

# THE PURDUE LANDSCAPE REPORT

## Time to Celebrate Trees!

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J. Sterling Morton had a strong enthusiasm for trees and advocated intensely for individuals and civic groups to plant them. Once he became secretary of the Nebraska Territory, he further spread his message of the value of trees and Morton first proposed a tree planting holiday to be called “Arbor Day” at a meeting of the State Board of Agriculture.

The celebration date was set for April 10, 1872. Prizes were offered to counties and individuals for the largest number of properly planted trees on that day. It was estimated that more than 1 million trees were planted in Nebraska on the first Arbor Day.

Many other states also passed legislation to observe Arbor Day each year. By 1920, more than 45 states and territories were celebrating Arbor Day. The tree planting tradition became prominent in schools across the nation in 1882, with students were learning about the importance of trees as well as receiving a tree to plant in their own yard. They continue to do so today in many states.



*"Trees are the lungs of our land, purifying the air and giving fresh strength to our people." Franklin D. Roosevelt*

Trees make a difference in our lives, every day.



Celebrate arbor day by planting a tree!

Currently, Arbor Day is celebrated in all 50 states. The most common date for the state observance is the last Friday in April — National Arbor Day — but a number of state Arbor Days are at other times to coincide with the best tree planting weather, from January and February in the south to May in the far north.

[Find out when people in your state gather together to plant and celebrate trees.](#)

So, just why do we celebrate trees? They are essential to our health and quality of life. Trees provide many benefits, called ecosystem services, that impact nearly every aspect of our daily life. Trees improve air and water quality, reduce heating and cooling costs, improve health outcomes, increase business, and so much more. Simply stated, we need trees.

How do we determine the value of those benefits trees provide where we live? Research and technology have made it much easier to quantify those ecosystem services. The value of your tree and the ecosystem services it provides can be found by visiting this [web page](#). It's fun and easy to find out just what your tree contributes to the urban forest.



Trees provide ecosystem services including shade.



MyTree Benefits	
Adapted From: 100 Impact: Urban Culture Institute Report	
Species: 12 ft x 12 in - Diameter	
Estimated Cost: \$10.00	
Total Benefits for 100 years: \$10.00	
<b>Carbon Dioxide (CO<sub>2</sub>) Sequestered</b> \$6.00	
Annual CO <sub>2</sub> equivalent of carbon	12.7 lbs
<b>Storm Water Runoff Avoided</b> \$5.00	
Annual Runoff	100 gal
Runoff Intercepted	2,075.40 gal
<b>Air Pollution Reduced Each Year</b> \$6.00	
Carbon Monoxide	1.36 lbs
Ozone	40.7 lbs
Nitrogen Dioxide	7.07 lbs
Sulfur Dioxide	2.07 lbs
PM <sub>10</sub>	2.07 lbs
<b>Energy Usage Per Year</b> \$10.00	
Electricity Savings (kWh)	98.00 kWh
Fuel Savings (natural gas) (BTU)	1,300,000 BTU
<b>Avoided Energy Expenditure</b> \$10.00	
Carbon Dioxide	192.00 lbs
Carbon Monoxide	1.36 lbs
Nitrogen Dioxide	2.07 lbs
Sulfur Dioxide	50.40 lbs
PM <sub>10</sub>	50.40 lbs
<b>CO<sub>2</sub> Saved To Date</b> \$10.00	
Lifetime CO <sub>2</sub> equivalent of carbon	12,700 lbs

Find out what your tree is worth in benefits.

Join us in paying tribute to our trees which make up our urban forests by selecting and planting a tree where you live or taking part in a community tree planting. Learn how to choose and plant a tree properly to help improve the longevity and hopefully it will be providing those benefits in the future for your grandchildren and beyond. Trees can be a living legacy to great environmental stewardship. Plant trees not just for the future, but with a future.

Some additional resources are available below:

- [Choosing a tree video](#)
- [Tree selection list](#)
- [How to plant a tree video](#)
- [Tree planting process](#)

For the best advice on tree planting and care, seek out a tree care professional with the experience and expertise to care for your trees. [Search for a tree care provider in your area](#). Also, consider hiring an [ISA Certified Arborist](#) which can be found [here](#).

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