



# Rots and Spots of Lavender

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# Fungal diseases

*Botrytis*  
(gray mold)



Grows on  
dead,  
dying, and  
wounded  
plant parts





# Stem infection





Blighting of leaves,  
petioles, blossoms,  
stems

Water-soaked brown  
to tan spots



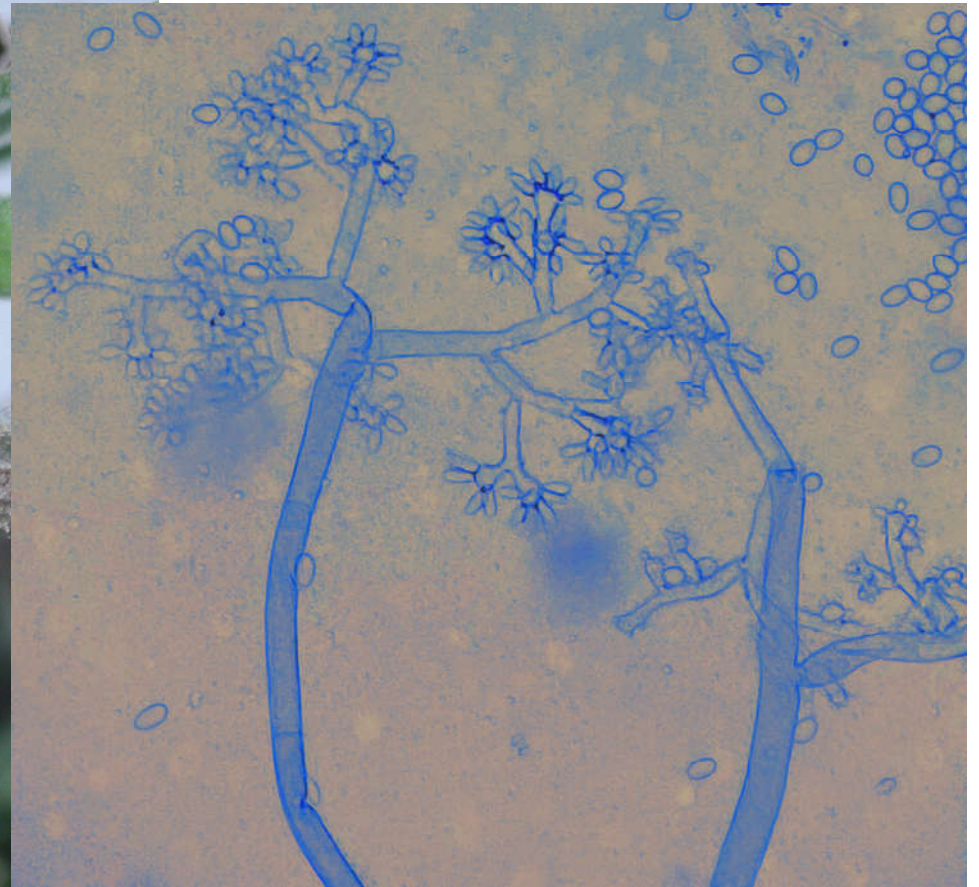
Favorable:

