Corn Nematicide Trial Yield Results 2006-2010

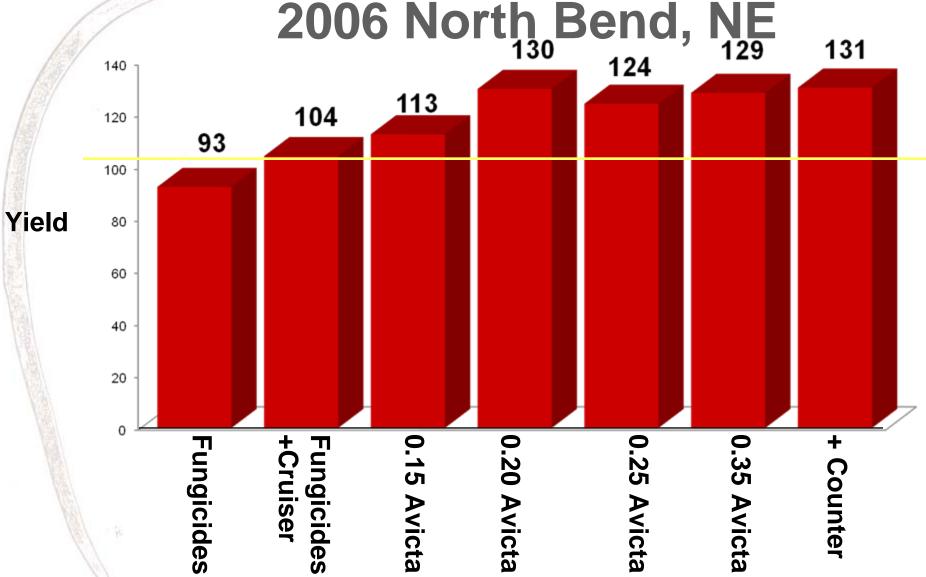
Tamra Jackson

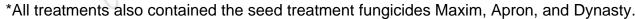
Extension Plant Pathologist University of Nebraska-Lincoln





Avicta Nematicide Trial Results 2006 North Bend, NE







North Bend, NE June 2006

Lesion nematodes*
Lance nematodes
Dagger nematodes
Stubby-root nematodes





Avicta Nematicide Trial Results 2007 Shelby, NE 150 145 137 140 136 133 **Yield** 135 129 130 125 120 Fungicides +Cruiser 0.15 Avicta 0.25 Avicta Counter *Treatment differences were NOT statistically different according to the Waller Duncan k-

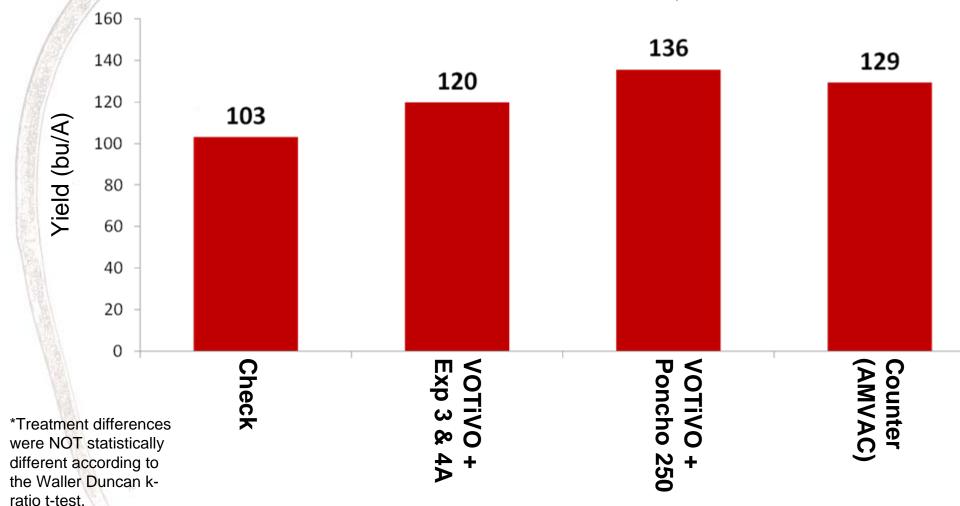
^{*}All treatments also contained the seed treatment fungicides Maxim, Apron, and Dynasty.



ratio t-test.



