



GO AHEAD.
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Callery Pear - *Pyrus calleryana*

Jason Belcher, Eastern Stewardship Manager

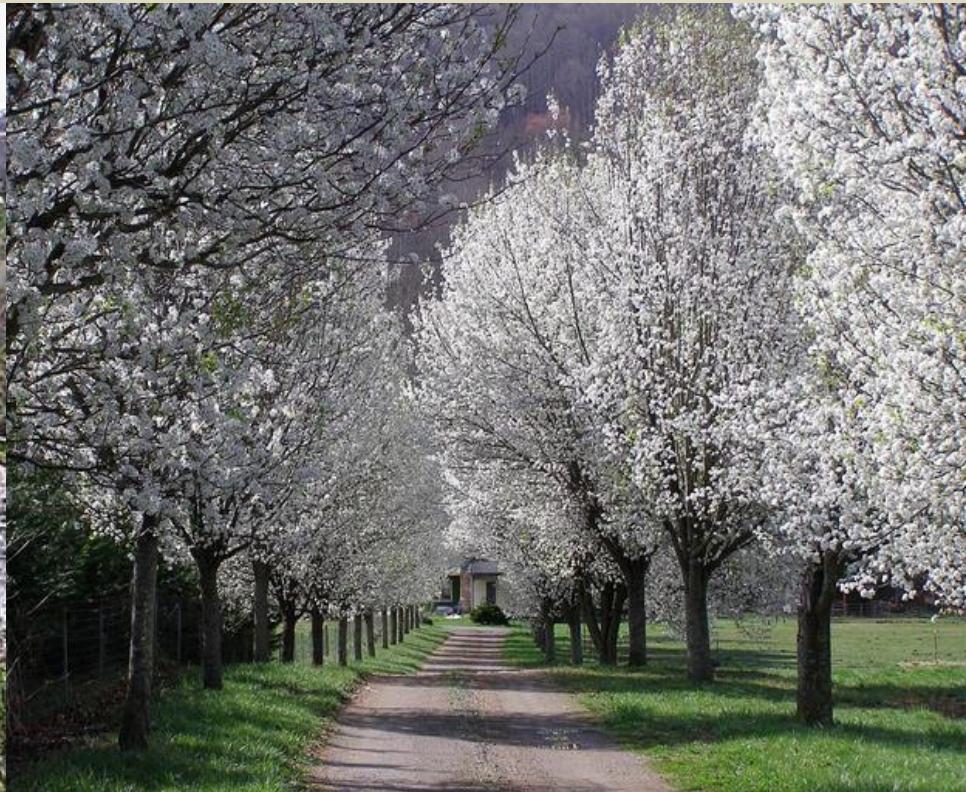
History

- Brought to U.S. in early 1900s from Asia (China, Japan, Korea).
- Early introductions to improve disease resistance in fruiting pear.
- ‘Bradford’ cultivar widely planted in 1950s
 - Disease resistant
 - Drought tolerant
 - Grows well in wide range of soil
 - Attractive flowers and fall foliage
 - **No self-pollination**





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Problems



As a result, new cultivars tested and released. Cross-pollination results.





