

# Citrus Canker, *Xanthomonas citri* subsp. *citri* (Syn. *Xanthomonas axonopodas* pv. *citri*)

## Typical Symptoms on Grapefruit

Screening Aid for Citrus Canker Disease Symptoms by Dan Robl, Plant Pathologist, USDA, APHIS, PPQ, CHRP

Lesions go all the way through leaf...

are rough & raised,

with chlorotic halos,

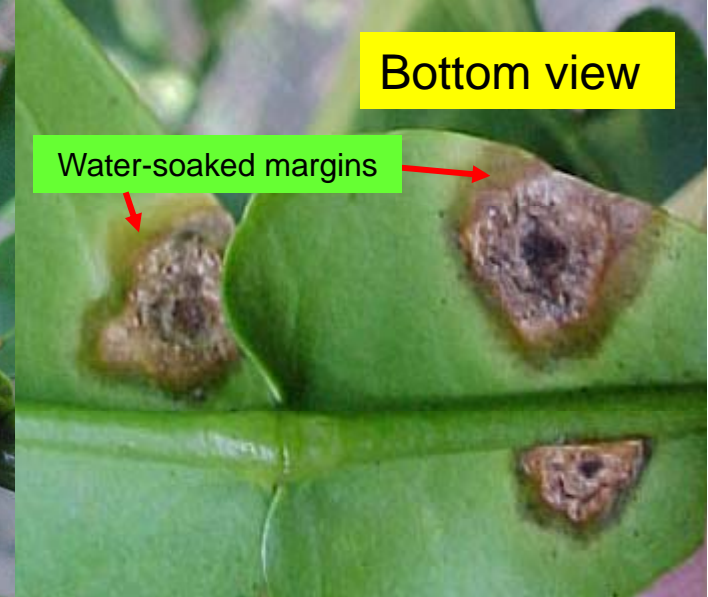
and water-soaked margins.

They are also spatially discrete,

usually round, and exhibit a pattern of concentric circles.

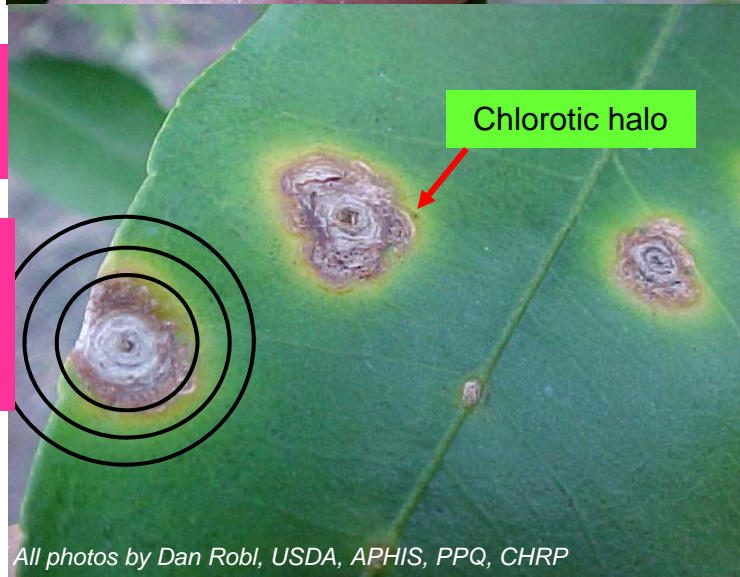


Top view

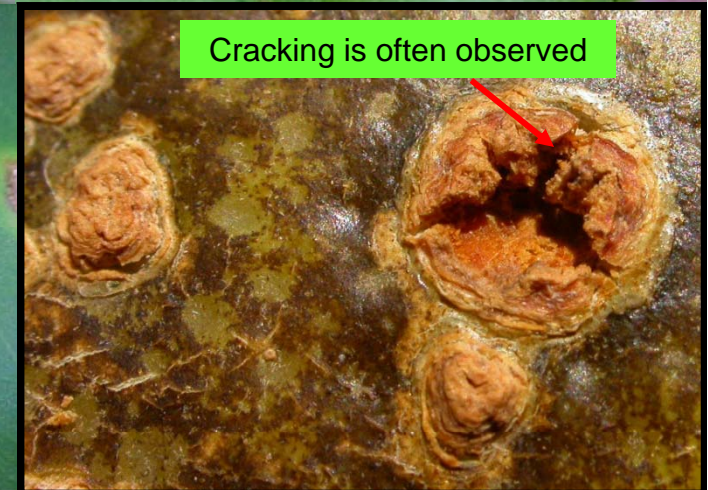


Bottom view

Water-soaked margins



Chlorotic halo



Cracking is often observed

Fruit lesions



All photos by Dan Robl, USDA, APHIS, PPQ, CHRP