

# Common Pests of Indoor Hydroponic Crops

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# There's Lot's of Insects Outside...

- Pool enclosures, hobbyist greenhouses, screen porches are only partly protected
- Sometimes all you block are the beneficials!!

# Insects Inside My House???

- Aphids
- Spider Mites
- Mealybugs
- Small flies (fungus gnats, fruit flies, phorid flies, etc.)

# IPM Basics

- Proper identification (Most Important!)
- Frequent scouting
- Prevention
- Safe and effective controls

# Aphids

- Range of colors
- Piercing-sucking mouthparts
- Aphids have 'tail pipes' (siphunculi)



# Aphids

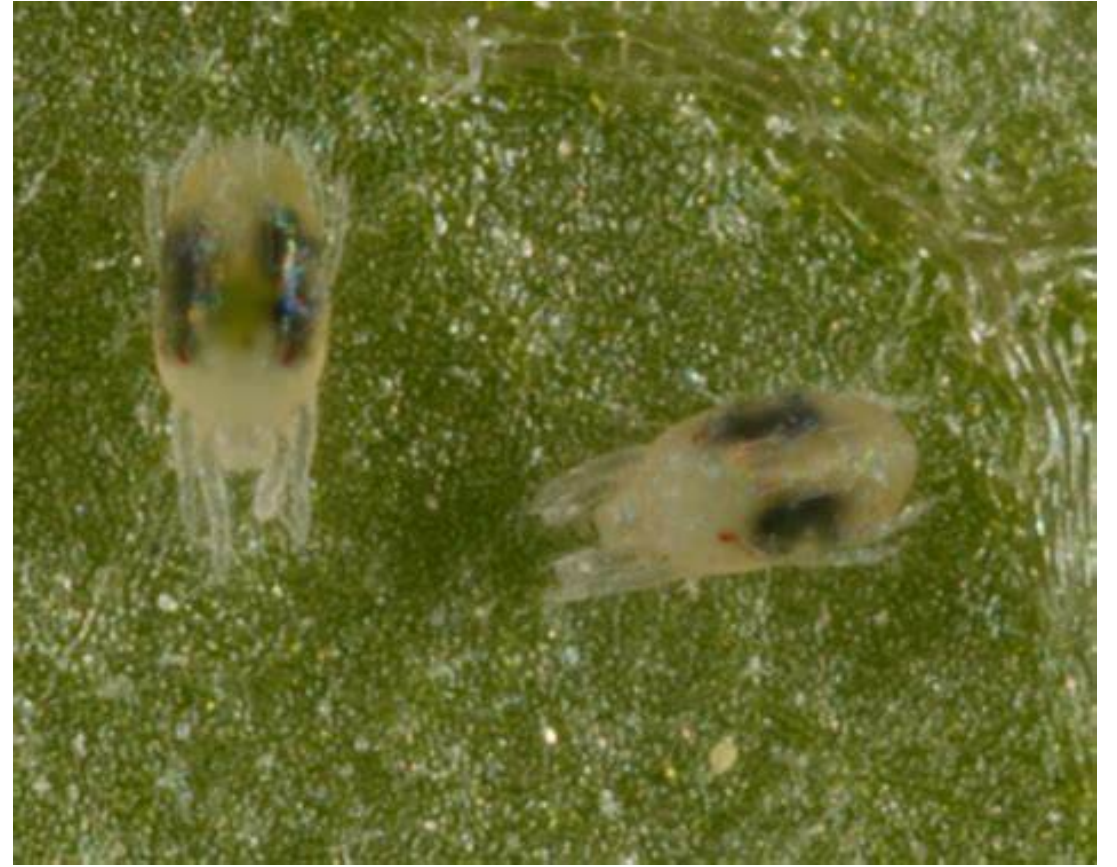


# Spider Mites

- Not really insects (8 legs)
- Piercing-sucking mouthpart causes distinctive 'stippling'
- Create webbing for protection



# Spider Mites





# Mealy Bugs

- Resemble tiny 'cotton balls'
- Piercing-sucking mouthparts
- Common house plant issue



# Mealy Bugs



# Fungus Gnats and Flies

- Fungus gnats, fruit flies, phorid flies, shore flies
- Breed in constantly wet areas
- Feed on decaying organic matter
- Mostly a nuisance, larvae can feed on plant roots



# Fly Pests

**Fruit Fly**



**Phorid Fly (AKA Drain Fly)**



# Best Defense.....

- Sanitation
- Avoid water, spills, puddles, etc.
- Wet substrates make attractive homes
- Choose the appropriate chemical control if needed

# Questions?

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