Moist & humid

Dense growth

Wet leaves

High fertility



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# Management

Minimize inoculum

Maximize drying

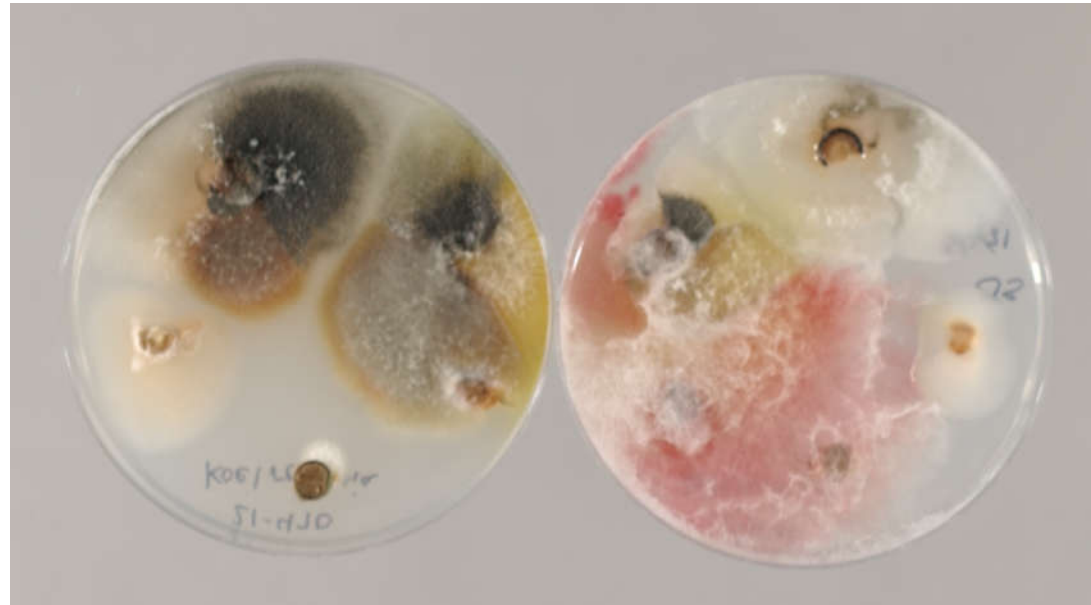
Favorable growing conditions

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# Fungal root & stem rots

## Players:

- *Fusarium*
- *Rhizoctonia*
- *Thielaviopsis*  
(black root rot)





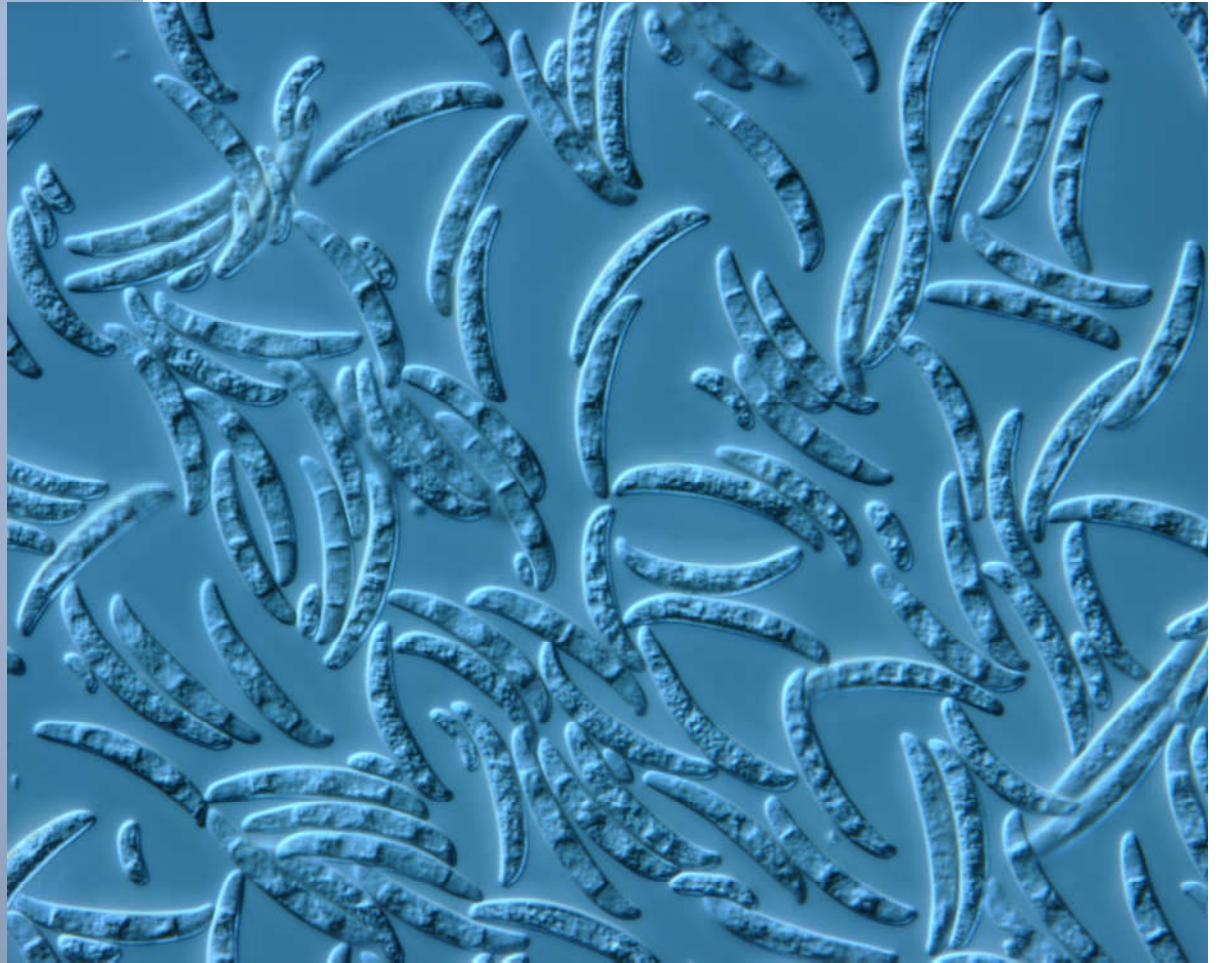
- Soil-borne
- Infect roots
- May cause wilts, stem or root rot
- Persistent in soil

