

October 7, 2008

**AGRO / MSYM / AGEN 431**  
**Site-Specific Crop Management**  
*Fall 2008*

**Assignment 4 (10 pts)**

Due: October 23, 2008

1. Complete Lesson 4 of the on-line Tutorial on Application of Manifold GIS Software for Precision Agriculture (<http://bse.unl.edu/adamchuk/manifold>).

Username: \_\_\_\_\_

Password: \_\_\_\_\_

2. Prepare a written report containing layouts of interpolated soil pH map with actual grid sample locations and non-interpolated EC map with boundaries of soil series and 10 targeted sampling locations shown on the top. Write one paragraph describing the difference between systematic and targeted soil sampling.