



COMMUNITY & URBAN FORESTRY

Winter 2010

CUF LINKS

First Aid for Trees

Pam Louks, Community & Urban Forestry Coordinator

First Aid for Trees

Given the right kind of help, your trees can survive the damage done to them by winter weather. Many times Indiana trees get hammered by ice storms and heavy snow loads. When that happens, the trees look ripped, torn, and dangerous. The impulse may be to cut them down. Before removing damaged trees, analyze their condition. The largest plant on Earth raises property value by ten to twenty per cent and offers a multitude of benefits. It makes good environmental and economic sense to save them.



Property owners may wake up after ice storms to see tree branches lying low to the ground weighted down by the heavy ice layer on their branches. While the view of ice shimmering on the trees is a visual delight, and the walk through ice tunnels provided by the low hanging branches a bit exciting, the trees, quite frankly, look like they are having a morning after hang over.

The damage can be pretty extensive. Luckily, trees have the ability to recover from what nature doles out. But, they may need some help.

Assess immediate risks

Don't do anything until the ice melts off the trees. Don't shake the ice off, let it drop off naturally, and see what the tree looks like after the ice melts.

Then, assess immediate risks. Look for broken, hanging, and dangling branches in the tree.

Homeowners can remove smaller limbs, but large, high limb removal requiring a ladder and chain saw needs to be done by a professional certified arborist.

Don't touch any tree that is near electrical lines. Trees are conductors of electricity and if the wood touches a live wire and you touch the wood, electrocution can occur.

Until the dangling limbs can be removed, keep away from the tree. A good wind can send the branches tumbling down hitting the nearest target—possibly you.

Look carefully at the tree to assess the damage

- ✂ Is its major limbs and central leader (the main upward-trending branch) intact?
- ✂ Are at least 50 percent of the tree's branches still intact?
- ✂ Are there remaining branches that can form new branch structures?
- ✂ Was the tree basically healthy before the storm?

If the answers to these questions are yes, then there is a good chance the tree can be saved.

Remove any trees that have broken or cracked stems (trunks), and many broken roots. The chances for recovery for these trees are slim.

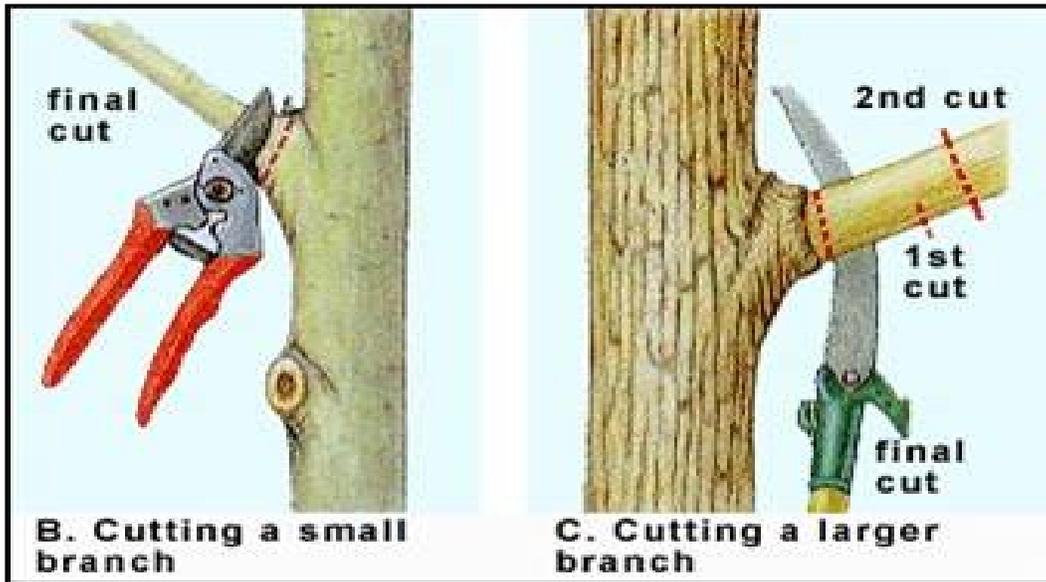
Remove the broken branches

Remove the broken branches and stubs that are still attached to the tree. This must be done correctly or the cut will leave a wound that will open the tree up to pest and disease. Smaller branches need to be pruned at the branch collar where they join the larger branch.

