

# Speed Scouting for Soybean Aphid

Developed by E. Hodgson, B. McCormack, & D. Ragsdale  
University of Minnesota Entomology Dept.]

Field: **Sample 1**

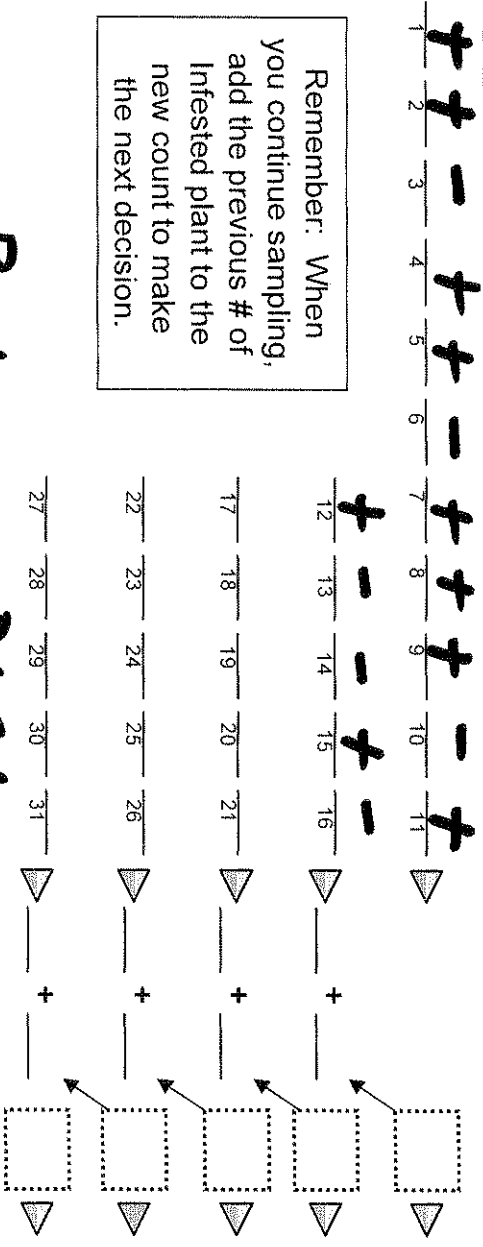
Date: **28 July '04**

Decision: \_\_\_\_\_

- Directions**
- Go to the first plant at random. If less than 40 aphids are on the entire plant, mark a minus [-] for that non-infested plant. If at least 40 aphids are on the plant (STOP COUNTING when you reach 40 - this is the speedy part), mark a plus [+] for that infested plant.
  - Choose a direction at random and walk 30 rows or paces to the next plant.
  - Repeat Step #1 until 11 plants are sampled in different areas of the field.
  - Make a decision using the total number of infested plants (the total number of pluses).
  - If you must 'continue sampling' (7-10 plants with a +), sample 5 more plants and use the new total number of plants (16) to make a decision.
  - If no decision is reached, sample additional sets of 5 plants until 31 plants are sampled. Remember, always use the total number of plants to make a decision.
  - If no decision can be made after sampling 31 plants, resample the same field in 3-4 days.
  - A 'TREAT' decision must be confirmed a 2<sup>nd</sup> time 3-4 days later. If confirmed, apply insecticide in 3-4 days.

Use these	- = Less than 40 aphids/ plant ('non-infested')	▶	Total # of	▶	DO NOT treat	CONTINUE	TREAT decision,
Notations:	+ = 40 or more aphids/ plant ('infested')	▶	Infested plants:	▶	Resample in 7-10 days	sampling 5 more plants	confirm in 3-4 days

Remember: When you continue sampling, add the previous # of infested plant to the new count to make the next decision.



6 or less	7 to 10	11 or more
10 or less	11 to 14	15 or more
14 or less	15 to 18	19 or more
18 or less	19 to 22	23 or more
22 or less	23 to 26	27 or more

Plant Stage: **R3, beginning Rd Set**

**STOP SAMPLING!**  
Resample the same field in 3-4 days.

**CONFIRM 'TREAT' DECISION**  
Resample the same field in 3-4 days  
Apply insecticide in 3-4 days if confirmed

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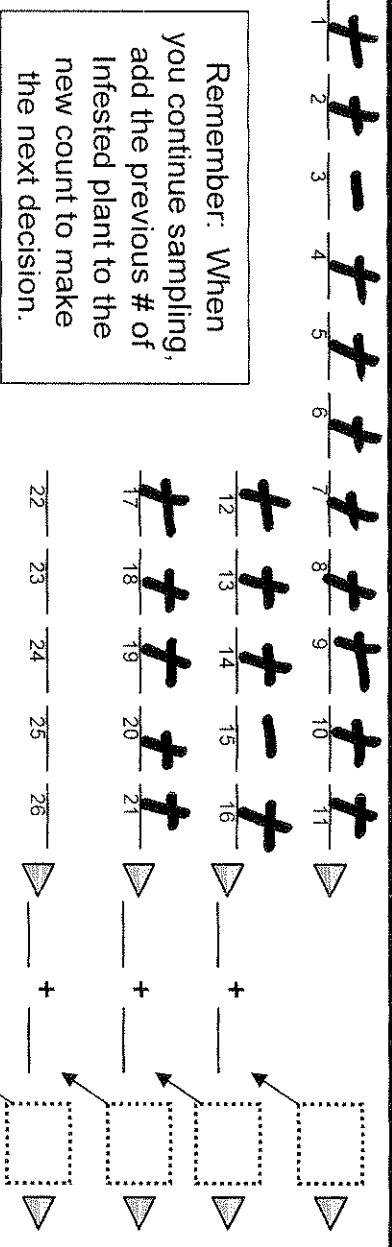
- Directions**
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  - Choose a direction at random and walk 30 rows or paces to the next plant.
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  - If no decision can be made after sampling 31 plants, resample the same field in 3-4 days.
  - A 'TREAT' decision must be confirmed a 2<sup>nd</sup> time 3-4 days later. If confirmed, apply insecticide in 3-4 days.

