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## Possible Landscape Plant Injury

Once we see how much plant tissue actually dies, we can go in and remove dead twigs and branches. Give the plant a chance to recover and re-sprout. Appropriate pruning includes removal of multiple shoots allowing the strongest to grow. This is especially important for trees with opposite branching (e.g. maples, ash, dogwood, buckeye) where the development of co-dominant leaders often leads to failures in a decade or two.

Nobody knows for sure what the extent of the home landscape plant cold injury is since the very cold conditions over the past week. Each site is very different from others and can vary significantly within the distance of just a few feet. Many of us have seen plants next to a house and under the eaves that appear undamaged while the same species and cultivar 10 feet away appear to have extensive cold injury. If temperatures at your site dropped to 25 degrees Fahrenheit, at least 90% of the apple, peach, plum, nectarine, blueberry, and grapes are probably lost. Grapes will send secondary buds. If all grape secondary buds have survived, then you may have about 50% grape crop. Of course, all injury is dependent upon the temperatures at specific locations.

The best advice is to "wait and see" at this point in time. Plants have adapted to adversity with multiple secondary methods for remaining alive. A plant's goal in life is to reproduce as much as it can before it dies, period. When a terminal shoot is killed there will always be secondary and tertiary buds that will begin to grow. The first of these are the axillary buds on the previous season's growth. The next group are latent buds (trace buds) hidden below the bark.



**A frozen plant.** (Courtesy of Iowa State Extension)

DO NOT fertilize trees and shrubs. Adding nitrogen causes stored carbohydrates (starches) to be changed to mobile carbohydrates (sugars). This results in shoot growth. We would like for the plant to begin growing slowly and to replace damaged tissues before it begins putting out growth that the plant cannot support during the hot, dry weeks of July and August. November and December fertilization is best for most woody plants.

Many may question what they can do. There are a few things you can be aware of during the growing season. (1) Many of the plants in the landscape have been stressed by freezing temperatures after putting out new growth. It is very important to monitor (inspect) plants for insects and diseases. For example, the borer that often attacks our native flowering dogwood is able to zero in on stressed trees. Once infested, it is difficult or impossible to control these damaging insects. It is important to get protective insecticide sprays on the trunks at the end of May. This is true for many other species. (2) Water this summer if and when it gets dry. (3) If fertilization is a must, delay it until fall. Use 1 to 2 pounds of actual

nitrogen per 1,000 square feet. Nitrogen should be in a slow release or water insoluble form. (4) Be a realist. Some plants were inappropriate for the site or have been damaged to such an extent that this is a good excuse to remove and replace them with something more appropriate.

You may also ask if the damage will appear later. The cambium was very active on many woody trees and shrubs at the time of this frost/freeze. Cambium is the slick layer you feel under the bark. It divides to form new xylem (forms the wood) to the inside and phloem to the outside. This happens before shoot growth begins in spring. We may see vertical cracks in trunks in late May or early June. Unfortunately there is nothing that we could have done or can do at this point to prevent damage. Some of these trees will die as the weather becomes hot and dry. Wrapping the trunk, using duct tape, painting the wound, and nailing or using glue to keep the bark from peeling off any more is not going to help. Some of these trees are going to die, others will be disfigured.

Kentucky has a continental climate. Late frosts and freezes in spring and early frosts and freezes in fall are the norm rather

than the exception. Most of the cold injury we see occurs in fall and spring rather than during the coldest parts of winter. Japanese maples, saucer magnolia and other plants that originated in more moderate, more humid climates just are not reliable in Kentucky. "Wait and see" is the best advice to determine the extent of cold injury to the landscape. Time will tell. For more information, contact the Estill County Extension Office at 723-4557 or visit my webpage at <http://estill.ca.uky.edu/content/ag-natural-resources>.

*In this time of social distancing and more time at home, UK Cooperative Extension will offer a weekly online newsletter called "Healthy at Home" that has timely tips for the whole family. Some topics covered are managing stress, boredom busters, and online shopping tips. We invite you to view each edition at the following internet address <https://extension.ca.uky.edu/healthy-home-newsletter>. For a hard copy, contact us and we will mail you one.*

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## Wishing Well®

2 8 4 6 5 4 7 5 3 2 7 8 2  
M L G A O I S L N O O E D  
7 2 8 2 8 6 7 4 6 7 6 8 5  
C E A R D C I V H A A T D  
7 2 4 2 7 4 2 5 4 8 6 2 5  
L A E T A G E L O H N S O  
4 3 6 2 3 4 7 4 3 6 5 6 2  
O O G P S D C A T E V O E  
4 6 7 3 7 5 4 2 4 6 4 5 3  
D F C R L E V N I H C R U  
6 2 4 2 8 7 3 5 3 6 5 6 7  
O D E I E A G E G M T E I  
5 7 8 2 5 8 2 5 3 8 3 5 3  
U M W N R A G N L Y E S S

HERE IS A PLEASANT LITTLE GAME that will give you a message every day. It's a numerical puzzle designed to spell out your fortune. Count the letters in your first name. If the number of letters is 6 or more, subtract 4. If the number is less than 6, add 3. The result is your key number. Start at the upper left-hand corner and check one of your key numbers, left to right. Then read the message the letters under the checked figures give you.

