**Objectives:**

1. Establish long term crop rotation trials (4 year minimum) in wheat and soybeans using a combination of small plot replicated research trials and on-farm research sites
2. Conduct small plot replicated research to determine the influence of elevated levels of P and K on wheat and soybean growth, development and yield
3. Partner with the MN Wheat On-Farm Research Network (OFRN) to evaluate enhanced P and K fertility utilizing large on-farm research trial methodologies to determine if current P and K recommendations provide adequate fertility in a high yield wheat-soybean crop rotation

**Achievements:**

1. Small plots were soil sampled and sent to AgVise for analysis in April  
            2. The southern-most trial location near Elbow Lake, MN, was fertilized and planted in late April  
            3. Three additional trial sites near Roseau, MN were identified and soil sampled to determine                   the suitability of each location for the trial

**Challenges:**

Delayed planting pushed the fertilizing and planting of the remaining trial locations into the month of May, but all 5 locations were successfully fertilized and planted.  
   
Miscommunication with the applicator resulted in a mistake during the fertilizer application at Baudette, but fortunately the trial will still be harvestable and be able to continue for the next 2 years.