

SEED TREATMENTS

A YEAR IN REVIEW



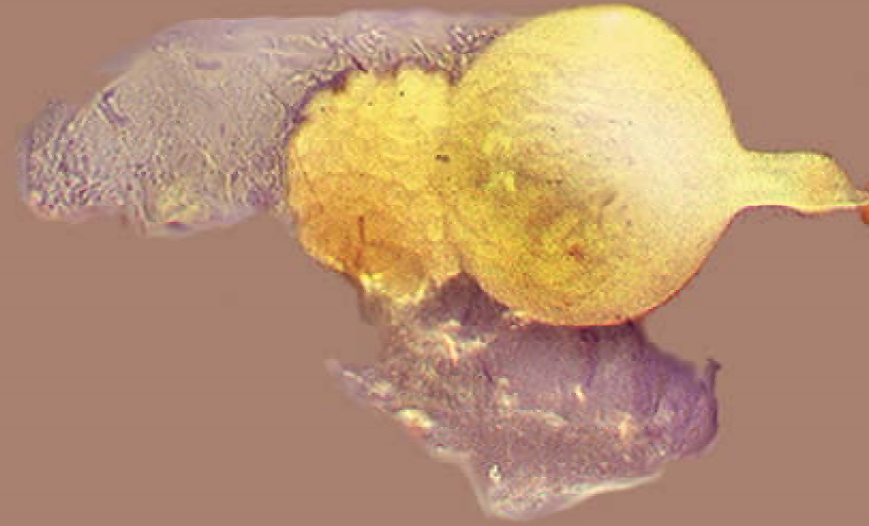
*Louisiana Agricultural
Technology & Management
Conference*

Why Seed Treatment??

- ✓ Easy to Use
- ✓ No Calibrating
- ✓ Safer to Handler
- ✓ Less Pesticide Load
- ✓ Planters Don't Have Boxes



