Speed Scouting for Soybean Aphid

For blank forms, go to https://www.ent.iastate.edu/soybeanresearch/content/extension

Directions for Speed Scouting:

1. Go to a plant at random and start counting aphids. If less than 40 aphids are on the ENTIRE plant, mark a minus [-] for that non-infested plant. If you reach 40 aphids, STOP COUNTING (this is the speedy part!) and mark a plus [+] for that infested plant.

2. Walk 30 rows or paces at random to find the next plant. Repeat Step #1 until 11 plants are sampled in different areas of the field. Total the number of infested plants [+] to make a treatment decision.

3. If you must ‘CONTINUE SAMPLING’ (7-10 plants with a [+] ), sample 5 more plants and use the new total number of plants to make a decision.

4. If no decision is reached, sample additional sets of 5 plants until 31 plants are sampled. Remember, always use the total number of infested plants [+] to make a decision. If no decision can be made after sampling 31 plants, resample the same field in 3-4 days.

5. A ‘TREAT’ decision must be confirmed a second time 3-4 days later. If confirmed, apply an insecticide in 3-4 days.

Remember:
- Use [+] or [-] notations for each plant sampled.
- = < 40 aphids/ plant (‘non-infested’) 
  + = ≥ 40 aphids/ plant (‘infested’) 

Remember: If you have to continue sampling, add the previous number of infested plants [+] to the next 5-plant count to make a treatment decision.

Field Location: ____________________________________
Average Plant Stage: _______________________________
Date: ____________________________________________
Treatment Decision: ________________________________
Field Notes:  ______________________________________

<table>
<thead>
<tr>
<th>DO NOT TREAT, resample in 7-10 days</th>
<th>CONTINUE SAMPLING 5 more plants</th>
<th>TREAT, confirm again in 3-4 days</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 or less</td>
<td>7 to 10</td>
<td>11</td>
</tr>
<tr>
<td>10 or less</td>
<td>11 to 14</td>
<td>15 or more</td>
</tr>
<tr>
<td>14 or less</td>
<td>15 to 18</td>
<td>19 or more</td>
</tr>
<tr>
<td>18 or less</td>
<td>19 to 22</td>
<td>23 or more</td>
</tr>
<tr>
<td>22 or less</td>
<td>23 to 26, Stop sampling! Return in 3-4 days</td>
<td>27 or more</td>
</tr>
</tbody>
</table>

Speed Scouting was originally developed by Erin Hodgson, Brian McCorrncak, and David Ragsdale, University of Minnesota Entomology Department.