

'Speed Scouting' for Soybean Aphid

40 or more aphids per plant = infested plant

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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 '-' for that non-infested plant. If at least 40 aphids are on that plant, (STOP COUNTING once you reach 40 - this is the speedy part) and mark a '+' for that infested plant. Choose a direction at random and walk 30 rows or 30 paces to the next plant.
2. Repeat step #1 until a minimum of 11 plants are sampled. Sample different areas of the field and not just the edge! Make a decision by using the total number of infested plants or the total number of '+'s. If no decision can be made (7-10 plants with a '+'), sample the next 5 plants for a total of 16 plants.
3. Sample additional sets of 5 plants until a treatment decision can be made. Always use the total number of plants to make a decision using the guidelines below. Continue with additional sets until 31 plants have been sampled.
4. After sampling 31 plants, use the total number of infested plants to make treatment decision. If no decision can be made (23-26 plants with a '+'), resample that same field in 3-4 days.

Field: _____ Date: _____ Decision: _____ Total sampling time: _____

Use these notations
for every plant:

— = 39 or less aphids/plant (non-infested plant)
 OR
 + = 40 or more aphids/plant (infested plant)

Total # of
infested plants

Do NOT treat,
resample every
7-10 days

Continue
sampling next
set of 5 plants

TREAT within 7
days, resample
every 7-10 days

1	2	3	4	5	6	7	8	9	10	11
—	—	—	—	—	—	—	—	—	—	—
12	13	14	15	16	—	—	—	—	—	—
17	18	19	20	21	—	—	—	—	—	—
22	23	24	25	26	—	—	—	—	—	—
27	28	29	30	31	—	—	—	—	—	—

Remember: if you have to continue sampling, add the previous infested plants with new counts to make the next decision!

→
 ___ + ___ = →
 ___ + ___ = →
 ___ + ___ = →
 ___ + ___ = →

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

Plant stage: _____

Other notes: _____

Stop sampling, must return to sample same field in 3-4 days