Table SF1.1 Summary of soil CO₂ flux sampling dates in the prairie (P), fertilized prairie (PF), and continuous corn (CC) systems for determination of root growth-derived contributions.

<table>
<thead>
<tr>
<th></th>
<th>2012</th>
<th>2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>Crops Sampled</td>
<td>Date</td>
</tr>
<tr>
<td>June 1</td>
<td>P, PF</td>
<td>May 18</td>
</tr>
<tr>
<td>June 12</td>
<td>P, PF</td>
<td>June 3</td>
</tr>
<tr>
<td>June 24</td>
<td>P, PF, CC</td>
<td>June 13</td>
</tr>
<tr>
<td>July 10*</td>
<td>P, PF, CC</td>
<td>June 18</td>
</tr>
<tr>
<td>July 23</td>
<td>P, PF, CC</td>
<td>June 29</td>
</tr>
<tr>
<td>July 30</td>
<td>P, PF</td>
<td>July 6</td>
</tr>
<tr>
<td>Aug 15</td>
<td>P, PF, CC</td>
<td>July 13</td>
</tr>
<tr>
<td>Aug 24</td>
<td>P, PF, CC</td>
<td>July 20</td>
</tr>
<tr>
<td>Sept 16</td>
<td>P, PF, CC</td>
<td>July 27</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aug 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aug 20</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sept 6</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sept 25</td>
</tr>
</tbody>
</table>

*On this date soil CO₂ measurements were made approximately every 4 hours during shade application in addition to normal sampling efforts