

# Review of Cotton Seed Treatments



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# New Seed Treatment Options

## Nematodes

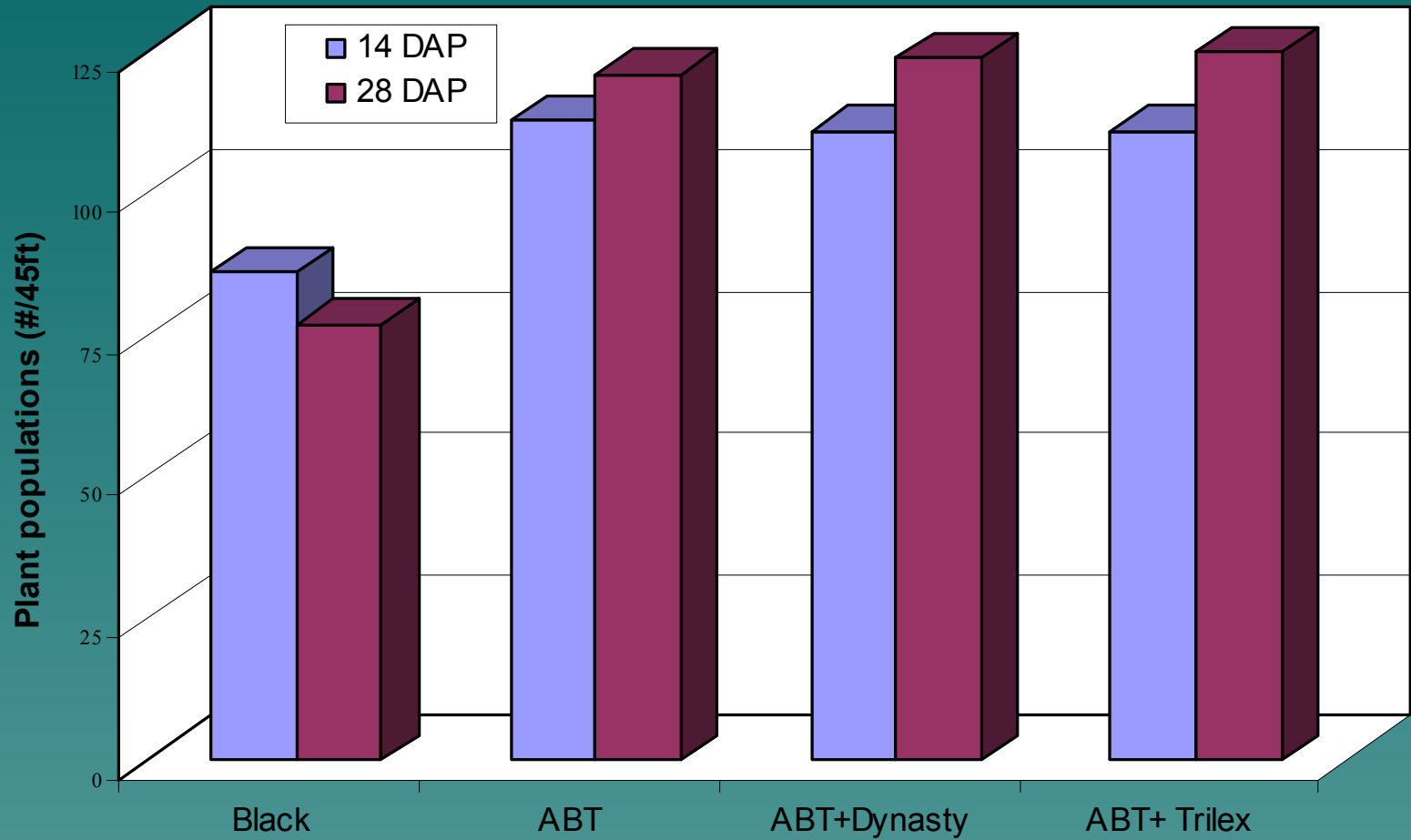
- ◆ Avicta
- ◆ AeriS

## Seedling Diseases

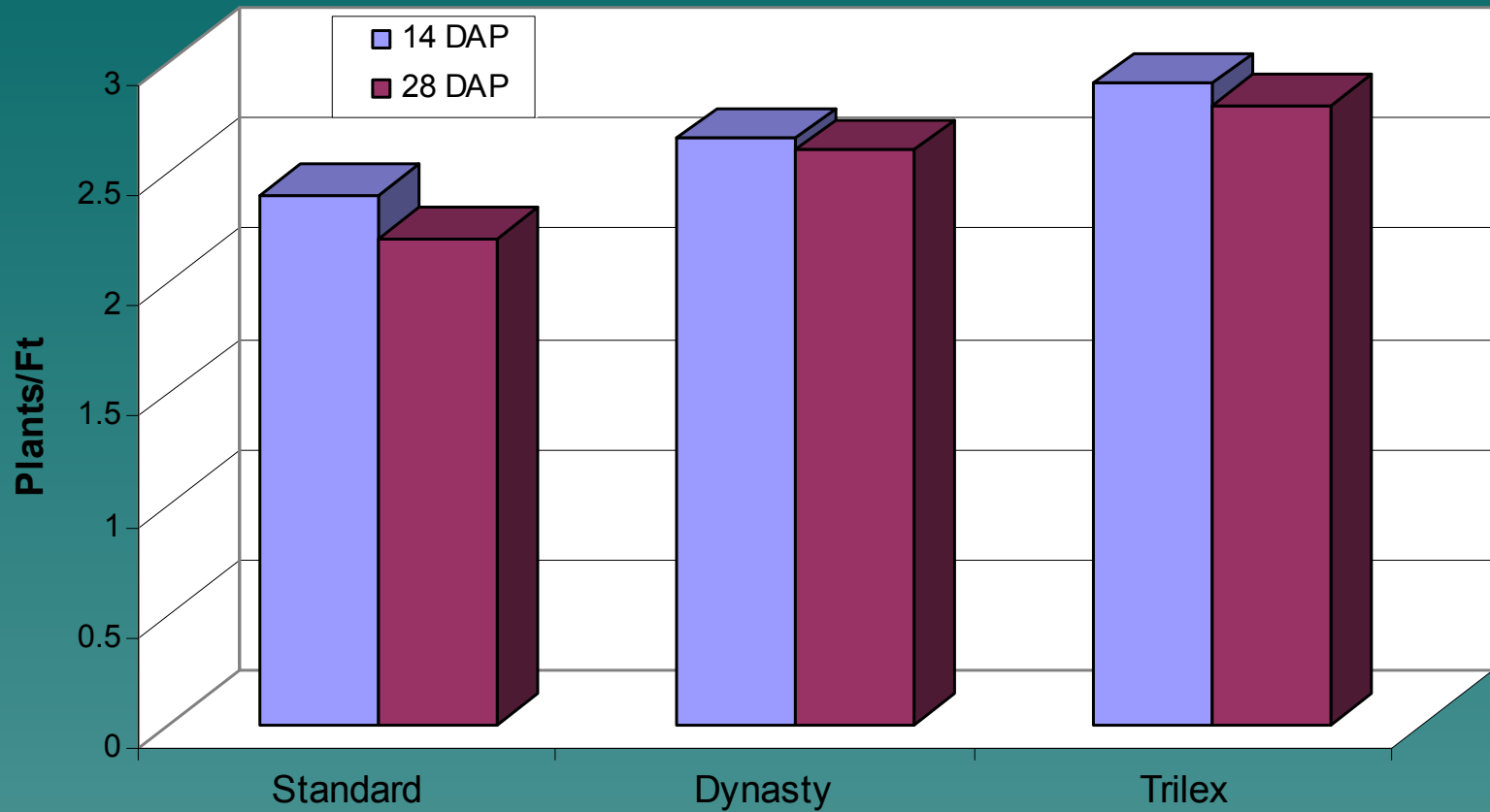
- ◆ Dynasty CST
- ◆ Trilex

# Fungicides

- ◆ Dynasty CST–azoxystrobin (Quadris)  
fludioxonil (Maxim)  
mefenoxam (Apron)
- ◆ Trilex – trifloxystrobin (Flint)  
tridimenol (Baytan)  
metalaxyl (Allegiance)




**Effect of Seed Treatments on Plant Populations**



**Effect of Seed Treatments on Plant Populations**

# Points to remember

- ◆ **Less chemical applied.**
  - ◆ **Not as effective against heavy infestations or severe disease pressure.**
  - ◆ **Less flexibility in making a decision.**
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- A stylized, teal-colored silhouette of a mountain range is positioned in the bottom right corner of the slide, extending from the right edge towards the center.