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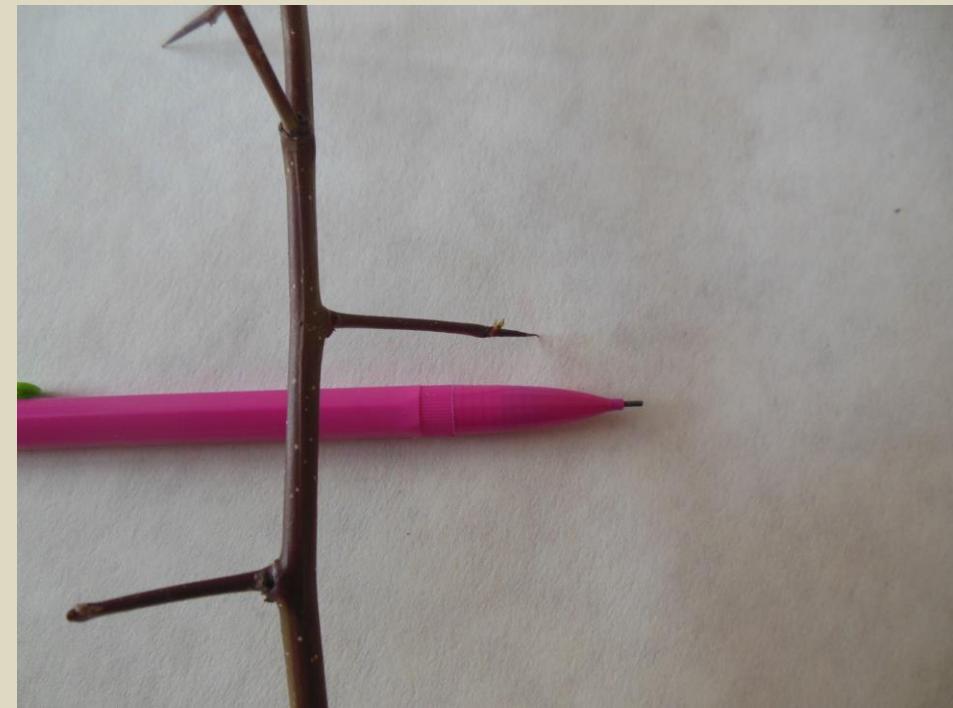
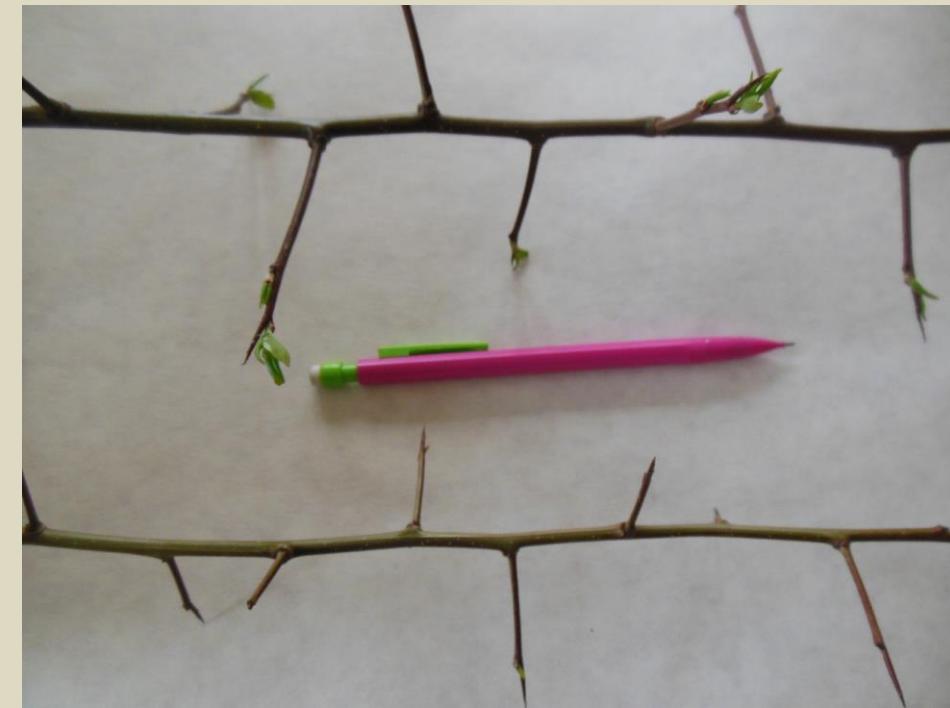
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Mowing is not a good idea