Thrips



Root-knot

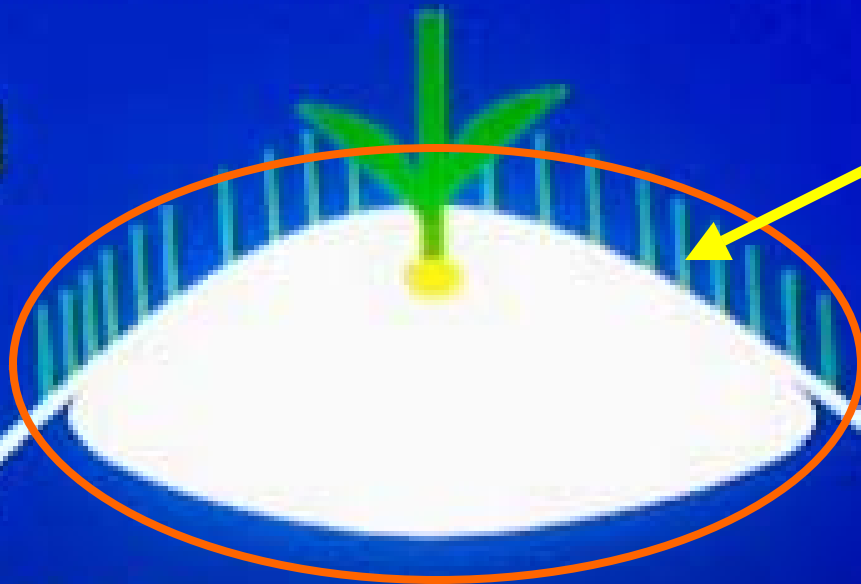
Reniform



Seedling Disease

Soil Applied

*Treating
Seed & Soil*



Seed Treatment

*Treating
Seed*



Seedling Disease



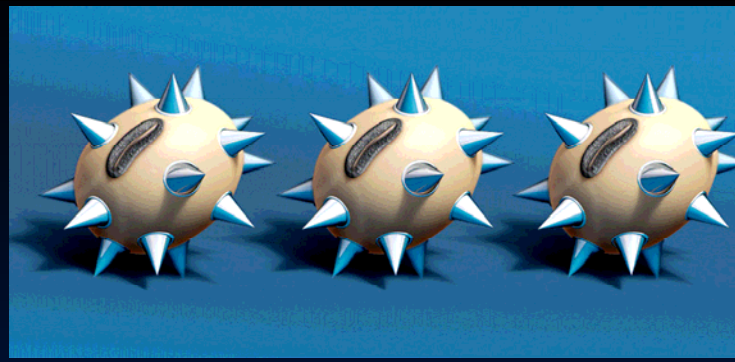


Seedling Disease *Fungi*

- ✓ **Rhizoctonia solani**
- ✓ **Fusarium spp.**
- ✓ **Pythium spp.**



Hopper Box & ST



✓ Delta Coat AD

✓ Dynasty CST