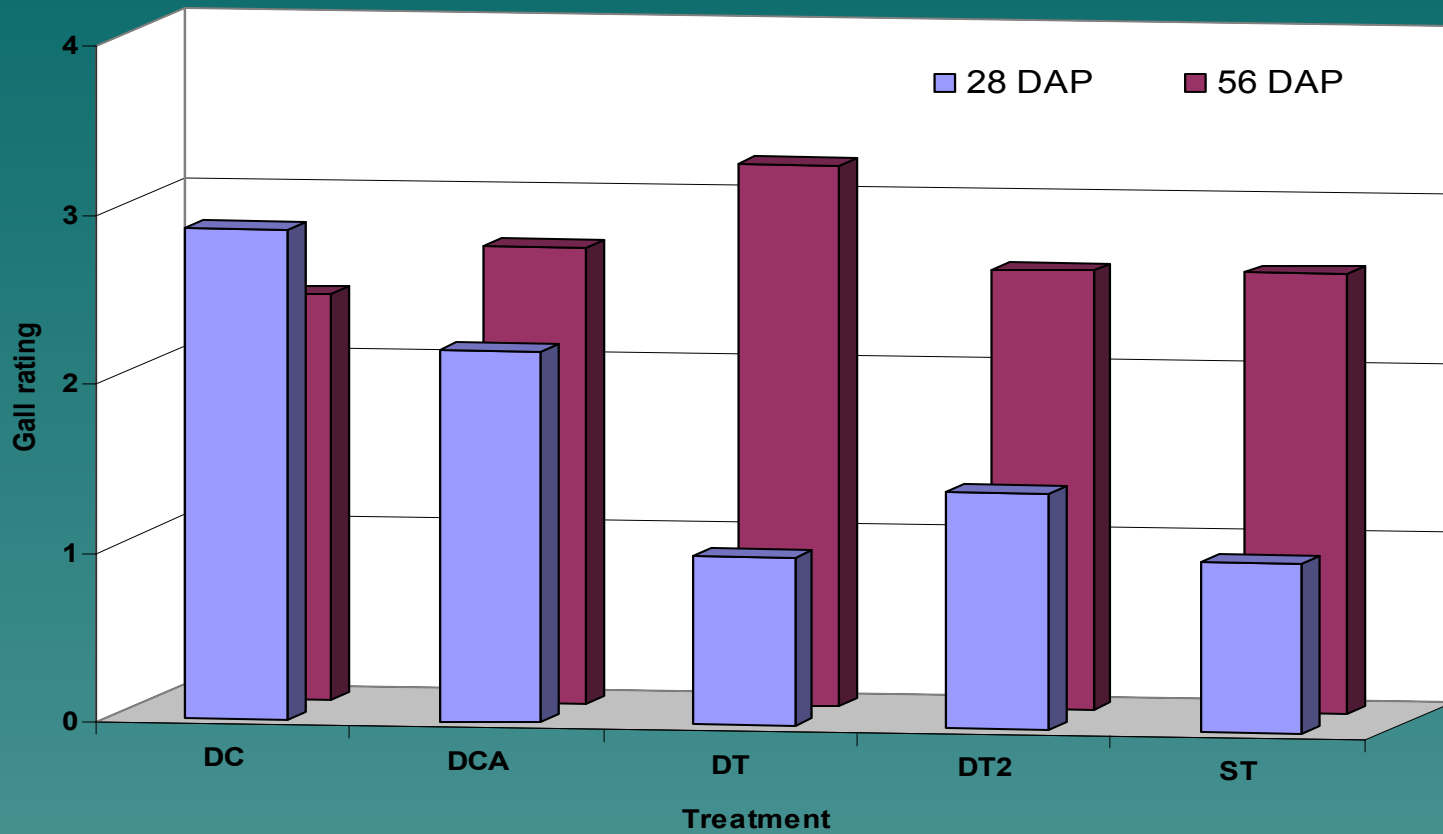
# Nematode Management Options

- ◆ Avicta
- ◆ Aeris

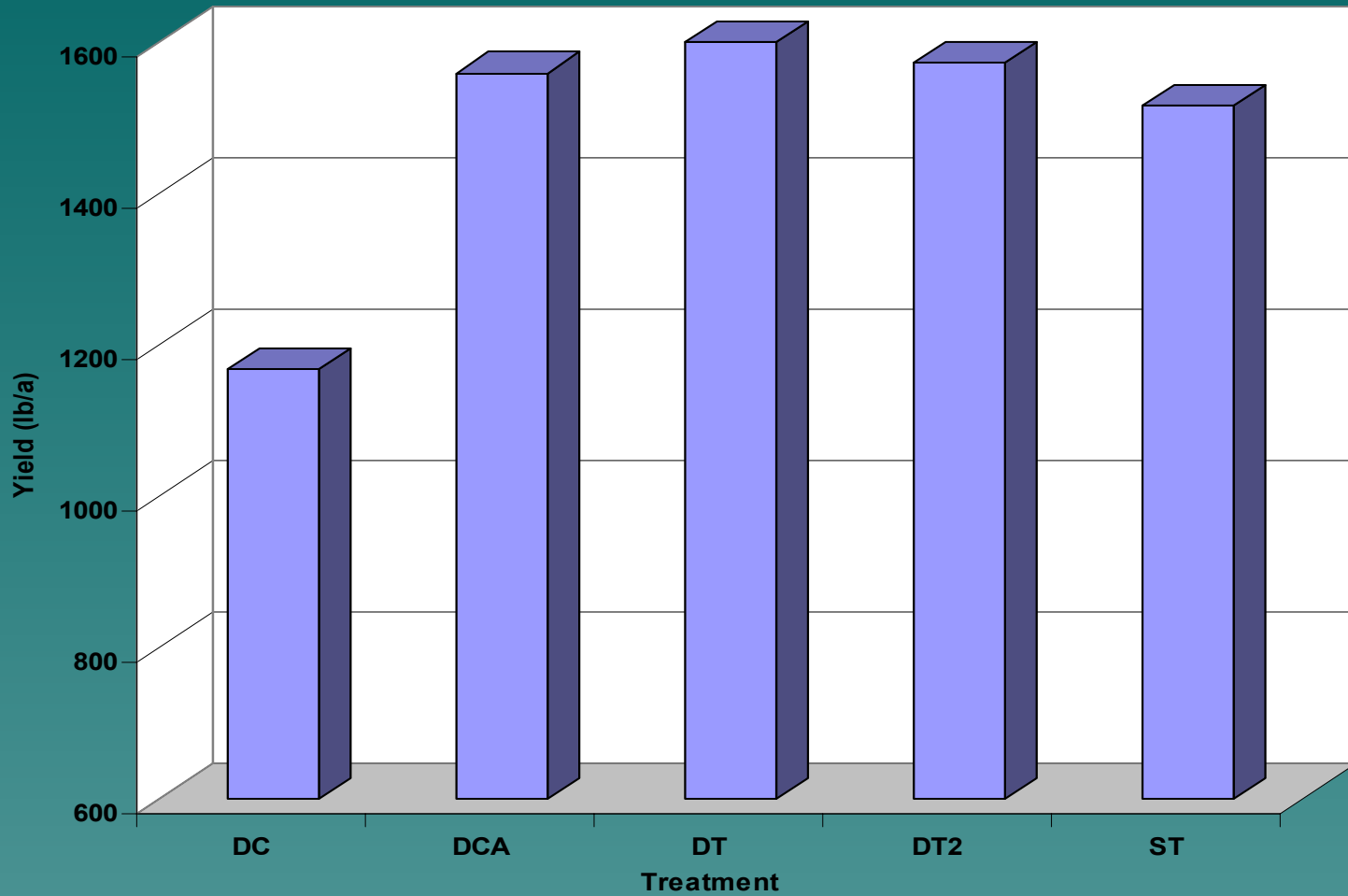
# Activity spectrum

- ◆ Avicta – nematodes (Abemectin)  
insects (Cruiser)  
diseases (Dynasty)
- ◆ Aeris – nematodes (Larvin)  
insects (Gaucho/Larvin)  
diseases ??

