

## BACKGROUND

### WHAT ARE NEMATODES?

- Microscopic roundworms
- Less than 1/100<sup>th</sup> inch
- Live in soil and roots
- Two- to four-week life cycle; several generations/year

### DAMAGE THEY CAUSE

- Root feeding on main, lateral and root hairs
- Facilitating bacterial and fungal infections
- Transmitting viruses

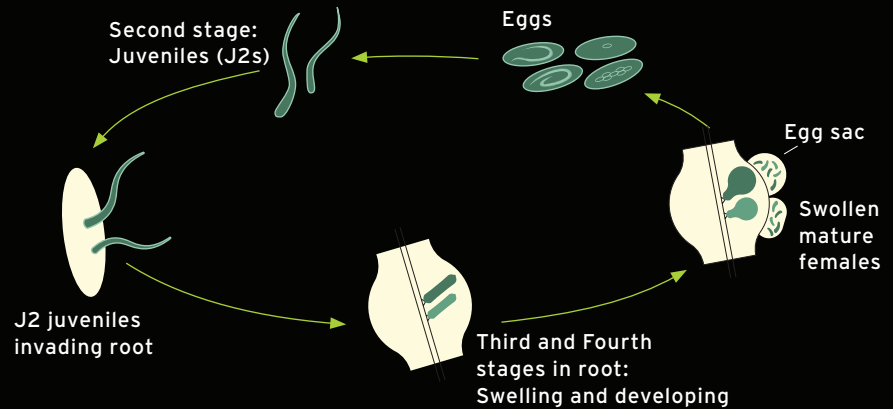
### WHAT SYMPTOMS LOOK LIKE

- Stunting (disease)
- Chlorosis (malnutrition)
- Wilting (drought)
- No symptoms

## BIOLOGY

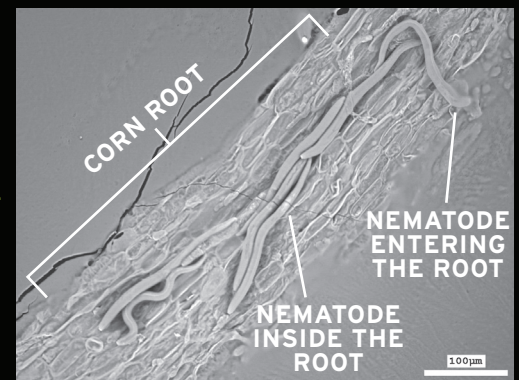
### EXAMPLE: SCN LIFE CYCLE

- Multiple stages
  - Egg
  - Four juvenile stages
  - Adult
- Begin feeding during second juvenile stage
- Both juveniles and adults feed



## TYPES OF NEMATODES

Species	Corn	Soybean	Cotton
<b>ENDOPARASITE - PENETRATES COMPLETELY INTO A ROOT</b>			
Root-Knot	X	X	X
SCN		X	
Reniform		X	X
Lance	X	X	X
Lesion	X	X	
<b>ECTOPARASITE - PIERCES THE ROOT</b>			
Sting	X	X	
Needle	X		



Lesion Nematode

Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and should consider the impacts of these conditions on the grower's fields.

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