✓ Prevail

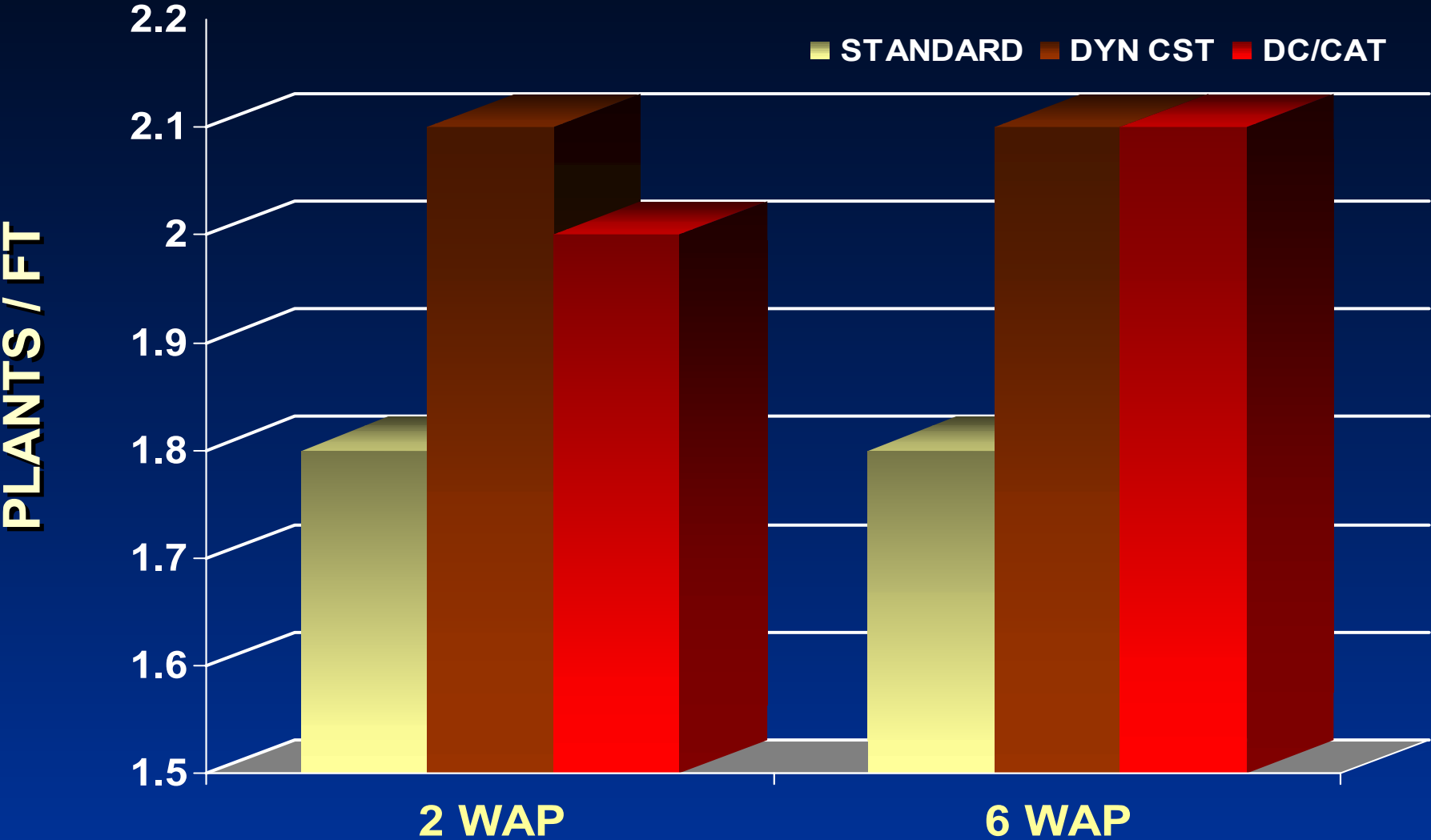


✓ System 3

✓ Trilex Advanced

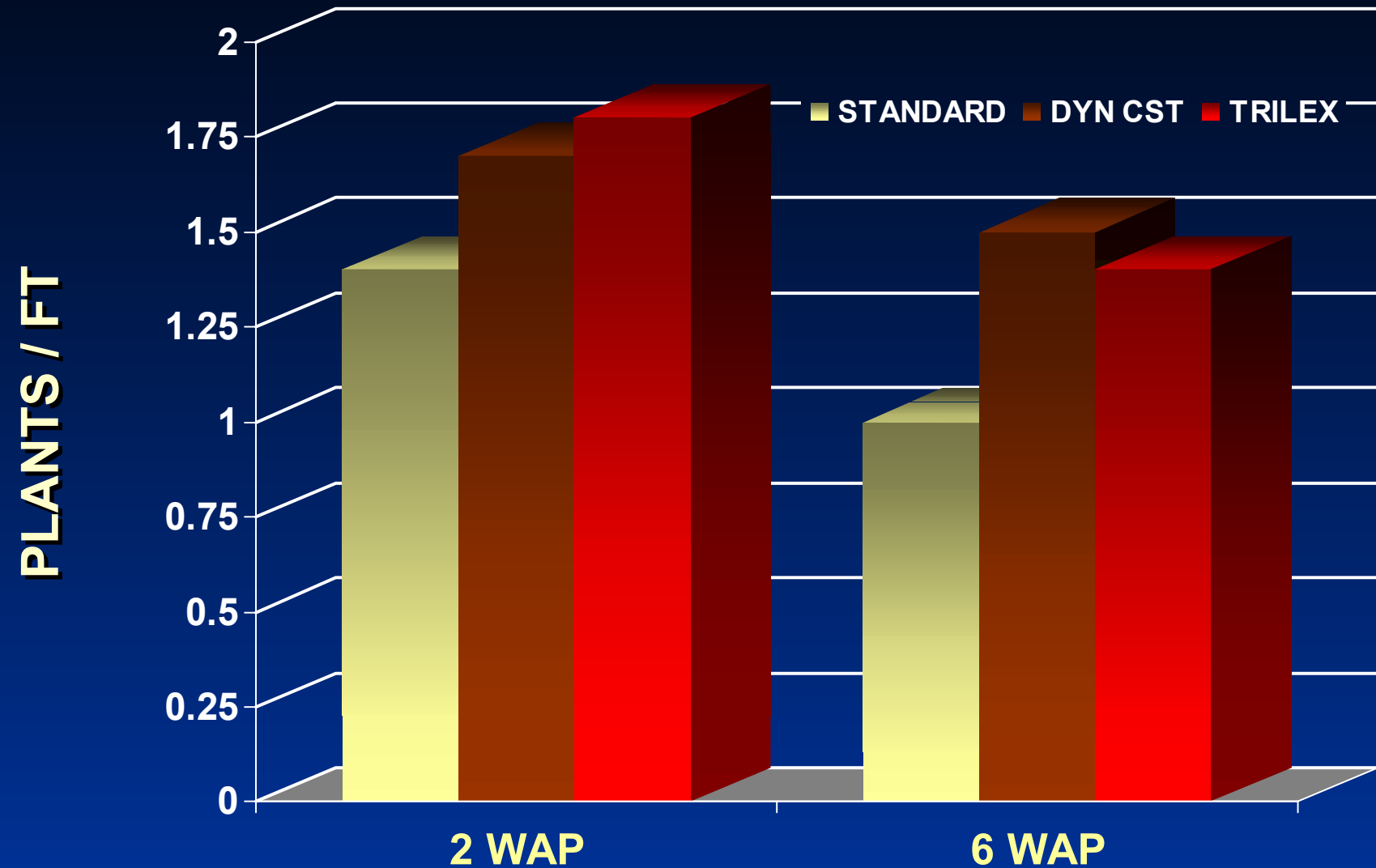
DYNASTY CST SUMMARIES

2003-2005



DYNASTY CST / TRILEX SUMMARIES

2006



Weather

A photograph of a landscape shrouded in thick fog. The fog is a pale, hazy blue-grey color. In the background, the dark silhouettes of trees are visible. In the lower