



# Botrytis and Rusts

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# Botrytis blight



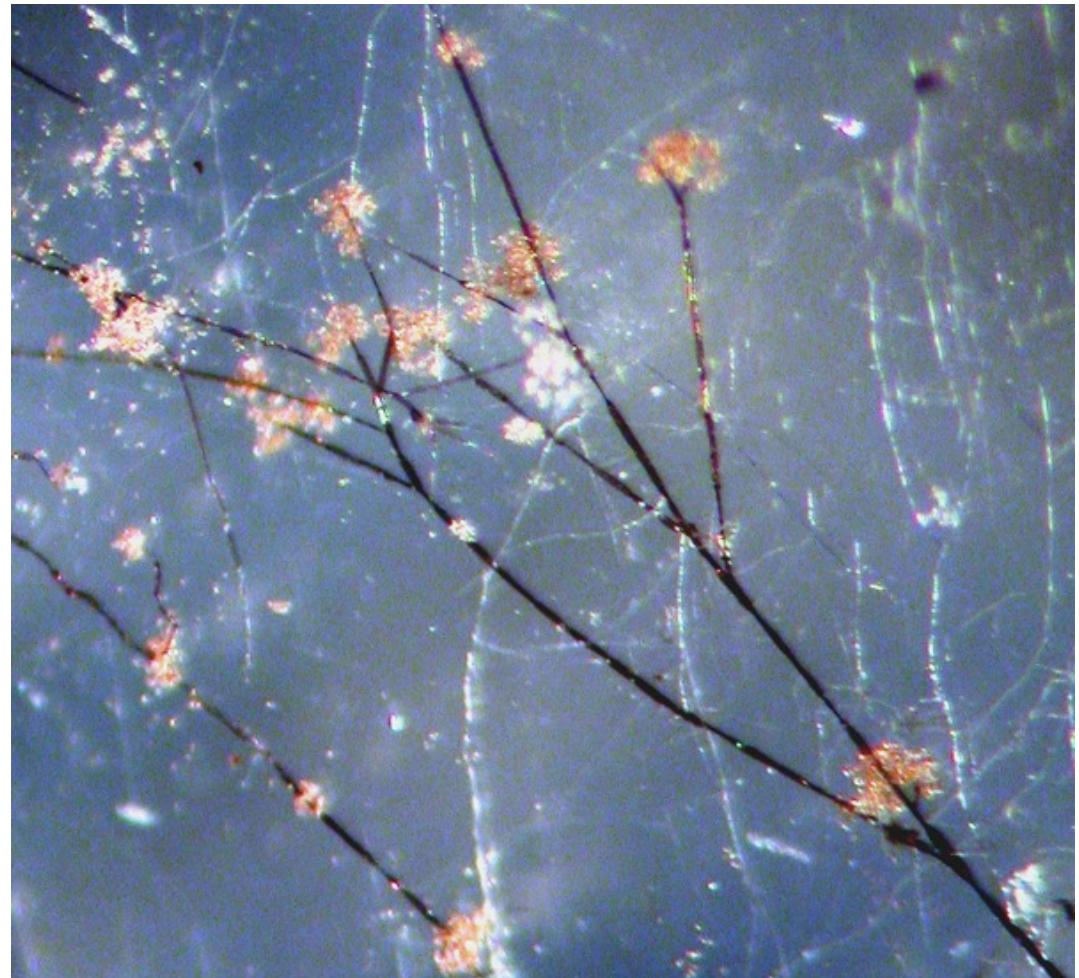
Ubiquitous & Wide host range:  
*Botrytis cinerea*. Geraniums, poinsettias, snapdragons and lisianthus are especially susceptible.

There are other *Botrytis* species specific to tulips, peonies, lilies as well

*Botrytis cinerea*  
“garden variety”

*Botrytis cinerea* produces  
conidia  
on dark conidiophores  
in clusters

Known as “Gray mold”





