



# Strawberry – Lygus Survey

## Supplement to UC IPM Pest Management Guidelines: Strawberry

**Grower** \_\_\_\_\_ **Sampling method** \_\_\_\_\_

**Field location** \_\_\_\_\_ **Date planted** \_\_\_\_\_

**Comments** \_\_\_\_\_

**Directions**

Begin monitoring weed hosts near the field in February. Begin monitoring strawberry plants for lygus adults in mid-April or earlier, depending on location. Begin weekly counts of lygus when first lygus adults found in strawberries.

1. Divide the field into blocks, or sections of the field you plan to treat separately as individual units.
2. Sample four 200-foot lengths of row in each block. In each length of row, sample one plant every 20 feet until 10 plants are sampled.
3. Sample by placing a beat sheet under the plant and beating with your hand. Count the number of lygus bugs that fall onto the sheet and record the number of lygus collected from each plant.
4. Total the number of lygus and multiply by 2 to get the estimated number of lygus per 20 plants for each block.

**Thresholds**

Apply the first pesticide if there is at least 1 lygus per 20 plants. For further pesticide applications, use the degree-day model for lygus bugs to target later generations of nymphs. (Refer to the Pest Management Guidelines for information.)

Date	Block	Number of lygus collected from each plant										Total # of lygus for all 10 plants	Estimated # lygus per 20 plants (Total x 2)
		1	2	3	4	5	6	7	8	9	10		