foreground, the roof of a house is partially visible, also obscured by the fog.

Excessive Rainfall

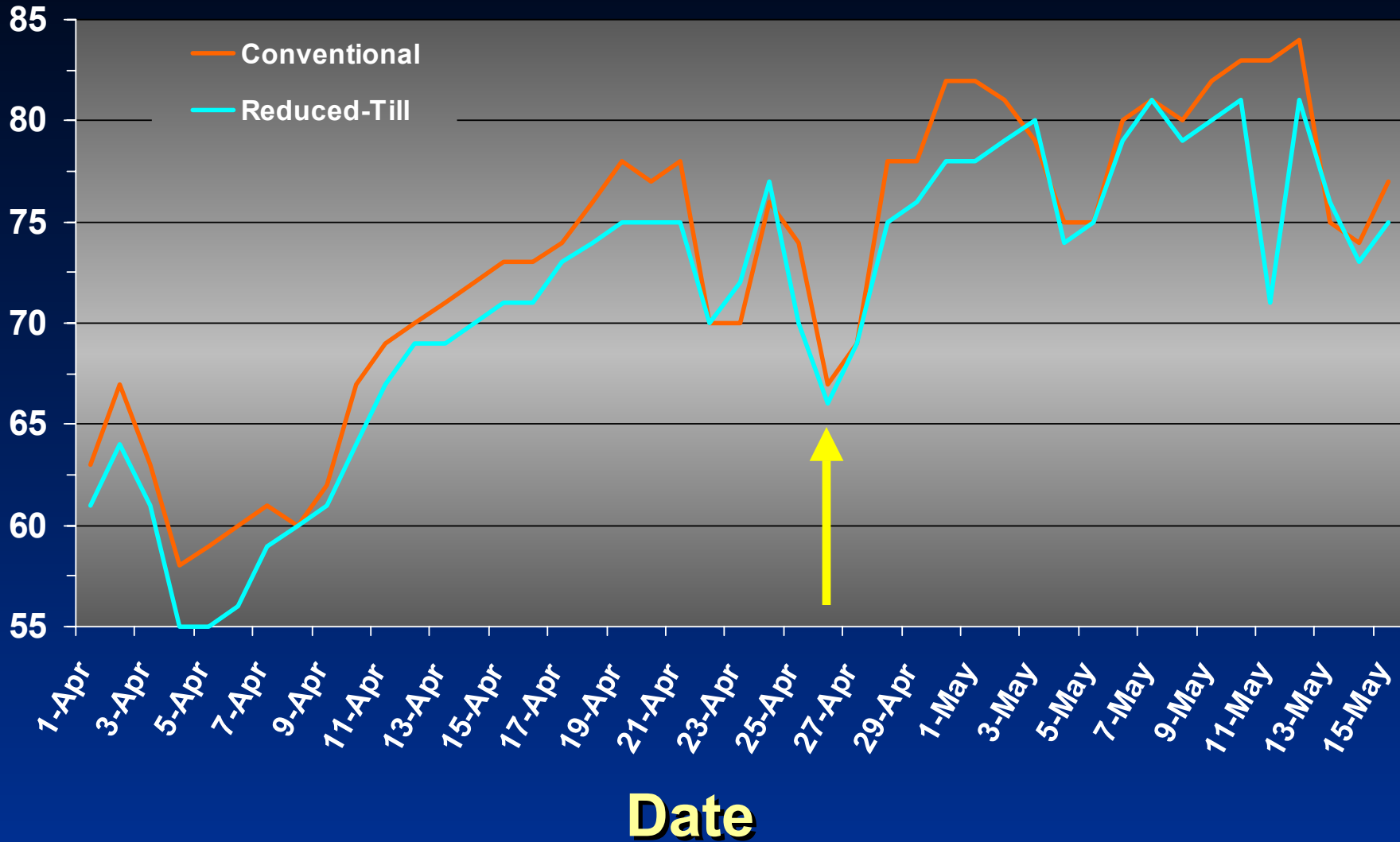
A photograph of a large agricultural field that has been completely inundated with water. The rows of green crops are submerged, and the water reflects the overcast sky. The background shows a line of trees under a grey, cloudy sky.

