

Q14. **Name:** Vaughn Borchardt

**Trial Title:** Can We Reduce N Rates and Improve ROI?

Q8. **How important to you are the following goals when it comes to this research trial?**

Q1. Increase financial viability

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☐   ☒

Q2. Improve crop or livestock production (yield, quality, etc.)

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☐   ☒

Q3. Improve environmental outcomes (water quality, soil health, etc.)

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☐   ☒

Q4. Discover time-saving practices to improve work-life balance

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☒   ☐

Q5. Personal growth and interest in learning

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☐   ☒

Q6. Giving back to the community

Not important   Slightly important   Fairly important   Important   Very important

☐   ☐   ☐   ☒   ☐

Q7. Other goal (please specify):

Q9. How will this research trial impact your farm?

Bottom line,sustainability

Q10. What else do you hope will come from this research trial?

Q26. In order to better understand, deliver and improve our programs we track basic information on program participants. This helps us get the simple things right like sending your mail to the right place and the more complex things too, like continuing to serve our members effectively and communicating the value of our programs to our funders.

Please review the following information and update any items that are no longer correct and/or fill in blank fields.

Q17. Address: **107 290th St**

Q18. City: **Fenton**

Q19. State: **IA**

Q20. Zip: **50539**

Q29. Email: **vborch@netins.net**

Q30. Preferred form of contact (select all that apply):

- ☒ Email
- ☒ Phone call
- ☒ Text message

Q28. Phone:

5153201572

Q27. Please check the category that best describes you (choose one):

*This question was not displayed to the respondent.*

Q22. How many years of farming experience do you have (choose one)?  
Our records indicate: **11 or more**

- ☐ 0 years
- ☐ 1-5 years
- ☐ 6-10 years
- ☒ 11 or more years

Q23. What agricultural products do you currently raise and market? (Select all that apply)

- ☐ Livestock
- ☒ Field Crops
- ☐ Horticulture and Speciality Crops
- ☐ Other

- ☐ Not applicable; I don't currently operate a farm

Q24. How do you describe yourself?

- ☒ Male
- ☐ Female
- ☐ Non-binary / third gender
- ☐ Prefer to self-describe
- ☐ Prefer not to say

Q25. What is your ethnic background? (check all that apply)

- ☐ Caucasian/White
- ☐ African American/Black
- ☐ Asian/Pacific Islander
- ☐ Latino/Hispanic
- ☐ Native American
- ☐ Prefer to self-describe
- ☒ Prefer not to say

Q15. **Name:** Vaughn Borchardt

**Trial Title:** Can We Reduce N Rates and Improve ROI?

### Q13. Memorandum of Understanding

Q11. Conducting on-farm research has been central to PFI since its inception. This Memorandum of Understanding is entered into between the Research Cooperator in his or her individual capacity and Practical Farmers of Iowa in its organizational capacity. ***Please review this agreement, and the Research Protocols you received, and ask any questions should you have them.***

This Memorandum of Understanding is entered into as a result of Cooperator's desire to conduct a research trial to ascertain whether the seed/crop/inputs involved in the trial are sufficiently able to produce the intended effects described by the entity or individual that sold, provided and/or owns the rights to the seed/crop/inputs involved in the trial. Further, this research is undertaken by the undersigned Research Cooperator in his or her individual capacity, and is undertaken solely for the purpose of philosophical inquiry, satisfaction of curiosity, and/or amusement. This research has no commercial purpose of any sort and shall not be used and is not intended to be used for profit, gain, or benefit of any sort. Research Cooperator agrees to take sole responsibility for Research Cooperator's compliance with any laws applicable to this research trial. To the extent that any patented articles are used in connection with the proposed research trial, both Research Cooperator and PFI hold the good faith belief that this use qualifies as a permitted experimental research use under applicable patent law.

For its part, PFI has agreed to help Research Cooperator design and implement a successful research trial of Research Cooperator's choosing. PFI has also agreed to provide Research Cooperator with a token financial contribution to offset a fraction of the cost involved in completing this research. Research Cooperator understands that the cost of the research trial in terms of time, equipment, personnel, inputs, and other resources will exceed the token contribution PFI can make to the Research Cooperator. Further, Research Cooperator agrees that PFI has shared information regarding potential legal risks associated with this research trial. Research Cooperator has made an independent choice to embark upon this research trial.

More details regarding the research trial are outlined in the Protocols document you received. By checking

"Yes" in the box below and entering your name in the Signature box, you are signing and certifying your intention as a Research Cooperator to embark upon this independent research trial supported by PFI as described above and as detailed in the Protocols document. The terms in the Protocols document reflect what is expected of you and the amount PFI has agreed to pay you as a stipend\*.

Please check the box below if you agree to the above terms and type your name in the box below to confirm your acceptance.

☒ Yes

☐ No

Q12. Signature

A handwritten signature in black ink, appearing to read 'Stefan Gailans', is written over a horizontal line. To the left of the signature is a small 'X' icon, and to the right is a red 'clear' button. The entire signature area is enclosed in a light gray rectangular box.

Q31. \*Stipend will be provided upon completion of the project. This payment qualifies as reportable income. If you receive payments totaling over \$600 from Practical Farmers of Iowa in a given tax year, you will receive a 1099.

#### Embedded Data

**Address1:** 107 290th St

**City:** Fenton

**LeadStaffEmail:** stefan@practicalfarmers.org

**NeonID:** 1809

**PFIStaffName:** Stefan Gailans

**State:** IA

**Year:** 2022

**YearsExperience:** 11 or more

**Zip:** 50539

#### Location Data

**Location:** ([43.242004394531](#), [-94.404403686523](#))

**Source:** GeoIP Estimation

