



# Waters Agricultural Laboratories Inc

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Account Number

## COVER CROP & PLANT BIOMASS SUBMITTAL FORM

CHARGE TO:	
Name:	
Address:	
City, State, Zip	
Phone:	

GROWER INFORMATION:	
Name:	
Farm/Field:	
Email(s):	

				PACKAGES	
LAB NUMBER (Lab Use Only)	SAMPLE ID	COVER CROP(S) / RESIDUE TYPE	TOTAL AREA SAMPLED (square inches)	PBM#1	PBM#2

### PLANT BIOMASS TESTING PACKAGES

**PBM#1 Plant Biomass Package 1:** Sample Dry Weight, Sample Area, Biomass & Total Nitrogen

**PBM#2 Plant Biomass Package 2:** Sample Dry Weight, Sample Area, Biomass, Total Nitrogen, PLUS: Total Carbon  
 C:N, P, K, Mg, Ca, Na, S, B, Zn, Mn, Fe, Cu & Al

### NUTRIENT COMPOSITION AND SAMPLING INSTRUCTIONS

Growing cover crops is one of the most beneficial practices that producers can use to improve their soil health. The establishment of a cover crop helps to provide grazing for livestock, reduces erosion and weed pressure, while increasing soil carbon and residual Nitrogen. To maximize the benefits of your cover crops, farmers need to maximize biomass. The amount of biomass that various crops produce ranges widely, but knowing how much is in a field is a critical piece of information for cover crop management.

#### Sampling Materials:

1. Quadrat frame typically made of PVC pipe, but could be made with wood or wire. Average size is 2ft x 2ft square.
2. Pruners, scissors, knife or machete
3. Clean collection container (plastic bucket, tarp or cloth)
4. Large Paper Bag

#### Sampling Instructions:

Select a portion of the field that is uniform and representative of the area in biomass, weeds, topography & soil conditions. Depending on the abundance of vegetation, your sampling area may need to be larger OR smaller than average. Place your 2ft x 2ft square on the soil surface and cutting approx 1 inch above soil surface, collect all the above ground portion of the plant material within the square. Place all the collected vegetation in a large paper bag.