Approaching Cold Front

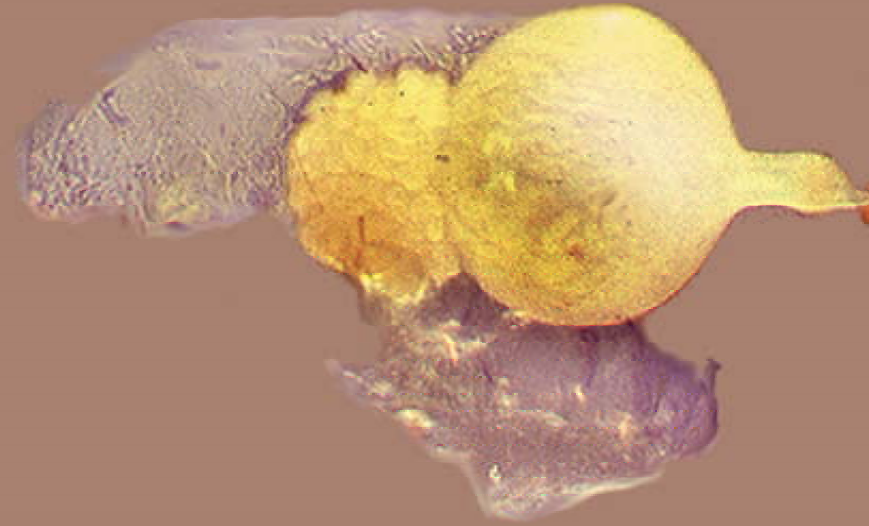
A photograph of an agricultural field where a cold front is approaching. The ground is covered with a layer of dry, brown straw or mulch. Rows of small green plants are visible, some appearing to be struggling or partially buried in the straw. The overall scene is desaturated and grey, indicating overcast and possibly rainy weather.

Where is the Fit ??

Soil Temperature (F)



