

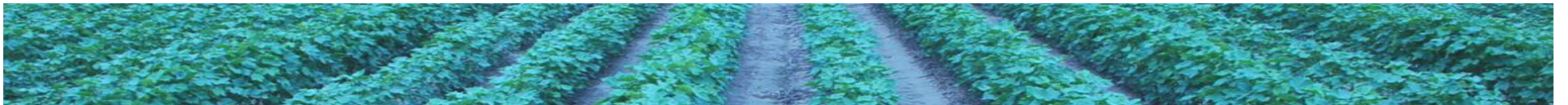


# Nematicides: Seed Treatment Expectations

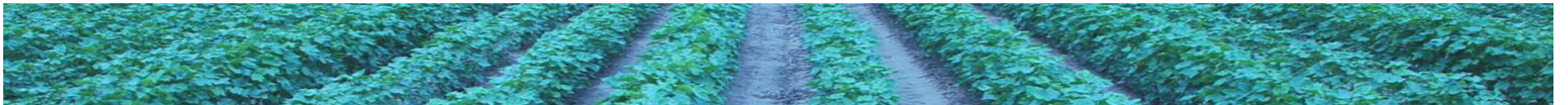
Charles Overstreet  
Extension Nematologist















Poncho®/VOTiVO®  
combined with  
AERIS® on Cotton



Avicta Complete  
Cotton



Acceleron® Nematicide,  
Fungicide and Insecticide  
Seed Treatment for  
Cotton





Avicta & Telone 3 gal/a left

Check right



Avicta left

Avicta & Telone 3 gal/a right



