



**Note:** Please complete this form in its entirety to identify the soil sample location. The information will be used to compile a distribution map of clubroot infestations in North Dakota.

County: \_\_\_\_\_ Grower's name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 (will remain confidential)

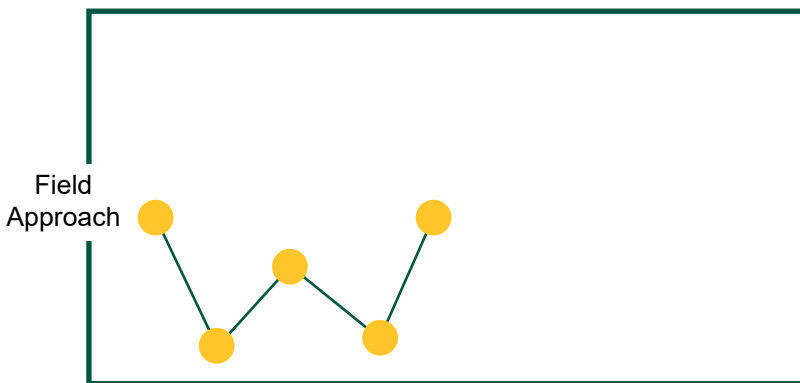
				Field Identity			
Field ID	Latitude N	Longitude W (-)	OR	Township	Range	Section	¼

Latitude and longitude in decimal degrees is preferred.

**Example: N: 48.659444 W: 98.24444 (GPS coordinates)** - GPS coordinates can be obtained through "preferences" or other "setup" functions within the systems software.

### Soil Sampling Survey Procedure

1. Walk in a "W" pattern in the field starting from the main entrance of the field (approach), low spots or flooded areas, low pH spots and areas of diseased patches as shown in the figure below.



**Precautions:** Do not drive into the field. Wear disposable boots and gloves, and disinfect your soil sampling equipment in the field.

2. At each sample point, clear away residue on the soil surface and collect soil core or scoop from the top 3 to 6 inches (a representative sample is five scoops or cores from each field). Be sure to maintain 300 feet from point to point of soil collection.
3. Air-dry the soil samples indoors in paper boxes and send or drop them off at one of the following address:

**Zhaohui Liu**  
 Department of Plant Pathology  
 NDSU Department 7660  
 P.O. Box 6050  
 Fargo, ND 58108-6050

**UPS/FEDEX to**  
**Zhaohui Liu**  
 Department of Plant Pathology  
 Walster Hall 306  
 Fargo, ND 58102

**Venkat Chapara**  
 Langdon Research Extension Center  
 9280 107th Ave. N.E.  
 Langdon, ND 58249

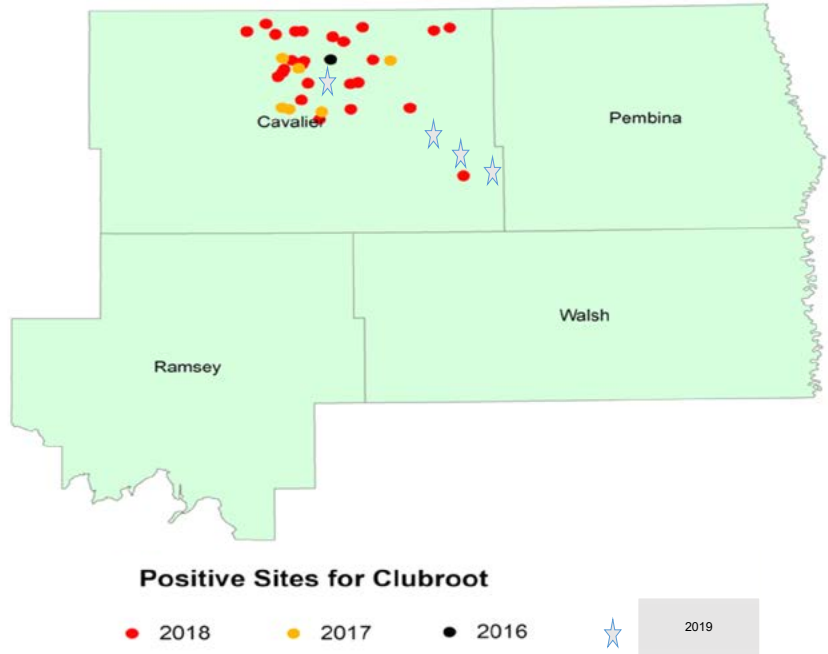


**Figure 1. Clubroot on canola.**  
(Venkat Chapara, NDSU)



**Figure 2. Canola field infected with clubroot in patches.** (Venkat Chapara, NDSU)

**Figure 3. Canola fields with clubroot in North Dakota identified from years 2016 to 2019.** (Knodel, Hongang and Chapara, 2019)



**NDSU** NORTH DAKOTA AGRICULTURAL EXPERIMENT STATION

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