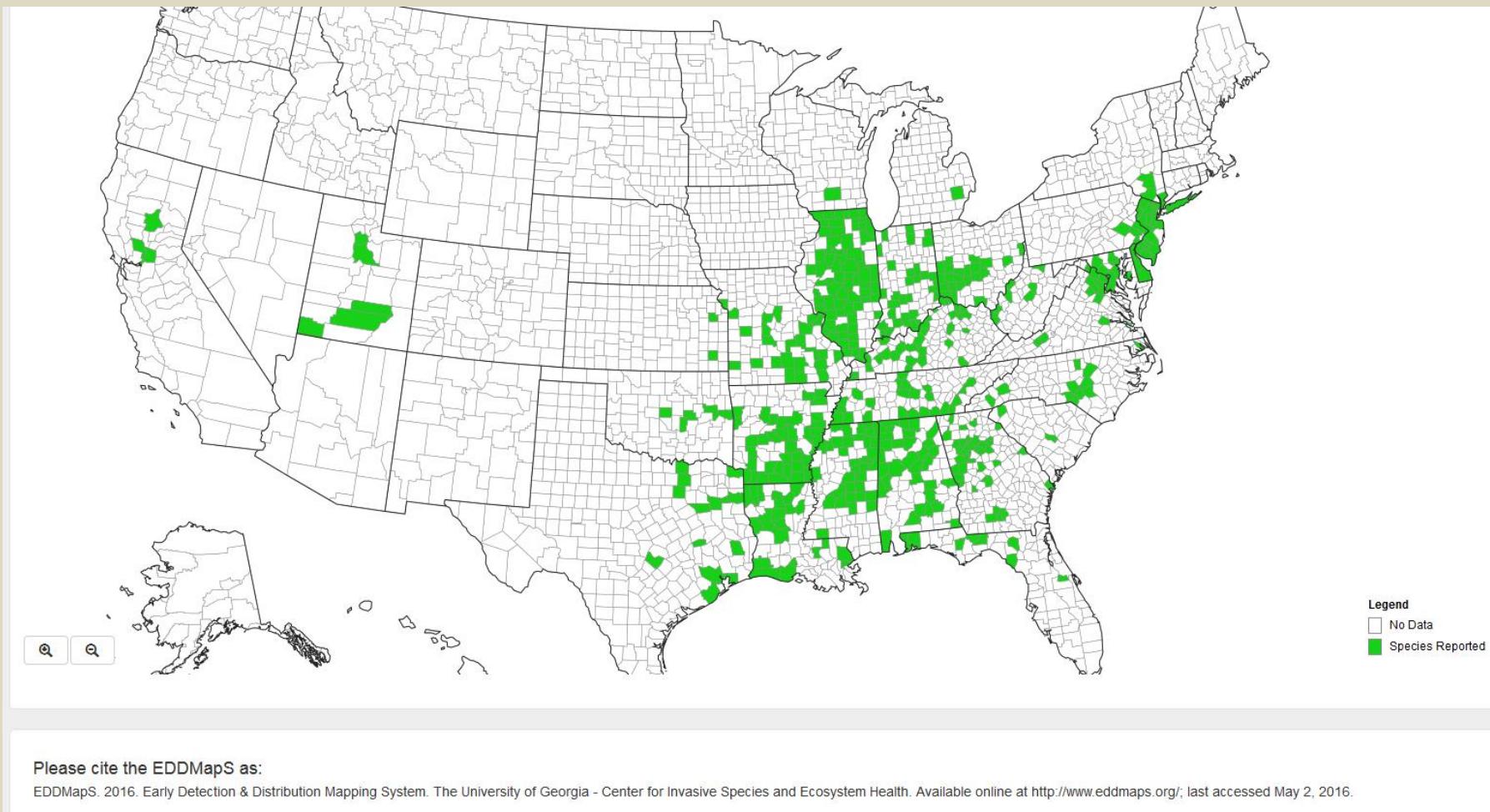
Callery pear (Bradford pear)

Pyrus calleryana Decne.

USDA PLANTS Symbol: PYCA80

Invasive Plant Atlas

Species Information



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Control Options:

Callery pear not listed on labels of many herbicides typically used for brush control

Typically see triclopyr and glyphosate recommended for cut stump treatment





Method +
Imazapyr + Escort



Method + Escort

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- Aminocyclopyrachlor (ACP) – 2 lb ai/gal
- Rates 4-18 fl oz/A; do not exceed 18 fl oz/A/year
- Brush/Bareground – 12-18 fl oz/A
- Selective weeding – 4-12 fl oz/A