VOTiVO Nematicide Trial Results 2007 North Bend, NE

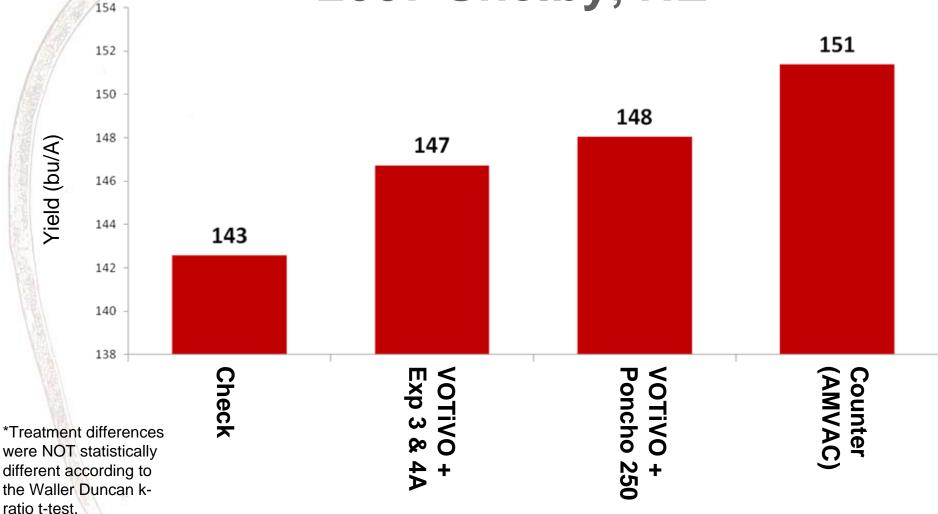


*All treatments also contained the seed treatment fungicides Maxim, Apron, and Trilex.





VOTiVO Nematicide Trial Results 2007 Shelby, NE

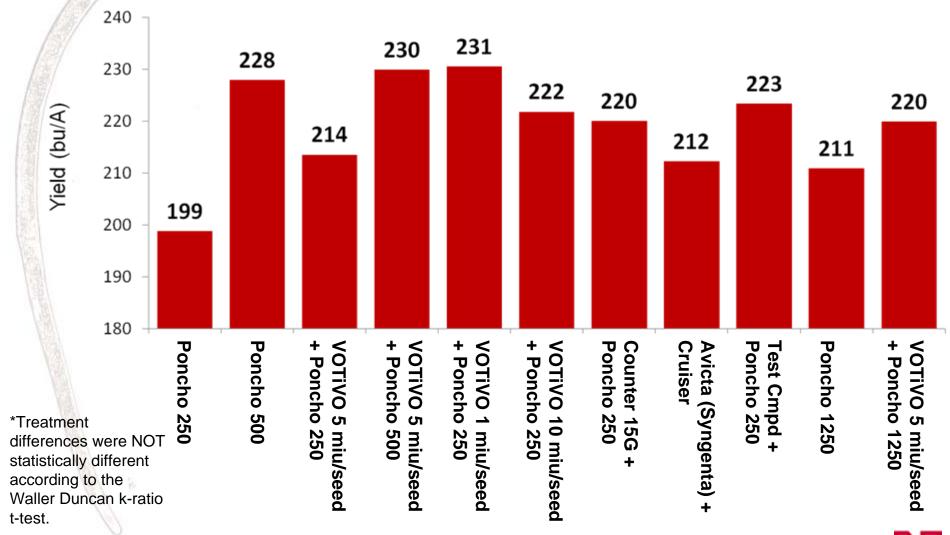


*All treatments also contained the seed treatment fungicides Maxim, Apron, and Trilex.





