



# Auburn University Soil Testing Lab Manure Analysis Report



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Lab ID: 24.M026      Sample I.D.: JHS      Type of Sample: Horse Manure

Parameter	Content on Dry Matter Basis	Content on As Sampled Wet Weight Basis	Comments		
Dry/Wet (%)	74.7 (Dry Matter)	25.3 (Moisture)			
Ash (%)	30.0	22.4			
Sulfur (%)	0.26	0.19			
Organic Matter (%)	82.8	61.9	<b>As Sampled Fertilizer Value</b>		
Nitrogen (%)	2.24	1.67	N =	1.67	%
Phosphorus (%)	0.16	0.12	P <sub>2</sub> O <sub>5</sub> =	0.27	%
Potassium (%)	0.29	0.22	K <sub>2</sub> O =	0.26	%
Calcium (%)	1.29	0.96			
Magnesium (%)	0.28	0.21			
Aluminum (ppm)	1275	952			
Arsenic (ppm)	<0.1	<0.1			
Boron (ppm)	35	26			
Barium (ppm)	231	173			
Cadmium (ppm)	<0.1	<0.1			
Chromium (ppm)	13	10			
Copper (ppm)	56	42			
Iron (ppm)	1988	1485			
Manganese (ppm)	396	296			
Sodium (ppm)	295	220			
Nickel (ppm)	<0.1	<0.1			
Lead (ppm)	<0.1	<0.1			
Zinc (ppm)	166	124			
Nitrate-Nitrogen (ppm)	195	146			
pH	6.3	6.3			

### Fertilizer Value (lbs/ton)

	Dry Basis	Wet Basis
<b>Nitrogen</b>	<b>45</b>	<b>33</b>
<b>Phosphate, P<sub>2</sub>O<sub>5</sub></b>	<b>7.3</b>	<b>5.5</b>
<b>Potash, K<sub>2</sub>O</b>	<b>7.0</b>	<b>5.2</b>

‰: stands for parts per 100 of the material, ppm: Stands for parts per million, lbs/ton: stands for pounds per 2000 lbs of material.

Date: 10-4-24