MinnesotaCorn
RESEARCH & PROMOTION COUNCIL

INNOVATION GRANT FINAL REPORT

PROJECT TITLE: Rate and Prescription Study
REPORTING PERIOD: Final Report and Invoice due by December 31, 2016
FARMER INNOVATOR: Andrew Linder
COLLABORATING ORGANIZATION/PERSON:
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1.) PROJECT ACTIVITIES COMPLETED DURING THE REPORTING PERIOD. (*Describe project progress specific to goals, objectives, and deliverables identified in your project proposal.*) The object to this trial was to compare three side dress rates to each other to see which would provide the best economic return. Also in the trial was two different modeling programs that gave us a recommendation based on their models to compare to the flat rates applied. There was a base rate broadcasted pre-plant and the remaining variable rates were done around V10 with Y drops. Yields were collected and analyzed.

2.) IDENTIFY ANY SIGNIFICANT FINDINGS AND RESULTS OF THE PROJECT. (*This could include photo documentation of the project at various stages if you haven't already provided these as well as final relevant images of the project at completion. Any data analysis (especially Level 3 Grants), graphics or record of observations throughout the growing season or during the field day event are also anticipated.)*

During the growing season, scouting was done 2 times following the side dress application. As the season moved on it became more and more apparent the areas that were starved for nitrogen. The canopy would be thicker and healthier in the higher rates than the low ones. The color of the plant was also greener and healthier looking in the higher rates. Some drone photos were taking during the season and showed the test strips well.

3.) CHALLENGES ENCOUNTERED. (*Describe any challenges that you encountered related to project progress specific to goals, objectives, and deliverables identified in the project proposal.*)

I fell behind staging the corn and was 2-3 leaf stages later than I originally planned on doing the side dress application. This may or may not have affected trial results. Another challenge for this trial was the corn was no tilled into last years soybean stubble. I would have liked to see if I would have had better yeilds over all or different results had the first application of nitrogen been some kind of band or partially banded vs. All being broadcast 32%. Being no till, stand establishment was difficult as well this particualr year. I think our results still give us good information and are valid to use for future decision making.

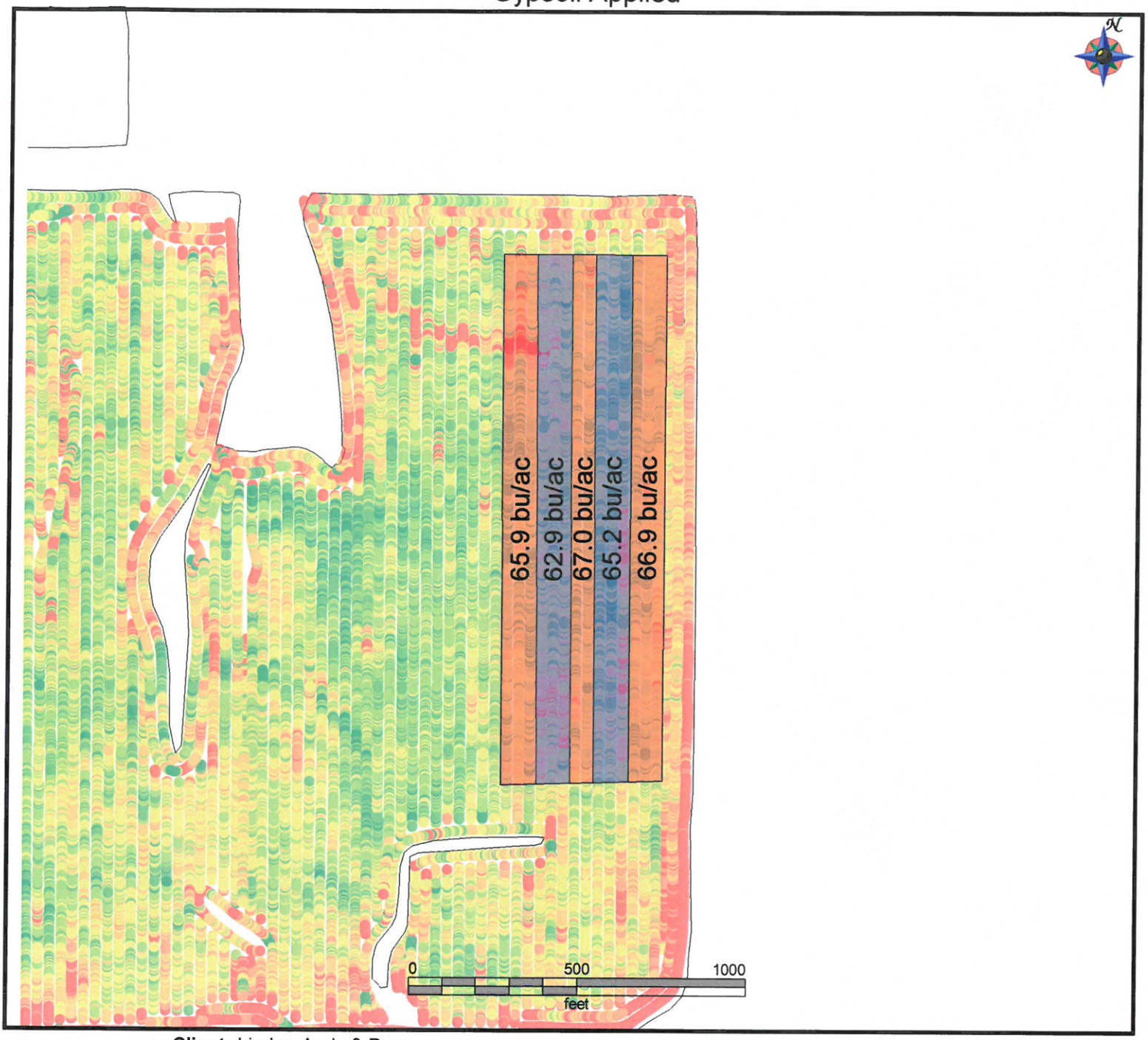
4.) EDUCATION AND OUTREACH ACTIVITES. *(Describe any opportunities to engage with farmers, influencers or the media about your project.)*

I hosted a small field day on cover crops and no till in early September. The trial was discussed a little and some drone footage was taken. Attendance was around 30 people.

5.) HOW CAN WE HELP? *(Please let us know how we can improve the experience for the next generation of projects.)*

Teskey South - 2017 Soybeans

Gypsoil Applied



Client: Linder, Andy & Don
Farm: Andy Linder
Field: Teskey South
Crop: 2017 Soybeans
Name: Average Gypsoil

Gypsoil	7.43 ac	
NO	9.88 ac	

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Home Farm - 2017 Corn

32% Applied

Client: Linder, Andy & Don
Farm: Don Linder
Field: Home Farm
Crop: 2017 Corn
Name: Average Y Drops 7/4

0gal	13.42 ac
10gal	7.94 ac
20gal	7.81 ac
C/B	18.33 ac
C/B Headlands	5.34 ac
C/C	21.17 ac
C/C 0gal	2.03 ac
C/C Headlands	1.65 ac
C/O	21.89 ac
C/O Headlands	4.14 ac
E105T1 C/O	1.78 ac
Encirca VR	7.90 ac
MCM VR	7.93 ac

variable rate →

↳ green seeker technology

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