

**Minnesota Department of Agriculture  
Pesticide & Fertilizer Management  
QUARTERLY PROGRESS REPORTING  
FOR THE PERIOD ENDING: MARCH 31, 2019**

PROJECT NUMBER: SWIFT 138729, PO 3000027027

PROJECT DESCRIPTION: **On-farm evaluation of boron response in corn and sugarbeet**

REPORT DUE DATE: **April 30, 2019**

PRINCIPAL INVESTIGATOR: Daniel Kaiser

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1.) GOALS AND OBJECTIVES OBTAINED (*Specific to the work plan in the grant agreement, which goals or objectives have you accomplished. If possible, quantify progress made on each objective [example: we planted and maintained 10 of the 15 plots]. Include analysis, explanation, and specific reasons why goals and objectives were not met.*)

Data analysis was completed on the corn trials. Yield maps were obtained from all cooperators and analyzed and yield data values were compiled in a large Masterfile.

2.) ACTIVITIES PERFORMED AND OUTCOMES (*Describe the types of activities that you performed and the resulting outcomes...may include maps, photographs, etc.*)

Yield maps and plant tissue B concentration maps were generated and all data was analyzed for the final report.

3.) CHALLENGES ENCOUNTERED AND LESSONS LEARNED (*Describe any challenges that you encountered and what was learned from those challenges.*)

None

4.) FINANCIAL INFORMATION (*This may include balance sheets or general ledger. The reports should be broken out by budget category as listed in the grant agreement and should show how much grant funding and how much match funding was spent. No more than 10% of the total award can moved from one budget category to another without prior approval. Provide analysis, explanations, and specific reasons why any cost overruns may have occurred. Attach sheets as necessary to provide this information.*)