

Creating a Sampling Plan and Keeping Records

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Why Keep Records?

- Notice population trends
- Learn which problems are most troublesome in your site

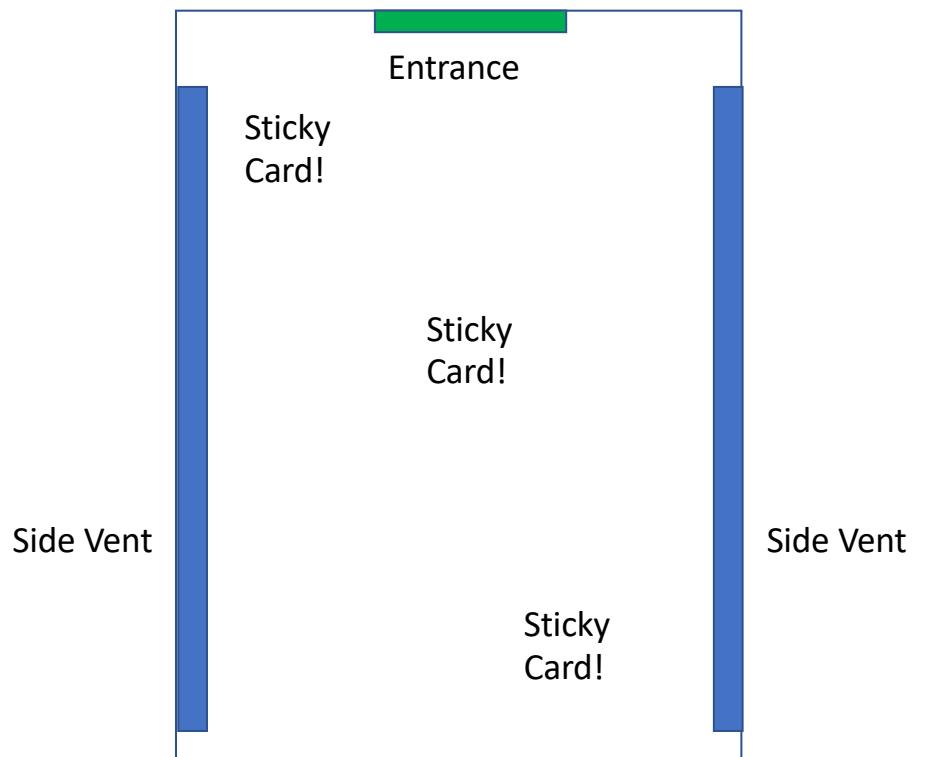


What should you document before you start?

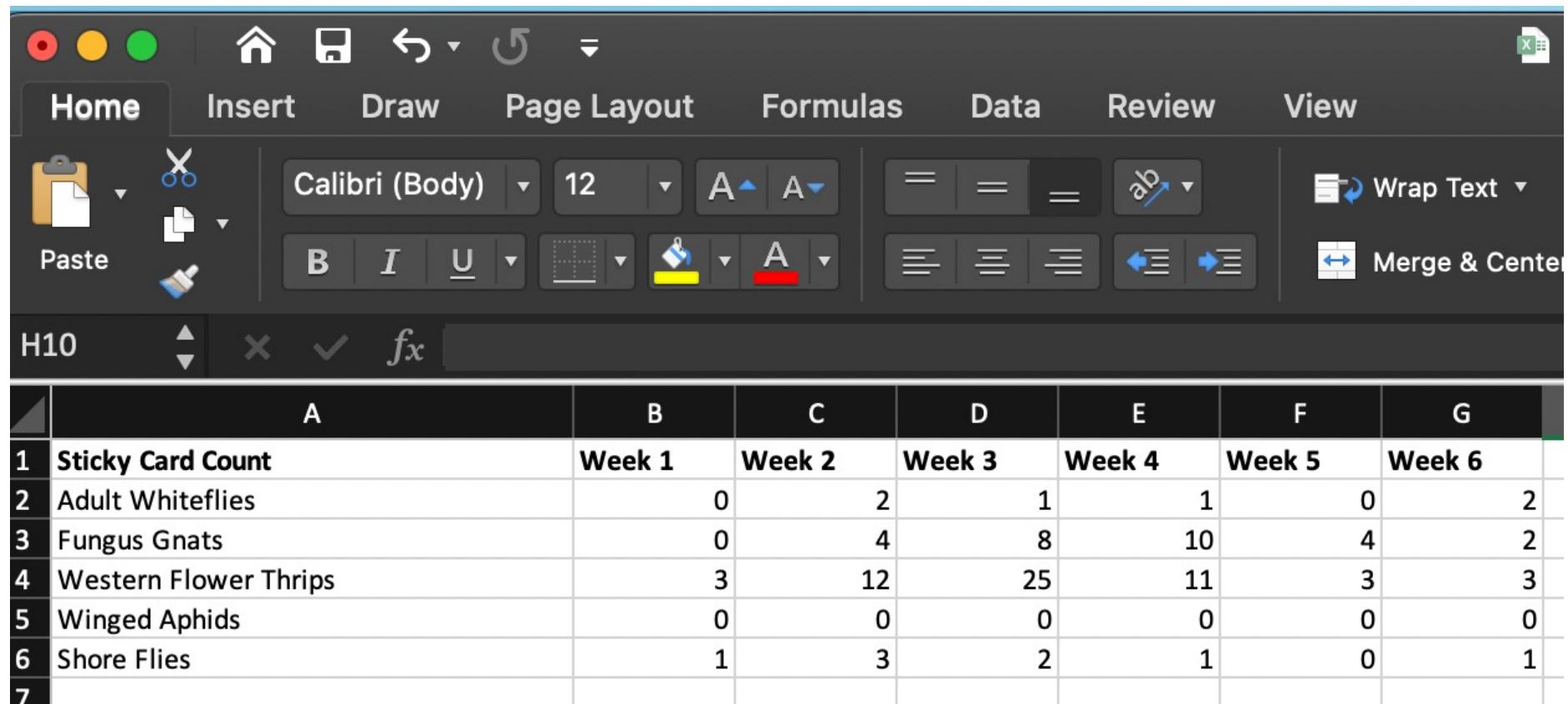
- Past disease, insect, mite challenges?
- Problematic plant species?
- Locations in the greenhouse that are of particular concern?

