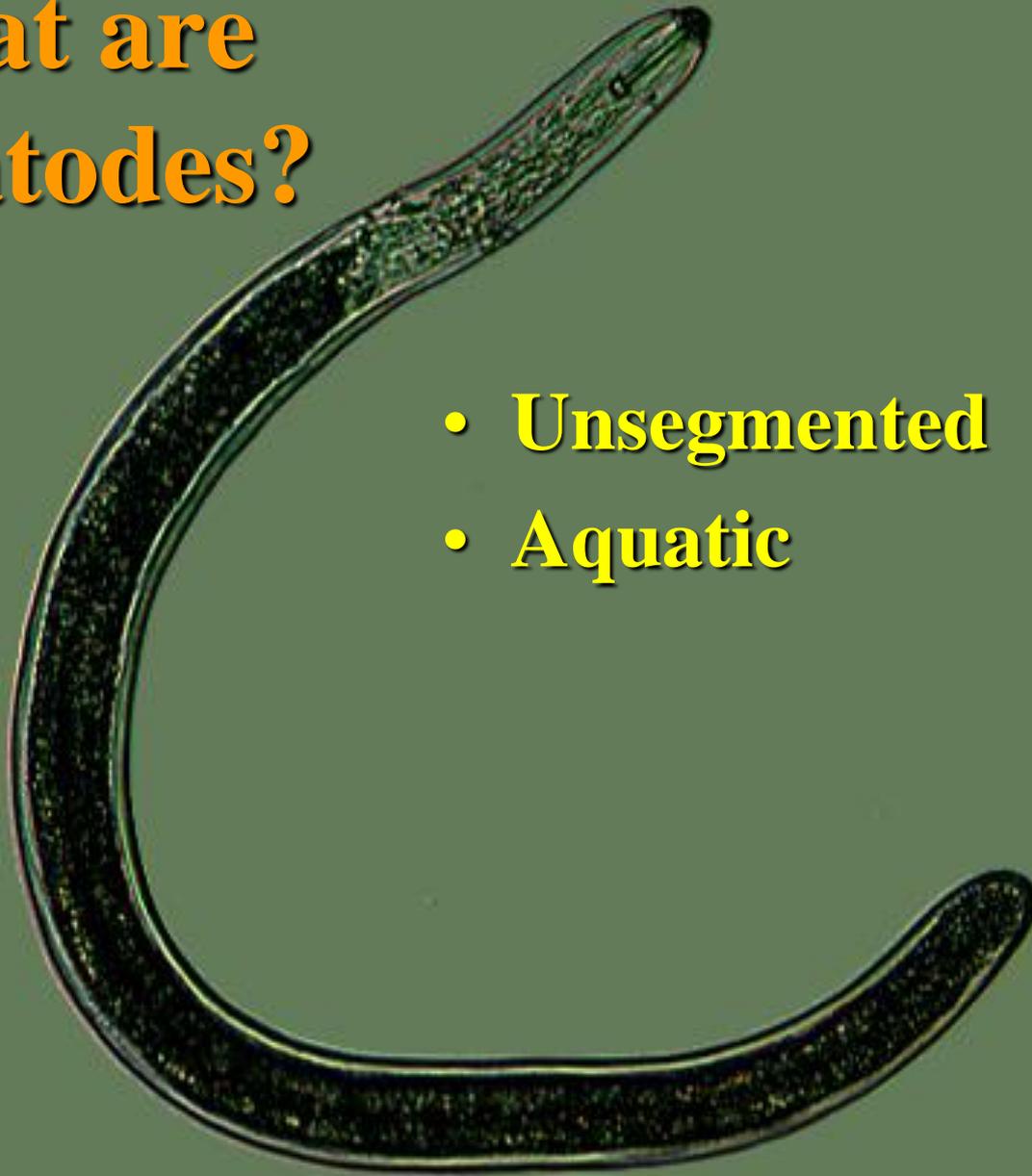
A large alligator is resting on a grassy bank next to a body of water. The alligator's head is in the foreground, and its body extends towards the background. The water is dark and calm, and the grass is a mix of green and brown. The overall scene is a natural, swampy environment.

Nematodes in Florida Landscapes

William T. Crow
Professor of Nematology
University of Florida

What are nematodes?