# *Fusarium* wilt



# Fusarium root rot





# *Rhizoctonia*





## Transmission

Water,

Contaminated tools,

Movement & propagation  
of infected plants

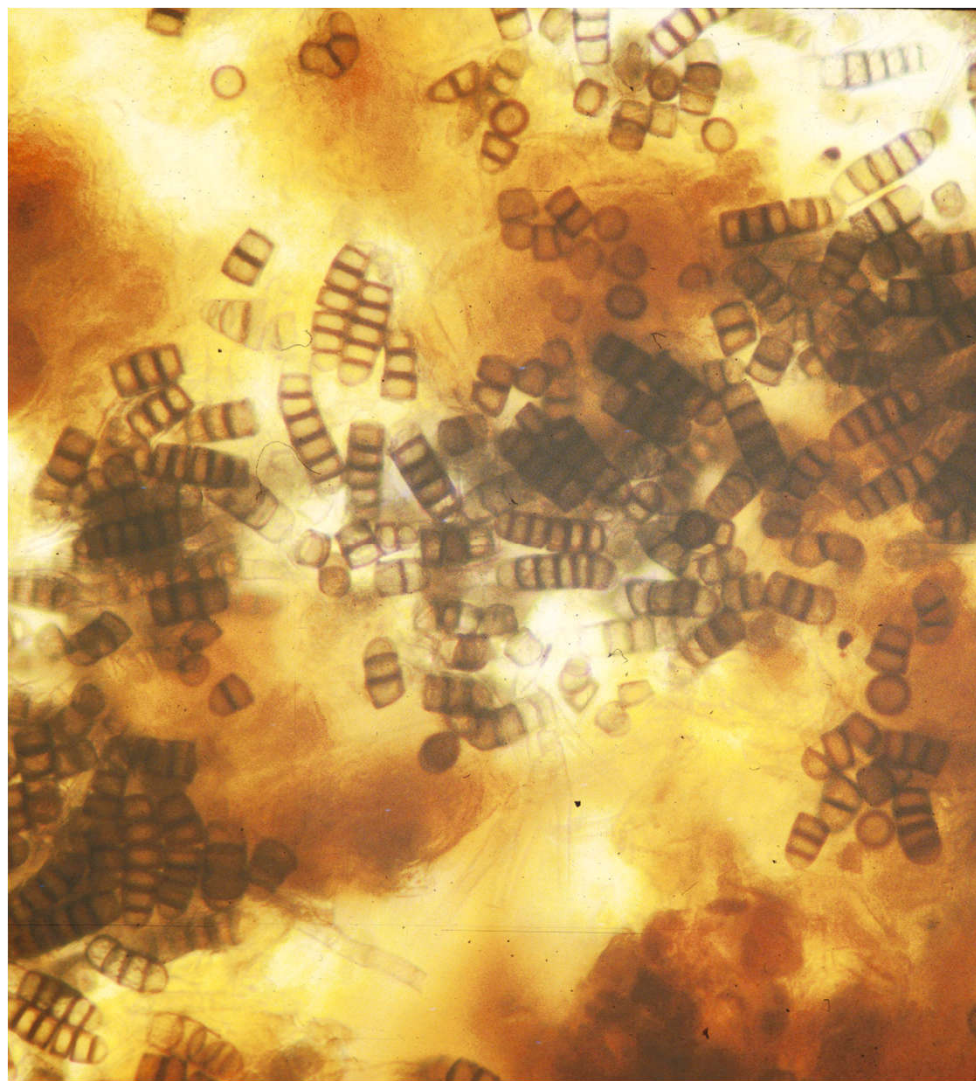


Black root rot  
(*Thielaviopsis/Berkeleyomyces*)



Munstead