Telone 3 gal/a & Temik 3.5 lb/a left

Temik 3.5 lb/a right



Check

# 2011 Test



137= Avicta



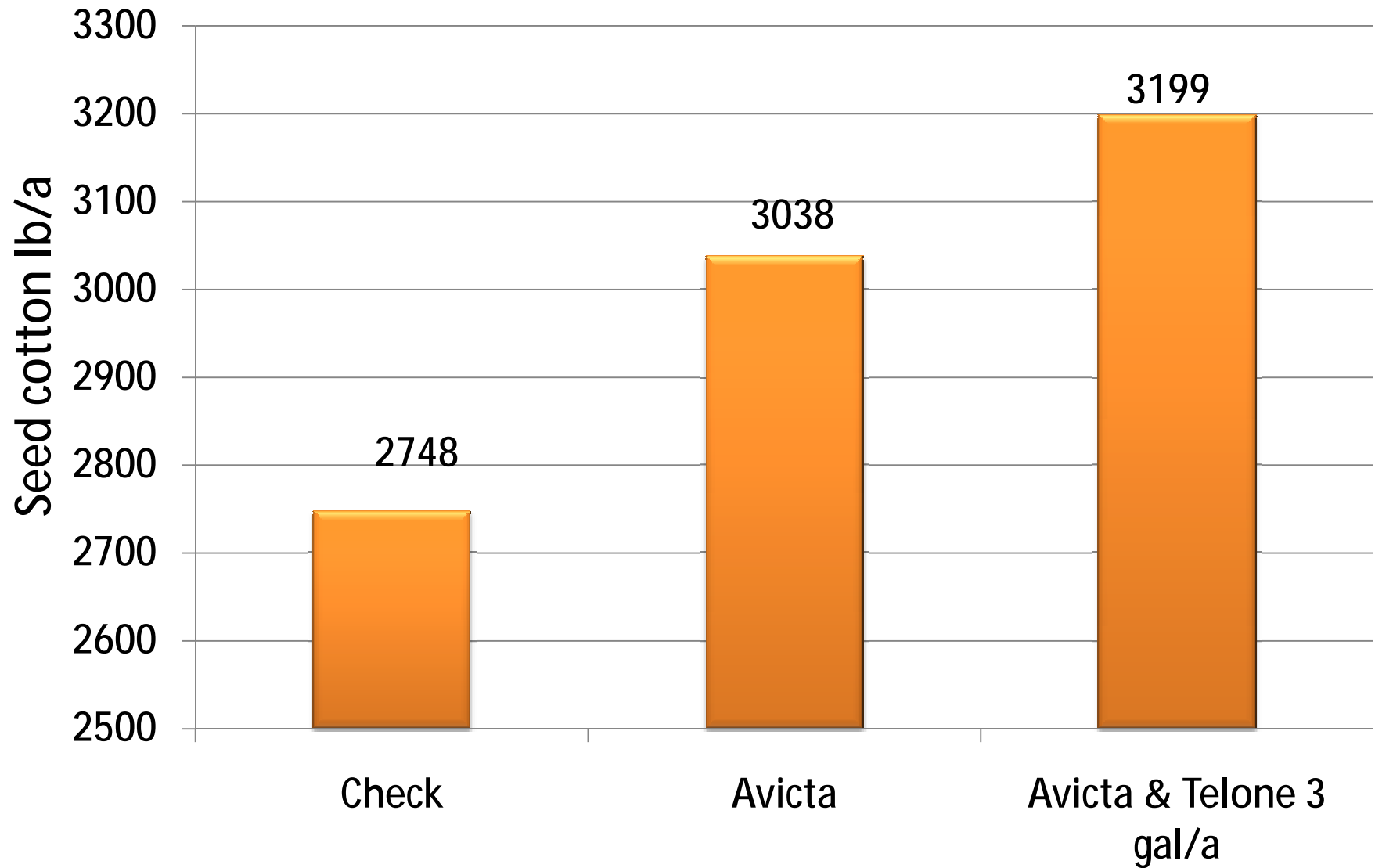
134= Telone 1.5 gal/a



Avicta and telone 3 gal

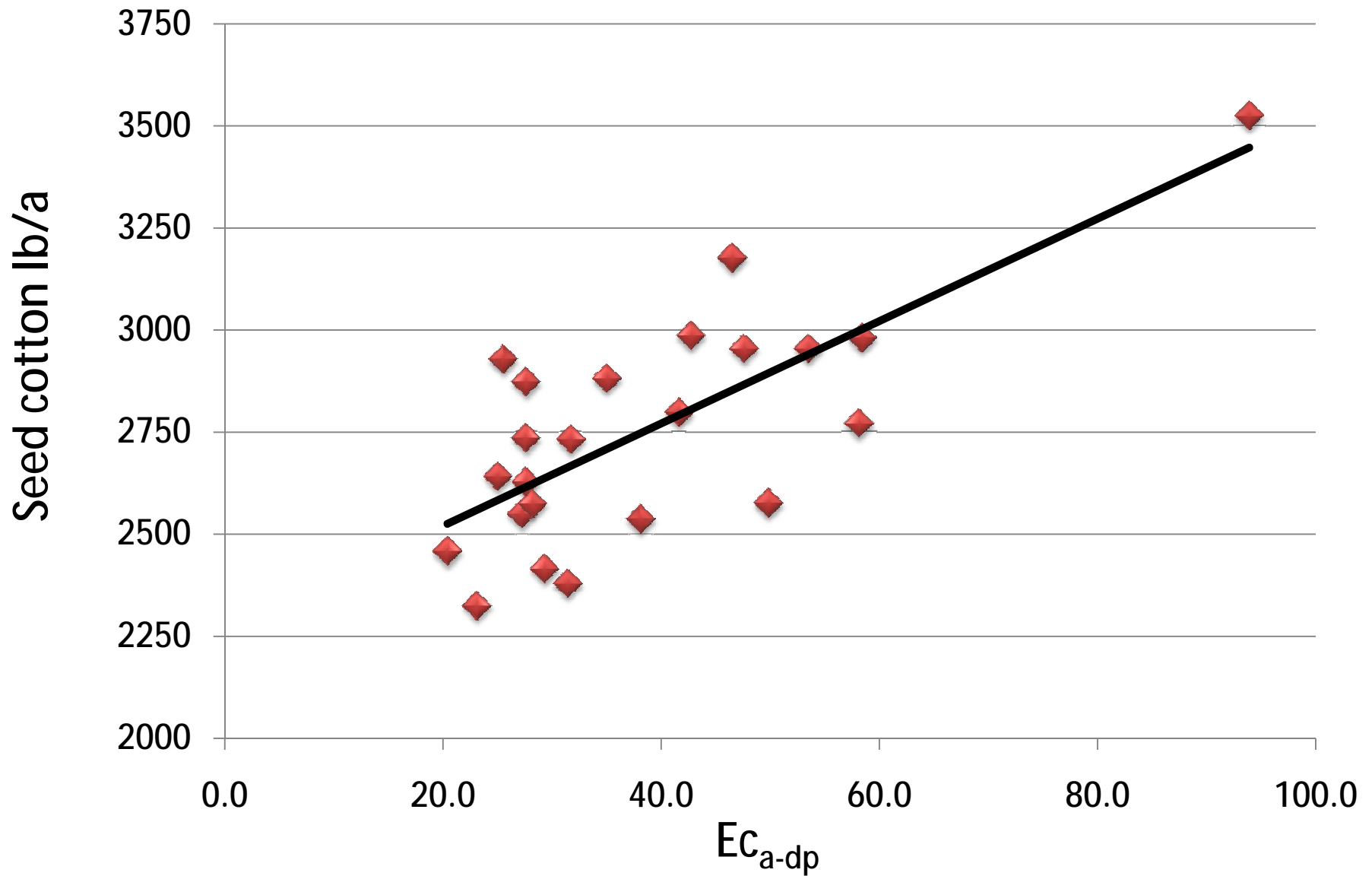