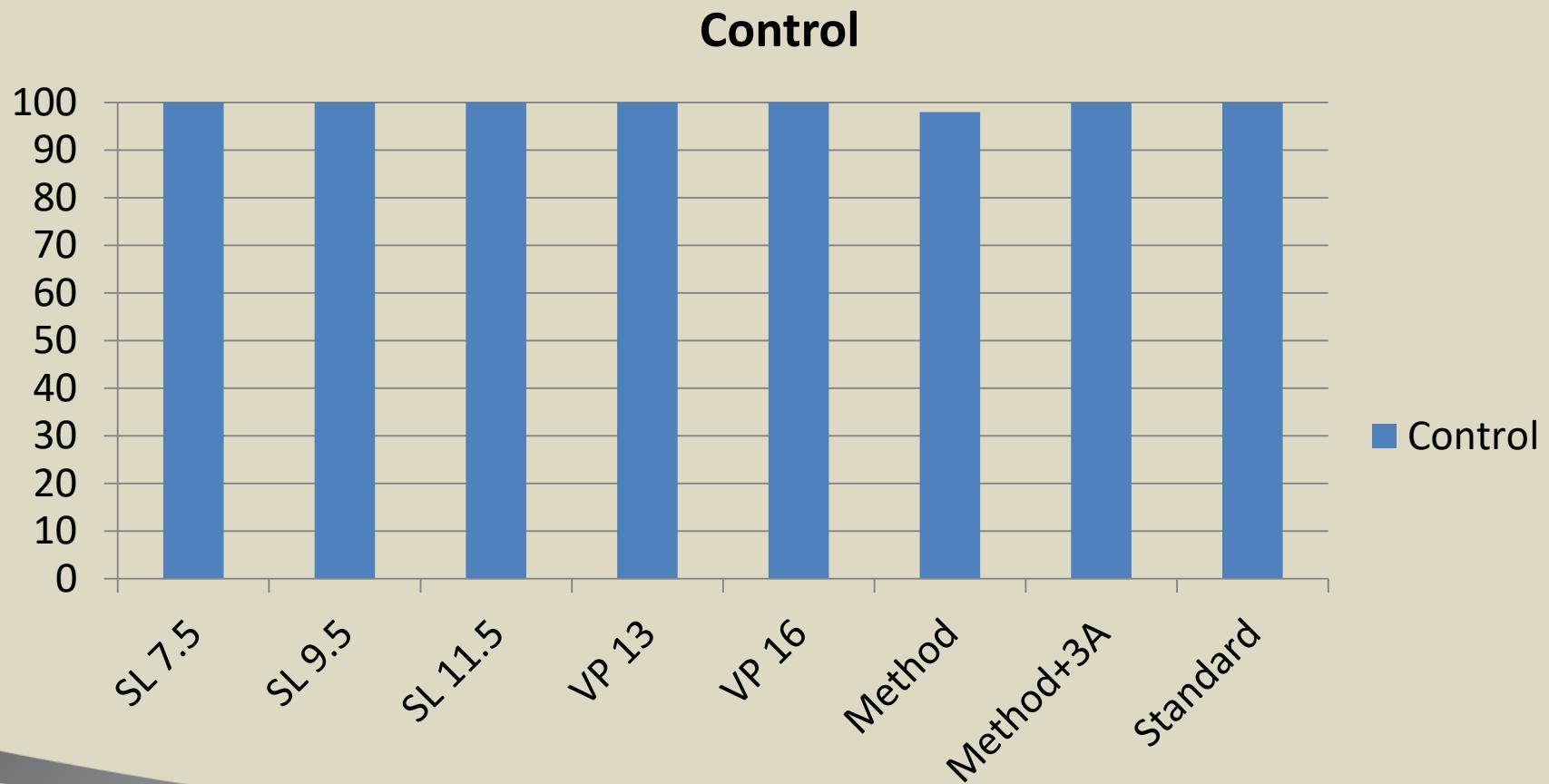
2015 Research Trial

Montgomery, AL

- Done as an IPT backpack spray with 9 stems treated
- Treatments:
 - Streamline at 7.5, 9.5, and 11.5 oz/A
 - Viewpoint at 13, 16, and 20 oz/A
 - Method at 0.5% v/v
 - Method at 0.25% + Garlon 3A at 0.5% v/v
 - Standard
 - Accord XRTII at 4% v/v
 - Arsenal at 0.5% v/v
 - Milestone at 0.33% v/v
 - All treatments contained 1.0% v/v MSO
 - Control evaluated 7/25/2015



Control 1 YAT





Nontreated



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Streamline at 7.5 oz/A



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Viewpoint at 13 oz/A



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Garlon 3A 0.5% v/v + Method at 0.25% v/v



