Table S1. Physical properties of soils under A. gigantea stands at 13 sites in southern Illinois.

*Standard error of the mean. ‡Mean and range represent 12 sites.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mean ± SE*</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Strength (MPa)</td>
<td>0.59 ± 0.02</td>
<td>0.04-1.42</td>
</tr>
<tr>
<td>Water Content (%)</td>
<td>30.75 ± 1.51</td>
<td>4.40-59.70</td>
</tr>
<tr>
<td>Infiltration (cm hr⁻¹)‡</td>
<td>61.40 ± 20.76</td>
<td>5.74-198.89</td>
</tr>
<tr>
<td>Bulk Density (g cm⁻³)</td>
<td>1.32 ± 0.02</td>
<td>1.01-1.59</td>
</tr>
<tr>
<td>Sand (%)</td>
<td>18.70 ± 1.78</td>
<td>4.00-46.80</td>
</tr>
<tr>
<td>Silt (%)</td>
<td>63.76 ± 2.06</td>
<td>34.00-79.60</td>
</tr>
<tr>
<td>Clay (%)</td>
<td>17.53 ± 1.02</td>
<td>8.00-29.20</td>
</tr>
</tbody>
</table>

Table S2. Chemical properties of soils under A. gigantea stands at 13 sites in southern Illinois.

*Standard error of the mean.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Mean ± SE*</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.09 ± 0.18</td>
<td>5.30-7.10</td>
</tr>
<tr>
<td>Phosphorus (kg ha⁻¹)</td>
<td>57.60 ± 7.72</td>
<td>17.59-120.61</td>
</tr>
<tr>
<td>Potassium (kg ha⁻¹)</td>
<td>235.80 ± 18.38</td>
<td>125.63-366.84</td>
</tr>
<tr>
<td>Calcium (kg ha⁻¹)</td>
<td>4079.13 ± 465.57</td>
<td>1368.12-8084.34</td>
</tr>
<tr>
<td>Magnesium (kg ha⁻¹)</td>
<td>866.37 ± 380.73</td>
<td>198.50-5348.10</td>
</tr>
<tr>
<td>Organic Matter (%)</td>
<td>2.27 ± 0.06</td>
<td>1.80-2.60</td>
</tr>
<tr>
<td>CEC (meq 100 g⁻¹)</td>
<td>12.37 ± 0.99</td>
<td>6.30-17.80</td>
</tr>
</tbody>
</table>