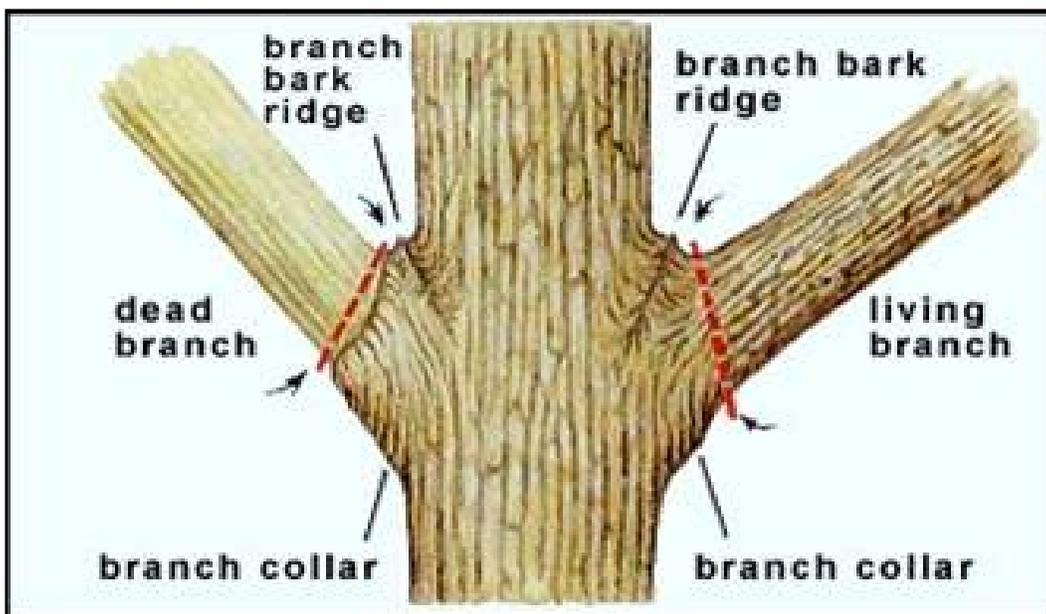


Trees Resistant Ice Storms List

Large branches should be removed by a certified arborist who has knowledge of proper pruning practices. They have the right equipment and skill to do the job safely and ensure that the cuts are made correctly being cut back to the branch collar of the limb that is being removed.



Proper pruning cuts -International Society of Arboriculture



Do not top your trees!



Beware of 'arborists' who offer to do you a favor and top your trees. They may say that it will help future damage. The fact is that many of the trees that sustain damage in ice storms are trees that had been topped and the weak branches that sprouted back snapped off the large branches they grew on to. These weak branches splinter, rip, and break off during ice storms and actually create more damage.

Topping is detrimental to the health of a tree. Since the cuts are not made at the branch collar, they leave a stub, and the tree is unable to wall off the cutting wound making it a prime target for pest and disease.

Hiring a certified arborist, who is a tree care professional with knowledge and skills in proper tree care techniques, is recommended for damaged trees. Most of them will come to the site and give an estimate and explain what needs to be done. Be sure and get three estimates. Ask to see their certification card from the International Society of Arboriculture (ISA), proof of insurance, proof of liability for personal and property damage, and proof of worker's compensation. Contact the CUF office for the list of certified arborists in your area or contact the [International Society of Arboriculture](#).

Only time will tell

There is no absolute guarantee that ice storm damaged trees will survive and recover from their morning after. But, by following these steps they have a good chance of providing many more years of shade, relaxation, cleaner air and water.

Finding a certified arborist

A certified arborist is a tree care professional who has taken courses and field work in arboriculture. The courses and field work culminate in an exam which they must pass in order to receive their certification. In order to maintain certification status, arborists must obtain education credits in the field of arboriculture annually.

The arborist certification program was established and is overseen by the International Society of Arboriculture. In Indiana, the program is administered by the Indiana Arborist Association in partnership with Purdue University.

To find an arborist in your area, go to the [International Society of Arboriculture](#) website.

Beware of 'arborists' who offer to do you a favor and top your trees.

Contact [Indiana Arborist Association](#) for more arborist information.

Some Trees Resistant to Ice Storms

Adapted from Trees and Ice Storms, University of Illinois at Urbana-Champaign and USDA Forest Service

Highly resistant

American Sweetgum
Arborvitae
Baldcypress
Black Walnut
Blue Beech
Catalpa
Eastern Hemlock
Ginkgo
Kentucky Coffee Tree
Littleleaf Linden
Silver Linden
Swamp White Oak
White Oak

Intermediate resistance

Bur Oak
Northern Red Oak
Red Maple
Sugar Maple
Sycamore
Tulip Tree (state tree)
White Ash-plant sparingly due to Emerald
Ash borer threat

Always plan before you plant. Plant the right tree in the right place.

Don't plant trees that will have a mature height of more than 25 feet under or within 35 feet of power lines!!!

For a complete species list and help in selecting the right tree for the right place, check out the

Indiana Community Tree Selection Guide
Community and Urban Forestry Publications at the:
Indiana DNR, [Division of Forestry](http://www.in.gov/dnr/forestry/) website

CUF Links is funded in part by a grant from the US Forest Service, Northeast Area.

For more information about urban forestry management or the CUF program:

IDNR, Community & Urban Forestry (CUF)
5785 Glenn Road
Indianapolis, IN 46216

Phone: 317-591-1170
E-M-urbanforestry@dnr.IN.gov

Website for Division of Forestry:
<http://www.in.gov/dnr/forestry/>



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