Tools and Techniques

- Map the Greenhouse
- Plan your route!
- Focus on:
 - Sites of entry (doors, vents)
 - High traffic areas (walkways)
 - Plants of concern



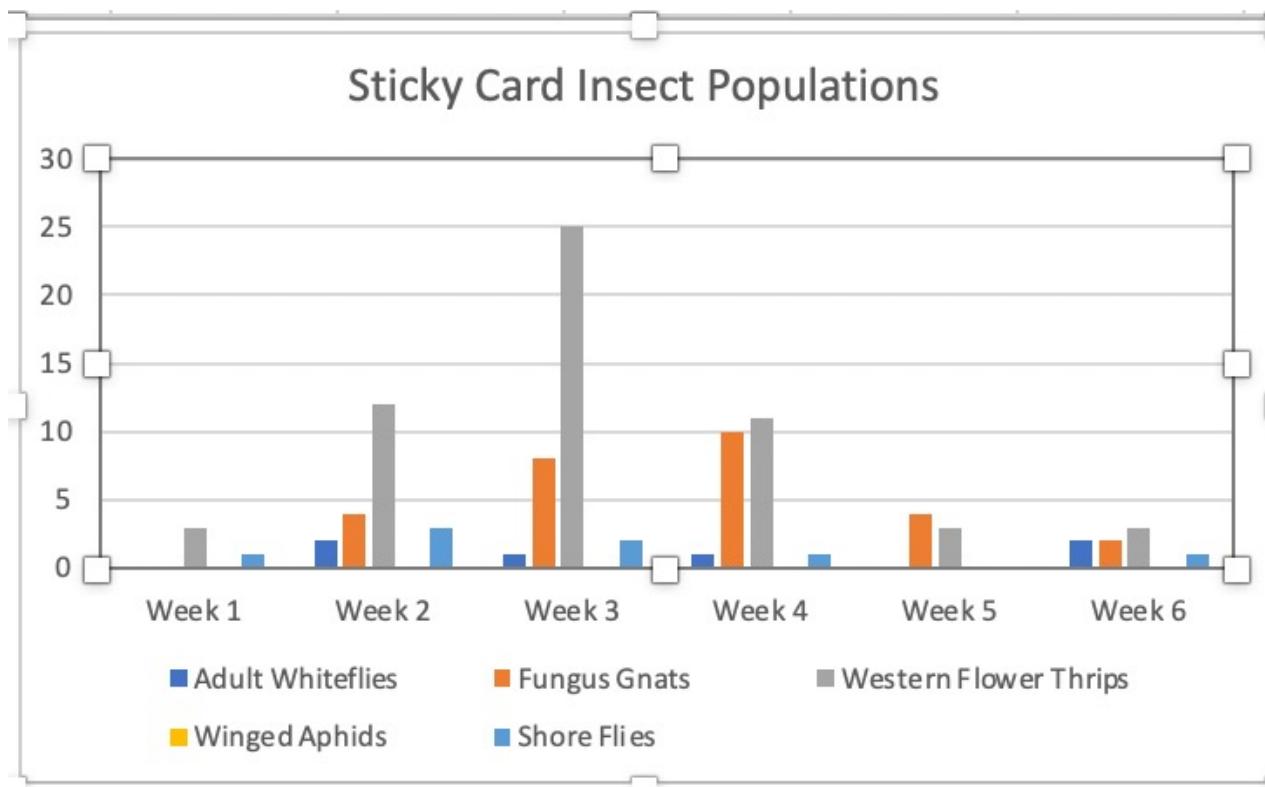
Record Keeping in Excel



The image shows a screenshot of the Microsoft Excel application. The ribbon is visible at the top with tabs for Home, Insert, Draw, Page Layout, Formulas, Data, Review, and View. The Home tab is selected. The formula bar shows the cell reference H10. The main area displays a data table with 7 rows and 7 columns. The columns are labeled A through G. The first row contains the header "Sticky Card Count". The second row contains "Adult Whiteflies". The third row contains "Fungus Gnats". The fourth row contains "Western Flower Thrips". The fifth row contains "Winged Aphids". The sixth row contains "Shore Flies". The seventh row is empty. The data for "Adult Whiteflies" is 0, 2, 1, 1, 0, 0, 2. The data for "Fungus Gnats" is 0, 4, 8, 10, 4, 4, 2. The data for "Western Flower Thrips" is 3, 12, 25, 11, 3, 3, 3. The data for "Winged Aphids" is 0, 0, 0, 0, 0, 0, 0. The data for "Shore Flies" is 1, 3, 2, 1, 0, 0, 1.

	A	B	C	D	E	F	G
1	Sticky Card Count	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
2	Adult Whiteflies	0	2	1	1	0	2
3	Fungus Gnats	0	4	8	10	4	2
4	Western Flower Thrips	3	12	25	11	3	3
5	Winged Aphids	0	0	0	0	0	0
6	Shore Flies	1	3	2	1	0	1
7							

Graphing Pest Populations



Form for Recording Plant Inspection

Greenhouse IPM Monitoring Report

Scout: _____

Date: _____

Plant #	Location	WF	FG	SF	Aphid	Thrips	Other	Root Health	Notes
Recommendations:									
Pesticides and Dates of Application:									

