



# Auburn University Soil Testing Lab Manure Analysis Report



Mayberry & Poor Inc  
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County: Jefferson

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Lab ID: 23.M006      Sample I.D.: 3-Fresh      Type of Sample: Horse Manure Compost

| Parameter                                    | Content on Dry Matter Basis | Content on Wet Weight As Sampled Basis | Comments                                      |
|--|-----------------------------|--|---|
| Dry/Wet (%)                                  | 43.5 (Dry Matter)           | 56.5 (Moisture)                        |   |
| Ash (%)                                      | 8.3                         | 3.63                                   |   |
| Sulfur (%)                                   | 0.27                        | 0.12                                   |   |
| Carbon (%)                                   | 53.29                       | 23.19                                  | <b>As Sampled Fertilizer Value</b>            |
| Nitrogen (%)                                 | 0.97                        | 0.42                                   | N = <b>0.42</b> %                             |
| Phosphorus (%)                               | 0.28                        | 0.12                                   | P <sub>2</sub> O <sub>5</sub> = <b>0.28</b> % |
| Potassium (%)                                | 0.64                        | 0.28                                   | K <sub>2</sub> O = <b>0.33</b> %              |
| Calcium (%)                                  | 0.55                        | 0.24                                   |   |
| Magnesium (%)                                | 0.23                        | 0.10                                   |   |
| Aluminum (ppm)                               | 856                         | 372                                    |   |
| Arsenic (ppm)                                | <0.1                        | <0.1                                   |   |
| Boron (ppm)                                  | 10                          | 4                                      |   |
| Barium (ppm)                                 | 58                          | 25                                     |   |
| Cadmium (ppm)                                | <0.1                        | <0.1                                   |   |
| Chromium (ppm)                               | 8                           | 3                                      |   |
| Copper (ppm)                                 | 29                          | 12                                     |   |
| Iron (ppm)                                   | 1125                        | 489                                    |   |
| Manganese (ppm)                              | 244                         | 106                                    |   |
| Sodium (ppm)                                 | 1400                        | 609                                    |   |
| Nickel (ppm)                                 | <0.1                        | <0.1                                   |   |
| Lead (ppm)                                   | <0.1                        | <0.1                                   |   |
| Zinc (ppm)                                   | 82                          | 36                                     |   |
| pH   | 7.0                         | 7.0                                    |   |
| Nitrate-Nitrogen (ppm)                       | 404                         | 176                                    |   |
| Soluble Salts (ppm)                          | 1736                        | 756                                    |   |
| Organic Matter (%)                           | 91.7                        | 39.9                                   |   |
| <b>Fertilizer Value (lbs/ton)</b>            |                             |  |   |
|  | <b>Dry Value</b>            | <b>Wet Value</b>                       |   |
| <b>Nitrogen</b>                              | <b>19</b>                   | <b>8.4</b>                             |   |
| <b>Phosphate, P<sub>2</sub>O<sub>5</sub></b> | <b>13</b>                   | <b>5.6</b>                             |   |
| <b>Potash, K<sub>2</sub>O</b>                | <b>15</b>                   | <b>6.6</b>                             |   |

Per cent (%) multiplied by 20 equals pounds per ton. Parts per million (ppm) multiplied by 0.002 equals pounds per ton.

Date: 1-6-23