

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

According to UK Extension Plant Pathologist Nicole Ward-Gauthier, Rhizosphaera needle cast is the most liage. This infection procommon disease of spruce in drop in lower branches, resulting in a distinct thinned such as this past summer. pathogen primarily infects ing spring, pycnidia develop some pine species. White stomata. Needle discolora natural thinning and not a ond season, resulting in thindisease.

## **Needle Cast Of Spruce Wish**

brown. Within a few weeks, plants. needles fall and lower limbs with the naked eve.

extends over a 15-month period. Infection takes place as 2 consecutive years during spores (conidia) within these pycnidia are rain splashed from needle debris onto focess occurs primarily during Kentucky. It causes needle spring but it can continue as long as conditions are rainy, appearance. The fungal During the winter or followspruce, but can also affect in infected needles, plugging pines will lose some needles ation and needle drop occur this time of the year, but it is during summer of the secning of lower canopies. If

phaera needle cast are of- secutive years, branch death active. Fungicides that inten noticed during summer is likely. Stressed trees are clude chlorothalonil, copper, when needles on lower more susceptible to infection or mancozeb are effective branches turn purplish or by R. kalkhoffii than healthy

Disease management are left bare. Small, dark should consist of good culnidia form in stomata (pores proved vigor and reduced of the needles) and can be plant stress, proper spacing used to confirm diagnoses. to improve air circulation, Pycnidia can easily be rec- and most importantly, good ognized with a hand lens or sanitation habits. During rainy seasons or in plantings The life cycle of the fungus with a history of disease, fungicides may be applied

Symptoms of Rhizos- defoliation occurs 3 to 4 con- spring when fungi are most when applied during needle emergence (mid-April) and again four weeks later.

For more information fruiting bodies called pyc- tural practices such as im- on needle cast diseases of conifers, contact the Estill County Extension Service at 723-4557 and ask for UK Extension Publication ID-85.

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Death's-head

hawkmoth

This insect's skull-like markings on its back are unsettling, and when it is disturbed, it squeaks loudly, hops about and shrugs its wings up and down. It has long been superstitiously regarded as a harbinger of war, pestilence, hunger and death. Entomologists drew from mythology to name it: acherontia from the river of pain in the underworld, and atropos, the Fate who cuts the thread of life.

> - Brenda Weaver Source: www.nhm.ac.uk

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Extension Farm Field Day: Jason Smith (third from left) discussed how soybeans yield and variety trial plots at Extension Farm Field Day. Jason is the farm operator and was gracious to host the farm tour.





LEFT: Extension Farm Field Day: UK Extension Forester Doug McLeron talked about firewood types and heating with wood. He also talked about the spread of emerald ash borers by firewood movement. RIGHT: Extension Farm Field Day: Estill Co. Conservation District Representative Fred Brown II and Harold Alcorn demonstrated the use of a wood chipper and a log splitter at Extension Farm Field Day October 2nd. The equipment can be leased from the Conservation District.

#### **COOPERATIVE EXTENSION SERVICE** University of Kentucky – College of Agriculture



## **Estill County** 4-H Youth Development

Isaac L. Hollon **Estill County Extension Office** 

## **Estill County 4-H News**

## **State Fair**

Estill County youth did an outstanding job at the Kentucky State Fair participating in Cloverville, Avian Bowl, Country Ham, and Livestock show. This year twenty-two 4-Hers entered contests. There was a total of 1 Class Champion ribbon, 19 Blue ribbons, 22 Red ribbons, 8 White ribbons and 1 Green ribbon. Congratulations to our 4-Hers who participated in the Kentucky State Fair this year.

#### Horse Club

On behalf of Estill County 4-H, I would like to extend a special thank-you to the Estill County Saddle Club for their donation to the Estill County 4-H Horse program. Contributions such as this help to provide quality educational events for the youth of our county. Currently, we are without a leader for our horse program. If anyone is interested in helping with this or any other program, please call the Extension Office at 606-723-4557.

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### Stickelers Answer

- 1. bag PIPE line
- 2. sheep **SKIN** tight
- 3. floor **BOARD** walk
- 4. arch ANGEL fish
- 5. day <u>DREAM</u> boat

## **Employment**

## The Terrace **Nursing & Rehabilitation Facility**

**Position Available Maintenance Department** Flooring/Carpet Tech 10a-6p (Usually M-F)

**Excellent Starting Wage** • Full Time Benefit Package Available Apply at: 1043 Brooklyn Blvd., Berea, KY 40403 We are an equal opportunity Employer

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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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## CryptoQuote

is LONGFELLOW

One letter stands for another. In this sample,  ${\bf A}$  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.

LNR ZQJPZ ZINMQ NFNP

QXZINQ ZIXR ZINMQ NXQP;

ZIN QCXE GF OQNYNOZ MP

KCRW XRE ZNEMCJP, GF

NHXLOKN PICQZ XRE NSSNYZJXK. - PNRNYX

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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: A equals Z

YMQMAXIJ BJMVOFXIQ AXIQXIQ

FJDUNIDJD BFNY OIDMVXDBXJC

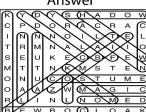
UFNCOPV ODJFD:

"PNIDOYJF FJVNFVD."

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# **October 9, 2013**

## Puzzles4Kids



## etter Box

Solution

					0			
					1			
Z	0	Α	R	Е	Т	Η	Τ	U
U	Т	Е	0	Ζ	Н	R	Α	Ι
R								
0	Α	Ζ	_	R	U	Е	Т	Н
E								
Η	Ζ	R	Е	_	Α	U	0	Т
A	U	Т	Н	0	R		Z	E

THE THREE R's

## answer H E R O I C U ATOM 0 R A L |0|K|R|A| KIIN E T H E R

## **Even Exchange**

Detour, Devou

6. Barber, Barter 2. Shelf, Shell 7. Ample, Apple

3. Locket, Rocket 8. Limbs, Limbo

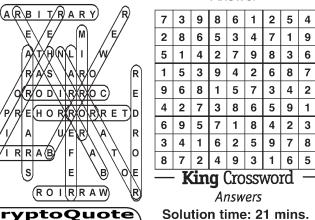
4. Tamer, Timer 9. Whole, Whale

5. Couch, Coach 10. London, Landor

#### Weekly SUDOKU

**Answers** 

Answer



#### CryptoQuote answer

Men trust their eyes the road by precept is long and tedious, by example short and effectual. — Seneca

#### CryptoQuip

Magazine featuring zinging responses from unsatisfied product users:

Bible Trivia Answers Casey's trivia book "Know It? ... or Not?" is available from BearManorMedia.com

"Consumer Retorts. 5) Biessings; 6) Hearing Moses; 3) Ruth; 4) Eyes; ANSWERS: 1) Old; 2)