

Benefit of Trees on Stormwater

Tree species	Trunk diameter	Annual interception of stormwater	Annual monetary benefits
Colorado Blue Spruce	12"-17"	1,150-1,800 gallons	\$81.00-\$171.00
Douglas Fir	12"-17"	1,067-2,015 gallons	\$79.00-\$128.00
Norway Spruce	12"-17"	1,067-2,015 gallons	\$79.00-\$128.00
Scotch Pine	12"-17"	1,067-2015 gallons	\$79.00-\$128.00
White Pine	12"-17"	1,067-2,015 gallons	\$79.00-\$128.00
Mountain Ash	6"-11"	134-399 gallons	\$20.00-\$54.00
Eastern Redbud	12"-17"	466-836 gallons	\$62.00-\$100.00
White Flowering Dogwood	12"-17"	466-836 gallons	\$62.00-\$100.00
Witchhazel	6"-11"	134-399 gallons	\$20.00-\$54.00
Black Walnut	12"-17"	1,037-1,841 gallons	\$113.00-\$171.00
Northern Red Oak	12"-17"	861-1,475 gallons	\$84.00-\$121.00
Sugar Maple	12"-17"	957-1734 gallons	\$103.00-\$161.00
White Oak	12"-17"	1,037-1,841gallons	\$113.00-\$174.00
American Hazelnut	6"-11"	134-399 gallons	\$20.00-\$54.00
Northern Pecan	6"-11"	134-399 gallons	\$20.00-\$54.00
Shellbark Hickory	12"-17"	1,037-1,841 gallons	\$113.00-\$171.00
Black Gum-Tupelo	12"-17"	998-1,766 gallons	\$110.00-\$161.00
River Birch	12"-17"	998-1,766 gallons	\$110.00-\$161.00
Tulip Tree	12"-17"	1,037-1,841 gallons	\$113.00-\$171.00
American Plum	6"-11"	134-399 gallons	\$20.00-\$54.00
Elderberry	6"-11"	134-399 gallons	\$20.00-\$54.00
Persimmon	6"-11"	134-399 gallons	\$20.00-\$54.00
Spicebush	6"-11"	134-139 gallons	\$20.00-\$54.00
Paw-Paw	6"-11"	134-139 gallons	\$20.00-\$54.00

Resource: <http://www.treebenefits.com/calculator/>

Produced by [Summit Soil and Water Conservation District](#)

Edited by [Tinker's Creek Watershed Partners](#)