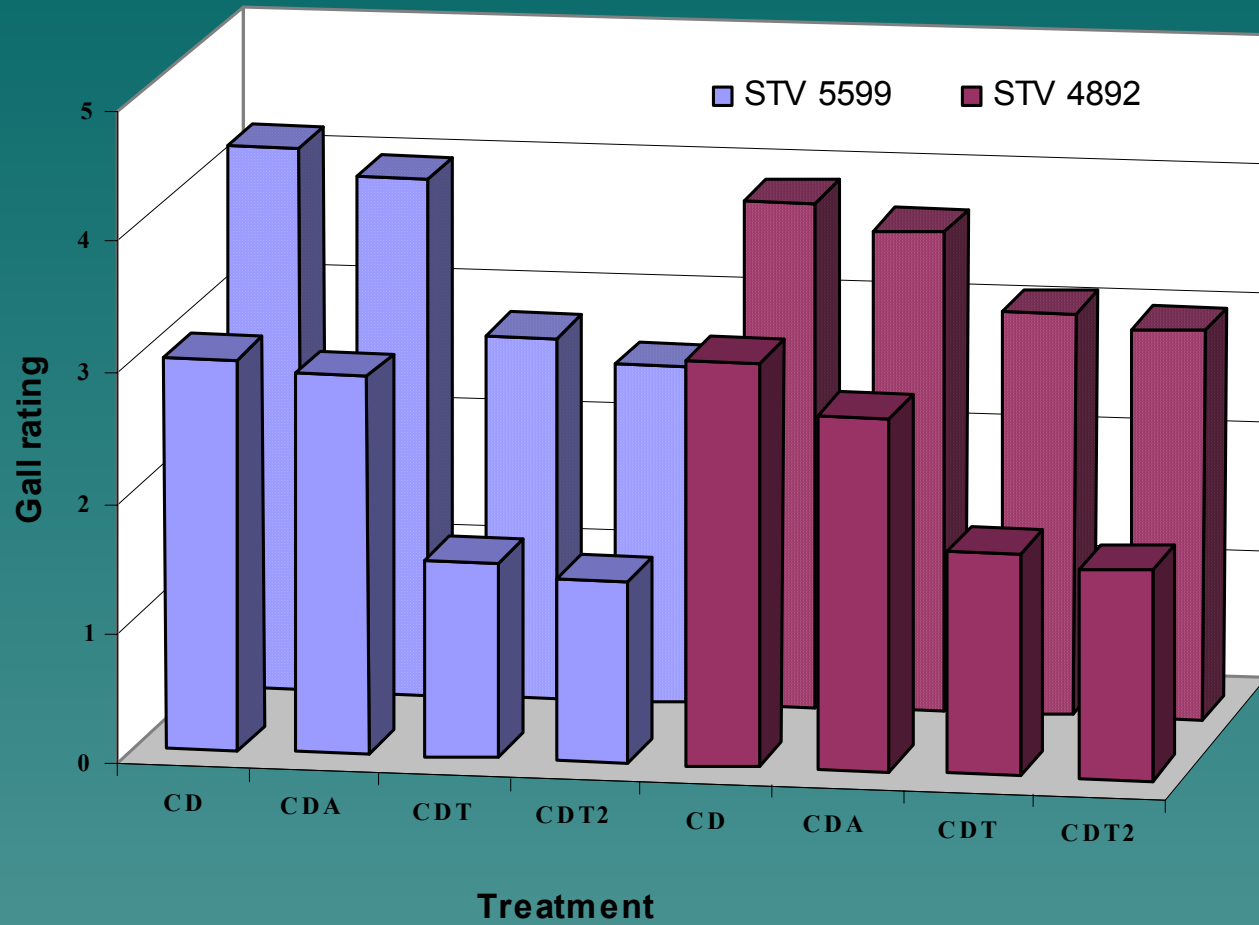




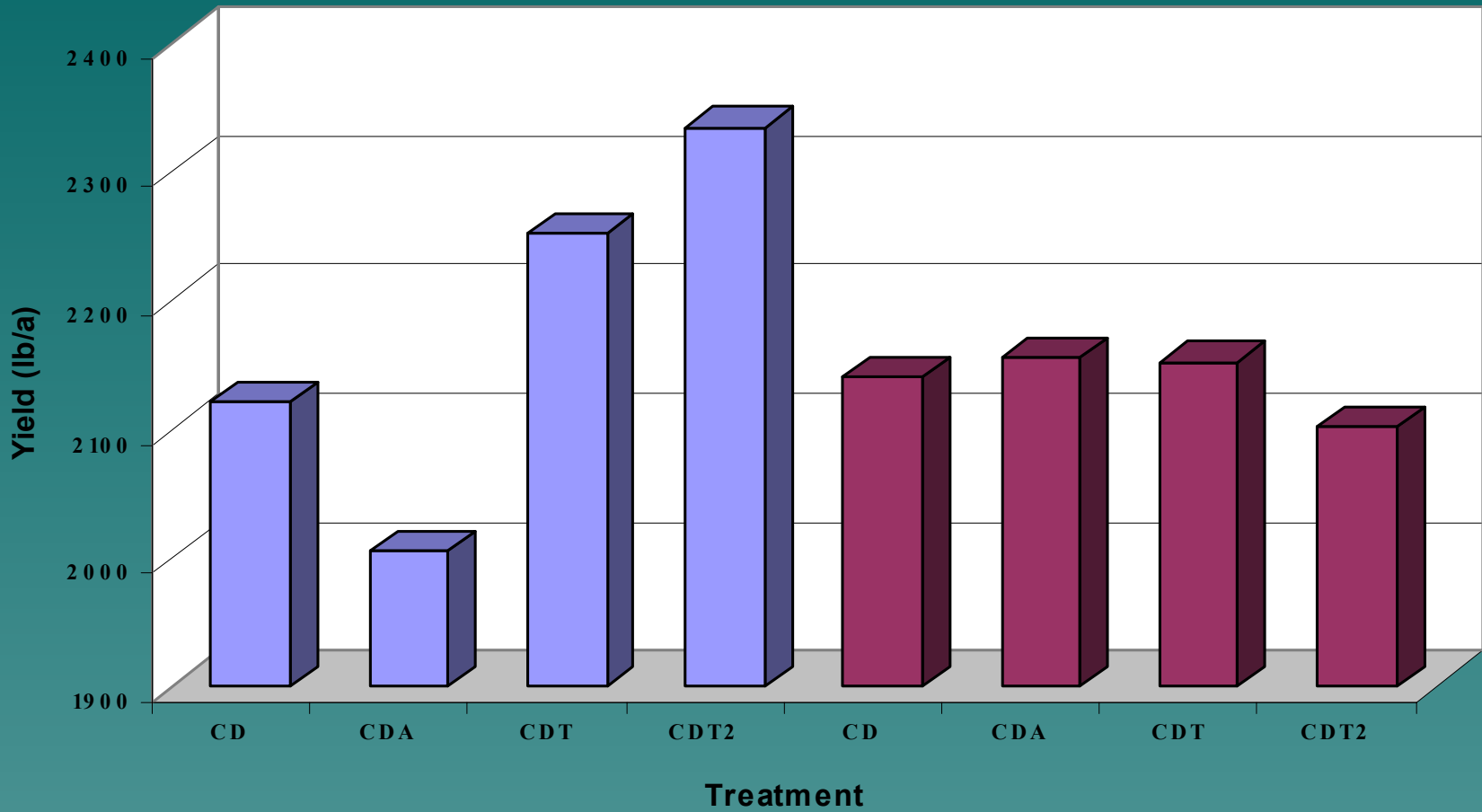
**Efficacy of Avicta and Temik.