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Method at 0.5%v/v



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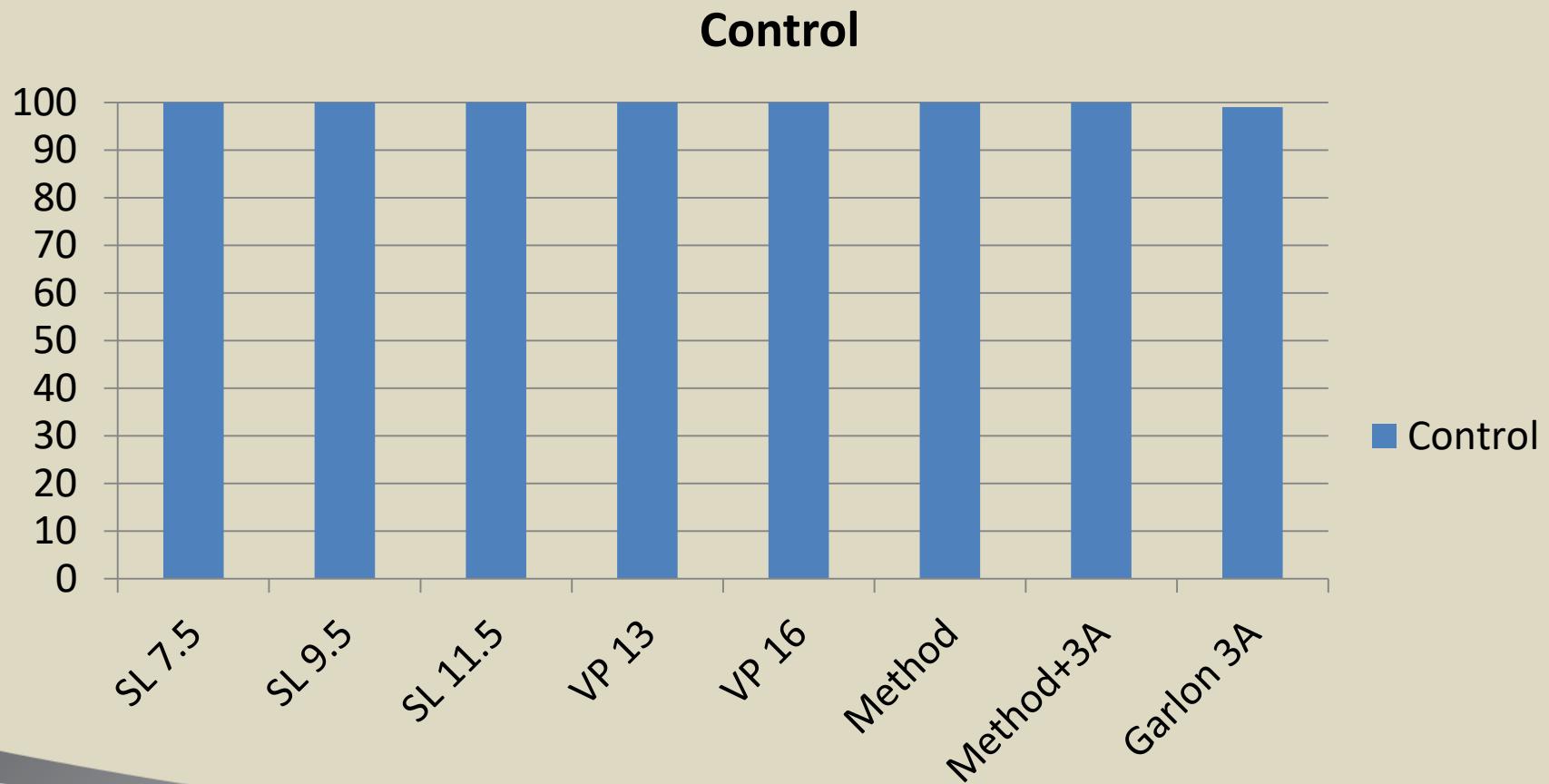
#1) 2015 Research Trial – TN

Dr. Neil Rhodes

- Study design and treatments similar to AL study
- Included Garlon 3A alone at 0.5% v/v as standard



