



Analysis Report For:				Copy To:			
Zane Smith Smith Farms 123 Farmland Road Smithville PA 11111							
LAB ID:	SAMPLE ID:	REPORT DATE:	DATE SAMPLED:	COUNTY:	MATERIAL:	TYPE:	STORAGE SYSTEM:
M05245	Fresh	4/8/2012	04/01/12	Adams	Manure	Dairy Cattle	Fresh-No Storage

## MANURE ANALYSIS REPORT

Results on as sampled (wet weight) basis <sup>1</sup>

Analyte	lb/ton	lb/1000 gal
Solids:	14.60 %	
Total Nitrogen (N)	10.33	43.07
Ammonium N (NH <sub>4</sub> -N)	3.53	14.74
Calculated Organic N	6.79	28.33
Total Phosphate (P <sub>2</sub> O <sub>5</sub> )	4.09	17.07
Total Potash (K <sub>2</sub> O)	8.99	37.50

Optional Test Results:	pH	Carbon (C) (%)	C:N Ratio	Ash (%)	Volatiles (%)	Nitrate Nitrogen (lb/ton)   (lb/1000 gal)	Soluble Salts mmhos/cm   manure:water	PSC <sup>2</sup>

<sup>1</sup> Nutrient contents are presented as both “lb/ton” and “lb/1000 gal”. Choose results with the units that are most convenient for you. An assumed manure density of 8.34 lbs per gal was used to calculate results on a lb/1000 gal basis.

<sup>2</sup> P Source Coefficient for use in Pennsylvania P Index

Manure nutrients are not all equivalent to fertilizer nutrients. Phosphorus and potassium can be substituted directly for fertilizer to meet your soil test recommendation, but nitrogen (N) availability varies with handling. This must be accounted for in utilizing manure to meet soil test N recommendations. See the latest addition of the *Penn State Agronomy Guide* for the calculations used to estimate N availability and determine application rates.