UNIVERSITY OF MARYLAND EXTENSION

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Converting Nutrient Content of Wastes From a Dry-weight Basis to an As-received (or Wet) Basis

Type of Material _____

Record from lab report:

1) solids (%) _____

2) nitrogen (total, % N) _____

3) ammonium nitrogen (% NH_4-N) _____

4) phosphorus (% P) _____

5) potassium (% K) _____

Calculate nutrients as percent N, P_2O_5 and K_2O to an as-received basis:

6) Convert % nitrogen (% N) from a dry-weight basis to an as-received basis.
   a. multiply **#2** by **#1** and divide by 100 _____

7) Convert % ammonium nitrogen (% NH_4-N) from a dry-weight basis to an as-received basis.
   a. multiply **#3** by **#1** and divide by 100 _____

8) Convert % phosphorus (% P) from a dry-weight basis to an as-received basis.
   a. multiply **#4** by **#1** and divide by 100 _____

9) Convert % phosphorus (% P) as-received basis to % phosphate (% P_2O_5) as-received basis.
   a. multiply **#8** by 2.29 _____

10) Convert potassium (% K) from a dry-weight basis to an as-received basis.
   a. multiply **#5** by **#1** and divide by 100 _____

11) Convert potassium (% K) as-received basis to potash (% K_2O) as-received basis.
   a. multiply **#10** by 1.2 _____

Include this worksheet in nutrient management plan.