

## Ecology of Soil Carbon Laboratory Services

| Laboratory Analysis  | Service                              | Unit                                       | TAMU*             | Non-TAMU* |
|--|--------------------------------------|--|-------------------|-----------|
| Extracellular Enzyme Activities:<br>4-MUB- $\beta$ -glucoside<br>4-MUB- $\alpha$ -glucoside<br>4-MUB-cellobioside<br>4-MUB-b-D-xyloside<br>4-MUB-phosphate<br>4-MUB-N-acetyl-b-glucosaminide | Full service (performed by lab)      | Per sample (includes labor)                | \$7.50            | \$10.00   |
|  | Student run                          | Per sample (includes training)             | \$3.50            | \$5.00    |
| Soil and Plant Elemental Analysis - <b>CHNS</b><br><br>Run on Elementar Vario el Cube CHNS/S-infrared combustion analyzer  | CN, CHN                              | Per sample (lab runs Elementar)            | \$10.00 – \$12.00 | \$15.00   |
|  | CHNS                                 | Per sample (includes IR-trace S detection) | \$20.00           | \$30.00   |
|  | Acid Fumigation                      | Per sample (for TOC)                       | \$5.00            | \$8.00    |
|  | Sample grinding                      | Per sample                                 | \$3.00            | \$5.00    |
|  | Sample weighing                      | Per sample                                 | \$3.00            | \$5.00    |
| Permanganate Oxidizable Carbon, <b>POxC</b> (reactive carbon)  | Field Method                         | Per Sample                                 | \$5.00            | \$8.00    |
|  | High throughput 96-well plate method | Per Sample                                 | \$5.00            | \$8.00    |
|  | Sample grinding                      | Per sample                                 | \$3.00            | \$5.00    |
| *There are options for collaborator discounts  |                                      |  |                   |           |