Control 1 YAT



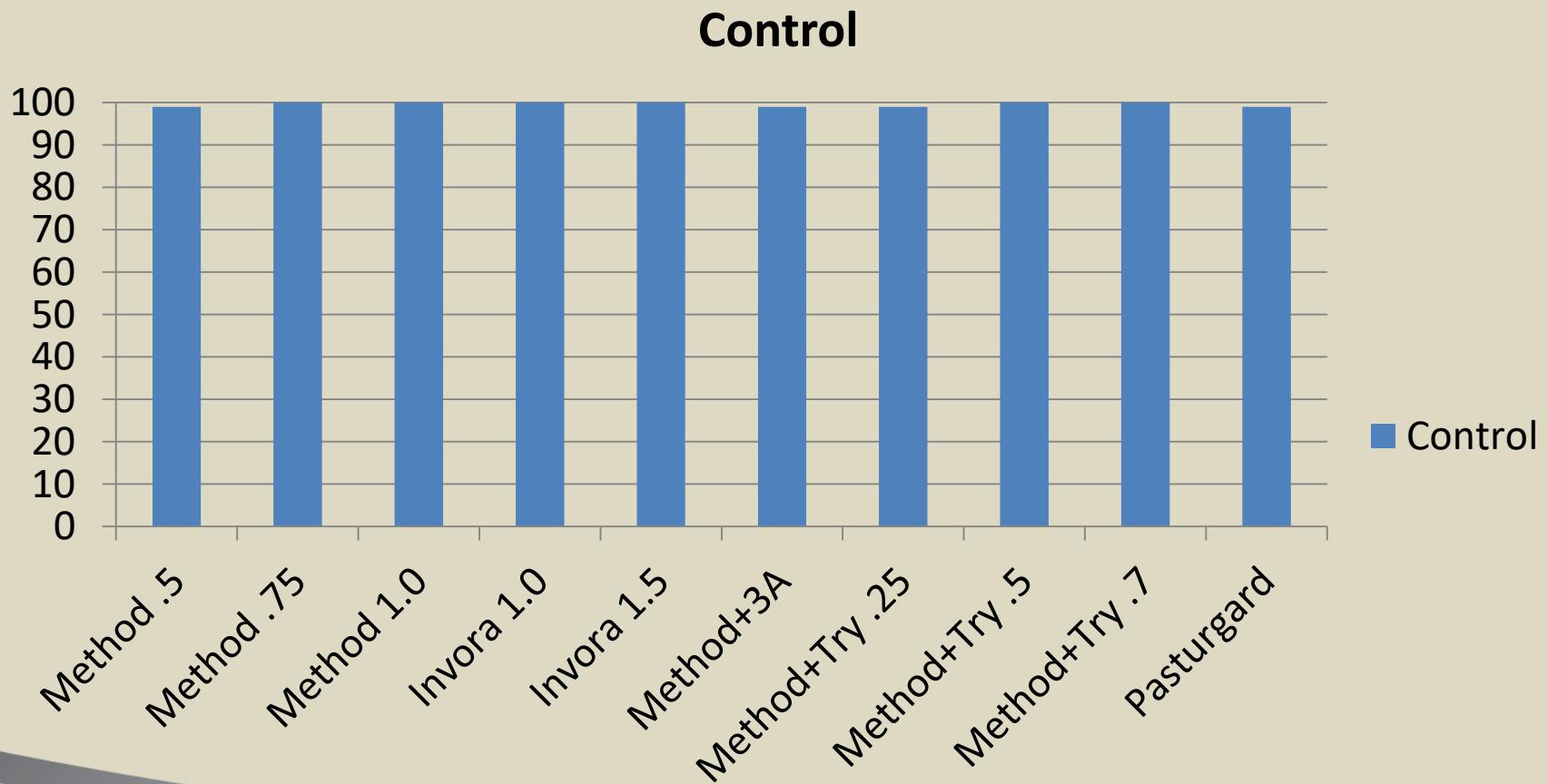
#2) 2015 Research Trial – TN

Dr. Neil Rhodes

- Done as an IPT application
- Treatments:
 - Method at 0.5, 0.75, and 1% v/v
 - Invora (triclopyr +Method) at 1.0 and 1.5% v/v
 - Method 0.5% + Garlon 3A at 0.67% v/v
 - Method 0.5% + Trycera 0.25% v/v
 - Method 0.5% + Trycera 0.5% v/v
 - Method 0.5% + Trycera 0.7%
 - Pasturegard HL (triclopyr+fluroxypyr) at 0.5% v/v
- MSO included with all treatments at 1.0% v/v



Control 1YAT



Recommendations:

- Products tested have excellent activity on pear so far; further evaluation needed – 1 and 2 YAT
- Further test products/rates in 2016

Do not plant more pears!!!

