

Dr. Robert Hansen

Extension Educator - Forest Resources/Maple Products





Need Sugar Maple

• Trees > 10" DBH

• Objectives: Timber vs. Sugar



How Many?

- Each Tap (5/16) = 1/3 gallon of syrup
 - More taps per tree doesn't necessarily mean more syrup per tree over long-term
- Rule of 86 Sap = 86/%
- Plan layout of collection system before tapping



- 5/16" (health) tap
- Minimum size: 10 inches diameter breast height (dbh)
- New research indicates one tap per tree may be sufficient



- Tap hole depth: 1 to 1 1/2"
- Avoid tapping in previously tapped area
 - -2-4" on either side or 12" up and down











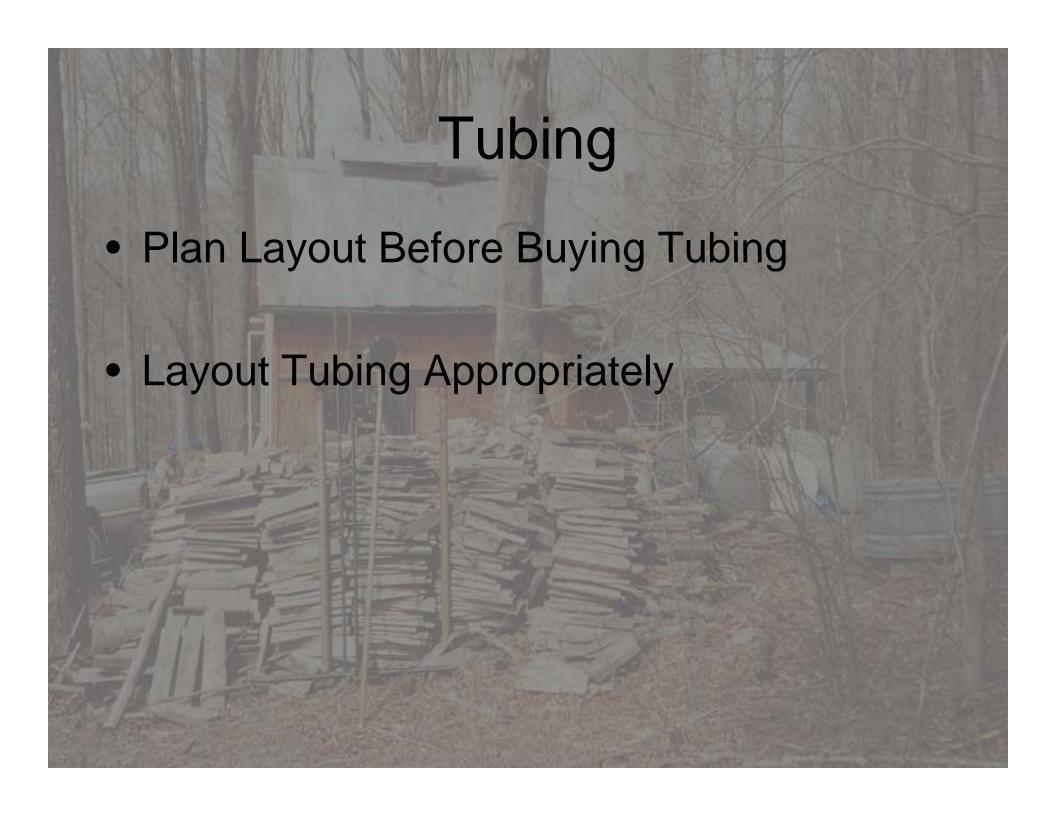
Buckets

Bags

Tubing (minimum 1% slope)









Less complicated

Fewer Options

Less efficient sap flow



Aerial System

- More efficient
- Better Sap Flow
- More Work in Layout





Tubing Layout

- Mainline Straight and Downward Angle
 - Layout Mainline First
 - Mainline Across Slope Will Work Well
- 5/16" Rgt. Angles to Mainline and Down
 - Maximum10 Taps per lateral
 - Laterals Work Better Down Slope

Sap Collection



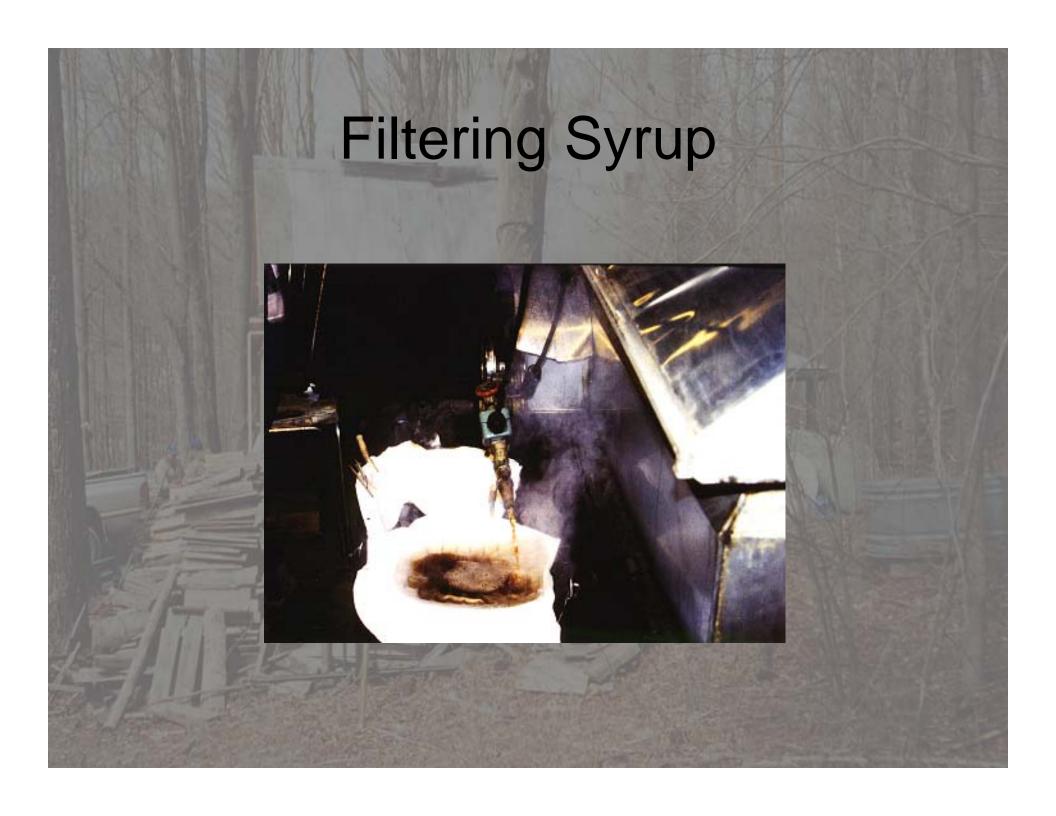


Sugar House



















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