

Council of Tree and Landscape Appraisers Trunk Formula Method

Estimate of Value = Unit Tree Cost x cross section area of appraised tree x species factor x condition factor x location factor

Unit Tree cost = Cost (installed) of largest commonly available transplantable size of same or similar species divided by its cross sectional area

Installed Cost = Wholesale Cost of Replacement Tree plus the cost of equipment plus the cost of labour plus the cost of overhead and profit and includes delivery and a 2 year guarantee (excludes taxes)

Tree Location / Case Number _____

Appraisers name and qualifications _____

<p>List Tree Species and size (diameter / caliper inches or mm.)</p> <p>Appraised Tree = _____</p> <p>Replacement Tree = _____</p> <p>(Replacement Tree refers to size of number 1)</p> <p>1. Wholesale Cost of largest commonly available transplantable size of same or similar species (FOB Nursery)</p> <p>Must be available from at least 2 local nurseries</p> <p>Choose a median nursery</p>	=	\$
2. Installation Cost – includes delivery and guarantee	=	\$
3. Installed Cost – add 1 and 2 together	=	\$
4. Cross sectional area of replacement tree	=	
List in square centimetres or square inches		
5. Unit Tree Cost = number 3 divided by number 4	=	\$
6. Trunk Area (TA) or (ATA) of appraised tree	=	
List in square centimetres or square inches		
7. Replacement Cost = number 5 multiplied by number 6	=	\$

Please note that Location Factor calculation is the average of the 3 subfactors Site, Contribution and Placement. Please refer to the workbook that accompanies the Guide for Plant Appraisal 9th edition.

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<p>8. Determine Depreciation Factors (Species x Condition x Location)</p> <p>_____ % x _____ % x _____ % = _____ %</p>	<p>=</p>	<p>_____ %</p>
<p>9. Estimate of Value = number 7 multiplied by number 8</p>	<p>=</p>	<p>_____ \$</p>
<p>10. Round to nearest \$100 if over \$5,000 Round to nearest \$10 if under \$5,000</p>	<p>=</p>	<p>_____ \$</p>

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