. How challenging would you find each of the following crop management concerns to adding livestock to your farm operation?

How challenging would it be to manage...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...grazing on cropland?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...cropland compaction?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...weed and pest problems in fields?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...potential damage to crops?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...potential damage to soil?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

42. Are there other challenges you might face in integrating livestock and crops in your farm operation not mentioned above? Please describe:

43. Knowing the potential benefits and challenges of adding livestock, under which of the following circumstances would you consider including livestock in your farm operation?

Would you consider adding livestock...

	Yes	No
a. ...if you owned and managed the livestock on your farm yourself?	<input type="radio"/>	<input type="radio"/>
b. ...if someone else owned and managed the livestock?	<input type="radio"/>	<input type="radio"/>
c. ...if the livestock were on your farm year-round?	<input type="radio"/>	<input type="radio"/>
d. ...if the livestock were only on your farm seasonally?	<input type="radio"/>	<input type="radio"/>

44. How helpful would each of the following be in reducing your challenges to adding livestock to your farm operation?

How helpful would it be...

	Not at all	A little	Somewhat	Quite a bit	A great deal
a. ...if you had help finding a livestock producer you could partner with?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
b. ...if you could attend field days or other educational programs to learn the <u>economic aspects</u> of the system?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
c. ...if you could attend field days or other educational programs to learn the <u>production aspects</u> of the system?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
d. ...if you had one-on-one technical assistance?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
e. ...if cost-sharing were available for infrastructure development, such as adding fencing, water, and housing?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
f. ...if annual incentive payments were available for conservation and environmental benefits equivalent to crop insurance and commodity support payments?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

45. Are there other things you would find helpful to adding livestock to your farm operation? Please describe.

46. The next questions are about farm policy and programs.

In the last 3 years, have you used...

	Yes	No
a. ...the Environmental Quality Incentives Program, EQIP?	<input type="radio"/>	<input type="radio"/>
b. ...the Conservation Stewardship Program, CSP?	<input type="radio"/>	<input type="radio"/>
c. ...the Conservation Reserve Program, CRP?	<input type="radio"/>	<input type="radio"/>
d. ...a local or county conservation program?	<input type="radio"/>	<input type="radio"/>
e. ...a state conservation program?	<input type="radio"/>	<input type="radio"/>
f. ...a program funded by non-governmental organization?	<input type="radio"/>	<input type="radio"/>
g. ...a program funded by private sector, such as input suppliers or food companies?	<input type="radio"/>	<input type="radio"/>
h. ...federal crop subsidies such as PLC or ARC?	<input type="radio"/>	<input type="radio"/>
i. ...crop insurance?	<input type="radio"/>	<input type="radio"/>

47. We have asked you questions about challenges and potential support. Now is your chance to share any additional ideas you have. What specific types of assistance that are not currently offered would be useful to you in achieving your soil health or livestock integration goals?

48. What farming enterprise is your primary source of farm income?

- Grain crops
- Livestock
- Forage crops
- Other crops

49. In 2022, about how much was your gross farming income?

- Less than \$25,000
- \$25,000 to \$99,999
- \$100,000 to \$1,000,000
- Over \$1,000,000

50. In 2022, about how much of your total household income was from off-farm sources?

- 0 to 24%
- 25% to 49%
- 50% to 74%
- 75% to 100%

51. Did you hear about this survey from any of the following organizations?

Did you hear about it from...

	Yes	No
a. ...Green Lands Blue Waters?	<input type="radio"/>	<input type="radio"/>
b. ...Corn Growers Association?	<input type="radio"/>	<input type="radio"/>
c. ...Soybean Growers Association?	<input type="radio"/>	<input type="radio"/>
d. ...Cattlemen's Association?	<input type="radio"/>	<input type="radio"/>
e. ...GrassWorks?	<input type="radio"/>	<input type="radio"/>
f. ...Sustainable Farming Association?	<input type="radio"/>	<input type="radio"/>
g. ...Practical Farmers of Iowa?	<input type="radio"/>	<input type="radio"/>
h. ...Land Stewardship Project?	<input type="radio"/>	<input type="radio"/>
i. ...University Extension?	<input type="radio"/>	<input type="radio"/>
j. ...some other organization? Please tell us : <input style="width: 200px;" type="text"/>	<input type="radio"/>	<input type="radio"/>

52. If you heard about it through an organization you participate in, how does that organization help you and in what way could it do better?

53. Finally, just a few questions about you.

Not including years growing up on a farm, for about how many years have you been farming?

 Years

54. What is the highest level of education you have completed?

- | | | | |
|---|--------------------------------|---------------------------|--------------------------|
| <input type="radio"/> High school diploma or less | | | |
| <input type="radio"/> Some college, but no degree | | | |
| <input type="radio"/> Associate degree | Is this degree in Agriculture? | <input type="radio"/> Yes | <input type="radio"/> No |
| <input type="radio"/> Bachelor's degree | Is this degree in Agriculture? | <input type="radio"/> Yes | <input type="radio"/> No |
| <input type="radio"/> Master's degree or more | Is this degree in Agriculture? | <input type="radio"/> Yes | <input type="radio"/> No |

55. If you have a college degree in a field other than agriculture, what is that field?

56. What is your gender?

 Gender

57. What is your age?

 Age in years

58. Check all of the following that describe your race or ethnicity:

- American Indian or Alaskan Native
- Asian
- Black or African American
- Hispanic or Latino
- Middle Eastern or North African
- Native Hawaiian or Other Pacific Islander
- White
- Other: Please tell us: →

Thank you for completing the survey! Your experience is valued and the information you've shared will be used to guide development of crop/livestock resources to benefit all.

If you would like to enter a drawing for \$100 gift cards, please send an email with the subject-line "survey drawing" to MatchMade@umn.edu. (note: this mailbox is not monitored, for more information please visit the project website at <https://greenlandsbluewaters.org/match-made-in-heaven-livestock-crops>)

Please return completed surveys to:

**UW-Agronomy
attn: Laura Paine
1575 Linden Drive
Madison, WI 53706**