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
Problems

As a result, new cultivars tested and released. Cross-pollination results.
Mowing is not a good idea
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
• 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 4/25/2015 (approximately 9 MAT)
Control 9 MAT

Control

SL 7.5, SL 9.5, SL 11.5, VP 13, VP 16, Method, Method+3A, Standard

Control
Nontreated
Streamline at 7.5 oz/A
Viewpoint at 13 oz/A
Garlon 3A 0.5% v/v + Method at 0.25% v/v
Method at 0.5%v/v
#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 9 MAT

Control

SL 7.5  SL 9.5  SL 11.5  VP 13  VP 16  Method  Method+3A  Garlon 3A
#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 7 MAT

Control

Method .5  Method .75  Method 1.0  Invora 1.0  Invora 1.5  Method+3A  Method+Try .25  Method+Try .5  Method+Try .7  Pasturgard

Science For A Better Life
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!
THANK YOU!