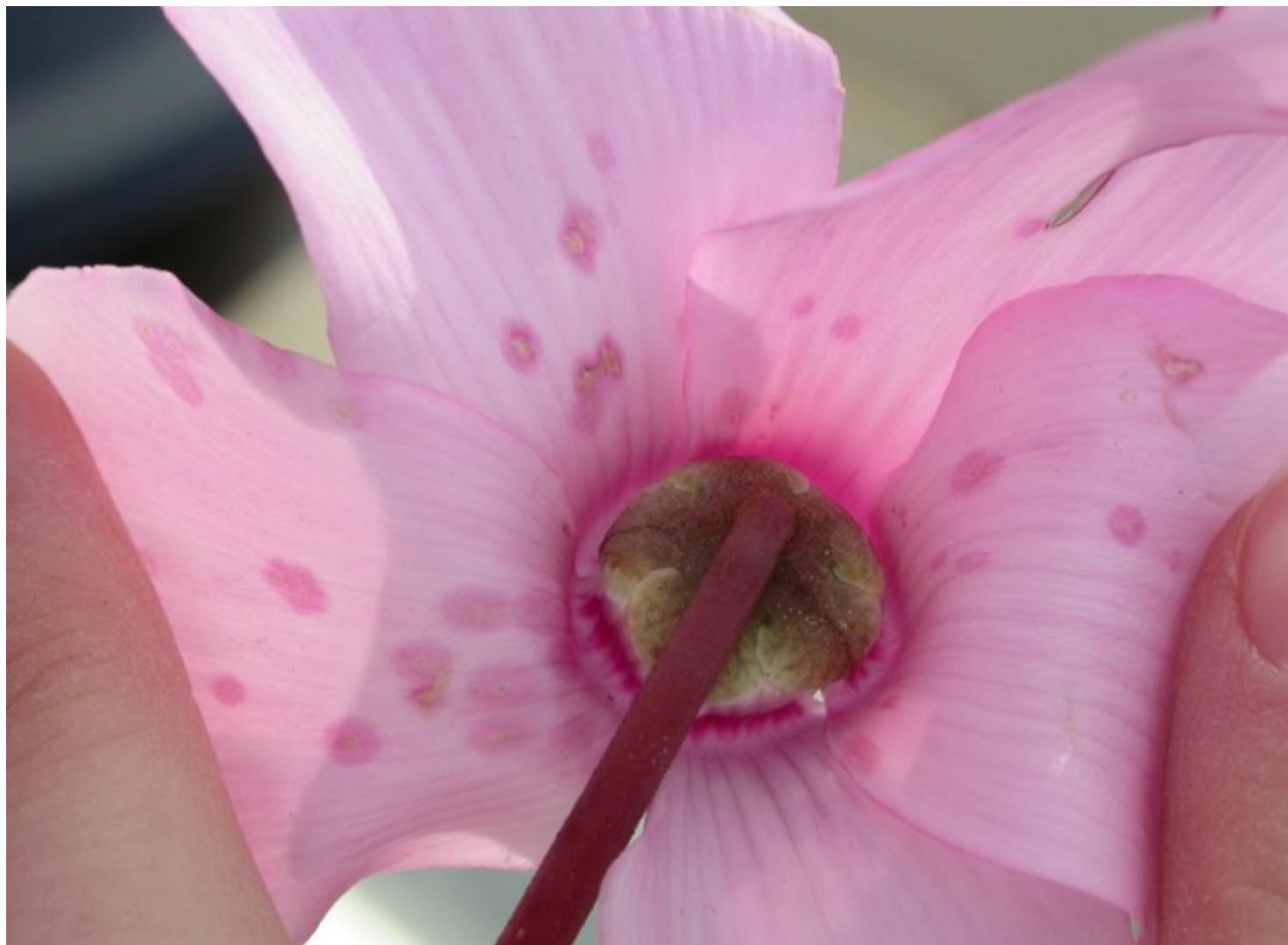
Flower Lover



## Petal and flower blights











# Leaves



Protected with fungicide



## Botrytis Gray mold



Think leaf  
wetness  
avoidance



Zonate Spots



Under canopy



Gray mold is confirmation of infection







New Guinea impatiens



lisianthus



Poinsettia bract



Ornamental cabbage

# Botrytis

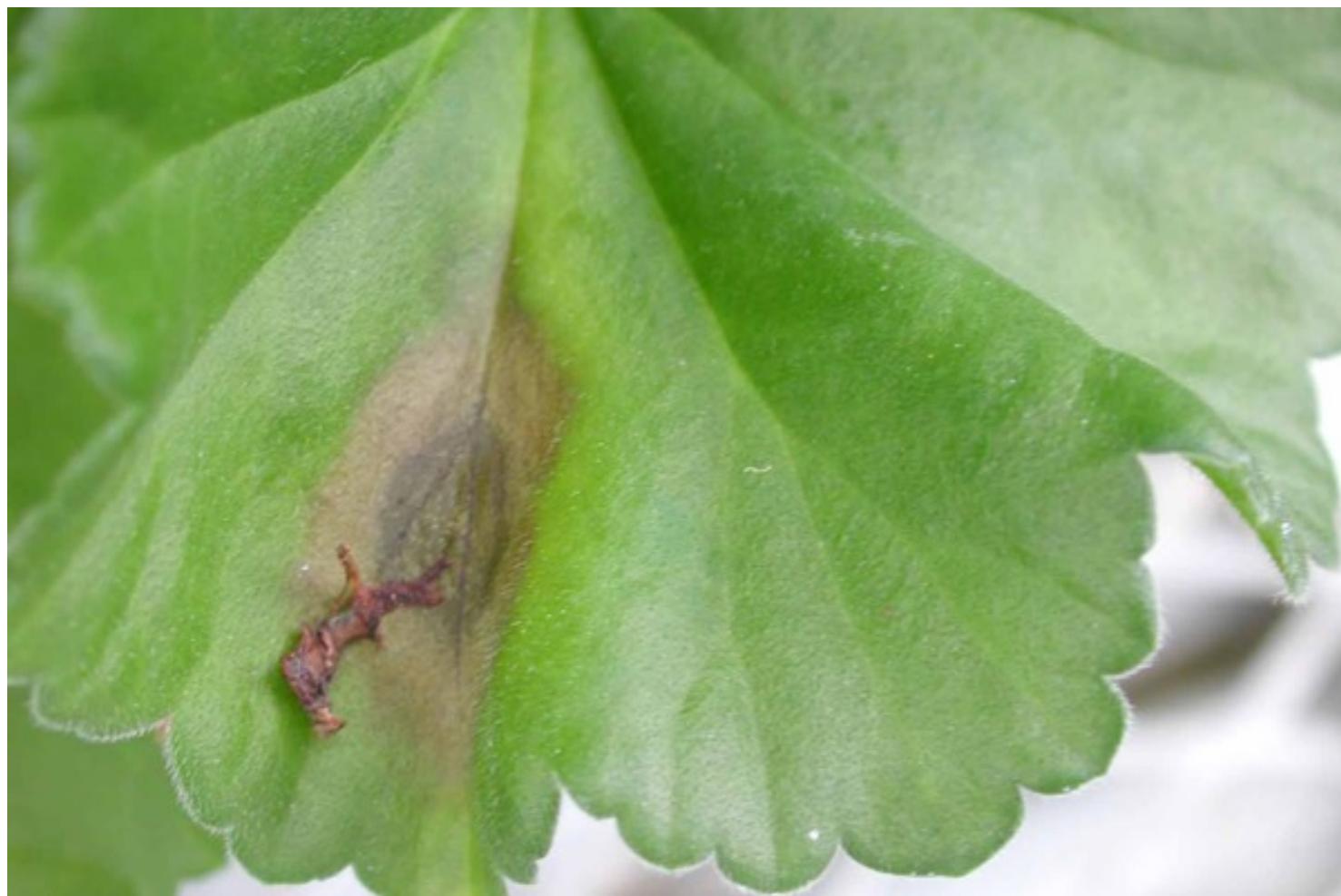
begonia



Zonate lesions



pansy



Petal Tissue Gets It Started, Often



Zinnia  
Botrytis  
blight



# Rosemary Botrytis blight





Injury, not Botrytis spots



**Botrytis leaf spots on lily**



sclerotia



**BOTRYTIS SCLEROTIA ON TULIP**

Stem  
infections by  
Botrytis



Snapdragon Botrytis canker



Cankers



Botrytis canker on lisianthus



“Gray mold”



Water Management is  
Disease Management

# Rusts



**Like Botrytis, rust  
spores need wet leaf  
surface to germinate**

**Colorful spores produced in  
pustules on underside of  
leaves**



Geranium Rust – *Puccinia pelargonii-zonalis*

# Fuchsia Rust



# Rust Diseases



Chrysanthemum brown rust  
*Puccinia chrysanthemi*

Rusts tend to be host specific; e.g., mum rust won't affect snapdragon, and vice versa



Snapdragon rust





**Chrysanthemum brown rust**  
*Puccinia chrysanthemi*  
On mum and *Tanacetum*





**Chrysanthemum  
White Rust  
(*Puccinia horiana*)**

If you see these symptoms,  
please report to a state hort  
inspector – it is under  
a federal quarantine