Form for Recording Sticky Card Data

Greenhouse IPM Monitoring Report

Scout: _____

Sticky Card Placement



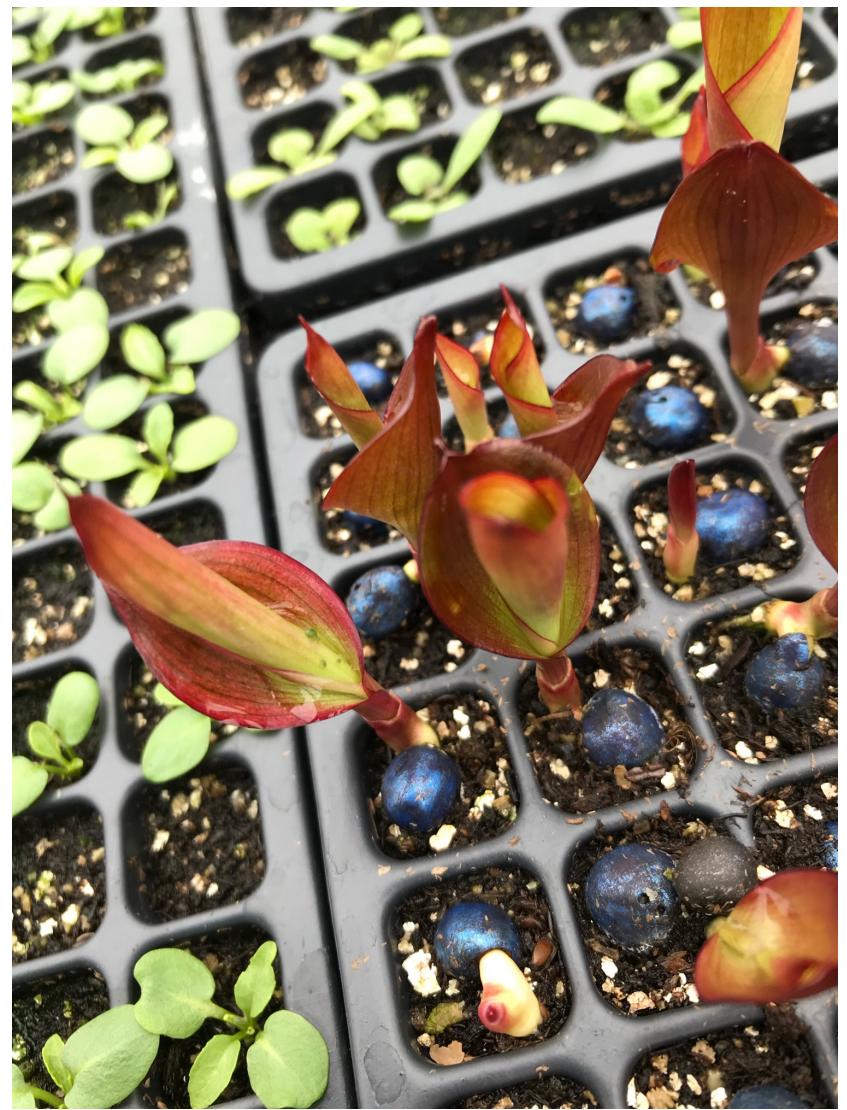
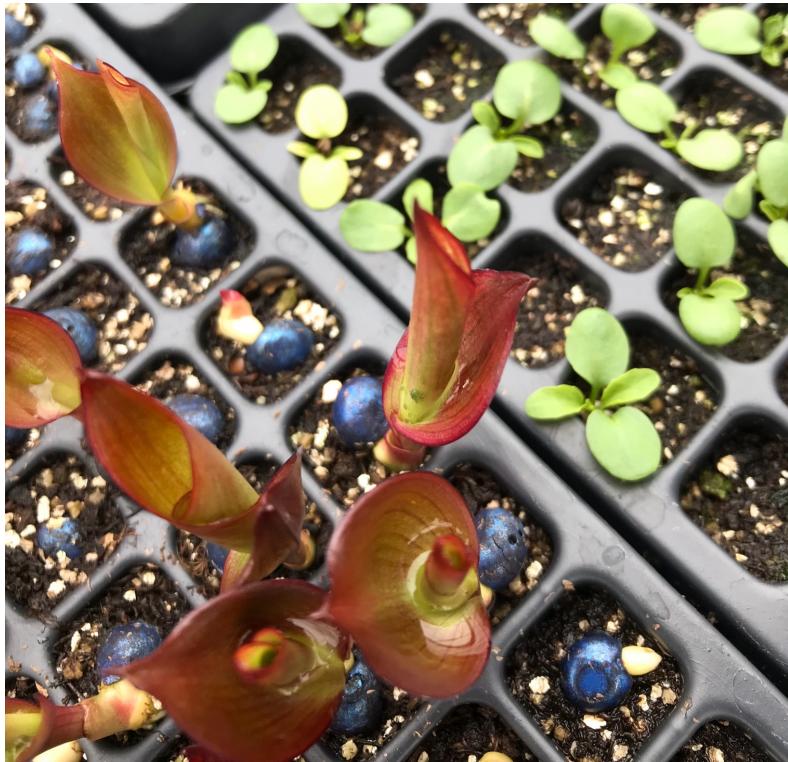
