

Establishing IPM for GA Citrus



Leanna Leach, MPPPM
Dr. Hanna and Dr. Riley

Sweet Frost™
Tangerine



Grand Frost™
Lemon



Pink Frost™
Grapefruit



Dr. Hanna's Citrus Plots UGA Tifton Campus





S2

8/1/2016



Citrus Scouting Sheet: Sticky Traps

Date	Plot	Fruit Fly	Other Flies	Wasps	Flower Thrips	Tobacco Thrips	Red Mite	Glassy-Winged Sharpshooter	White Fly	Psocid	Aphid		Unknown
1/25-1/29	S1	1	12	0	1	0	0	2	1	0	4		0
1/25-1/29	S2	0	42	0	1	2	0	0	3	0	8		0
1/25-1/29	S3	1	31	0	14	2	0	3	0	0	2		1
1/25-1/29	M1	3	5	0	0	0	1	1	3	0	0		0
1/25-1/29	M2	0	40	1	4	1	0	0	5	0	4		0
1/25-1/29	M3	2	34	0	19	0	0	4	5	0	2		1
1/25-1/29	L1	4	2	0	4	0	0	1	1	1	5		0
1/25-1/29	L2	0	1	0	1	0	0	2	2	0	0		2
1/25-1/29	L3	0	45	0	5	1	0	0	2	1	2		0

* Fruit fly, Other fly, Moths, Whitefly adults, Wasps, Sharpshooters, Psyllids, etc.

Scale Insects

California Red Scale
Florida Red Scale
Yellow Scale
Purple Scale
Brown Soft Scale
Black Scale
Cottony Cushion Scale
Snow Scale
Glover's Scale
Chaff Scale
Caribbean Black Scale
Florida Wax Scale

Chewing Insects

Forktailed Katydid
Broadwinged Katydid
Devastating Grasshopper
Valley Grasshopper
Eastern Lobber Grasshopper
American Locust
European Earwig
Diaprepes Root Weevil
Fuller Rose Beetle
Blue-green Citrus Root Weevil
Restless Bush Cricket
Jumping Bush Cricket
Little Leaf Notcher

Amorbia

Light Brown Apple Moth
Western Tussock Moth
California Orangedog
Giant Orangedog
Citrus Looper
Cabbage Looper
Beet Armyworm

Miners

Citrus Peelminer
Citrus Leafminer

Mealybugs

Citrus Mealybug
Comstock Mealybug

Thrips

Citrus Thrips
Greenhouse Thrips
Bean Thrips
Florida Flower Thrips
Orchid Thrips

Caterpillars

Citrus Cutworm
Orange Tortrix
Fruittree Leafroller
Omnivorous Leafroller

Whiteflies

Bayberry Whitefly
Citrus Whitefly
Woolly Whitefly
Cloudy-winged Whitefly
Citrus Blackfly

Aphids

Spirea/Citrus Green Aphid
Melon Aphid
Black Citrus Aphid
Brown Citrus Aphid

Psyllid

Asian Citrus Psyllid

Leafhoppers

Glassy-winged Sharpshooter
Potato Leafhopper

Ants

Argentine Ant
Native Gray Ant
Southern Fire Ant
Red Imported Fire Ant

Mites

Citrus Red Mite
Hydrangea Mite
Texas Citrus Mite
Two-spotted Spider Mite
Yuma Spider Mite
Broad Mite
Citrus Bud Mite
Citrus Rust Mite
Flat Mite
Pink Citrus Rust Mite
Six-spotted Mite

Other

Caribbean Fruit Fly
Mediterranean Fruit Fly
Mexican Fruit Fly
Melon Fly
Oriental Fruit Fly
Brown Garden Snail
Citron Bug
Leaf-footed Bug
Southern Green Stink Bug
Asian Cockroach
Eastern Subterranean Termite

Known pests in CA and FL

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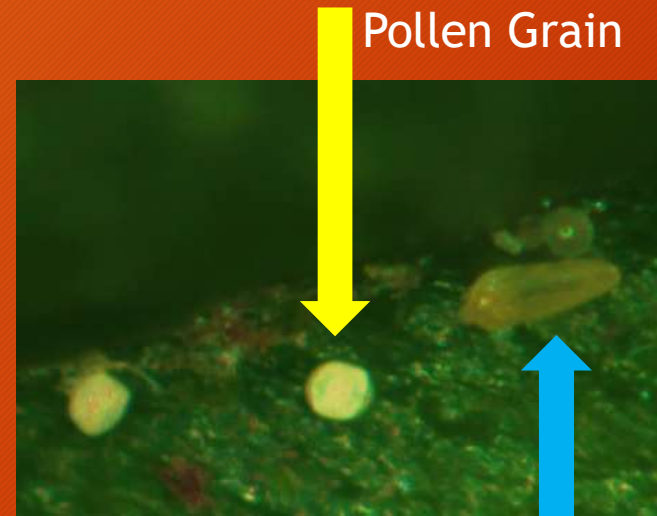
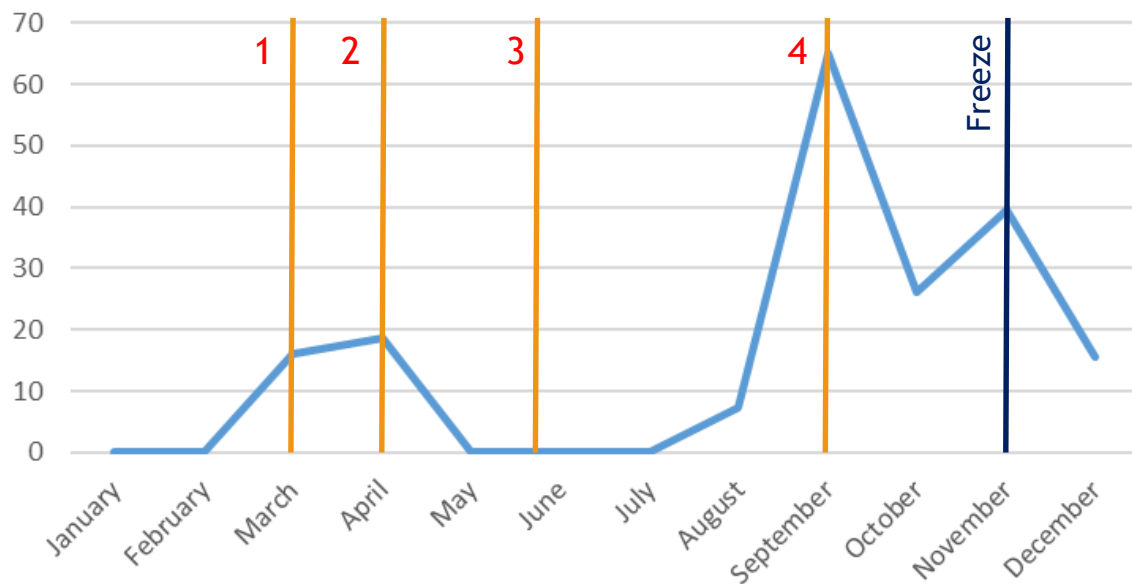
Known pests found in Tifton

Citrus Rust Mite

Phyllocoptruta oleivora

1. Horticulture Oil
2. Oil + Movento
3. Abamectin
4. Malathion

Citrus Rust Mite Population over time



Citrus Rust Mite (0.15mm)



Normal fruit



CRM damage

1 DOG Ventures, LLC.

-Camilla, GA

Dr. Hanna

-University of Georgia

Jake Price

-University of Georgia

-Lowndes County Extension Agent

Georgia Citrus Association

- on Facebook

