

# 'Speed Scouting' for Soybean Aphid

40 or more aphids per plant = infested plant

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Prepared by Erin Hodgson, Brian McCornack, and David Ragsdale  
 Department of Entomology, University of Minnesota  
[hodgs005@umn.edu](mailto:hodgs005@umn.edu) or 612.624.8718

## 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.

Field: Near Rosemount Date: 29 June 2004 Decision: Resample 2 July

Use these notations for every plant:  
 — = 39 or less aphids/plant (non-infested plant)  
 OR  
 + = 40 or more aphids/plant (infested plant)

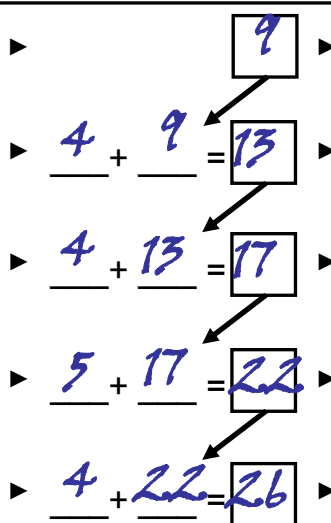
Total # of infested plants

Do NOT treat, resample every 7-10 days through pod set

Continue sampling next set of 5 plants

TREAT, schedule within 7 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



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

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

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

Plant stage: V6, late vegetative

Other notes: Aphids seem patchy. Lots of aphids on some plants, but some nearly zero. I also see many winged aphids that might migrate away. I will resample in 3 days to see if populations are increasing or crashing out.