



Overview

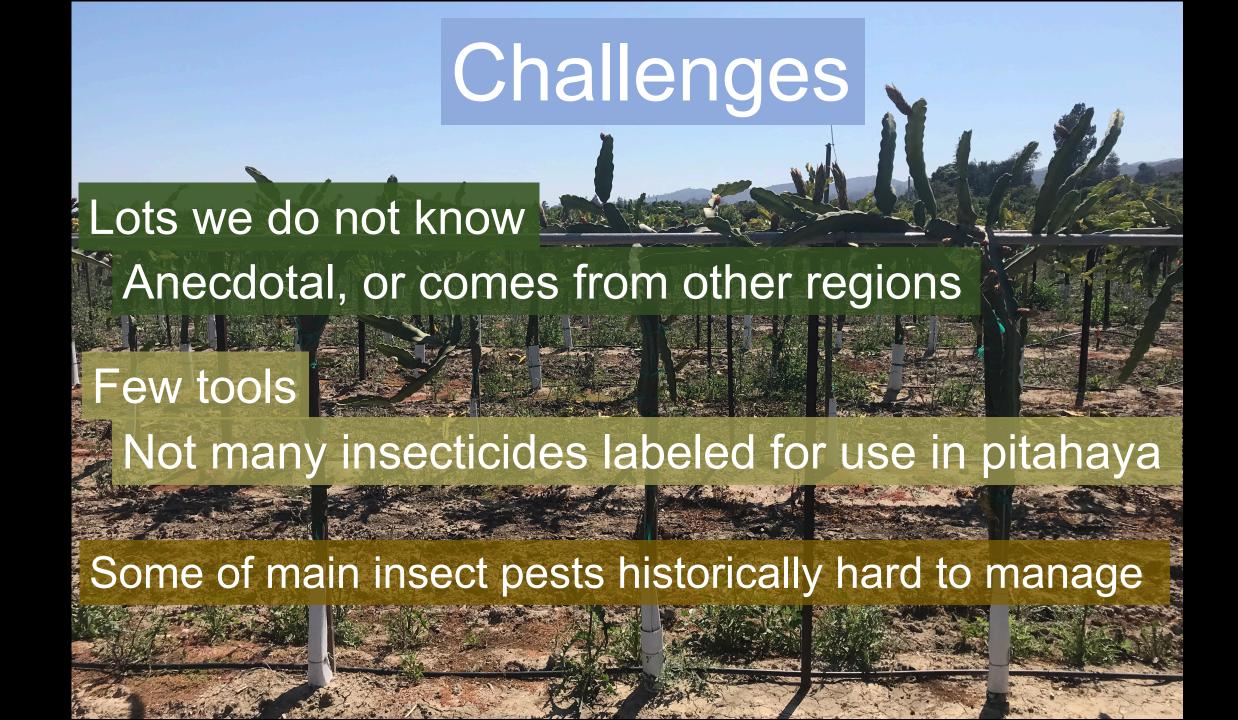
Main Pests
Ants, aphids,
Leaf-footed bugs,
thrips, scales,
snails.

ID and Damage Management

Scouting Prevention







Ants

Southern Fire Ants: Solenopsis xyloni

Identification

Small, numerous
Orange red with dark abdomen
Hard and shiny looking
Relatively slow
Can sting

Damage

Buds, fruit, growing terminals Leave "dirt" where they feed





Ants

Argentine Ant: Linepithema humile

Identification

Small, very numerous
Uniform, matte dark brown
Fast if disturbed
Form distinctive trails
Cannot sting

