Speed Scouting for Soybean Aphid

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Go to www.soybeans.umn.edu
for FAQs and copies of the form.

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Directions

1. 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.
2. Choose a direction at random and walk 30 rows or paces to the next plant.
3. Repeat Step #1 until 11 plants are sampled in different areas of the field.
4. Make a decision using the total number of infested plants (the total number of pluses).
5. 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.
6. If no decision is reached, sample additional sets of 5 plants until 31 plants are sampled. Remember, always use the <u>total number of plants</u> to make a decision.
7. If no decision can be made after sampling 31 plants, resample the same field in 3-4 days.
8. A 'TREAT' decision must be confirmed a 2nd time 3-4 days later. If confirmed, apply insecticide in 3-4 days.

Field: _____   Date: _____   Decision: _____

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

▷   Total # of Infested plants: ▷

	DO NOT treat. Resample in 7-10 days	CONTINUE sampling 5 more plants	TREAT decision, confirm in 3-4 days
1 2 3 4 5 6 7 8 9 10 11 ▷	6 or less	7 to 10	11 or more
12 13 14 15 16 ▷ ___ + ___	10 or less	11 to 14	15 or more
17 18 19 20 21 ▷ ___ + ___	14 or less	15 to 18	19 or more
22 23 24 25 26 ▷ ___ + ___	18 or less	19 to 22	23 or more
27 28 29 30 31 ▷ ___ + ___	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.

Plant Stage: _____

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