

'Speed Scouting' for Soybean Aphid

40 or more aphids per plant = infested plant

Field: **Sample 1** Date: **23 July 2004**

Decision: **Do not treat**

- Directions:
- 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.
 - 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.
 - 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.
 - After sampling 31 plants, use the total number of infested plants to make treatment decision. If no decision can be made that day (23-26 plants with a '+'), resample that same field in 3-4 days.

Use these notations
 — = 39 or less aphids/plant (non-infested plant)
 + = 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	8	6 or less	7-10	11 or more
						+	-	-	+	-						2 + 8 = 10	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

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

Plant stage: **R3, beginning pod set**

Other notes: **First visit to this field. Plants look healthy and lots of predators! I only spent 10 minutes in the field to make a decision. I will try to sample again in 7-10 days when pods are forming.**

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

'Speed Scouting' for Soybean Aphid

40 or more aphids per plant = infested plant

Field: **Sample 2** Date: **15 July 2004**

Decision: **TREAT**

- Directions:**
- 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.
 - 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.
 - 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.
 - After sampling 31 plants, use the total number of infested plants to make treatment decision. If no decision can be made that day (23-26 plants with a '+'), resample that same field in 3-4 days.

Use these notations for every plant:
 — = 39 or less aphids/plant (non-infested plant)
 + = 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
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+	+	-	+	+	+	+	+	+	+	+	+	▶	10
-	-	-	-	-	-	-	-	-	-	-	-	▶	6 or less
1	2	3	4	5	6	7	8	9	10	11	11	▶	7-10
+	+	+	+	+	+	+	+	+	-	+	+	▶	11 or more
						4	10	=	14	▶		11-14	
						5	14	=	19	▶		15 or more	
												▶	19 or more
												▶	15-18
												▶	14 or less
												▶	18 or less
												▶	19-22
												▶	23 or more
												▶	22 or less
												▶	23-26
												▶	27 or more

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

Plant stage: **R2, full bloom**

Other notes: **First time to this field. Some plants look yellow and started (not healthy), and lots of honey dew on plants. I spent 15 minutes in the field and will recommend a treatment ASAP.**

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

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