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# Management

Remove diseased plants

Don't feed the beast

Favorable growing conditions

Good soil health

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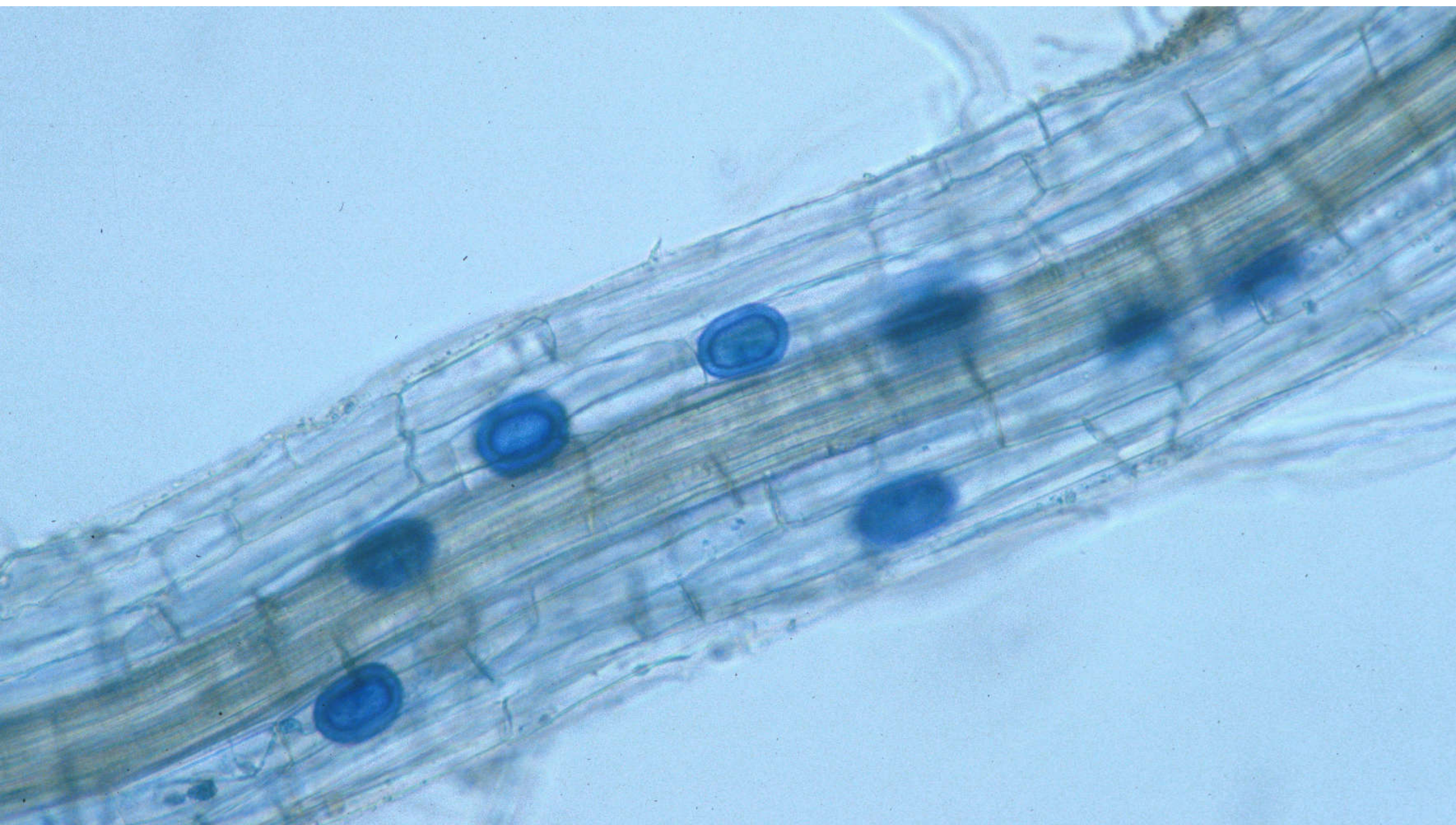
# Water molds