Thrips



Root-knot

Reniform



Seedling Disease



AVICTA COMPLETE PAK

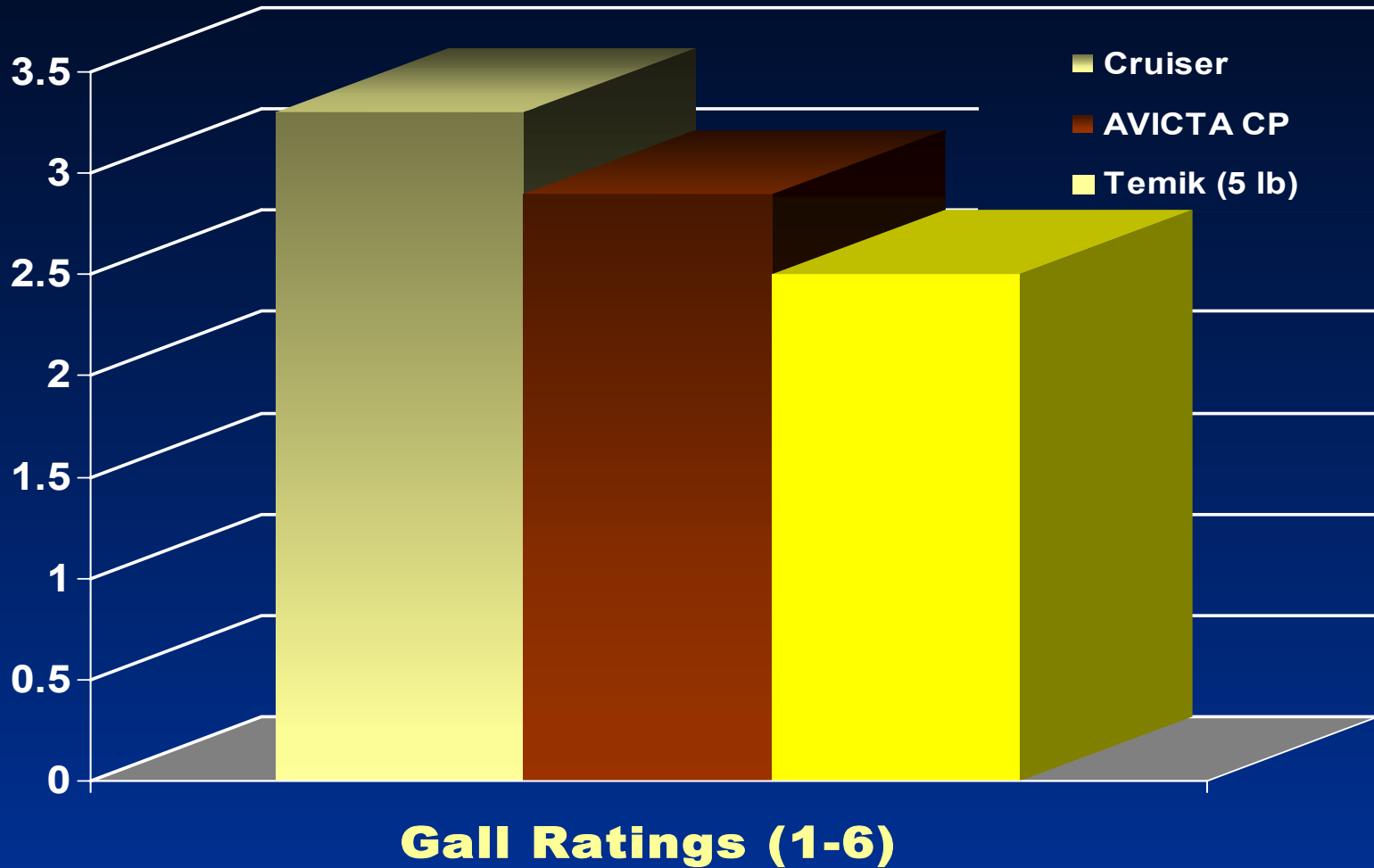
- **DYANASTY CST (SEED DIS)**
 - Azoxystrobin
 - Fludioxonil
 - Mefenoxam
- **CRUISER (INSECTS)**
- **AVICTA (NEMATODES)**



AERIS SEED-APPLIED SYSTEM

- **AERIS (NEMATODES / INSECTS)**
 - Imidicloprid
 - Thiodicarb
- **TRILEX (SD DIS)**
 - Trifloxystrobin (22.0%)
 - Allegiance FL (28.35%)
 - Baytan 30 F (30.0%)

AVICTA SUMMARY 2003-2005



AVICTA / AERIS Comparison

Seed Treatment \$\$\$/A

	5 A/bag	6 A/bag	7 A/bag
AVICTA	23.00	19.00	16.00
AERIS (230^a)	20.80	17.35	14.90
AERIS (250^b)	22.05	18.40	15.75
Temik 3.5 #	11.20	11.20	11.20
Quadris 5 fl /oz	10.35	10.35	10.35
Ridomil G 1 fl/oz	6.20	6.20	6.20

^a230,000 seed/bag

^b250,000 seed/bag

Conclusions

- ✓ **Seed treatment is promising**
- ✓ **Improved stands by 0.3-0.5 plants/ft**
- ✓ **Reduced galling compared to non-treated, but not as much as Temik**
- ✓ **Effective for light to light-moderate infestations of Root-knot nematodes**