**



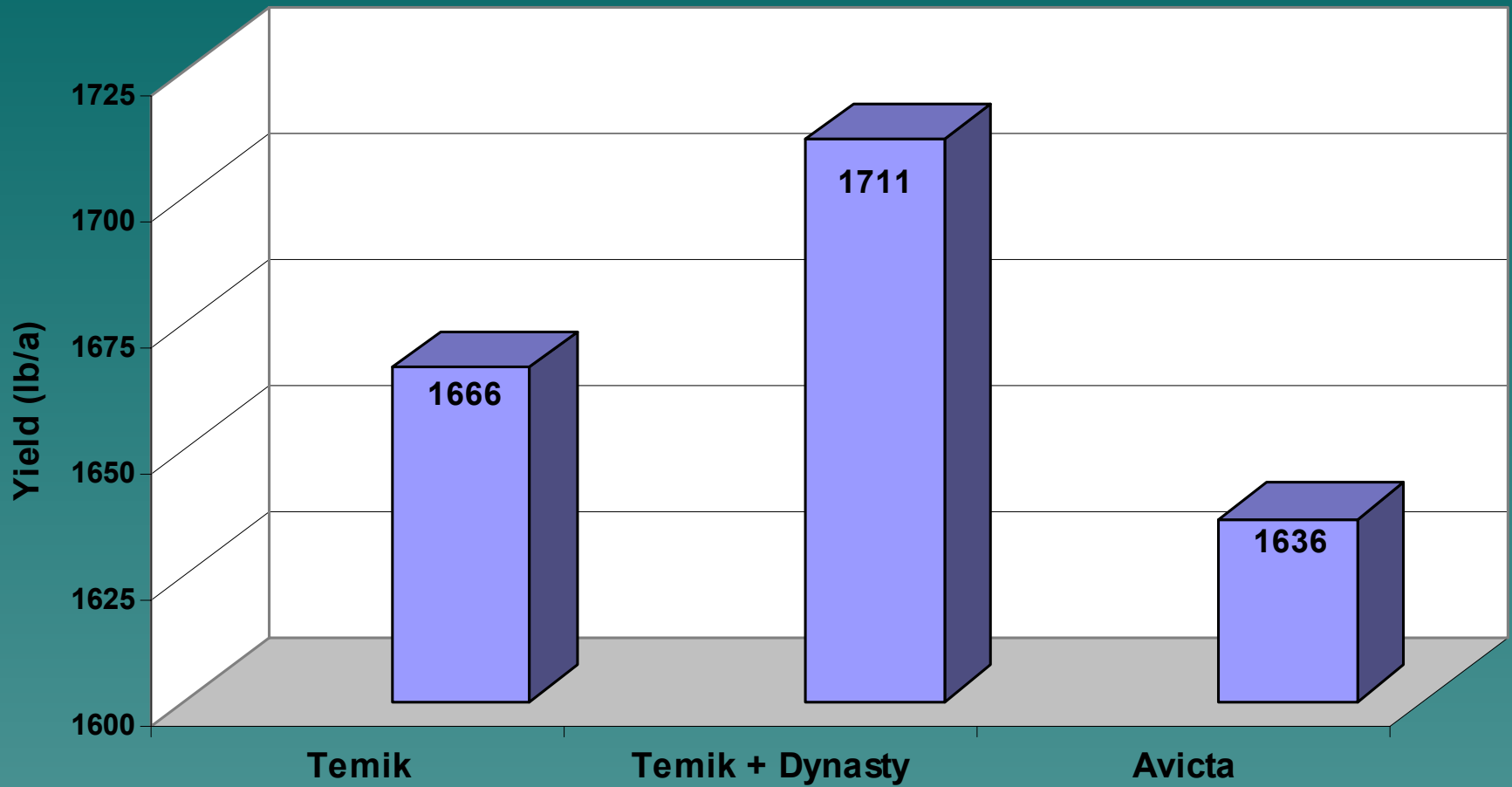
**Efficacy of Avicta and Temik.