

Scouting forms and apps



Greenhouse Grower

What information is important?

- Depends on what the grower wants to know – if you are working for someone else
- Certainly, it depends on how your mind works to keep all the information together
- Gather more information than you think you might need



Can use an existing form or create your own

- Make sure it works for you
- Quick to fill out

One form for each bench

Local/general?

Codes

Define them before starting to scout

Mapping

PLANT PEST SCOUTING REPORT GREENHOUSE # _____ MONTH OF _____, 19____

PEST ENCOUNTERED	WEEK #1 _____		WEEK #2 _____		WEEK #3 _____		WEEK #4 _____		WEEK #5 _____	
	LOCAL	GENERAL								
Aphids										
Beneficials										
Caterpillars										
Fungus Gnats										
Pathogens										
Scales										
Spider Mites										
Thrips										
Whiteflies										
Other										

0= NONE FOUND
3= LIGHT POPULATION
6= MODERATE POPULATION
10=HEAVY POPULATION

INDICATE LOCAL POPULATIONS ON MAPS. LIST PROBLEMATIC PLANTS BELOW. ABBREVIATE W/THE MODEL AS EXAMPLE.

↑ N	↑ N	↑ N	↑ N	↑ N
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IPM Monitoring Form

Date	Nursery	Time		Total	IPM Specialist
		In	Out		

Comments:

Block	Host Plant	Size	Stage	Pest	Stage	Damage Site	Damage Level	Abundance	Natural Enemies	Control Action	Comments & Recommendations	Material	Date Applied	Evaluation

Key to Codes:

Host Plant Size:	Host Plant Stage:	Pest Stage:	Damage Site:	Damage Level:	Abundance:	Natural Enemies:	Recommendation:
<1ft seedling = 1	seedling = 2	egg = 1	bark = 1	none (0%) = 0	rare (<5%) = 1	rare = 1	no action = 1
1-3ft tall = 2	budding = 3	early instar = 2	bud = 2	trace (<5%) = 1	few (5-20%) = 2	few = 2	mechanical = 2
3-6ft tall = 3	flowering = 4	late instar = 3	flower = 3	light (5-10%) = 2	common (20-50%) = 3	common = 3	cultural = 3
6-8ft tall = 4	fruiting = 8	pupa = 4	fruit = 4	moderate (10-30%) = 3	abundant (50-90%) = 4	abundant = 4	biological = 4
>8ft tall = 5	leafing out = 9	adult = 5	foliage = 5	heavy (30-90%) = 4	extreme (100%) = 5		chemical = 5
	mature = 10	past damage = 6	miner = 6	total damage (100%) = 5			
	dormant = 11		borer = 7				
			roots = 8				
			dieback = 9				

Much more plant information

Also includes beneficials

Place for recommendation



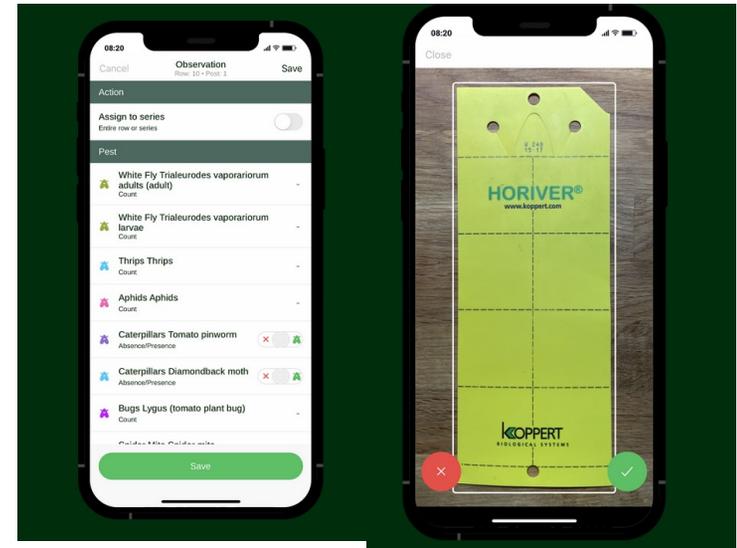
Apps for scouting

- Plant sample diagnosis
- Interactive apps
- Sticky card reading



Interactive apps

- GreenhouseScout – in progress
- IPM Scoutek
- Koppert
 - <https://www.koppertus.com/news-information/ipm-app/>
 - Scroll down for demo
 - Can add information manually
- Biobest – Crop Scanner
 - <https://www.biobest.com/products/crop-scanner#videos>
 - <https://www.youtube.com/watch?v=a9Gm4iOzlys>