Damage

Supports sap sucking pests Protects them from predators



Ants

Forelius mccooki

Identification
Small, more sparse
Orange and translucent
Very fast
Cannot sting



Damage

May supports sap sucking pests

Does not seem to be problem currently

Southern Fire Ant Solenopsis xyloni

Argentine Ants Linepthile humile

Forelius mccooki



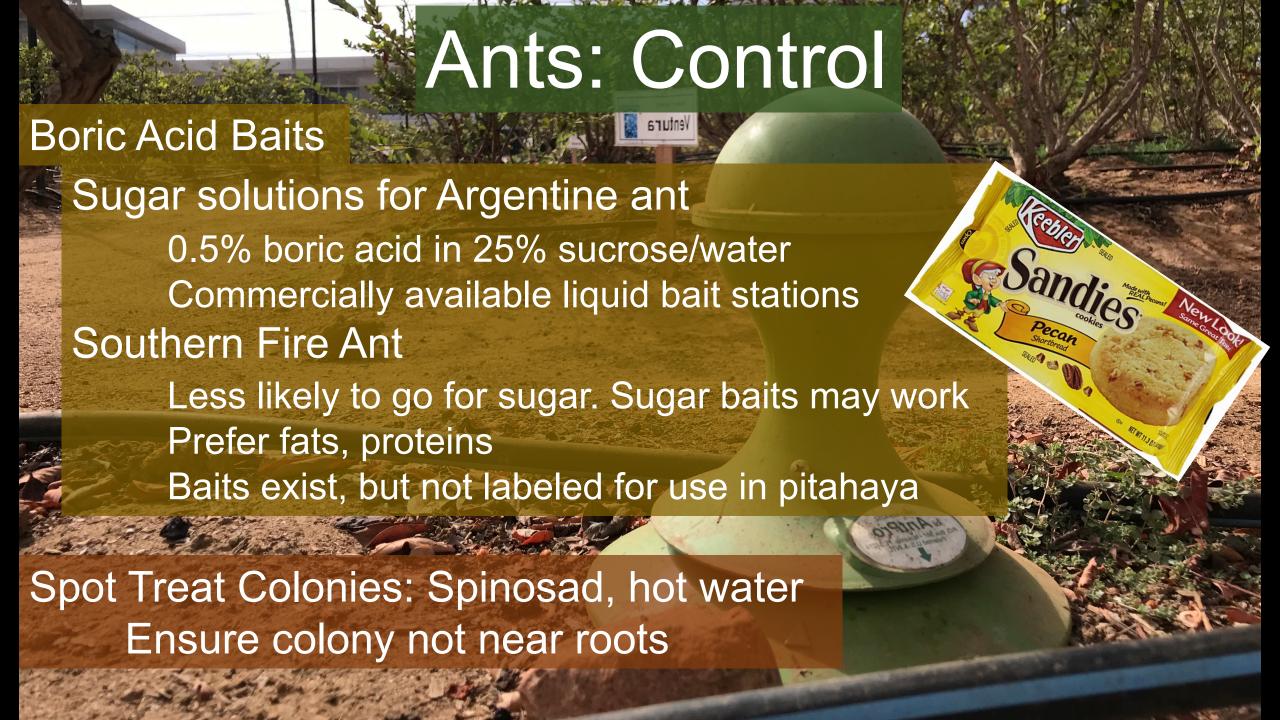








Unknown/None



Aphids

Identification

Small, soft, yellow-dark green/brown

Winged and wingless

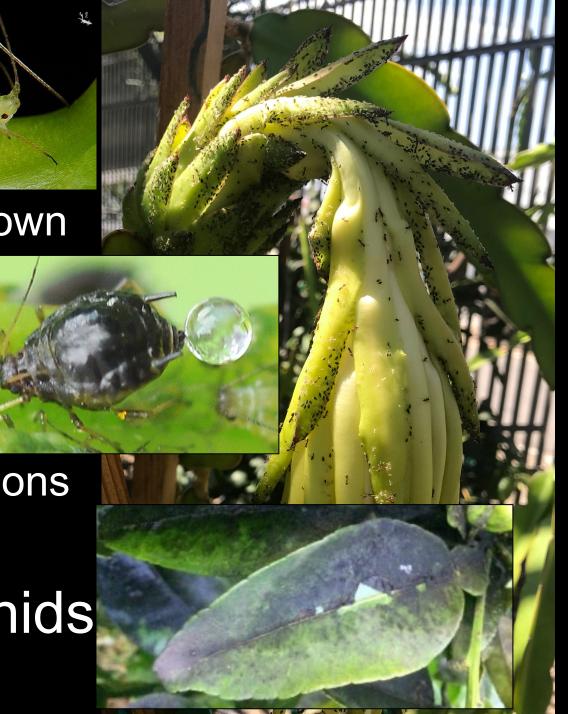
Creates honeydew, sooty mold

Damage

Feed on flowers: possible distortions

Sooty mold on fruit

Control ants to control aphids



Leaf-Footed Bugs

Leptoglossus spp, Narnia spp

Identification

Brown or dark with long legs Enlarged hind legs, like leaf Loud buzzing in flight Eggs laid in lines

Damage

Largely uncertain
Can damage fruit, buds
Damage varies in other regions







Leaf-Footed Bugs

Leptoglossus spp, Narnia spp

Control

Physically crush insects

Oils (neem) on nymphs if numerous

Remove weeds that may act as hosts

Monitor to determine extent of damage





Thrips

Western Flower Thrips

Frankliniella occidentalis

Small, yellow, elongate, feathery wings



Damage skin of fruit
Characteristic scaly skin
Monitor for damage
Can apply Spinosad, Spinetoram



Thrips

Western Flower Thrips

Frankliniella occidentalis

Small, yellow, elongate, feathery wings





Predators









Mealybugs, Scales

Scales: Small tan/white scales on plant

Mealybugs: Small, soft-bodied Come in waxy clumps



Often do not result in serious harm Insecticidal soaps, oils timed for crawlers. Natural Enemies



Brown Snails Cornu apsersum

Common garden snail Feeds on fruit, plants, leaving scars May be more problematic when wetter

Keep plants open to limit damage Copper, beer baits, diatomaceous earth Predatory snails







Scouting and Prevention

Observation is essential

Catch infestations before they get out of hand

Check individual plants, utilize traps
Yellow sticky traps, cookie baits as example
Clean up fallen fruit, remove dead plant material
Reduces ants, sources of pests

Keep plants healthy

Treat only when necessary

Reduces your costs and nontarget impacts



Summary



Southern Fire Ant Baits, Treat colonies



Argentine Ant Sugar baits



Aphids
Control ants



Leaf-footed Bugs Crush, Neem oil



Thrips Spinosad



Mealybugs, Scales Monitor, leave alone



Brown Snail Predators, copper

Summary



Spinosad

Leaf-footed Bugs

Crush, Neem oil

Monitor, treat only when necessary

Sugar baits

Mealybugs, Scales Monitor, leave alone

Observe carefully

Aphids
Control ants



Brown Snail Predators, copper



