

Scouting forms and apps

CRIP - M.P. 94/65.16						
	Time	Est. Type	Time	Armedness	Status	Sex
Received	4/6					
Transmitted						
Transmitted			606			
Weight						
Small Machete	5P 4/27					
Shovel						
Tools	4/17/2016 10:40 13445 4/16					
Radio						
Phone						
Map						

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



Greenhouse IPM Scouting

House								
Date		CROP	WF	Thrips	F.G.	Aphids	S.F.	Other
House								
Date		CROP	WF	Thrips	F.G.	Aphids	S.F.	Other
House								
Date		CROP	WF	Thrips	F.G.	Aphids	S.F.	Other

House								
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House								
Date		CROP	WF	Thrips	F.G.	Aphids	S.F.	Other
House								
Date		CROP	WF	Thrips	F.G.	Aphids	S.F.	Other

When

Where

House
Crop

How many

Useful for
estimating time
needed or if you
charge hourly

* Sticky Cards and Potato Chunks at _____ Date _____

Location	Card No.	Days Up	White Fly	Thrips	Aphids	Fungus Gnat Adults	Fungus Gnat Larvae (on potatoes)	Shore Flies	Other
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
	11								
	12								
	13								
	14								
	15								
	16								

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

PEST ENCOUNTERED	WEEK #1		WEEK #2		WEEK #3		WEEK #4		WEEK #5	
	LOCAL	GENERAL	LOCAL	GENERAL	LOCAL	GENERAL	LOCAL	GENERAL	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 PROBLEM- ATIC PLANTS BELOW. ABBREVIATE W/THE MODEL AS EXAMPLE.	↑ N ↑ N ↑ N ↑ N ↑ N									

Codes → Define them before starting to scout

Mapping →

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:

<1ft seedling = 1
1-3ft tall = 2
3-6ft tall = 3
6-8ft tall = 4
>8ft tall = 5

Host Plant Stage:

seedling = 2
budding = 3
flowering = 4
fruiting = 8
leafing out = 9
mature = 10
dormant = 11

Pest Stage:

egg = 1
early instar = 2
late instar = 3
pupa = 4
adult = 5
past damage = 6

Damage Site:

bark = 1
bud = 2
flower = 3
fruit = 4
foliage = 5
miner = 6
borer = 7
roots = 8
dieback = 9

Damage Level:

none (0%) = 0
trace (<5%) = 1
light (5-10%) = 2
moderate (10-30%) = 3
heavy (30-90%) = 4
total damage (100%) = 5

Abundance:

rare (<5%) = 1
few (5-20%) = 2
common (20-50%) = 3
abundant (50-90%) = 4
extreme (100%) = 5

Natural Enemies:

rare = 1
few = 2
common = 3
abundant = 4

Action

Recommendation:

no action = 1
mechanical = 2
cultural = 3
biological = 4
chemical = 5

Much more plant information

Also includes beneficials

Place for recommendation



Apps for scouting

- Management options
- Plant sample diagnosis
- Interactive apps
- Sticky card reading



Management options

- UMass Greenhouse Pest Guide and Greenhouse Disease Guide – management options



Select a Treatment

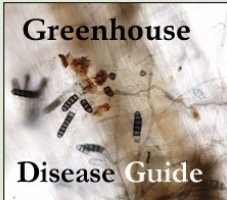
- [Biological Controls](#)
- [Pesticides](#)

[About This App](#)

[Home](#)
[Pick a Pest for Biological Control](#)

Mites, cyclamen

Pests	Biological Control	Biocontrol Comments
Mites, cyclamen	Amblyseius andersoni	Predatory mite for various mite species as preventative or for low populations. Gently roll sachets. Monitor plants for clean new growth.
Mites, cyclamen	Amblyseius californicus	Predatory mite for various mite species. Can survive on other mites and pollen and for a r to mix. Distribute onto leaves. Monitor for symptomless new growth.
Mites, cyclamen	Amblyseius cucumeris	Amblyseius cucumeris is also known as Neoseiulus cucumeris. Predatory mites for various m (larvae), honeydew and pollen. Gently roll bottle to mix. Distribute onto leaves or hang sachets. Monitor for clean symptomless new growth.
Mites, cyclamen	Neoseiulus cucumeris	Neoseiulus cucumeris is also known as Amblyseius cucumeris. Predatory mites for various mite species. Also eats thrips (eggs and young larvae), honeydew and pollen. Gently roll bottle to mix. Distribute onto leaves or hang sachets. Monitor for clean symptomless new growth.



[Home](#) [About the App](#)

Pick a Disease

Bacterial Diseases (Xanthomonas, Pseudomonas, Erwinia)
Botrytis (Gray Mold)
Downy Mildew
Fungal Leaf Spots
Powdery Mildew
Root/Crown Diseases (Pythium, Phytophthora)
Root/Crown Diseases (Rhizoctonia, Thielaviopsis)
Rusts
Stem Cankers
Vascular Wilts (Verticillium, Fusarium)
Viruses

Plant sample diagnosis



Plant Diagnostic Sample Submission

Developed by: Incubed
Countries: Canada,US
Languages: English



♥
Add to
favourite

↓ FREE ↗
Go to
Store

✉
Send to
email

Navigation: < | >

Cancel Landscape Ornamental Form 1 of 2 Next

Cultivar (if known)
Elijah Blue

Planting Size * required
8 Plants Acres

% Plants Affected * required
75 %

Approximate age of plant(s)
2 Years

Cancel Photos + Finish

Images ⓘ

This close-up reveals yellowing near the base of the fescue.