- Unsegmented
- Aquatic

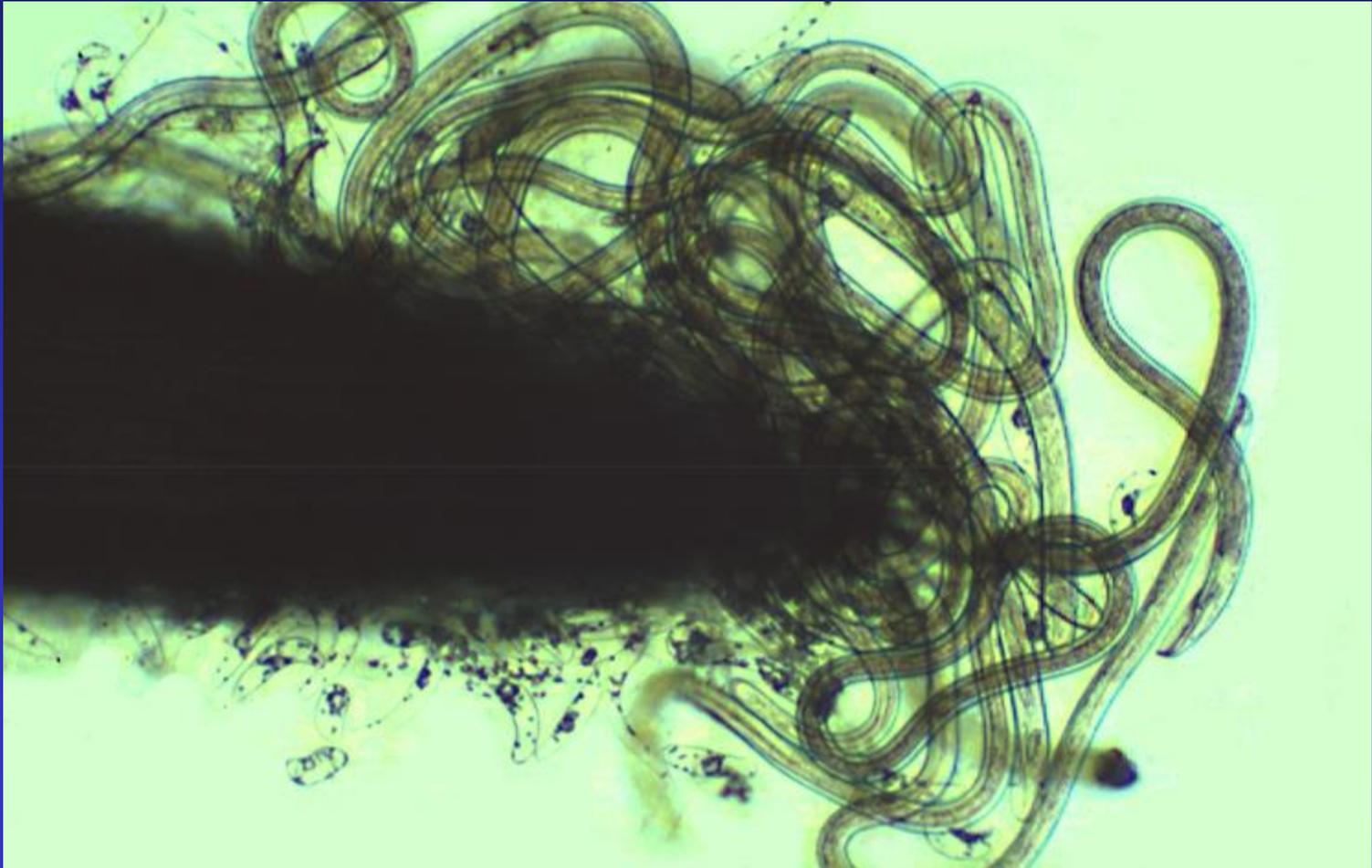
Types of plant-parasitic nematodes

- **Migratory endoparasites**
- **Sedentary endoparasites**
- **Ectoparasites**

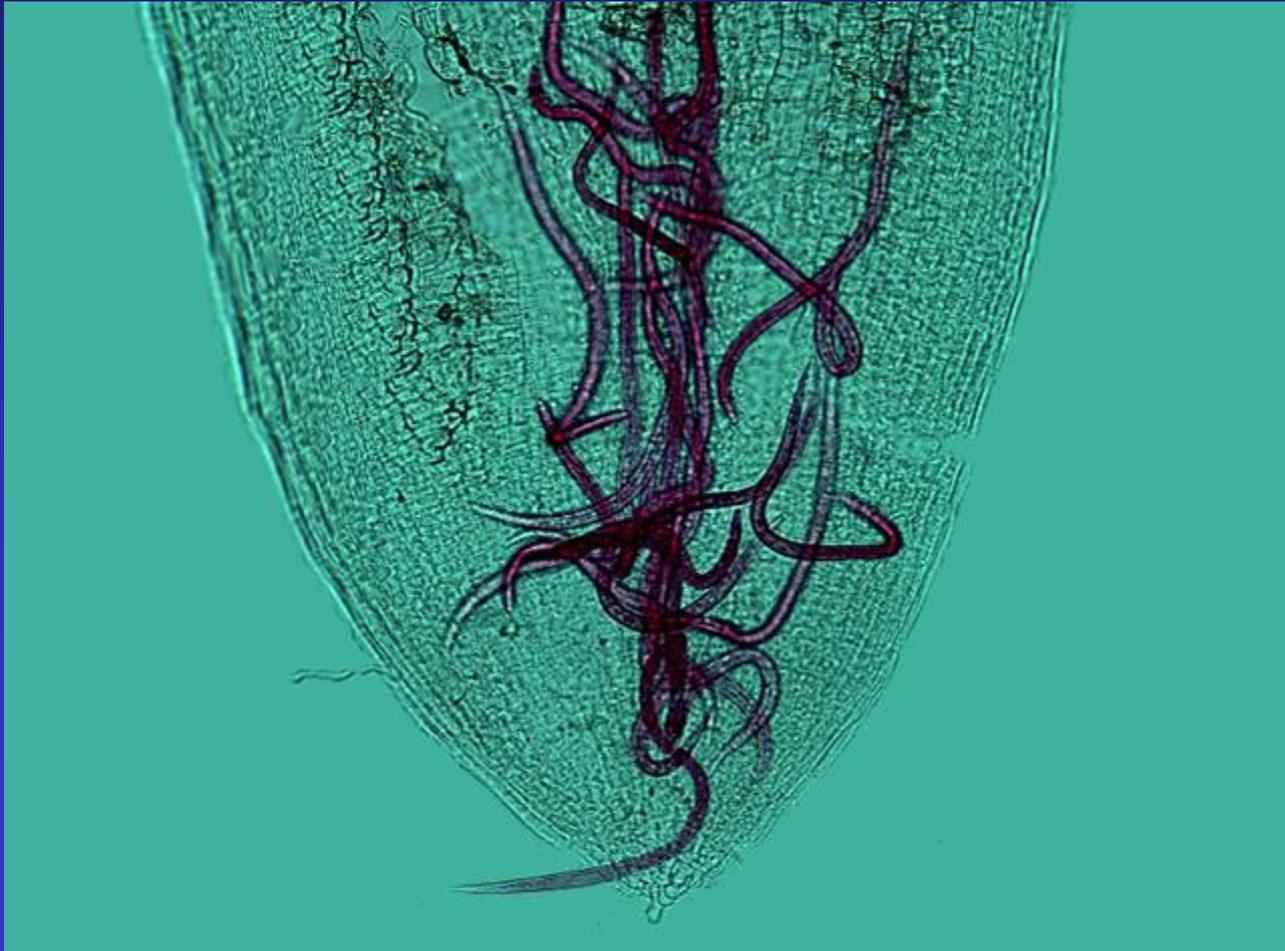


Nematode life cycle - egg

Ectoparasites- feeding



