Critter Links and Semi-Useful Diversions

Disclaimer: these links lead to websites that are not Evergreengrowers.com. Always read and follow pesticide labels, and follow any other relevant laws.

Scouting. It's at the beginning because it's important.

Identifying Critters on Sticky Cards: good for learning to recognize fungus gnats, aphids, whiteflies, some flying beneficials, and other insects that are common in greenhouses.

https://ag.umass.edu/sites/ag.umass.edu/files/fact-sheets/pdf/2010StickyCardPhotosIPM2LPSmall.pdf

Crop scouting for big ag crops, but excellent for understanding the concepts.

https://mospace.umsystem.edu/xmlui/handle/10355/7581

More info on scouting from one of the insectaries:

https://greenmethods.com/necessary/scouting-info/

Assessing Quality of Your Good Bugs

Vineland biocontrol research website – the "resources" section is very good. Grower guide to quality assessment is a must read. It is however a large file – important if you don't have unlimited cell phone data.

http://www.vinelandresearch.com/program/right-tools-integrating-biocontrol-systems-impact

General information

Cornell Floriculture and Greenhouse Horticulture Entomology. Learn more by just clicking around and learning about a lot of topics related to growing plants in a greenhouse:

https://entomology.cals.cornell.edu/extension/floriculture-and-greenhouse-horticulture-entomology

PNW Handbooks. Pest and disease info for the Pacific Northwest; a go-to first stop for plant pest disease information. Much of it is crop-specific.

https://pnwhandbooks.org/

The name says it all: print, fold, add a piece of string, and you have some help in the field.
Pocket Guide to Common Natural Enemies of Crop and Garden Pests in the Pacific Northwest

https://catalog.extension.oregonstate.edu/ec1613

How to describe the problem you see: words for signs and symptoms of unhappy plants.

http://extensionpublications.unl.edu/assets/pdf/ec1270.pdf

Greenhouse Best Management Practices (BMP) Manual from UMass Extension. We don't have a lot of customers in Massachusetts, but there is at least food for thought regardless of where you are.

https://ag.umass.edu/greenhouse-floriculture/greenhouse-best-management-practices-bmp-manual

Vapor pressure deficit in greenhouses. One variable in managing plant health.
http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.183.8399&rep=rep1&type=pdf

Insect larvae types.

https://entomology.ca.uky.edu/ef017

Unit conversions, etc.

https://ag.tennessee.edu/greenhouses/Documents/Pests%20and%20Control/HortConversions-http--pubs.caes.uga.edu--caespubs--pubs--PDF--B931.pdf

About biofungicides (some products no longer available, a number are missing, but still a useful reference)

https://ag.umass.edu/greenhouse-floriculture/fact-sheets/biofungicides

Nutrient deficiencies in Midwest field crops. Are your bean plants for spider mite monitoring looking strange and you wonder what nutrient deficiencies look like in beans?

https://plantsciencesweb.missouri.edu/nutrientmanagement/News_in_Missouri/IPM_1016.pdf

Critter-Specific Information

Bemisia and Pointsettia (from OMAFRA in Canada). Just remember – Canadian pesticide labels are different than US labels.

https://onfloriculture.wordpress.com/2018/06/15/strategies-for-whitefly-control-in-poinsettia/

Thrips

https://www.hort.vt.edu/ghvegetables/documents/Pest%20Management/ATTRA_Greenhouse%20IPM-Thrips.pdf

Insect exclusion methods

http://edis.ifas.ufl.edu/in730

Thinking about adding insect exclusion screen?

http://ipm.uconn.edu/documents/raw2/1066/2016insectscreeningfactsheet.pdf

Exclusion screen material comparison. There are differences.

https://hortscans.ces.ncsu.edu/uploads/e/v/evaluati_53ff966a4625e.pdf

Fungus gnats info from UC IPM

http://ipm.ucanr.edu/PMG/PESTNOTES/pn7448.html

More thrips action (great Western Flower Thrips pics):

https://www.canr.msu.edu/news/understanding_western_flower_thrips

Web spinning spider mites (just *T. urticae* and *T. mcdanieli*)

https://utahpests.usu.edu/uppdl/files-ou/factsheet/web-spinning-spider-mite97.pdf

Broad mites and cyclamen mites

https://www.bookstore.ksre.ksu.edu/pubs/MF2938.pdf

More on broad mites.

http://www.tnstate.edu/extension/documents/Broad%20Mites%20-%20TSUNRC%20Fact%20Sheet-1.pdf

Broad mites on Strawberries in Florida (no paywall!) Excellent pictures of the pests.

http://www.bioone.org/doi/10.1653/024.100.0406

An *A. swirskii* page

http://entnemdept.ufl.edu/creatures/BENEFICIAL/swirksi_mite.htm

Robin Rosetta's Aphid Page; some links are broken. She is retired now, please don't bother her about such things.

http://oregonstate.edu/dept/nurspest/aphids.htm

***Aphidius colemani*.** From Francesco Fiume in Italy. For the more technical crowd.

http://plantprotection.altervista.org/listinsect/aphidiuscolemani.html