**



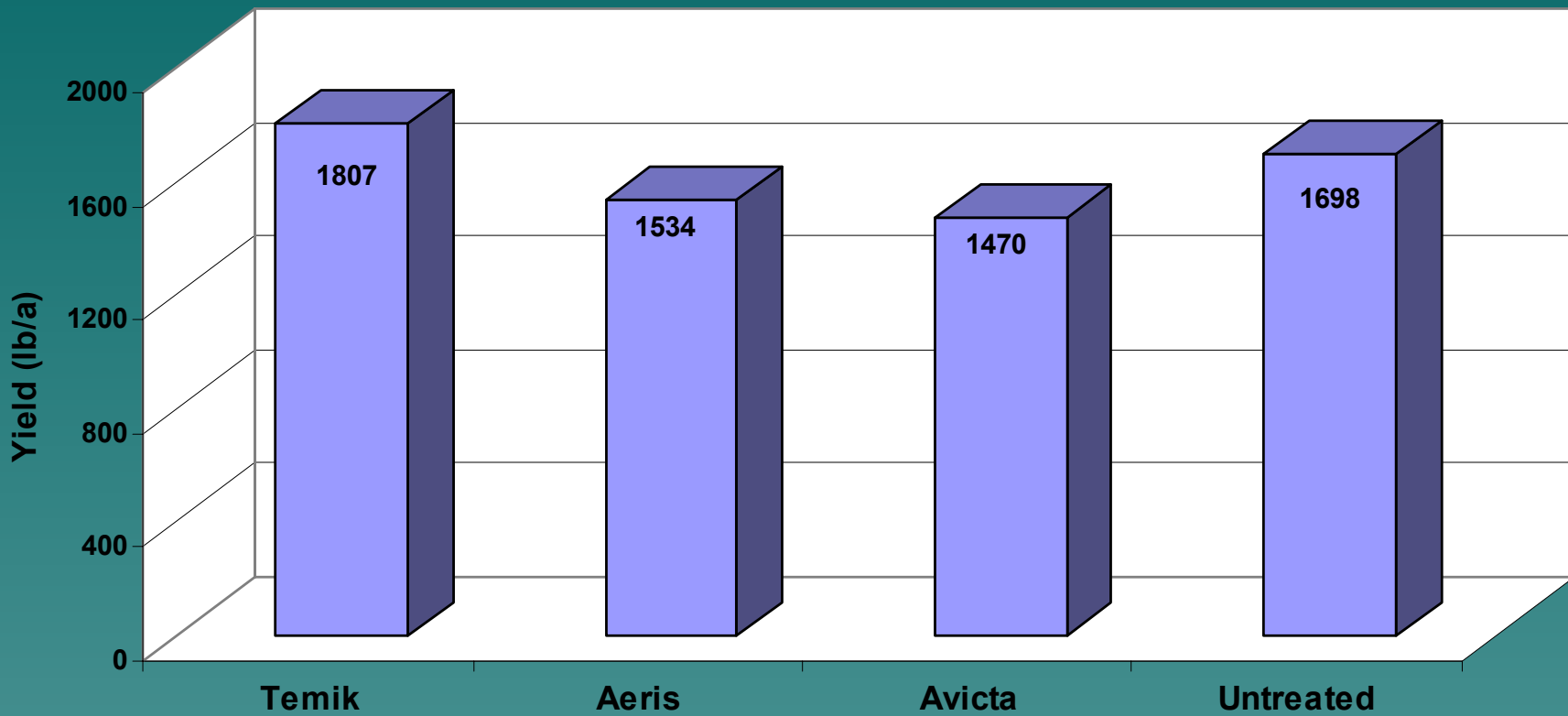
**Comparison of Temik and Avicta efficacy on two cultivars.**