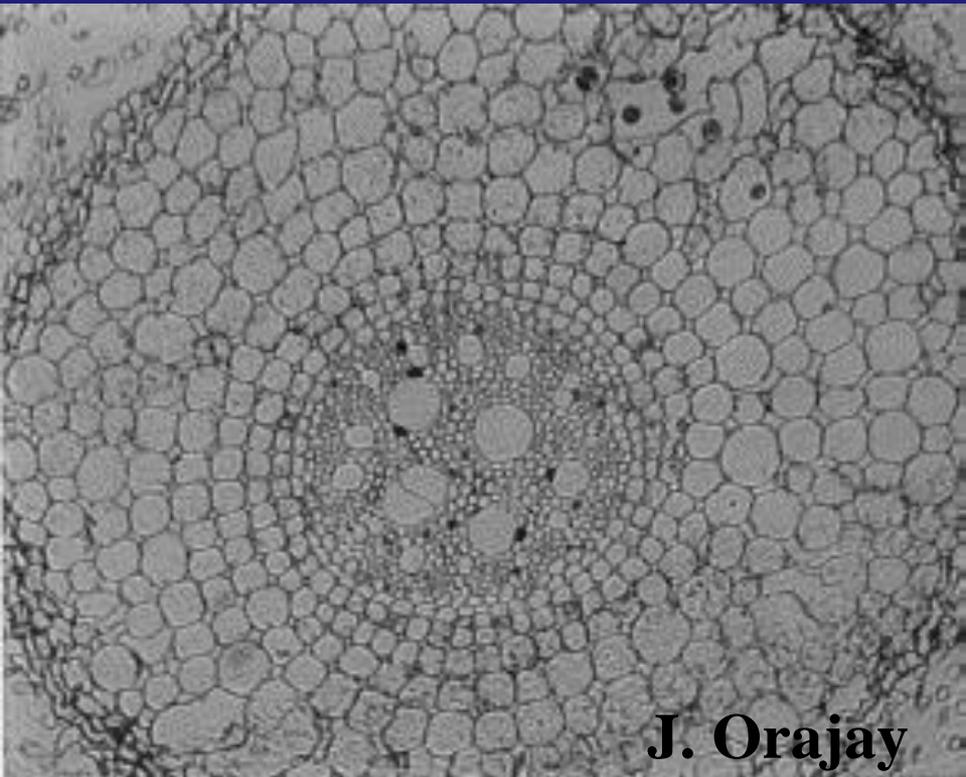
Endoparasites





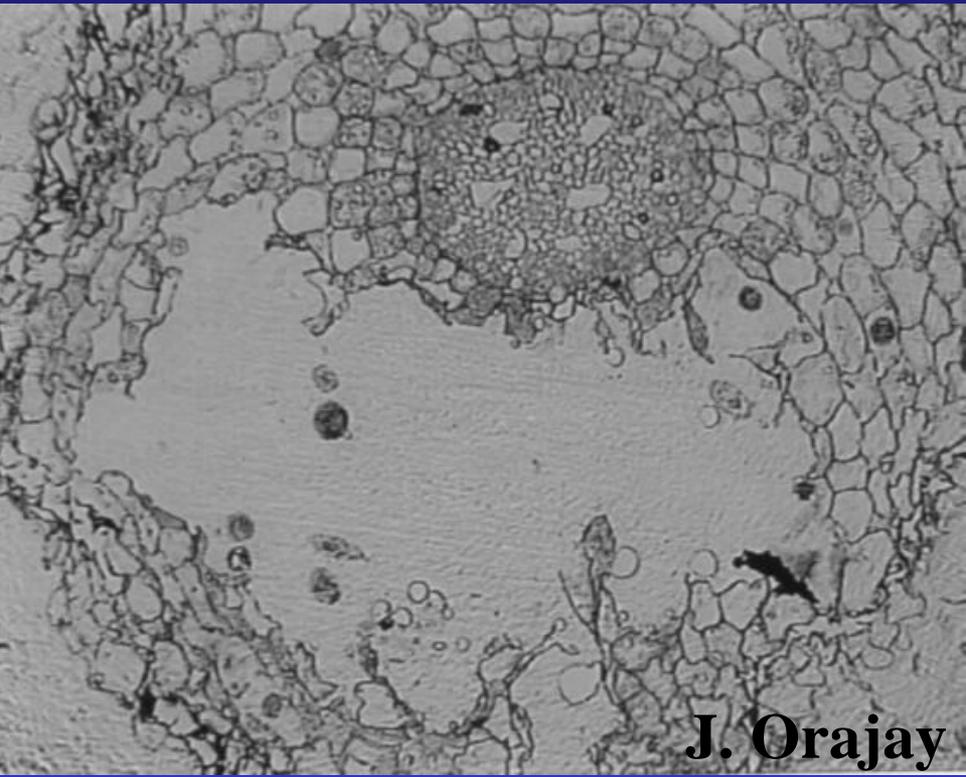
Migratory Endoparasites

Migratory endoparasites



J. Orajay

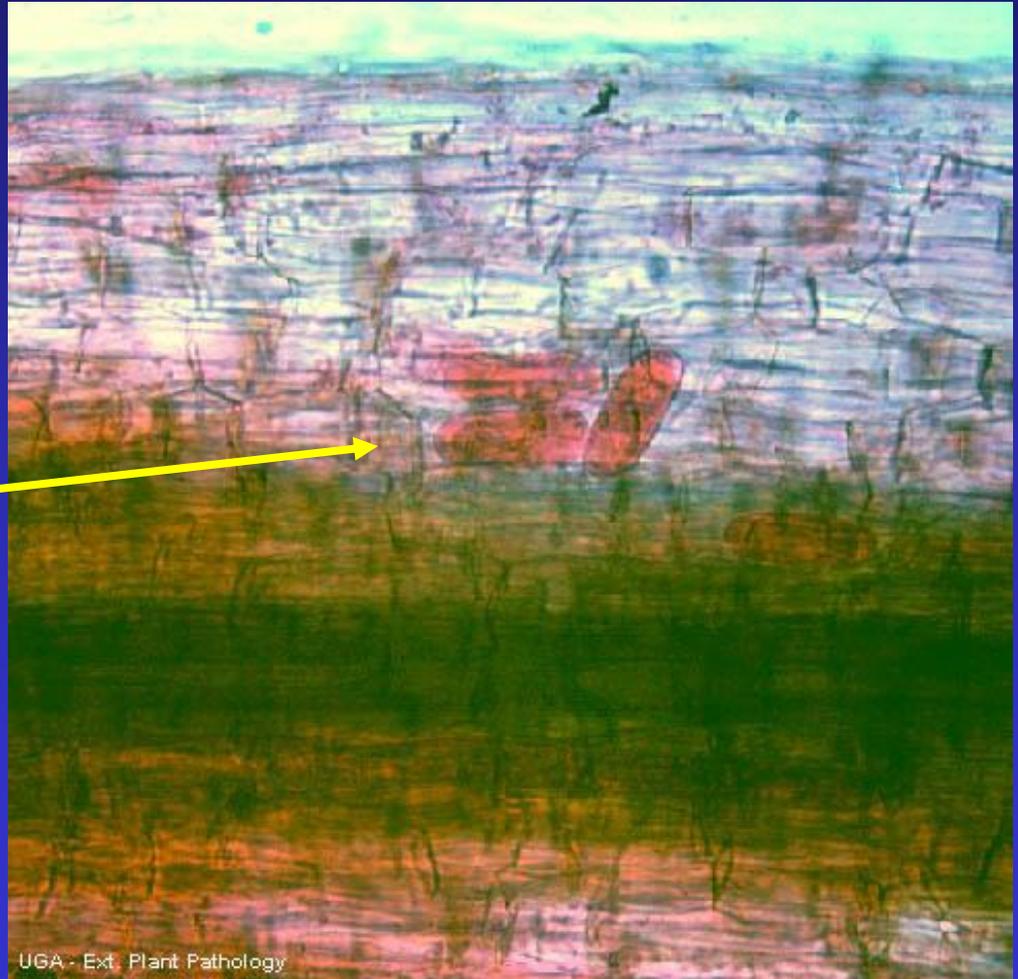
Healthy



J. Orajay

With nematodes

**Lesion
nematode