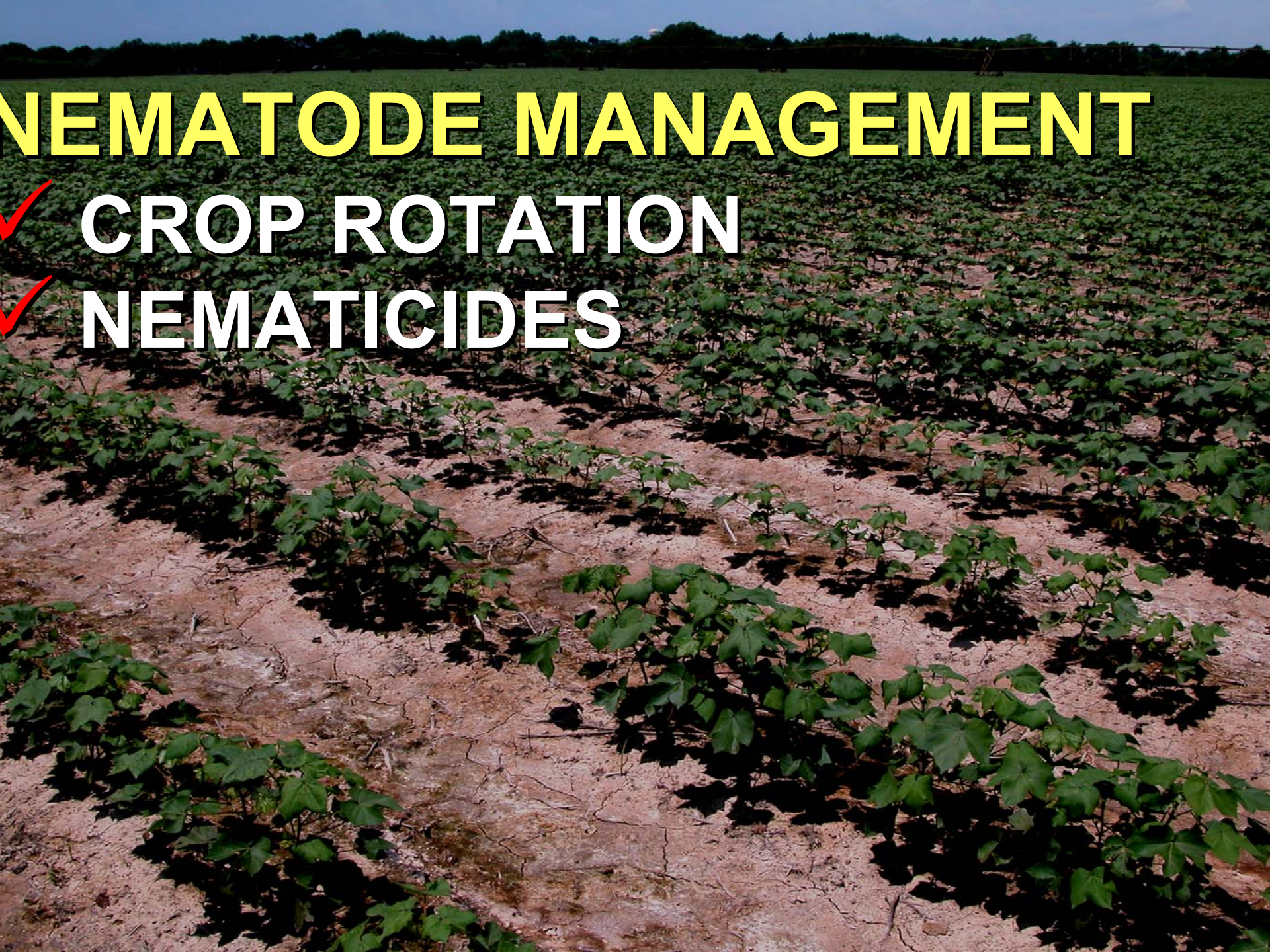
Conclusions

- ✓ **No data on Reniform**
- ✓ **Provided early-season thrips control,
lacks the residual activity of Temik**
- ✓ **Impact on yields was inconsistent**