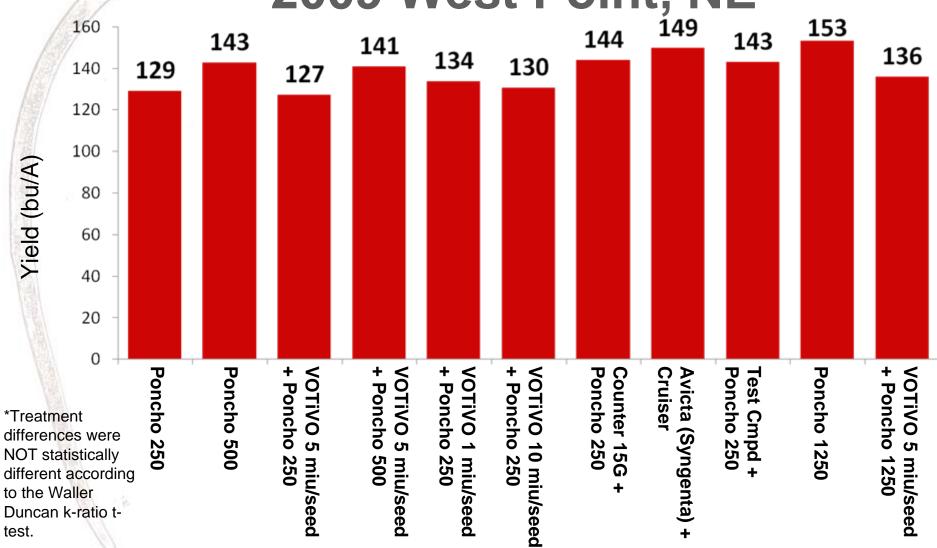
VOTiVO Nematicide Trial Results 2009 North Bend, NE



*All treatments had a base seed treatment fungicide combination of ipconazole and metalaxyl.



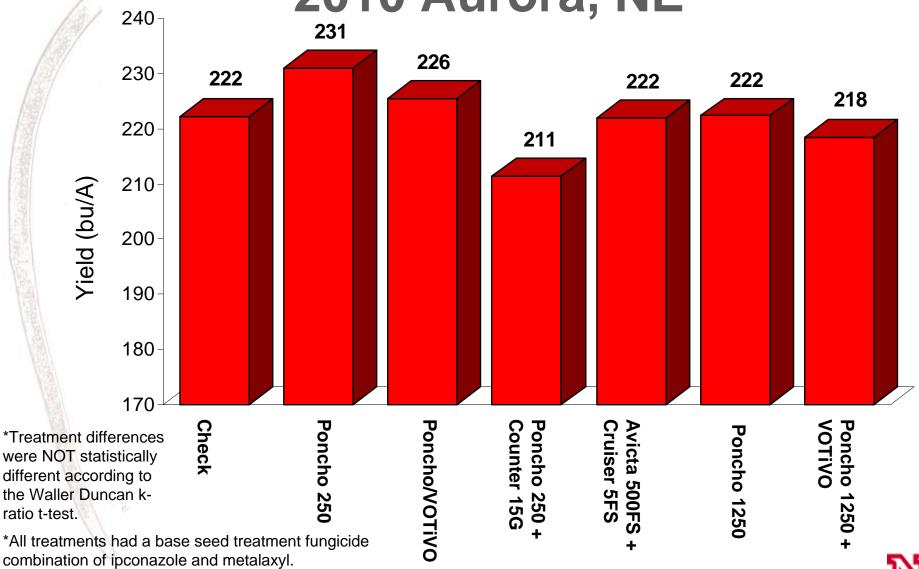
VOTiVO Nematicide Trial Results 2009 West Point, NE



*All treatments had a base seed treatment fungicide combination of ipconazole and metalaxyl.