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## CryptoQuip

This is a simple substitution cipher in which each letter used stands for another. If you think that X equals O, it will equal O throughout the puzzle. Solution is accomplished by trial and error.

Clue: H equals D

R CKILF COULI AJWI BWIU R QKE

EKI ARL IUXH IU XJRPJ.

IOJF HBHW'I LJZPJ LQBZBIL IOJZZ.

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## CryptoQuote

**AXYDLBAAXR**  
is **LONGFELLOW**

One letter stands for another. In this sample, A is used for the three L's, X for the two O's, etc. Single letters, apostrophes, the length and formation of the words are all hints. Each week the code letters are different.

RPN QDWR HM NGP LHBAC'K

EBPDN QHJPPWPNK, HM

NGHTEGN DWC DYNXHW, GDJP

MAHLPC MBHQ NGP LHBO HM

D KXWEAP QDW.

— BHFPBN M. OPWWPCR

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## Puzzle Answers

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### Puzzles4Kids

Answer  
HURRAY STAYED  
AYAYAY RAYE AY  
HOLIDAY AYCA  
N R W AY  
PAPAYAY MAYO RE  
L AY AY  
TOOKAY ES  
IN DELAY BAYS  
GRAY SOMEDAY A

### Weekly SUDOKU

Answer  
9 1 7 3 4 6 8 2 5  
8 5 2 9 1 7 3 4 6  
6 3 4 5 8 2 7 1 9  
5 8 9 1 2 3 4 6 7  
4 7 3 8 6 9 2 5 1  
1 2 6 4 7 5 9 8 3  
3 4 5 2 9 1 6 7 8  
2 6 1 7 3 8 5 9 4  
7 9 8 6 5 4 1 3 2

### SEAWORTHY WORDS

S  
MORIBAESREDNU G  
ROHCNAESKCALBU  
T C E S  
A T NESDAEDLS  
BOLPELBUA  
AEBT S AGA E  
LIVEDAESDAREES  
ESIEEEO S  
N S R C

### FEAR OF A KNIGHT

answer  
CRIB  
A ACACIA  
S DMS  
E R OUCH  
DRAGONA  
A GOT  
S T  
HOTEL E

### Even Exchange

answers  
1. Devour, Devout 6. Maggie, Maggie  
2. Akron, Apron 7. Bronze, Bronte  
3. Model, Modem 8. Stamp, Swamp  
4. Gibson, Gibbon 9. Hammer, Hamper  
5. Charm, Chart 10. Peach, Poach

### King Crossword

Answers  
Solution time: 24 mins.  
DWELT ITEMS  
ORATOR NEGATE  
VELCRO CROCUS  
OAT DOGIN HAS  
IRON PAS FORA  
DYNES MODESTY  
EON REA  
CURDLED ASHES  
ONUS WOOTAL E  
ASS PSEUD ZAG  
CUSTOM TOMATO  
TRIAGE AZORES  
EATON TENDS

### Letter Box

Solution  
C D N L F K E A O  
L F E A C O K N D  
K A O N E D L F C  
F O L K D A N C E  
A K C E L N D O F  
N E D F O C A L K  
E C K D N F O L A  
D N F O A L C E K  
O L A C K E F D N

## The Garden Bug

**Groundcover plants** provide dense soil cover, retard weed growth and prevent soil erosion. They can be woody or herbaceous, clumping or running, evergreen or deciduous. With many colors and textures to choose, they can define and unify a landscape, or soften hardscapes such as walks, steps and driveways. - Brenda Weaver

When selecting a ground cover, consider these choices:

- Tall or low in height
- Sun or shade-loving
- Clay or sandy soil
- Moist conditions or dry
- Showy flowers or less showy
- Seasonal or evergreen

Sources: urbanext.illinois.edu www.greenwoodnursery.com

## Birding BITS

BY Cindy Brook

**A Warbler Affair**  
The other day I came home to a yard filled with warblers. There were three black and white warblers chasing each other around some pine trees. And my tray feeder had yellow-rumps, yellow-throated and pine warblers all eating sunflower chips. It was quite the sight!

E-mail: [birdingbits@cfl.rr.com](mailto:birdingbits@cfl.rr.com)  
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## Real Estate



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## Bible Trivia Answers

\*Test Your Bible Knowledge,\* with 1,206 multiple-choice questions by columnist Wilson Casey, is available in bookstores and online. (5) Caleb; (6) 3 Tech; (3) Arnead angels; (4) Ram; (2) ANSWERS (1) Old; (2) Panta