

2011 CMDC Corn Nematodes Jackson & Behn

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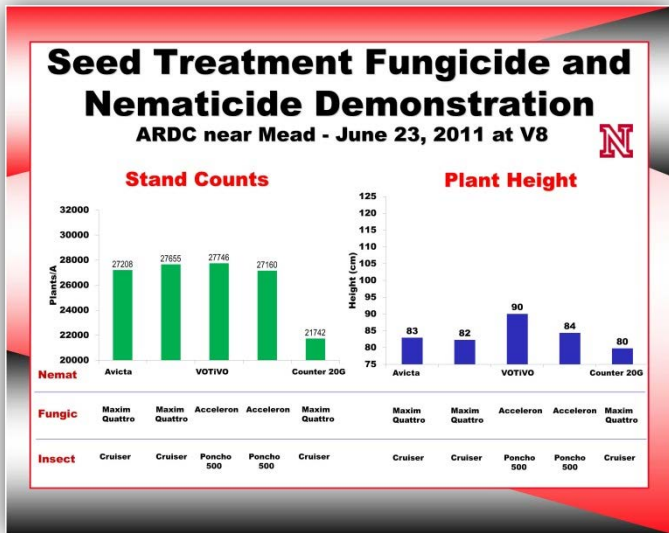
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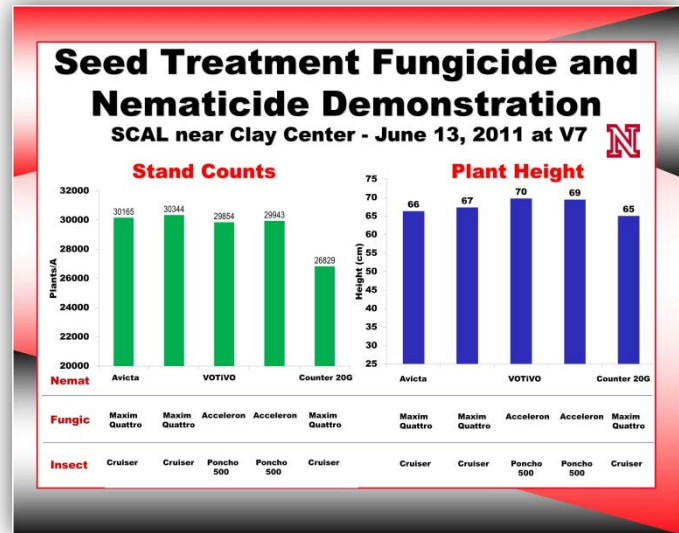
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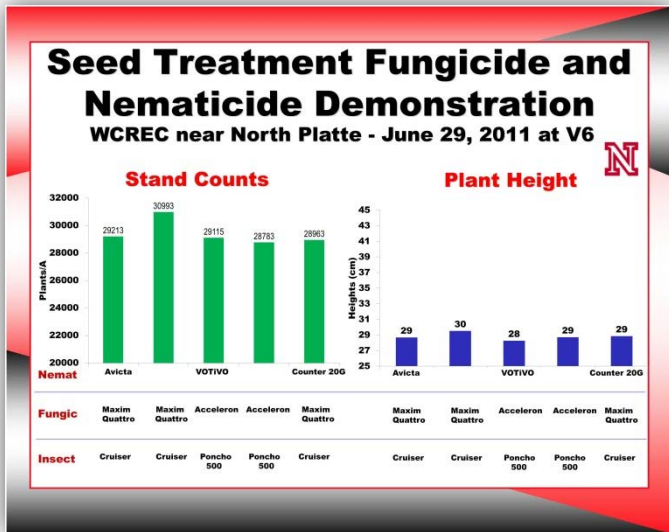
2011 University of Nebraska-Lincoln Extension CMDC



2011CMDC-Jackson (1)



2011CMDC-Jackson (2)



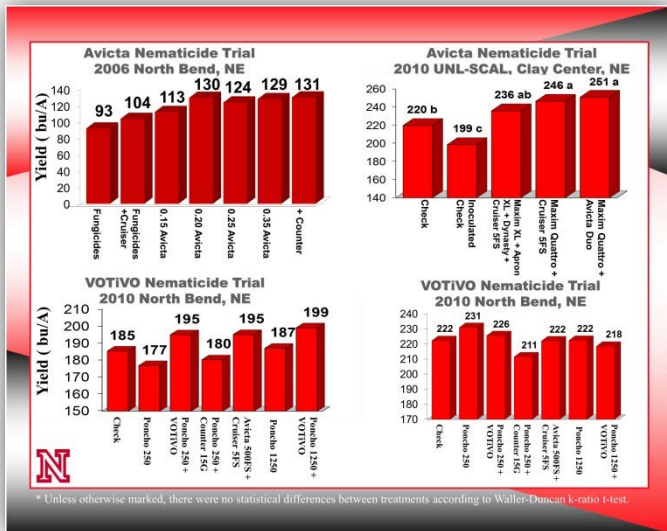
2011CMDC-Jackson (3)

New Seed Treatment Nematicides

- **Avicta Complete Corn®**
 - Syngenta
 - Abamectin
- **Poncho VOTIVO®**
 - Bayer CropScience
 - *Bacillus firmus* I-1582
- **Acceleron™ HX-209**
 - Monsanto Company
 - Harpin alpha beta protein

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2011CMDC-Jackson (4)



2011CMDC-Jackson (5)

2007 Regional Survey

- **16 States**
 - 727 counties
 - >20,000 acres corn
- **3 samples/county**
 - 2179 samples soil + roots
- **Collection coordinated by private contractor**
 - June/July 2007
- **Samples submitted to 1 of 6 labs**

State	Counties	Samples
Colorado	10	30
Illinois	90	268
Indiana	76	228
Iowa	99	297
Kansas	60	180
Kentucky	18	54
Michigan	33	99
Minnesota	57	171
Missouri	47	141
Nebraska	73	219
North Dakota	15	45
Ohio	48	144
Oklahoma	2	6
South Dakota	46	138
Wisconsin	52	156
Wyoming	1	3
16	727	2179

2011CMDC-Jackson (6)

2007 Regional Survey

Results

- **Root-lesion nematodes in 81% locations**
 - 93% Nebraska corn fields
- **Sting, needle, and stubby-root were NOT found in any of these samples**
 - Uncommon
 - Sample timing
- **99.2% locations had plant parasites**

2011CMDC-Jackson (7)