# Nematicide trial at Northeast Research Station across different soil zones

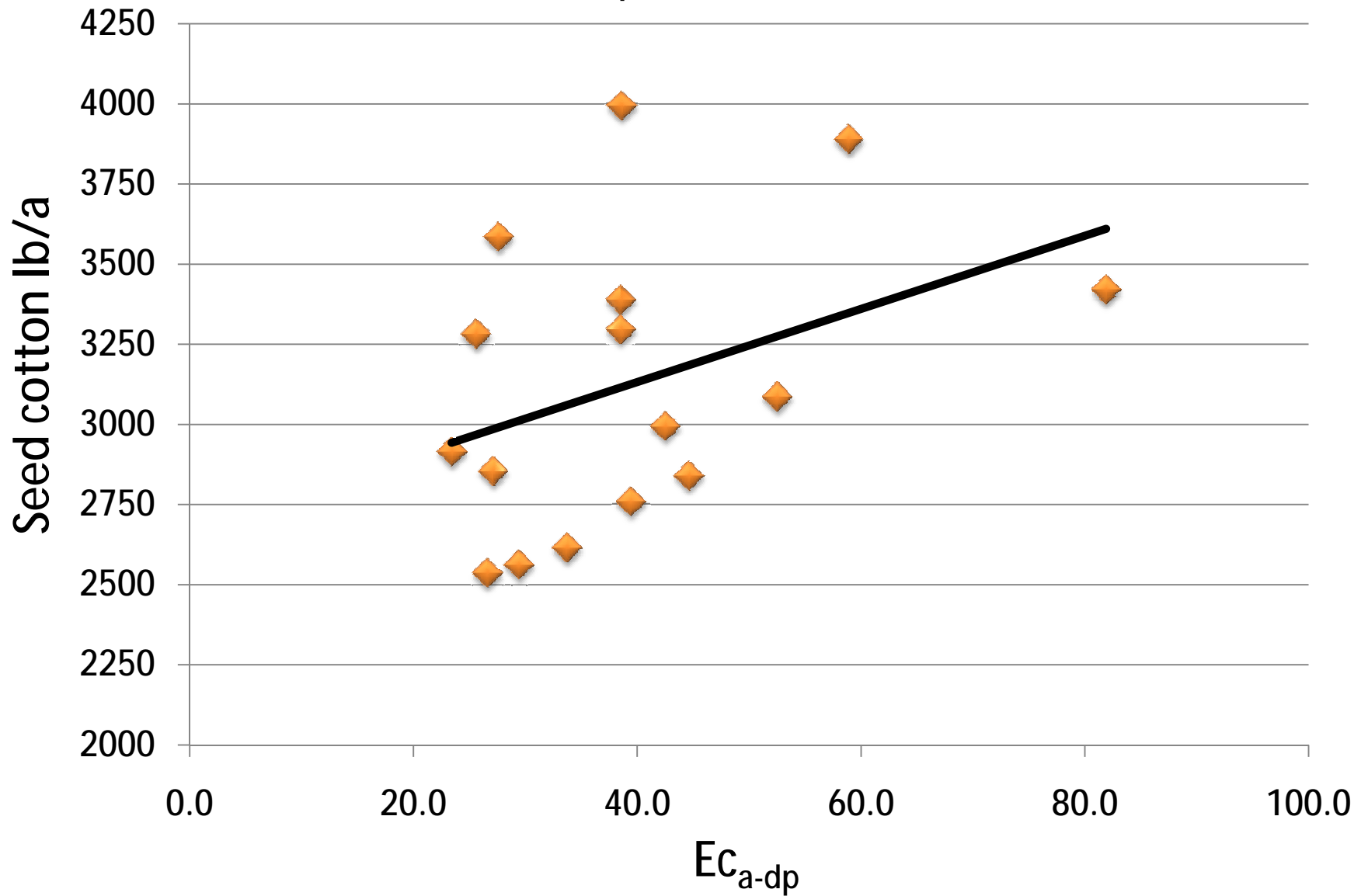




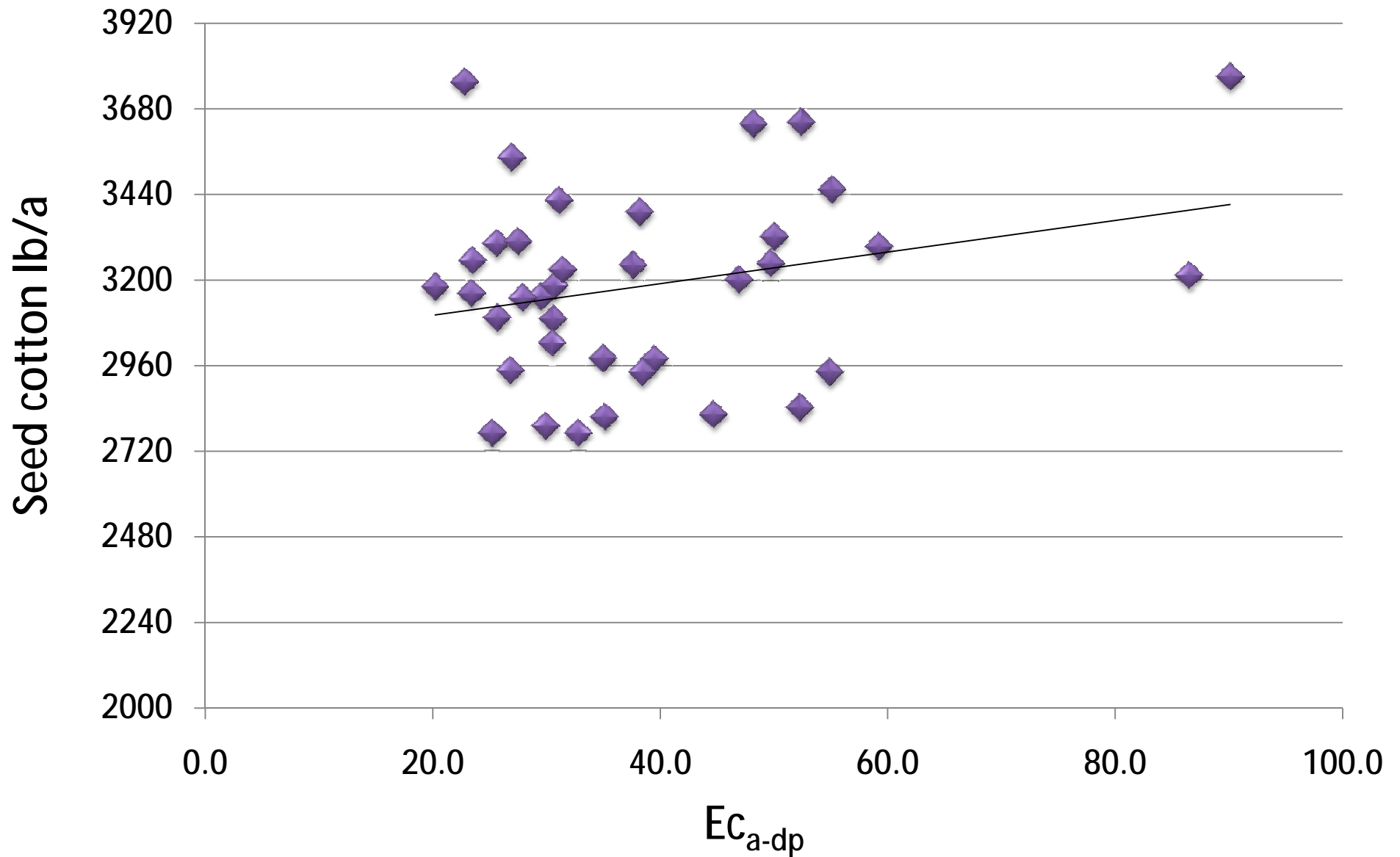
# Check across $EC_{a-dp}$ areas in a field