*Phytophthora*  
*Pythium*







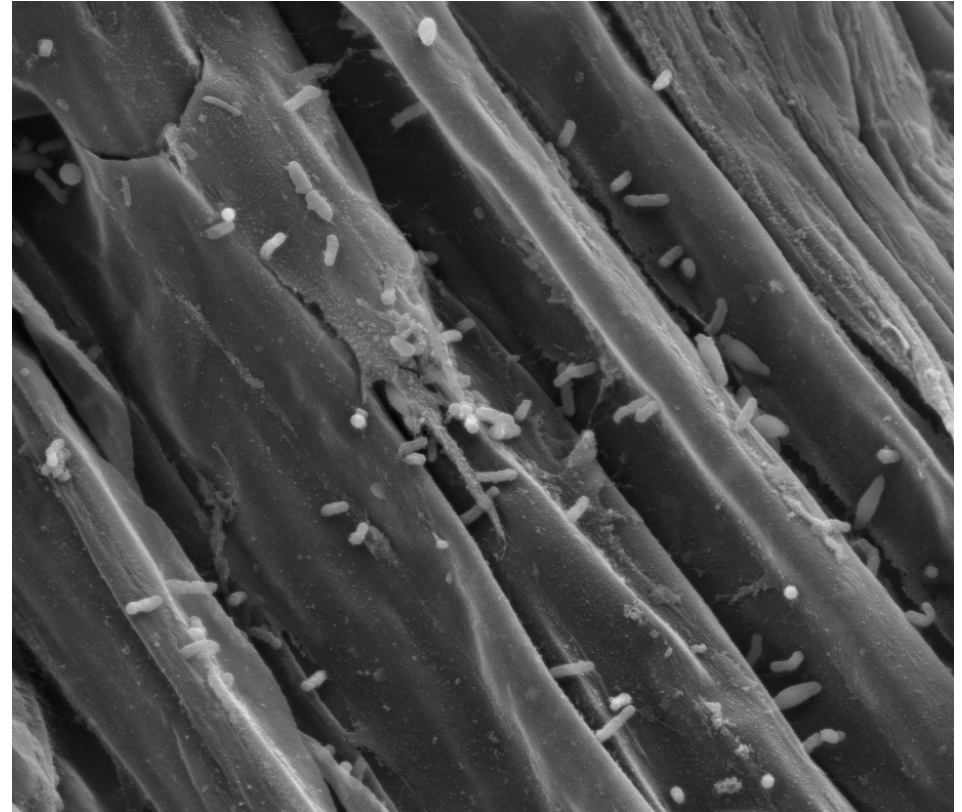


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# Management

- Plant lavender in well-drained soils
  - Maintain dry surrounds
  - Do not overwater
  - Maintain good soil health
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# Bacterial diseases



