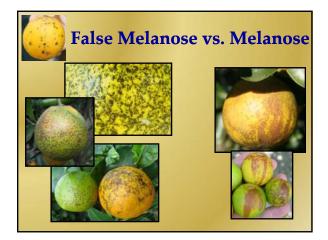




False Melanose

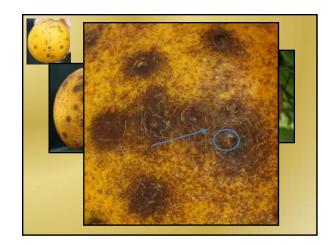
- ▶Looks like melanose from a distance▶Melanose is rough and is quite red
- Salse melanose is a large number of small slightly raised lesions with a smooth texture
 - ➤ Usually occurs in heavily infested groves
 - ▶Can occur on green fruit
 - ➤No fungal structures present
 - ➤ Can become hard spot later in season





Cracked Spot

- Reported to be interaction with rust mite damage
- Large, flat, dark brown lesions with raised cracks in their surface
 - ➤ Can become hard spot later in season
 - ▶Occurs on green and mature fruit





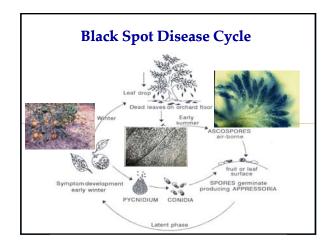
Virulent Spot

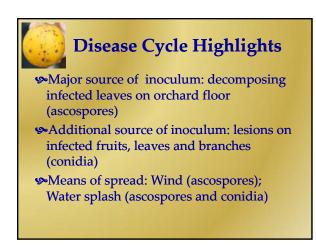
- Searly symptoms small reddish irregularly shaped lesions.
 - ➤ Can develop into either virulent spot or hard spot
- ❖Virulent spot is the expansion and/or fusion of many lesions covering most of fruit surface
 ➤Many fungal structures present
- Occurs only on mature fruit as well as post harvest in storage

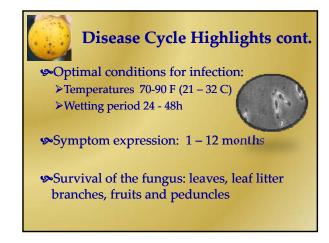
















Leaf Litter Reduction

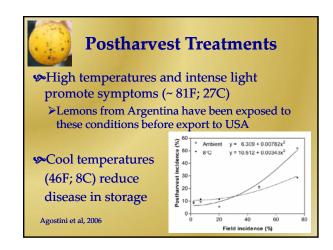
- Work done with Greasy spot fungus Mycosphaerella citri
 - ➤ Primary disease causing spores also formed in leaf litter
 - ▶ Need to determine effect on *G. citricarpa*
- Solution Found that litter/spores were reduced by 70-90% with urea (1 application), lime, ammonium sulfate and frequent irrigation
- **Source** of nitrogen important **→**
 - ➤nitrate little to no effect

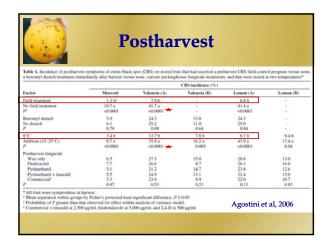


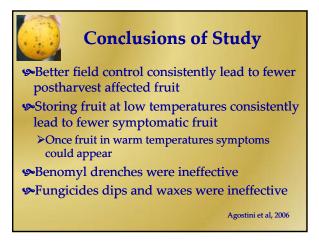
Fungicides

- Must work with fungicides registered for citrus in Florida
- Reported efficacy in other countries
- Copper all formulations found to be equivalent
- Strobilurins (Abound, Gem and Headline)











Effects on Fungal Viability

- Tested humidity, fruit vs. peel, temperature and length of time in storage for effects on ability to isolate fungus
 - ➤ Were able to isolate fungus after 40 days
 - ➤ G. citricarpa was viable long after fruit not marketable
 - ➤No treatment had a significant effect

Agostini et al, 2006