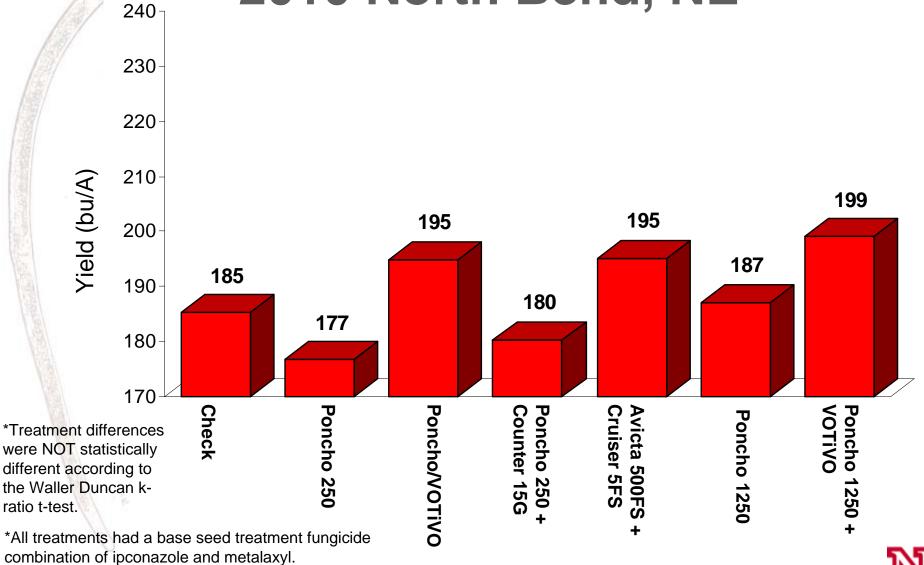


VOTiVO Nematicide Trial Results 2010 Aurora, NE



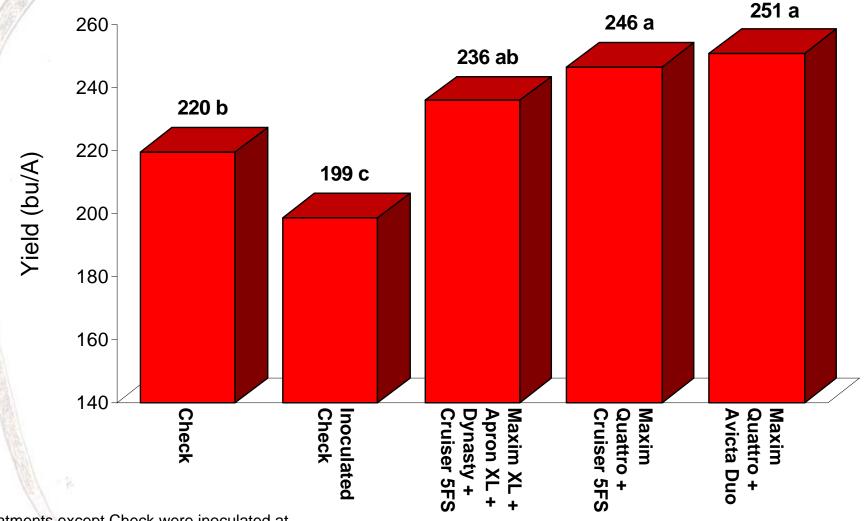


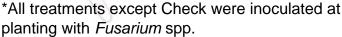
VOTiVO Nematicide Trial Results 2010 North Bend, NE





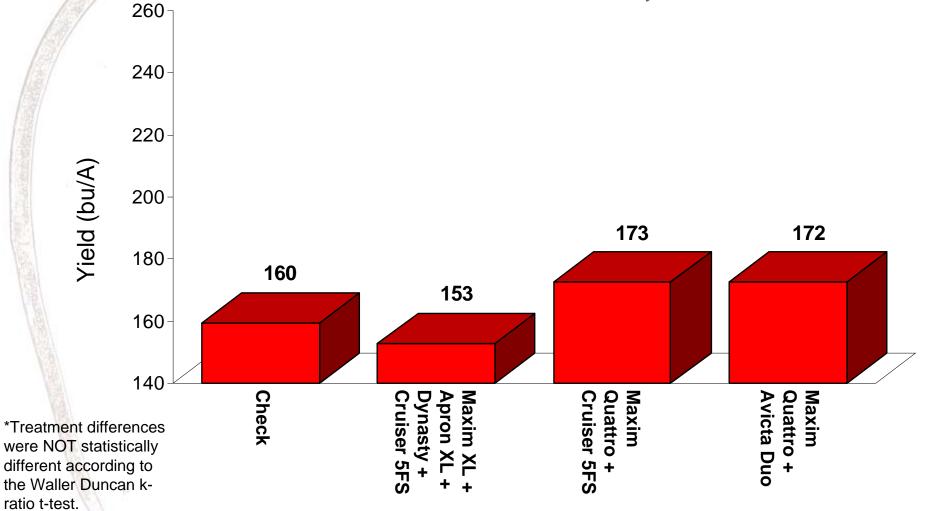
Avicta Nematicide Trial Results 2010 South Central Ag Lab







Avicta Nematicide Trial Results 2010 North Bend, NE





Conclusions and Interpretation

- Testing conditions
 - Fields pre-selected with documented nematode pressure
 - Small plots (30' long x 10' wide) replicated 6 times
- Differences were often not obvious or measurable early in season
- Variability in nematode data and/or growing conditions may mask treatment differences
 - High statistical variability (high CVs) due to random aggregation of nematode populations
 - Mixed populations
 - Nematode genera infect and cause damage in different ways
- Interaction of other stresses
 - Weather conditions
 - Nutrient imbalances





Acknowledgements

- Jae Behn, Technologist
- Casey Schleicher, Technologist
- Kim Miller, Technician
- Corn Pathology Lab Staff
- UNL South Central Ag Lab Staff