*Xanthomonas*





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Leaf spots

Edges, tips, stems

No root disease

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Favorable conditions: Warm, wet



Photos: Steve Koike

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# Management

- Cut back diseased plants
  - Remove and destroy plant debris
  - Avoid splashing
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# Alfalfa mosaic virus

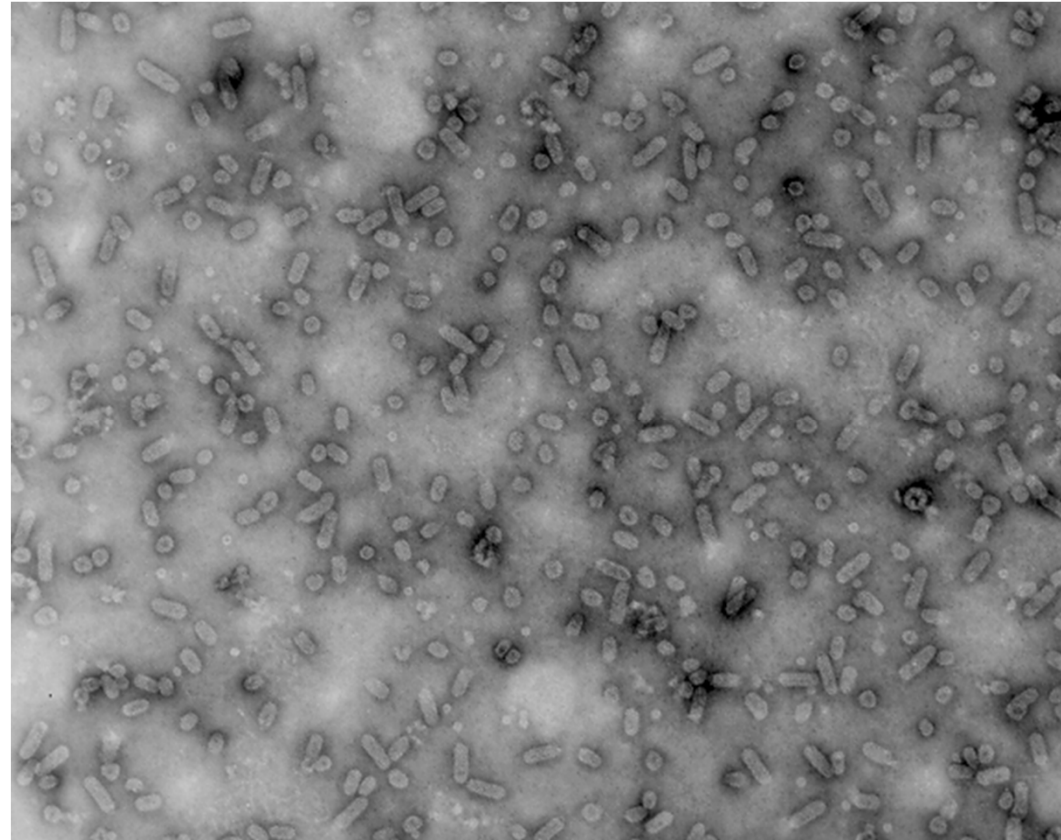


Photo: Paulina Sepúlveda et al. Cent.  
Int. Agri. Trop., Cali, Columbia



## Symptoms

AMV widely distributed  
(clover)

Aphid-vectored, sap  
transmitted

*L. x intermedia*



Spider mite damage



AMV



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# Management

~~Controlling aphids~~

Weed control

Rogue

Avoid planting next to clover, alfalfa

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Disease happens

Cut losses

Don't contaminate neighboring plants

Prevention is paramount

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# Questions....?

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