White Oak Genetics and Tree Improvement Project



Eric Baker **Estill County Extension Agent for Agriculture** & Natural Resources

The goal of the white oak genetics and tree imto collaborate with forest, wood, and distilling industries and forestry, phases: (1) collecting seed orchards. conservation, and wildlife and archiving white oak agencies and organiza- genetic material from of Forestry and Natural tions to quantify genetic throughout the entire Resources is working on variation in white oak geographic range of creating a supply of high

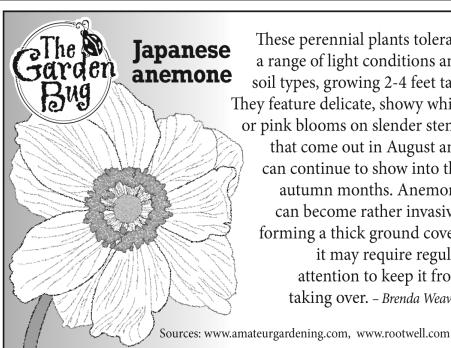
opment.

and improve traits that white oak, (2) progeny quality white oak seed-

servation and economic into the progeny tests. A goals at regional and na- grafted clone bank using provement project (www. for academic and indus- ated to store genetic ma-The project has three eventual creation of the oak genetics project.

have economic and eco-testing to evaluate indilings that will be available logical value. The project vidual performance in a to woodland owners in supports the goals of the variety of traits, and (3) the future. To access the White Oak Initiative and creating seed orchards instructions on how to will help white oak users using superior individu- collect white oak acorns by (1) providing a sus- als based on progeny test and send them to UK, go tainable supply of high performance. Despite a to our office webpage quality, improved white really poor acorn crop http://estill.ca.uky.edu/, oak seedlings via a tree in 2019, they collected click on Ag & Natural Reimprovement program to acorns from 91 parent sources, then select white meet current and future trees from 9 states. The oak genetics and tree demands, (2) improving acorns (17,000+) are be-improvement program. our ability to conserve inggrown in the Kentucky The link will take you to and restore white oak Division of Forestry State the instructions on how in the forest to achieve a Morgan County nursery you can help by collecting variety of ecological, con- and will be out-planted acorns for the research project. Laura E. DeWald, Adjunct Professor and tional levels, and (3) pro-twigs collected from the Tree Improvement Speviding genetic resources parent trees is being cre-cialist, is heading up the collection project. Call whiteoakgenetics.org) is trial research and devel-terial that can be used for 859-257-7596 if you have many purposes including questions about the white

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These perennial plants tolerate a range of light conditions and soil types, growing 2-4 feet tall. They feature delicate, showy white or pink blooms on slender stems that come out in August and can continue to show into the autumn months. Anemone can become rather invasive, forming a thick ground cover; it may require regular attention to keep it from taking over. – Brenda Weaver



Night Owls

Nocturnal birds serve their purpose. They add to the ambiance of the night. What would an orchestra of crickets be without the steady call of a whip-poorwill? I will climb out of sleep to listen to a barred owl. Day or night, birds are great!

E-mail: birdingbits@cfl.rr.com

CryptoQuote AXYDLBAAXR

Wishing 🏖

3

6

S

С

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 up-

per left-hand corner and check one of your key numbers, left

to right. Then read the message the letters under the

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: G equals L

KTHHFKVMY UM VMKAJQ XUK

KVMYVMY XVQE JGFKAC GVHK,

PVYEQ VQ IA JUGGAC U ETPITY?

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checked figures give you.

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.

UN XIK AKMX CNT SGW TWXPV

CNT YWNQ AKXXKH. XIKW QIKW

CNT YWNQ AKXXKH, UN AKXXKH.

OGCG GWFKVNT

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Pine needle drop is common in fall

Many are seeing normal fall pine needle drop. Some may be confusing it with some disease or insect attack. The most noticeable is the white pine, a pine easily identified by close examination of a branch and seeing the five needles in a bundle.

Normal needle fall of a white pine, as well as most other pines, will have the inner most needles of the limbs, closest to the main stem of the tree. turning brown. Normally the needles will change to a brownish-yellow first, and then abruptly brown. Early in the winter the needles will fall to the ground, again leaving the tree uniformly green for the spring. This occurrence helps the tree prepare for winter.