Melon Aphid

Aphis gossypi

Download Fact Sheet

Beneficials

Aphidoletes >

Colemani >

Lady Bugs, Lady Beetles >

Symptoms and Damage



Symptom #2

- Suck plant sap from phloem
- Presence reduces quality
- Honeydew promotes growth of sooty mold
- May prefer certain species or varieties

Identification

Nymph (4 instars) – looks like adult but smaller

Adult

- No indentation on head
- Antennae shorter than body
- Cornicles dark, no matter what is the body color
- Smaller than green peach aphid

Monitoring

Monitoring #1

Description goes here...

Common Hosts

Integer in purus eu dui sagittis sodales. Donec at urna erat. Maecenas placerat tortor nulla, quis accumsan massa pretium ut. Integer non tellus neque. Cras fringilla diam auctor hendrerit hendrerit. Donec consectetur ipsum urna, ultrices elementum arcu vulputate et. Donec finibus ultricies est, et .

Lifestages

ultrices lacus ullamcorper a. Duis varius lectus metus, eu accumsan mi vulputate ut, Suspendisse potenti. Vivamus at risus lectus. Duis commodo risus nec tristique elementum. Vestibulum non interdum libero, id bibendum felis. Aliquam varius tellus vel tempus vestibulum

Optimal Conditions for Development

Integer in purus eu dui sagittis sodales. Donec at urna erat. Maecenas placerat tortor nulla, quis accumsan massa pretium ut. Integer non tellus neque. Cras fringilla diam auctor hendrerit hendrerit. Donec consectetur ipsum urna, ultrices elementum arcu vulputate et. Donec finibus ultricies est, et .



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My Locations

[Add Location](#) +

Name	Card	Recent Scout	Date	Recent Application	Date	Actions
Dahlias -U-pick	Card #1	Melon Aphid-20 Chilli Thrips-12	01/24/23	Andersoni-20	02/10/23	
Perennials - Field Rows	Card #1					
Peonies - Main	Card #2					

[Add Location](#) +

Legend

- View
- Edit
- Delete
- Scout
- Application
- QR
- Chart

New Scout Report

Report

02/03/23

What are you scouting for?

Enter numbers only please.

Pest

Cuban laurel thrips/Weeping fig thrips

Chilli thrips

Add Insect

Beneficial

Andersoni

Add Insect

Disease

Add Disease

Notes

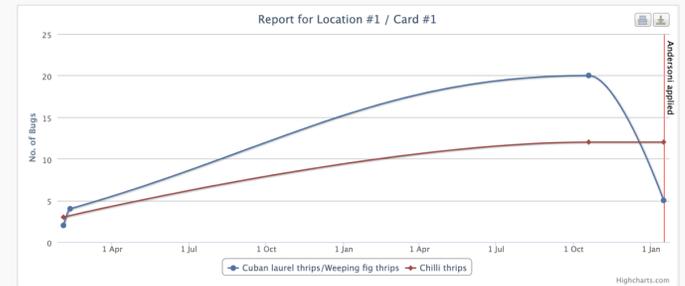
Cancel Save

Latest Scout Report

Report date	2/22/23
Chilli thrips	12
Cuban laurel thrips/Weeping fig thrips	5

Chart

Showing reports from 03/23/2023 to 04/23/2023



Date	Description	Actions
01/15/23	Andersoni applied: 500	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
10/29/22	Chilli thrips: 12 Cuban laurel thrips/Weeping fig thrips: 5	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
02/03/21	Chilli thrips: 12 Cuban laurel thrips/Weeping fig thrips: 20	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Filters

1 Month

Start date: 3/23/23 End date: 4/23/23

Scouted Pests/Beneficials

Cuban laurel thrips/Weeping fig thrips

Chilli thrips

Apply Reset

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Trap-eye

- https://www.greenhousegrower.com/production/ai-powered-sticky-card-analysis-trialed-at-michaels-greenhouses/?utm_source=email&utm_medium=newsletter&utm_campaign=ggenews02182026&oly_enc_id=5689H3211356G5J