Improper Sticky Card Placement



Scout Pet Plants!



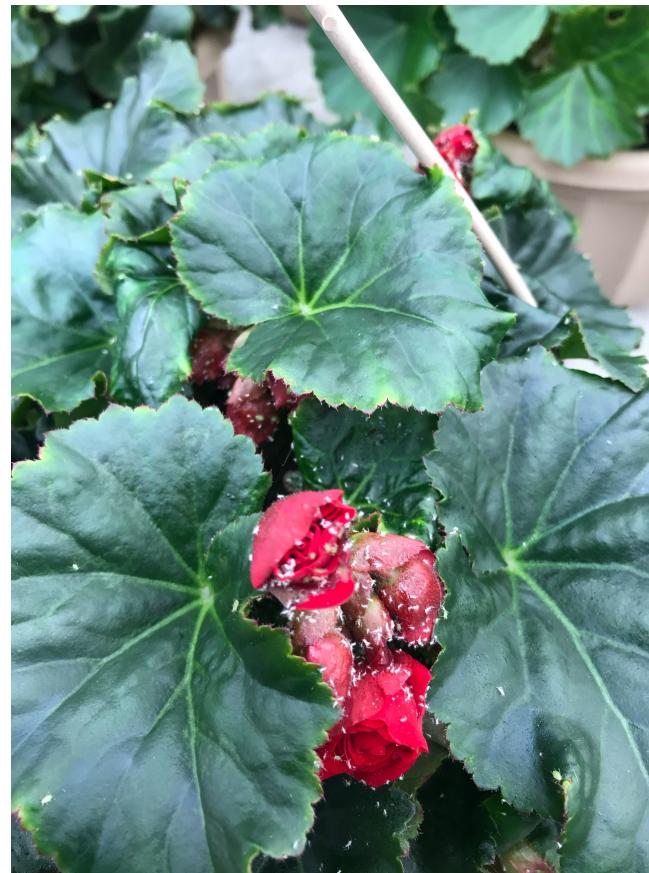
Scout Seedlings!



Scouting for Aphids on Sticky Cards



Scouting for Aphids



Sticky Card Placement