Field: **Sample 2**

Date: **15 July 04**

Decision: \_\_\_\_\_

Use these	- = Less than 40 aphids/ plant ('non-infested')	▶	Total # of	▶
Notations:	+ = 40 or more aphids/ plant ('infested')	▶	Infested plants:	▶



<b>6 or less</b>	<b>7 to 10</b>	<b>11 or more</b>
<b>10 or less</b>	<b>11 to 14</b>	<b>15 or more</b>
<b>14 or less</b>	<b>15 to 18</b>	<b>19 or more</b>
<b>18 or less</b>	<b>19 to 22</b>	<b>23 or more</b>
<b>22 or less</b>	<b>23 to 26</b>	<b>27 or more</b>

Remember: When you continue sampling, add the previous # of infested plant to the new count to make the next decision.

Plant Stage: **R<sub>2</sub>, Full Bloom**

Notes: \_\_\_\_\_

**STOP SAMPLING!**  
Resample the same field in 3-4 days.

**CONFIRM 'TREAT' DECISION**  
Resample the same field in 3-4 days  
Apply insecticide in 3-4 days if confirmed

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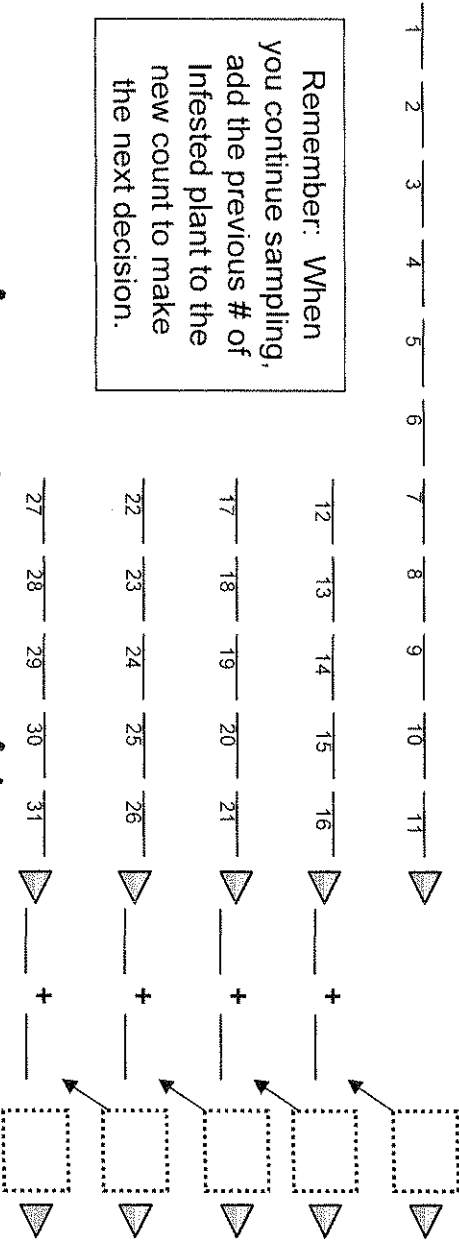
Field: Sample 3

Date: 29 June '04 Decision: \_\_\_\_\_

Use these - = Less than 40 aphids/ plant ('non-infested')  
Notations: + = 40 or more aphids/ plant ('infested')

DO NOT treat. Resample in 7-10 days	CONTINUE sampling 5 more plants	TREAT decision, confirm in 3-4 days
6 or less	7 to 10	11 or more
10 or less	11 to 14	15 or more
14 or less	15 to 18	19 or more
18 or less	19 to 22	23 or more
22 or less	23 to 26	27 or more

Remember: When you continue sampling, add the previous # of infested plant to the new count to make the next decision.



6 or less	7 to 10	11 or more
10 or less	11 to 14	15 or more
14 or less	15 to 18	19 or more
18 or less	19 to 22	23 or more
22 or less	23 to 26	27 or more

Plant Stage: V6, Late Vegetative

Notes: \_\_\_\_\_

**STOP SAMPLING!**  
Resample the same field in 3-4 days.

**CONFIRM 'TREAT' DECISION**  
Resample the same field in 3-4 days  
Apply insecticide in 3-4 days if confirmed