

Soil Sample Dry

DTPA solution						
into AA machine						
testing for each:						
Fe, MN, Cu, Zn						
	enter # from machine (ppm)	dilution factor (1 or higher)	multiply the two previous numbers			
LOI Station						
testing for each: OM%, OC%, ENR (lb/acre)						
	enter crucible wt (g)	enter initial wt. (g)	enter final wt. (g)	$\% \text{ LOI} = ((\text{initial wt} - \text{final wt}) / (\text{initial wt} - \text{crucible wt})) * 100$		
	$\text{OM}\% = \% \text{ LOI}$	$\text{OC}\% = (\text{OM} / 1.724)$	$\text{ENR (lb/acre)} = (20.036 * \text{OM}(\text{LOI})) + 37.429$			