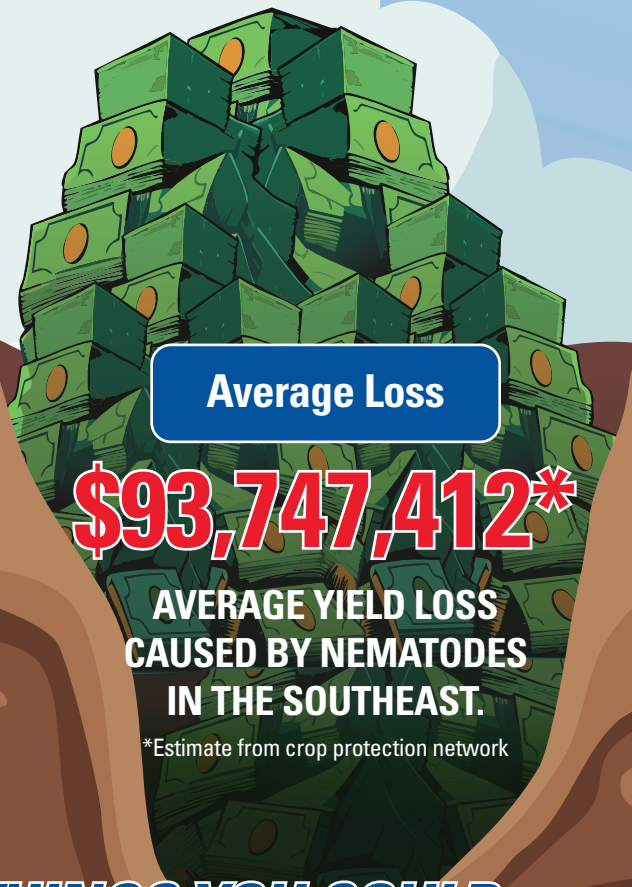
A GUIDE TO NEMATODES

NO CROP IS SAFE AROUND NEMATODES as it can be found in row crops, vegetables, fruits, nut trees, and even weeds!



Average Loss

$93,747,412*

AVERAGE YIELD LOSS CAUSED BY NEMATODES IN THE SOUTHEAST.

*Estimate from crop protection network

What Are They?

NEMATODES ARE MICROSCOPIC PARASITES THAT FEED ON PLANT CELLS.

While they can take around 30 days to complete their lifecycle, nematodes can stay within the soil for years! They derive plants of nutrients, moisture, and yield potential.

WHILE THE NEMATODE SPECIES YOU MAY SEE DEPEND ON THE CROP YOU PLANT, SOME OF THE MORE COMMON NEMATODE SPECIES ARE:

- Lance
- Columbia
- Root-knot
- Reniform
- Sting
- Soybean Cyst Nematodes

THINGS YOU COULD BUY FOR $93 MILLION

- LUXURY YACHT
- 20,000 SQUARE FOOT MANSION
- BOEING COMMERCIAL PLANE
- PRIVATE ISLAND
- WORLD CRUISE
- HUNTING TRIP TO SOUTH AFRICA
- TRIP TO SPACE

Combat Nematodes

THE BEST DEFENSE AGAINST NEMATODES IS THROUGH AN INTEGRATED APPROACH OF THE THREE BELOW:

1. Planting a resistant variety 2. Rotating to a non host crop 3. Applying nematicide

Others include: Seed treatment, sanitation of equipment, tilling nematode-infested field last, etc.

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Step 1

IDENTIFY TIME TO COLLECT SAMPLE

The best time to collect a sample is as close to harvest as possible.

Step 2

ENSURE YOU HAVE PROPER TOOLS TO COLLECT THE SAMPLE

Soil probe, Ziploc bag, permanent marker, bucket, and iced down cooler.

Step 3

COLLECT THE SAMPLE

Place soil probe near the root zone and angle 45 degrees.

Step 4

FOLLOW THE COLLECTION PATTERN

Repeat step three following a pattern of your choice to collect a representative sample of the field.

Step 5

TRANSFER THE SAMPLE TO THE BAG

Use your marker to appropriately label the sample bag.

Step 6

TRANSPORT THE SAMPLES TO THE LAB

Keep them out of sunlight during transit. Ask your local PhytoGen field team for a lab recommendation.

Step 7

CONFIRM NEMATODE POPULATIONS

Utilize local extension nematode threshold levels.

Step 8

WORK WITH YOUR LOCAL AGRONOMIST

For best practices to manage the nematode populations. Find your local PhytoGen field team at **PhytoGen.com/Team**

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