NEMATODE MANAGEMENT

✓ CROP ROTATION

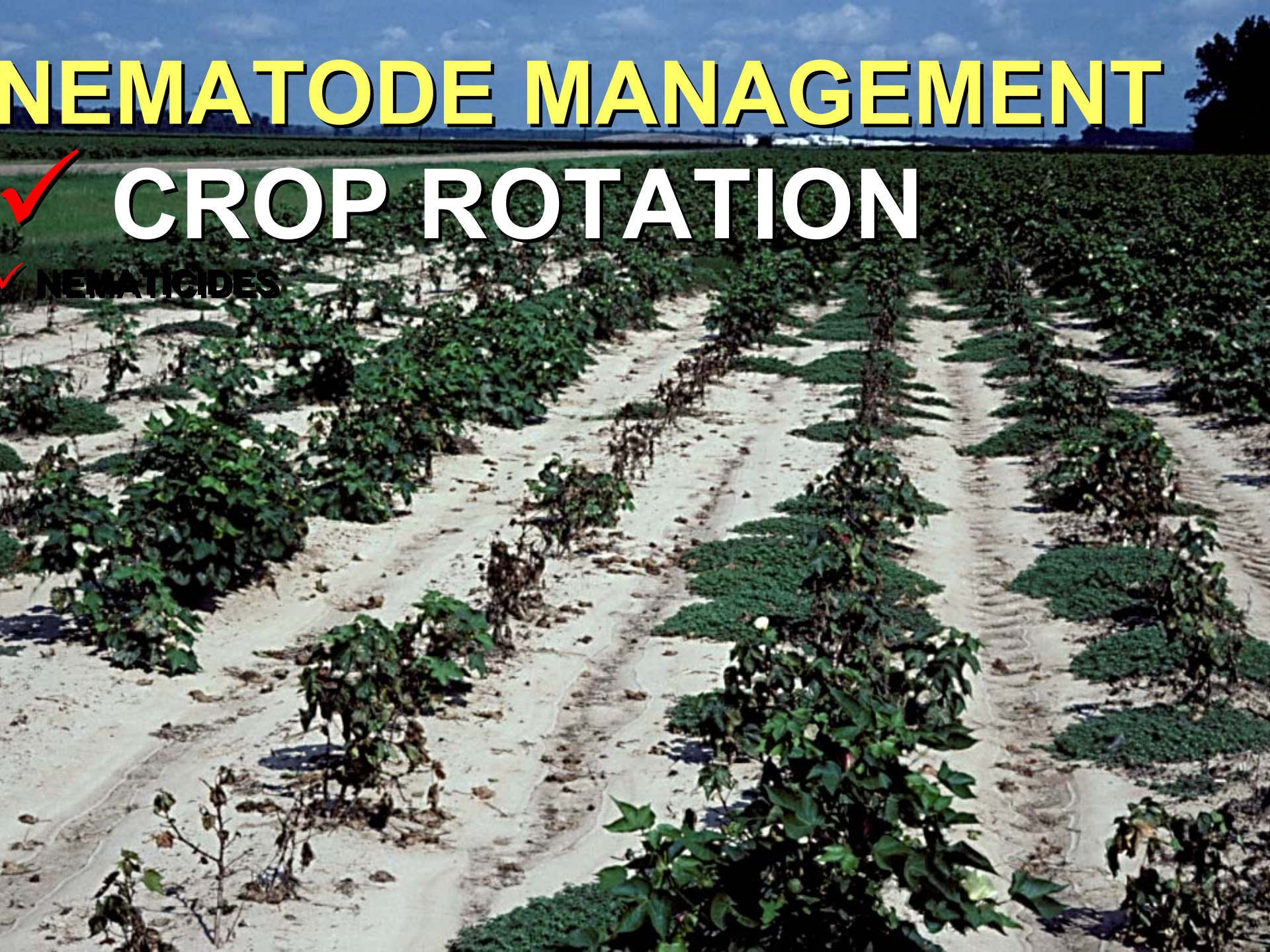
✓ NEMATICIDES



NEMATODE MANAGEMENT

✓ CROP ROTATION

✓ NEMATOCIDES





Thank You

- ✓ Associates
- ✓ Students
- ✓ Co-workers
- ✓ Syngenta
- ✓ Bayer