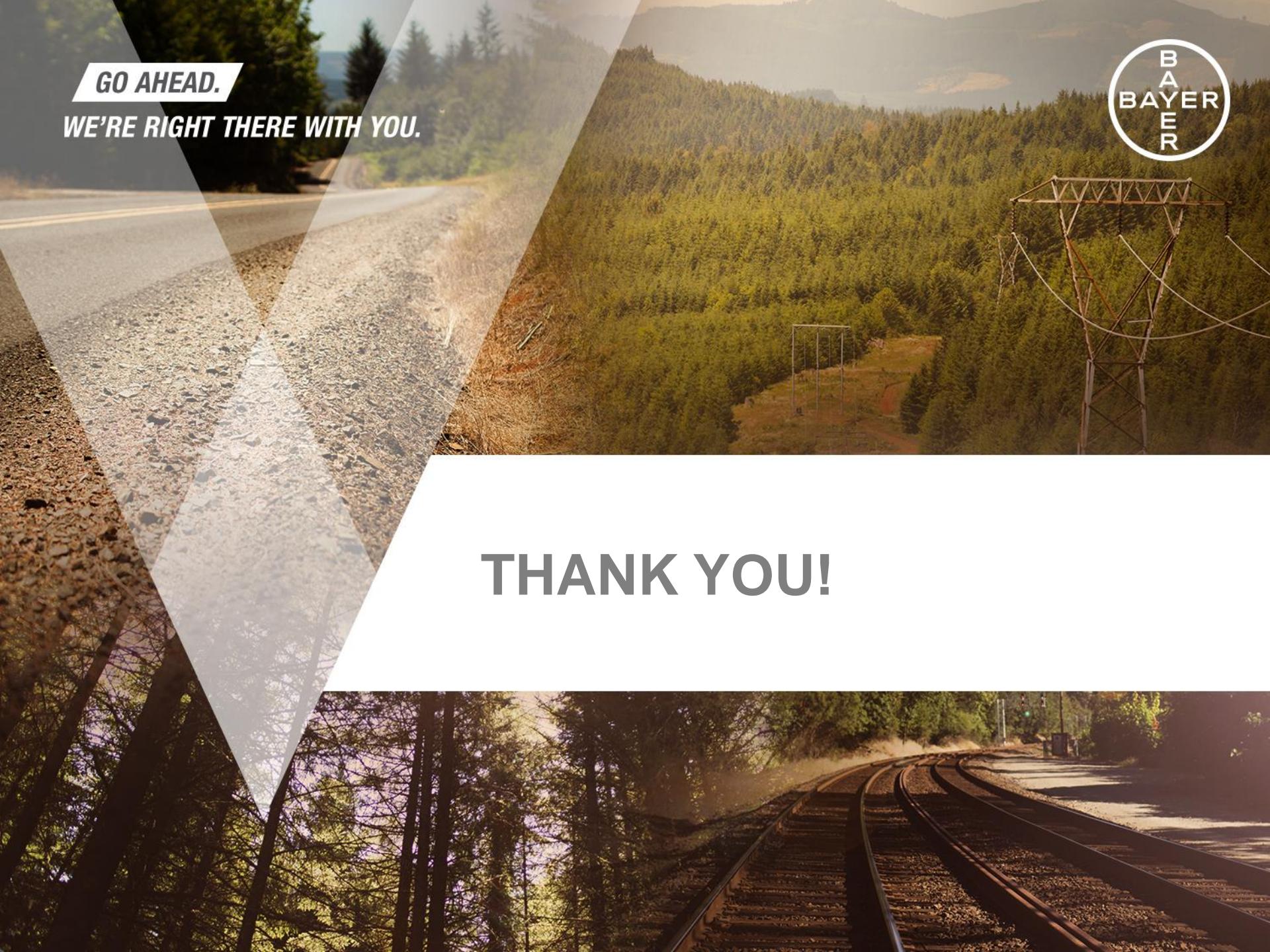




Coverage is important!



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GO AHEAD.
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THANK YOU!