Cause for alarm for any pine, as well as hardwoods, would be seeing foliage turning from green to brown on the exterior of any limb while still green on the interior. If this condition should develop, the tree could have other serious problems.

Contact Eric Baker at the Estill Extension Office at 723-4557 for more information.

GBIN ROBBAR TO Sapra

"You fatten up nicely."

ELITE BRED HEIFER SALE

The Bourbon County Livestock Improvement Association will hold their 30th Annual Elite Bred Heifer Sale on Monday, November 2, 2020 at the Paris Stockyards, located at US Hwy 68 North in Paris. Inspection will be held from 1:00-5:00 p.m. with the sale to begin at 6:00 p.m. A virtual sale option will be available and information is located on the website at www.eliteheifer.com where a link for required paperwork to be completed prior to the sale in order to bid online. Contact the Bourbon County Extension office at 859-987-1895 for more information.

Stickeler's Answer

Stickelers Answer

Milepost 900. To solve this problem, recall that rate x time = distance. Let "x" be the time it takes the Seneca Streamer to reach the milepost. Then:

60(x+3) = 75x60x + 180 = 75x15x = 180x = 12 $75 \times 12 = 900 \text{ miles}$

Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH **Answers** N R A E D F H O T B R B RHWE/E/E/A/L WONNHD/1H D/D/F/W/E/K/E A SAPPEARS ONERDLIHC G S K N O W E E S

UBSHALL)R

might it be called a humbug? singing with closed lips, Supposing an insect was

SUSWER CryptoQuip

- Maya Angelou you know better, do better. you know better. Then when Do the best you can until

SUSWER CryptoQuote

Bible Word Search on Page 7

October 28, 2020 FEARGA

answer

TANGO

B A T

7. Grass, Glass

9. Barge, Badge

10. Sundae, Sunday

OBLIGE

G I B

BASTE

Change, Charge

SHRUB

Even Exchange

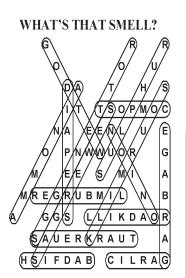
King Crossword -**Answers**

Solution time: 25 mins.

Answer

Why are jack-o'-lanterns smart?

The candle makes them bright.



Letter Box

Solution

| W | 1 | Ν | В | Υ | Α | ┙ | 0 | Т |
|---|---|---|---|---|---|---|---|---|
| L | 0 | Т | Ν | _ | W | Υ | Α | В |
| Α | В | Υ | 0 | L | Т | Ν | Ι | W |
| Υ | N | W | Т | 0 | - | Α | В | L |
| 0 | Т | _ | L | Α | В | W | N | Υ |
| В | L | Α | Υ | W | Ν | 0 | Т | Ι |
| Τ | Υ | L | Α | В | 0 | Т | W | Ν |
| Ν | Α | В | W | Т | Υ | | L | 0 |
| Т | W | 0 | 1 | N | Ĺ | В | Υ | Ā |

Weekly SUDOKU Answer

| 8 | 1 | 3 | 4 | 6 | 7 | 9 | 5 | 2 |
|---|---|---|---|---|---|---|---|---|
| 7 | 5 | 6 | 9 | 1 | 2 | 4 | 3 | 8 |
| 9 | 2 | 4 | 5 | 3 | 8 | 6 | 7 | 1 |
| 5 | 8 | 9 | 1 | 2 | 6 | 3 | 4 | 7 |
| 4 | 6 | 2 | 3 | 7 | 9 | 8 | 1 | 5 |
| 1 | 3 | 7 | 8 | 4 | 5 | 2 | 6 | 9 |
| 2 | 4 | 5 | 6 | 9 | 1 | 7 | 8 | 3 |
| 3 | 7 | 1 | 2 | 8 | 4 | 5 | 9 | 6 |
| 6 | 9 | 8 | 7 | 5 | 3 | 1 | 2 | 4 |

Bible Trivia Answers "Test Your Bible Knowledge," with 1,206 multiple-choice questions

7; 3) Exodus; 4) Saul; 5) by columnist Wilson Casey, is available in bookstores and online. (7 1941)

Mahum; 6) 666