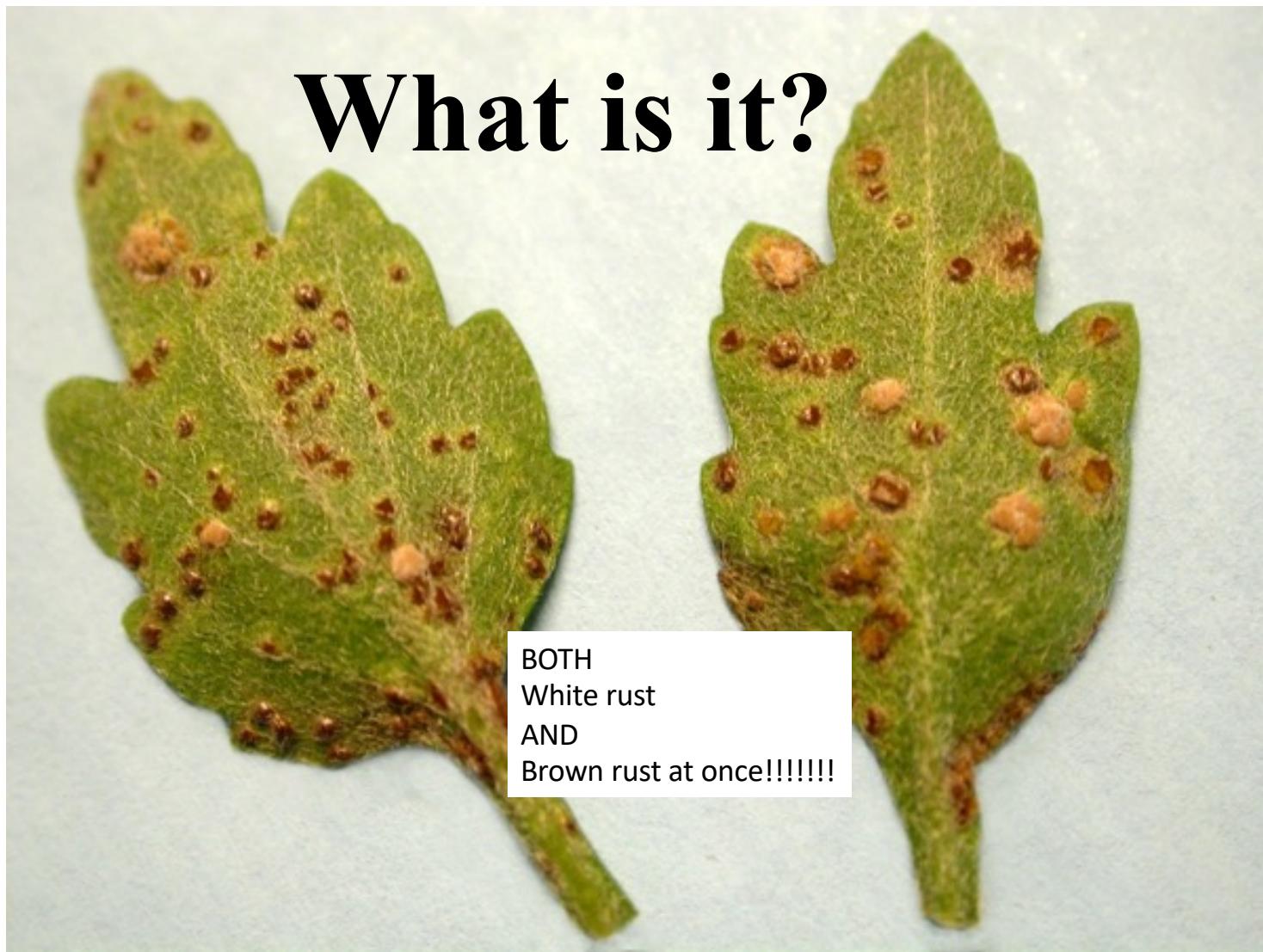




What is it?



# What is it?





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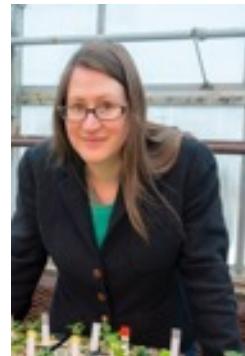
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## Questions?