

Arbor Day Celebration 2018

Thank you for helping us plant a tree today in celebration of National Arbor Day! We hope you learned lots of great facts about trees and why they are important in our community and our environment. Check out the back of this flyer for just how special trees are. The tree you helped plant today at your school will provide countless benefits to your school & the environment for many years to come!

Be sure to watch your tree grow over the years – just like you! You should be proud of the work you did today to make your school a more beautiful place for future generations. Maybe someday your children will be climbing that tree at recess!

If you would like to learn more about trees, check out the Arbor Day website at www.arborday.org. This site has lots of cool online activities & games for the whole family.

Happy Arbor Day!



Spring Grove Nursery, Inc. *"Grundy County's Best Source for Trees"*
1255 W. Spring Rd., Mazon (815)448-5518
www.SpringGroveNursery.com

Cool Facts about Trees...

Arbor Day was founded by J. Sterling Morton in 1872 and is celebrated every spring around the world!

The Tree you planted today will provide these benefits to your school each year:

<u>Year 1</u>	<u>\$12 Annual Benefits</u> Eliminate 74 gallons of storm water runoff Conserve 20 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 54 pounds
<u>Year 5</u>	<u>\$68 Annual Benefits</u> Eliminate 517 gallons of storm water runoff Conserve 94 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 294 pounds
<u>Year 10</u>	<u>\$149 Annual Benefits</u> Eliminate 1,278 gallons of storm water runoff Conserve 208 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 725 pounds
<u>Year 20</u>	<u>\$241 Annual Benefits</u> Eliminate 2,867 gallons of storm water runoff Conserve 284 kilowatt/hours energy from cooling effects of shade Reduce Carbon in the atmosphere by 1090 pounds

That's over **\$18,310** in benefits to your school over the tree's lifetime, **306,029 gallons** of storm water runoff eliminated, **25,600 kilowatt/hours** of energy conserved, and **97,224 lbs** of carbon reduced in our atmosphere! That's all from just the one tree you planted today!

What an easy way to make a big difference in our environment!

Here are some other interesting facts...

"The net cooling effect of a young, healthy tree is equivalent to **ten** room-size air conditioners operating 20 hours a day."—*U.S. Department of Agriculture*

"If you plant a tree today on the west side of your home, in 5 years your energy bills should be 3% less. In 15 years the savings will be nearly 12%." —*Dr. E. Greg McPherson, Center for Urban Forest Research*

"One acre of forest absorbs six tons of carbon dioxide and puts out four tons of oxygen. This is enough to meet the annual needs of 18 people."—*U.S. Department of Agriculture*

"In laboratory research, visual exposure to settings with trees has produced significant recovery from stress within five minutes, as indicated by changes in blood pressure and muscle tension."—*Dr. Roger S. Ulrich Texas A&M University*