

Active Area Of A Cross Section Of A Tree At Different Ages

Age of Tree	10 Years	50 years	100 years
Diameter Inches DBH	5	25	50
Total Basal Area Square Inches	19.63	490.87	1963.5
Inactive Basal Area Square Inches	4.91	397.61	1772.10
Active Basal Area Square Inches	14.72	93.26	191.4

Calculation based on the following assumptions:

- Tree growth rate is 2 years per diameter inch
- Xylem remains active for 5 years