eggs**

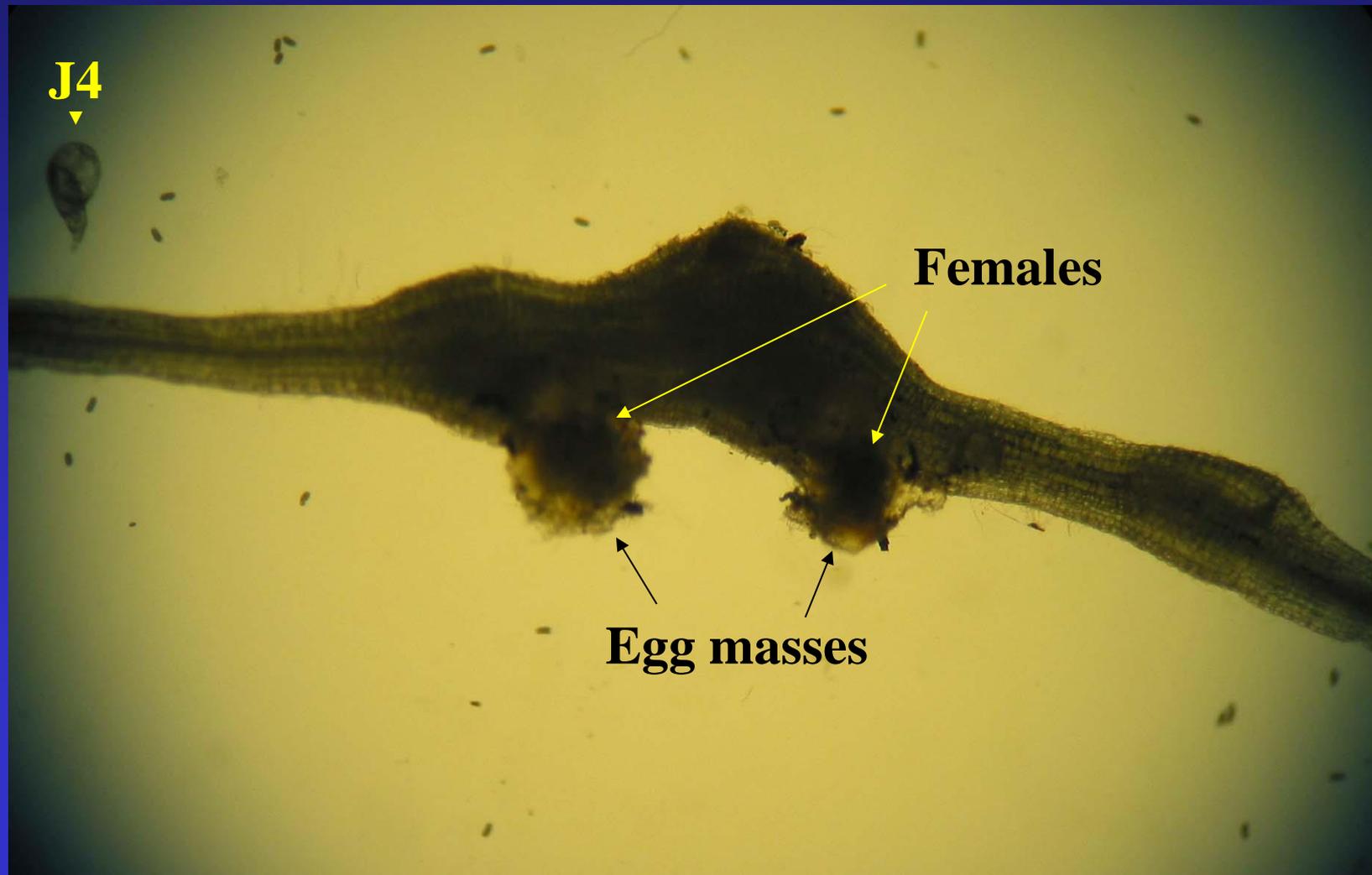




Sedentary endoparasites



Sedentary endoparasites



Important plant-parasitic nematodes in Florida

- **Sedentary ectoparasites**

- Root-knot
- Citrus

- **Migratory endoparasites**

- Lesion
- Burrowing
- Foliar
- Lance

- **Ectoparasites**

- Sting
- Stubby-root
- Spiral
- Ring

Root-knot nematodes

- **Most damaging nematode worldwide**
- **In Florida are common problems on vegetables, landscape plants, agronomic crops, nurseries**
- **Sedentary endoparasite**
- **Cause galls or knots on belowground plant parts**











Migratory endoparasites

- Migratory endoparasites
- Lesions on roots and belowground structures
- Discoloration and rotting of roots





**Amaryllis with lesion
nematodes**

Lesion nematodes on Easter lily