Describe this photo (required)

Photo Tips Done

Details: Include whole plant, middle distance and close up photos.

Navigation: < | >

Cancel Lab Selection Save

UConn
PLANT DIAGNOSTIC LAB

Lab Connecticut

Tap the field above to select a lab.

Connecticut
Illinois
Indiana
Kentucky County ANR/HORT Agents Only

Interactive apps

- GreenhouseScout – in progress
- IPM Scoutek
- Koppert



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 .



menu

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



Location 1

Card #1 ▾

Scout

Application

Chart

QR

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



menu

New Application Report

Report date

02/03/23

Cards Applied

- ☐ Card #1
☐ Card #2
☐ Card #3

Choose a Pest to target

Choose one pest from your pre-saved list or choose another pest to target.

☐ Cuban laurel thrips/Weeping fig thrips☐ Chilli thrips☒ Other

Select a Pest ▾

Latest Scout Report

Date: 03/22/23

42 Cuban laurel thrips/Weeping fig thrips

7 Chilli thrips

Notes

Select only one Beneficial or Pesticide below. If you need to apply more than one method to a pest create a separate report.

Beneficial

Select ▾

Pesticide

Select ▾

Amount Quantity

Rate / Units

Tasks

☐ Pruning☐ Washing

Cancel

Save

Save & new

Location 1

Card #1

Scout

Application

Chart

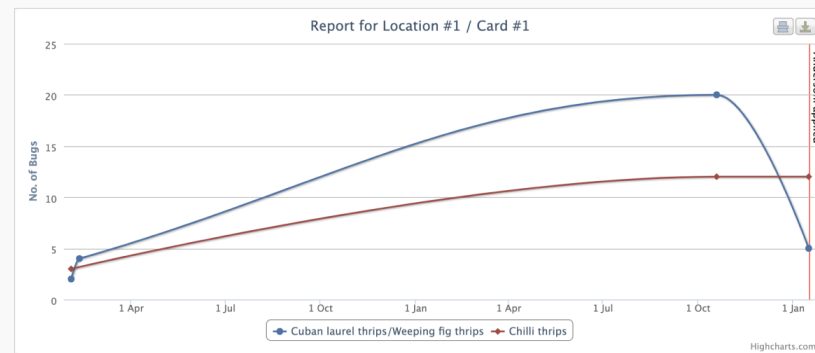
QR



menu

Chart

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



Date	Description	Actions
01/15/23	Andersoni applied: 500	View Edit Delete
10/29/22	Chilli thrips: 12 Cuban laurel thrips/Weeping fig thrips: 5	View Edit Delete
02/03/21	Chilli thrips: 12 Cuban laurel thrips/Weeping fig thrips: 20	View Edit Delete

Filters

1 Month

Start date

3/23/23

End date

4/23/23

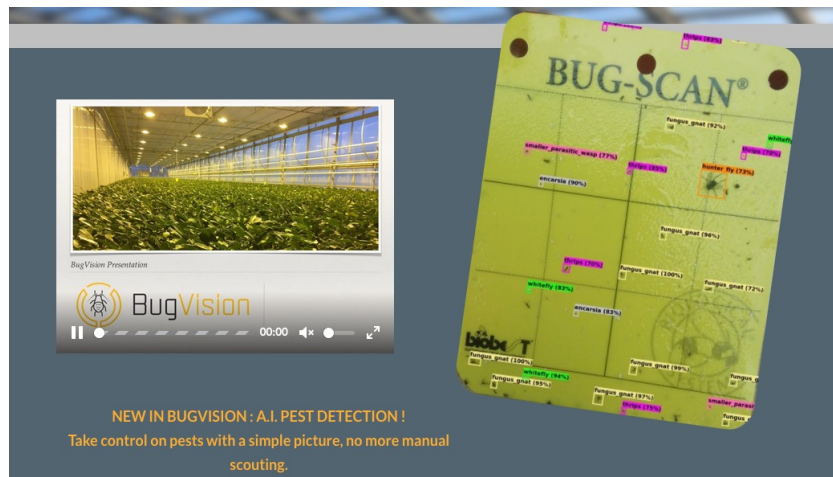
Scouted Pests/Beneficials

- ☐ Cuban laurel thrips/Weeping fig thrips
☐ Chilli thrips

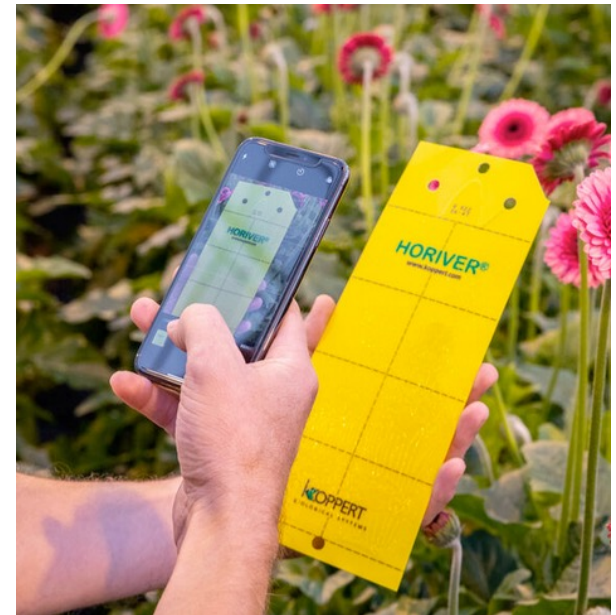
Apply

Reset

Sticky card reading



BugVision



Koppert Natutec – whiteflies only