

ACCOUNT NUMBER



Scientists who don't mind getting dirty.™

## COVER CROP & CROP RESIDUE\*

SUBMITTED BY		REFERENCE INFORMATION	
Name		Name / Project	
Street			
PO Box			
City, State, Zip			
E-mail Address		Phone Number	

LAB NUMBER <small>(Lab Use Only)</small>	FIELD	FARM	SAMPLE ID	COVER CROP(S) / RESIDUE TYPE	*AREA SAMPLED (sq. inches)	TESTS <sup>#</sup>		
						PBIO1	PBIO2	OTHER

### \*NUTRIENT COMPOSITION OF COVER CROPS AND CROP RESIDUE

<b>Background</b>	Cover crops and other crop residues provide many benefits to soil: reduced erosion, increased organic matter, improved structure, etc. Knowing their nutrient composition provides important information to assess nutrient management and conservation activities.
<b>Sampling</b>	Select a uniform site from the field. Place a small hula-hoop or 24" x 24" square on the soil surface and collect all the above ground portion of the plants (cut about 1-inch above the soil surface) or residues within the circle or square. If the cover crop is radish or turnip, <b>Do Not</b> include the tubers, but only the vegetation above the tubers. Place all the cover crop in a large grocery bag.
<b>*Area Calculation</b>	<p>Calculate the area of the collection site:</p> <p><u>Circle</u> = <math>3.14 \times \text{radius} \times \text{radius}</math> (radius = <math>\frac{1}{2}</math> of the diameter)</p> <p>example: If the circle had an inner diameter of 18 inches, the radius would be 9 inches. The area of the circle would be: <math>3.14 \times 9 \text{ inches} \times 9 \text{ inches} = 254.34 \text{ square inches}</math></p> <p><u>Square</u> = length x width</p> <p>example: If the inner sides of the square are 24 inches each, the area of the square would be: <math>24 \text{ inches} \times 24 \text{ inches} = 576 \text{ square inches}</math></p>
<b>Reporting</b>	Analysis results will be reported on our <b>Crop Biomass Report</b> . Results will also be expressed as nutrient content per unit area (pounds per acre).

### #PLANT BIOMASS TEST PACKAGES

<b>PBIO1</b>	<b>Plant Biomass Package 1</b> - Sample Dry Weight, Sample Area, Biomass, Total Nitrogen
<b>PBIO2</b>	<b>Plant Biomass Package 2</b> - Sample Dry Weight, Sample Area, Biomass, Total Nitrogen, Total Carbon, C:N Ratio, Phosphorus, Potassium, Magnesium, Calcium, Sodium, Sulfur, Boron, Zinc, Manganese, Iron, Copper, Aluminum.

### ADDITIONAL INFORMATION
