# Appendix A. Rachel and Alec Amundson, Osage IA

*“[We] had some understanding of how to cut N when planting into clover,*

*this was a great way to verify our thinking.”*

The financial outcome showed **potential savings**. A 49 lb N/ac reduction was too large this year, but there is potential for financial savings with a smaller reduction.

**Figure A1. Summary of trial results**

Graphical user interface, chart

Description automatically generated

*Historical cropping system (5 year):* Strip-till, corn, soybeans, rye cover crop

*Previous crop:*  Oats/red clover cover crop

*Replications and plot size:*  4 reps, 1.7 acres per rep

*Corn planting/harvest date:*  May 14, 2022/October 23, 2022

*Corn row spacing/planting density:*  30 inch; 33,000 sd/ac

*Nitrogen sources and application timing:* Chemical sources; fall, spring, and side-dress

# Appendix B. Nathan Anderson, Aurelia IA

“I hope my research site, combined with other farmer-cooperator sites…can reform the narrative around nitrogen fertilization and use for the benefit of farmers and the environment.”

The financial outcome showed **savings**. A 53 lb N/ac reduction saved money this year, but this was likely influenced by the drought which rendered yields less responsive to N.

**Figure B1. Summary of trial results**

Graphical user interface, chart

Description automatically generated

*Historical cropping system (5 year):* Corn, soybeans, rye cover crops

*Previous crop:*  Corn

*Replications and plot size:*  4 reps, 2.11 acres per rep

*Corn planting/harvest date:*  May 19, 2022/October 14, 2022

*Corn row spacing/planting density:*  30 inch; 35,500 sd/ac

*Nitrogen sources and application timing:* Turkey litter, chemical; winter, at planting, side-dress

# Appendix C. Jon Bakehouse, Hastings IA

“[These trials will] give me confidence to either reduce N rates or be secure in the knowledge we aren’t over-applying nutrients”

The financial outcome showed **potential savings**. A 56 lb N/ac reduction was too large this year, but there is potential for financial savings with a smaller reduction.

**Figure B1. Summary of trial results**

Chart

Description automatically generated

*Historical cropping system (5 year):* Corn, soybeans

*Previous crop:*  Soybeans

*Replications and plot size:*  4 reps, 0.8 acres per rep

*Corn planting/harvest date:*  May 11, 2022/September 29, 2022

*Corn row spacing/planting density:*  30 inch; 34,000 sd/ac

*Nitrogen sources and application timing:* Chemical; Spring, side-dress