# Avicta across $EC_{a-dp}$ areas in a field



# Avicta & Telone 3 gal/a across EC<sub>a-dp</sub> areas in a field



# Poncho Votivo

Labeled for cotton now

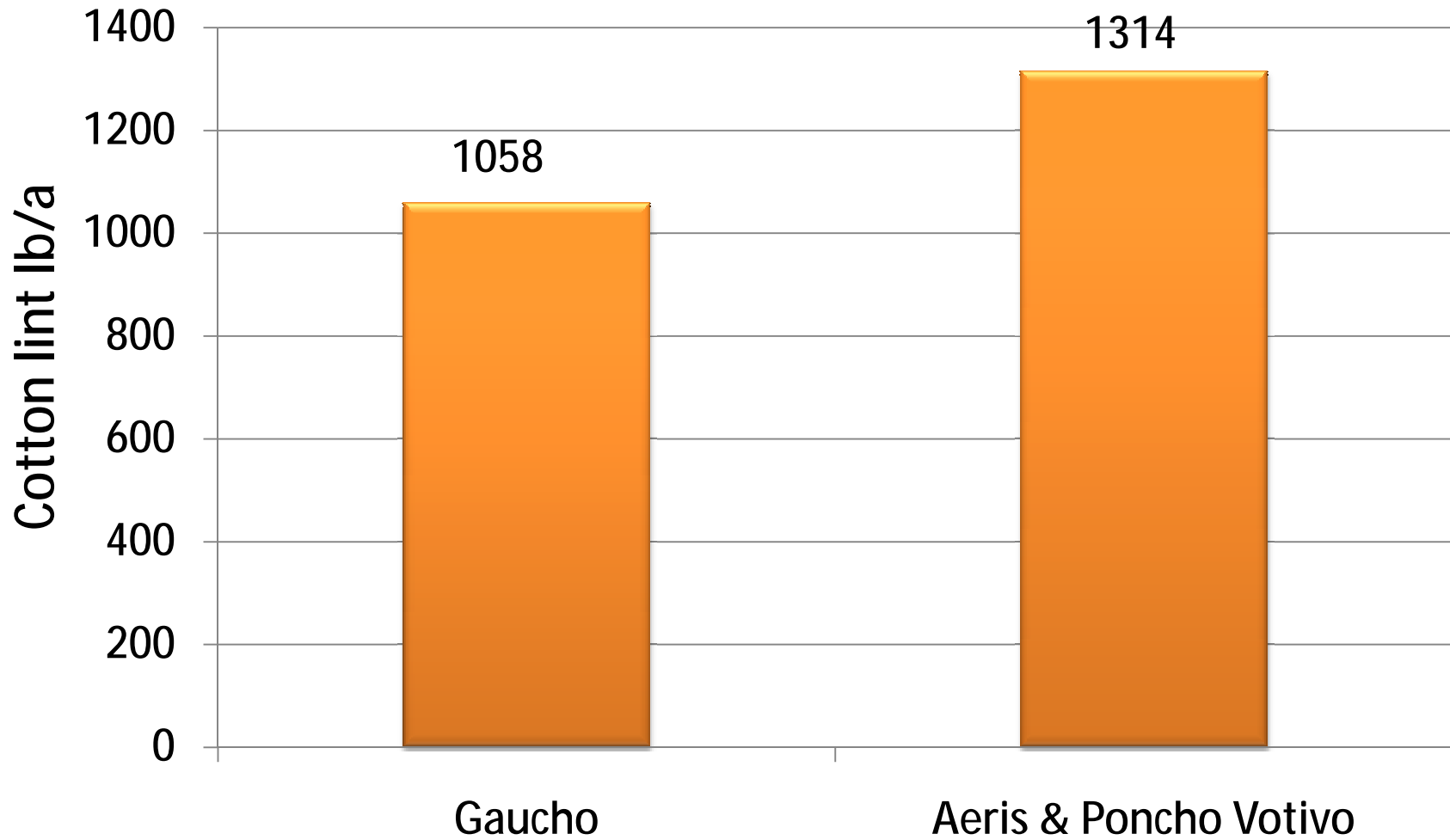
Provides a barrier to nematodes

- \*Less nematodes move into the roots

- \*Delays development



# Nematicide trial at Northeast Research Station in 2011



Using seed treatments to manage nematodes in 2012

Right situations

Wrong situations



Cemetery North field



Zone 1

Zone 2

Levee field

Zone 3

Zone 4





# Right situations for seed treatments

Any field where nematode populations are low

- \*Crop rotation with a resistant or poor host of the nematode

- \* Nematodes just are not present in field or only recently been introduced

Areas within a field which have strong soils

- \*Higher clay content in either the upper or lower soil profile (Higher  $EC_{a-sh}$  or  $EC_{a-dp}$ )



# Wrong situations for seed treatments

Any field where nematode populations are high or very high

- \* Monoculture of cotton

- \* Situations where the preceding rotation crop was a good host for the nematode

Areas within a field which have weak soils

- \* High sand content in either the upper and particularly in the lower soil profile  
(Low  $EC_{a-sh}$  or  $EC_{a-dp}$ )

Additional nematicide

Crop rotation



# Seed treatments may be your only option

Other nematicides may simply not be available

- \*Telone is in short supply

- \*Temik is currently unavailable

Lack of equipment or expertise in applying site-specific use of other nematicides like Telone

Don't know the status of nematodes in fields

- \*Nematodes are persistent in the soil and especially deep within the soil profile



# Questions?