**Comparison of Temik and Avicta efficacy on two cultivars.**



**Comparison of Temik and Avicta in large plots.**



**Effect of Nematicides on Yield**

# Summary

- ◆ **Root galling early is higher with Avicta than with Temik**
- ◆ **Yields with Avicat are equal to or less than Temik**

**“Protects against low-to-moderate nematodes populations”**

**✓ Not effective all of the time!**

**✓ Exactly what are low-to-moderate populations?**

**✓ What are the populations in your soil?**



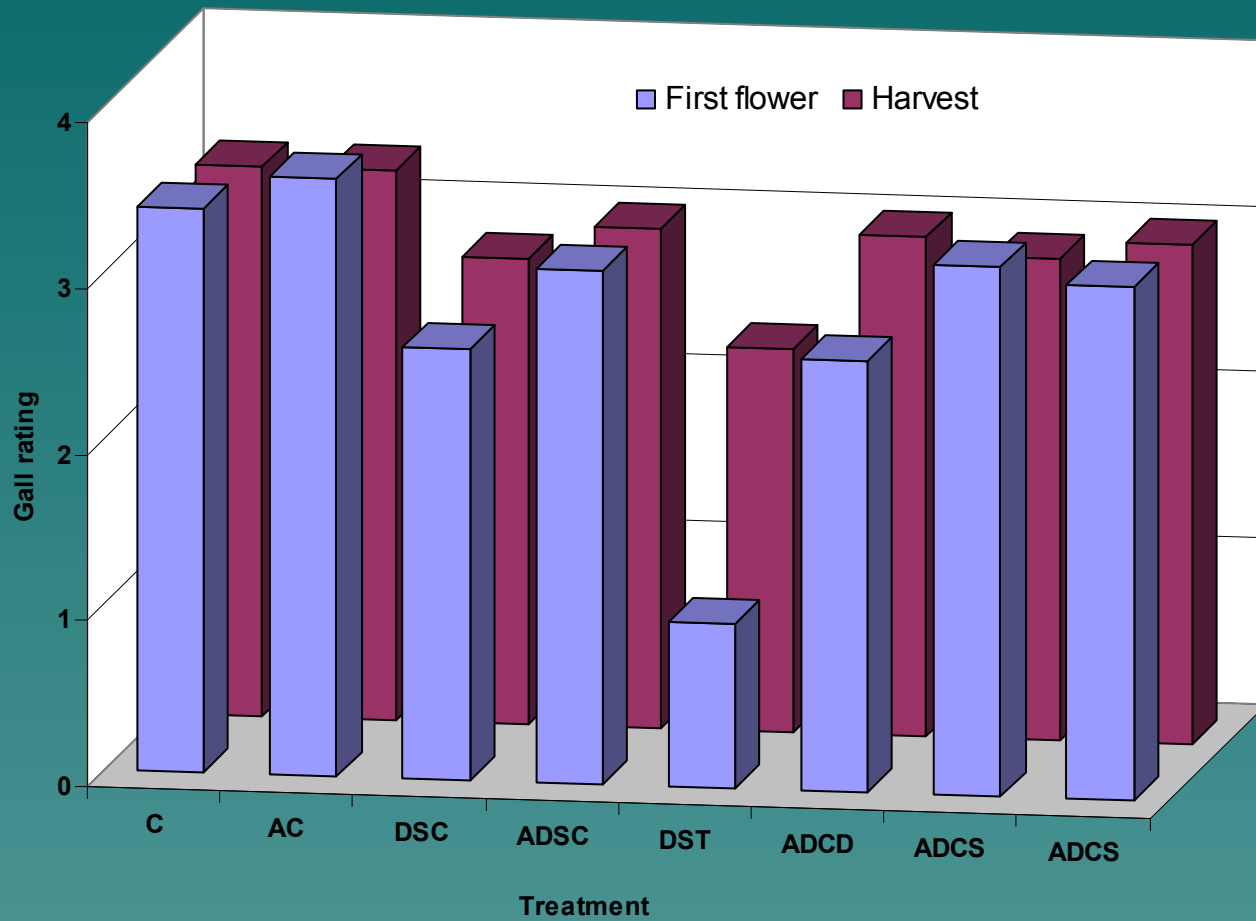
# Nematode Sampling

- ◆ When is the best time to sample?  
late summer or fall
- ◆ How to sample?  
from several areas in the field

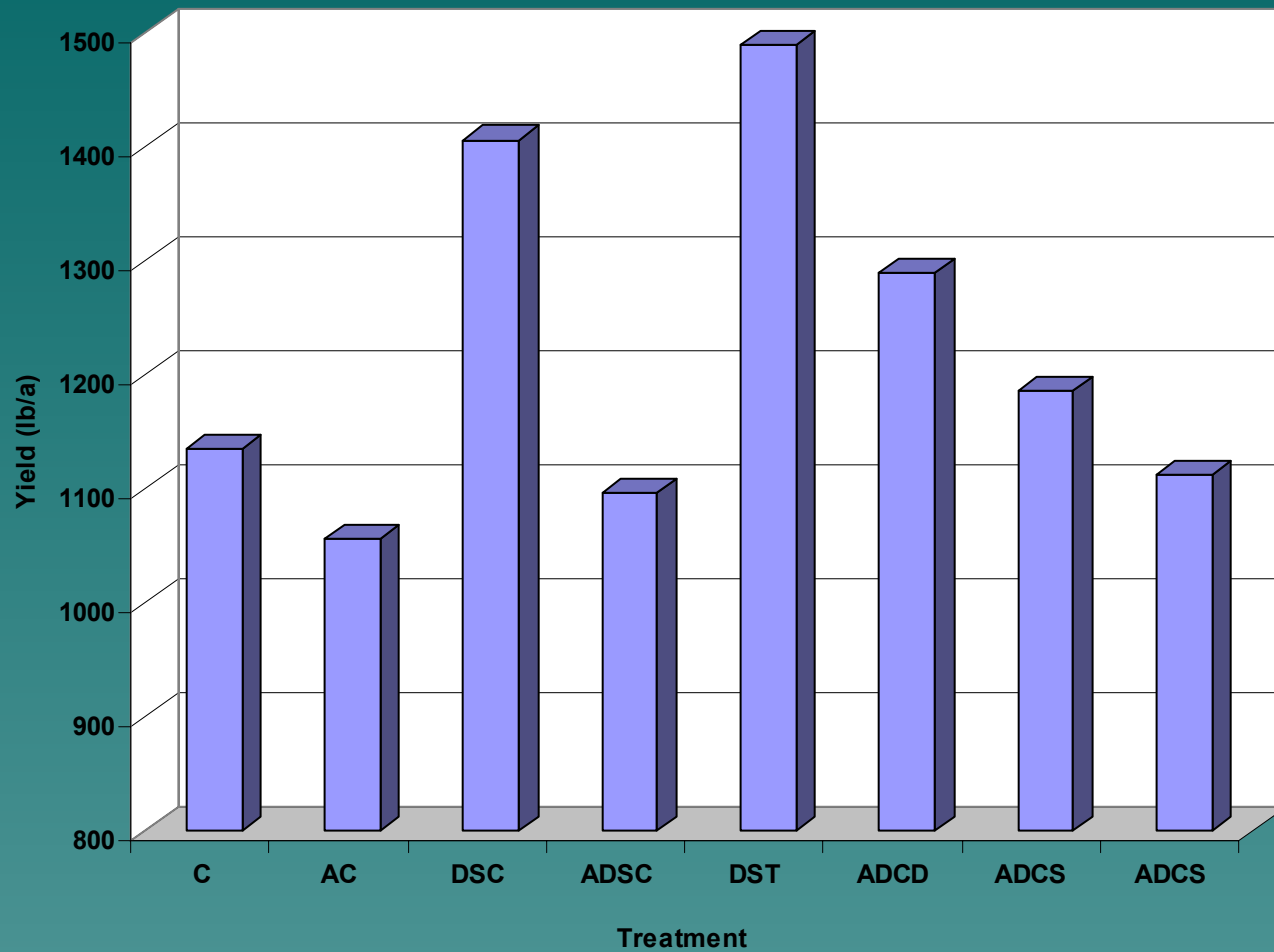
# Seed treatment options?







**Evaluation of formulations of Avicta.**



**Evaluation of formulations of Avicta.**