PennState Extension

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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	4/8/26	4/1/26	Adams	Manure	Dairy Cattle	Fresh-No Storage

MANURE ANALYSIS REPORT

Results on as sampled (wet weight) basis unless otherwise noted

Analyte	Results		Nutrient content[1]	
			lb/ton	lb/1000 gal
Total Solids:	14.60	%	---	---
Total Nitrogen (N)	0.52	%	10.33	43.07
Organic Nitrogen (N)	0.34	%	6.73	28.06
Ammonium N (NH_4-N)	0.180	%	3.60	15.01
Total Phosphate (P_2O_5)	0.20	%	4.09	17.07
Total Potash (K_2O)	0.45	%	8.99	37.50

[1] 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 density of 8.34 lbs per gal was used to calculate results on a lb/1000 gal basis.

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 crop N needs. See the latest version of the *Penn State Agronomy Guide* for the calculations used to estimate N availability and determine application rates.