Soil Test Sentinel Project

- No application of K Fall 2014 or Spring 2015 – Ideal
  - I do not care if fertilizer or manure was applied before or during the 2014 cropping season
- If fertilizer is applied please note the rate and when applied

Data Collection

The purpose of this study is to examine how soil test values change over time within a localized area (~20’ radius) over time.

- Monitoring
  - Samples will be collected starting Fall 2014. Ideally I would like samples taken at a 0-6” depth every 4-6 weeks starting late April/Early May until August/September
  - I need about 1.25 lb (500-600 grams) of moist soil for analysis. Around 12-14 cores from a ¾” diameter soil probe collected from the 0-6” depth should be adequate
  - Samples need to be kept moist in a sealed bag. Ziploc bags work well or lined soil test bags also work. (I can provide some if needed). Please keep the samples cool, preferably in a refrigerator (DO NOT FREEZE).
  - Please clearly label the samples with the location and the date of sampling. Suggested ID would be a three letter abbreviation for the county the sample was taken, followed by a two digit ID for the field, then include the sampling date
    - For Example JAC01-050115 (Jackson County, Site 1, sampled May1, 2015.
  - Samples can be mailed off to:
    - Daniel Kaiser
    - 439 Borlaug Hall
    - 1991 Upper Buford Circle
    - Saint Paul, MN 55108
  - Samples will be sieved and split by me on campus. Part of the sample will be dried and sent off to be tested by routine methods. The remaining sample will be analyzed on a field moist basis

- Postage and mileage incurred for sampling can be reimbursed, please keep a record of the total cost. I have paperwork that will need to be filled out in order to process payment.
- I would need any pertinent background information, location (GPS coordinates if you have them), soil type, what is being grown on the site, and any fertilizer that is applied