

# Can These Trees Be Saved?

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A storm or other disaster can leave trees looking like there's no tomorrow. Major limbs may be broken or damaged, foliage may be shredded or stripped, or the bark may be torn or gouged. But what at first glance may look like mortal wounds are not necessarily fatal to a tree. Trees have an amazing ability to recover from storm damage.

## **First, Assess the Damage**

Before writing off a damaged tree as a "goner," homeowners should evaluate their trees by asking the following questions:

- ◆ Other than the storm damage, is the tree basically healthy and vigorous? If the tree is basically healthy, is not creating a hazard, and did not suffer major structural damage, it will generally recover if given first aid immediately after the storm.
- ◆ Are major limbs broken? The larger a broken limb is, the harder it will be for the tree to recover from the damage. If most of the main branches are gone, the tree may have little chance of surviving.
- ◆ Has the leader (the main upward-trending branch on most trees) been lost? In species where a leader is important to upward growth or a desirable appearance, saving the tree may have to be a judgment call. The tree may live without its leader, but at best it would be a stunted or deformed version of the original.
- ◆ Is at least 50 percent of the tree's crown (branches and leaves) still intact? This is a good rule of thumb on tree survivability. A tree with less than half of its branches remaining may not be able to produce enough foliage to nourish the tree through another season.
- ◆ How big are the wounds where branches have been broken or bark has been damaged? The larger the wound is in relation to the size of the limb, the less likely it is to heal, leaving the tree vulnerable to diseases and insects. A 2- to 3-inch wound on a 12-inch diameter limb will seal over with new bark within a couple of years.
- ◆ Are there remaining branches that can form a new branch structure? The remaining limbs will grow more vigorously as the tree tries to replace its missing foliage. Look to see if there are branches that can eventually fill out the tree's appearance.
- ◆ Is the tree of a desirable species for its location? If the tree is in the wrong location (such as a potentially tall tree beneath a power line), or is an undesirable species for the property (messy fruit, etc.), it may be best to remove it if it has serious damage.

## Then, Make the Decision

In general, the answer as to what to do about a particular tree will fall into one of three categories:

### 1: It's a Keeper

If damage is relatively slight, you should prune any broken branches, repair torn bark or rough edges around wounds, and let the tree begin the process of wound repair.



**An easy call:** A mature shade tree can usually survive the loss of one major limb. The broken branch should be pruned back to the trunk. In the months that follow, large wounds should be closely monitored for signs of decay.



**Minor damage:** Although the tree has been damaged, enough strong limbs may remain on a basically healthy tree to make saving it possible.



**Too young to die:** Young trees can sustain quite a bit of damage and still recover quickly. If the leader is intact and the structure for future branching remains, remove the damaged limbs and allow the tree to recover.

### 2: Wait and See

If a valuable tree appears to be a borderline case, resist the temptation to simply cut the tree down and be done with it. It may be best to stand back for a while and think it over. Remember that time is on your side. After careful pruning of broken branches, give the tree some time to recover. A final decision can be made later.



**Easy does it:** Resist the temptation to prune too heavily. Remember that the tree will need all the foliage it can produce in order to make it through the next growing season. Remove only the damaged limbs, then wait and see what happens.



**Hold off:** A healthy, mature tree can recover even when several major limbs are damaged. With large trees, a professional arborist should be brought in to assess damage and safely do any necessary pruning and branch removal.

### 3: Say Goodbye

Some trees simply can't be saved or are not worth saving. If the tree has already been weakened by disease, if the trunk is split, or if more than 50 percent of the crown is gone, the tree has lost its survival edge.



**Tree tragedy:** This otherwise healthy young tree has lost too much of its crown—the leafy head that is vital for survival. It will probably not be able to grow enough new branches and leaves to provide needed nourishment, and will never be able to regain its former beautiful shape.



**Hopeless case:** About all that's left of this tree is its trunk. The few remaining branches can't provide enough foliage to enable the tree to make it through another growing season.



**Farewell to a friend:** A rotten inner core in the trunk or structural weakness in branching patterns can cause a split trunk—the tree equivalent of a heart attack. The wounds are too large to ever mend, and the tree has lost its sap lifeline between roots and leaves. This tree is all but dead.

### Don't Try to Do It All Alone

Some of your trees may have damage that's too close to call, or they may have hidden damage. If that is the case, you'll need a tree professional to help you decide what to do. Don't hire just anyone who shows up at your door after a storm. Look for qualified arborists in the phone book or contact your state or city forester.

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