STRAWBERRY TROUBLESHOOTING: DISEASE ID IN NURSERY STOCK AND FIELDS

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A REQUEST: STRAWBERRY BOTRYTIS SURVEY

Partnering with University of Maryland to ID pesticide-resistant gray mold

Please contact me if you see gray mold in your strawberries.

I will collect 20-40 leaves— you will get personalized spray recommendations.
NURSERY STOCK

• Sourcing matters!
• Large nurseries make contracts with smaller growers.
• Field conditions vary.
• Documentation now can help you make the best management decisions.
NURSERY STOCK

Look for these terms when choosing what and where to buy. They do not guarantee YOUR plants will be free of insect, fungal, or bacterial pests.

- Virus-indexed?
- Certified?
- Resistant to Xdisease?
HOW TO CHECK YOUR PLANTS
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- Sharp knife
- Cutting board
- Camera
- Notepad
- Hand lens
HOW TO CHECK YOUR PLANTS
BARE-ROOT BUNDLES

- Crown rots
- Mites
ANTHRACNOSE
MANAGING ANTHRACNOSE

• Tilt
• Pristine
• Switch
• Consider low tunnels
• Flood and tarp field after removing plants.
CYCLAMEN MITE TREATMENTS

- Hot water drip pre-plant: 110°F for 15 minutes.
- Agri-Mek*
- Danitol*
- Portal
PLUG PLANTS

• Crown rots (same as bare root, plus pestalotia)
• Cyclamen mites
• Bacterial leaf spot
NEOSTALOTIOPSIS AKA PESTALOTIA
BACTERIAL LEAF SPOT
TREATING BACTERIAL LEAF SPOT

- Double Nickel
- Actigard
- Badge

Lesions will affect quality of fruit.
FIELD SCOUTING

- Verticillium wilt
- Healthy
- Phytophthora root rot
- Winter injury
- Black root rot
WINTER INJURY
MULCHING

• Straw a better insulator than 2 layers of floating row cover
• 1 layer of floating row cover = earlier blooms
• Plants weakened if heavy mulch removed too late
RED STELE / PHYTOPHTHORA ROOT ROT
MANAGING RED STELE / PHYTOPHTHORA ROOT ROT

• Plant resistant varieties on heavy clay soils
• Use Rampart, Phostrol, or Ridomil Gold as preventative treatments
• Rogue infected plants
BLACK ROOT ROT
SPIDER MITES

https://ucanr.edu/blogs/blogcore/postdetail.cfm?postnum=18553
MANAGING SPIDER MITES

• Clean area around field now—remove pots, farming equipment, etc.
• Kanemite
• Portal
• *Danitol and many more.....
• Bi-weekly, preventative releases of predatory mites *persimilis* and *californicus*
• Release predatory mites at rates of 1,000 – 2,000 mites per acre, 2x/month after last frost.
THANK YOU!

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