

Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

With cooler weather around the corner, livestock producers need to beware of the potential of prussic Certain plants, such as johnsongrass, sudangrass, and sorghum/sudangrass hybrids contain cyanide-producing compounds that are released with frost damage to the plant. The amount of the compound in a plant depends on one or more factors including the size and variety of the plant, whether hay or grain before allowdrought conditions are present, and the extent of physical damage caused by frost.

When an animal eats plants containing high levels of the compounds, prussic acid poisoning results. Prussic acid interferes with chance for prussic acid be-

Livestock Producers Beware!

oxygen utilization.

narian have developed several tips to reduce prussic acid poisoning in livestock:

1.) Frost/freezing is especially dangerous because the plant cells actually rupture nitrogen soil (and low in allowing prussic acid to be phosphorus and potassium.) released. Do not graze until tend to have more pruswell after the entire plant sic acid potential. Splitting and new shoots are killed nitrogen applications will and have turned brown reduce the risk of toxicity. (dry.). New forage growth Herbicides such as 2,4 D following drought or frost can also increase prussic is dangerously high in prussic acid. Wait at least 7 days after a killing frost to allow the cyanide to dissipate;

stems, especially young upper leaves. New shoots often contain high concentrations of prussic acid. Never graze sorghums or sorghum-cross plants less than 15 inches tall ("knee high".) to significantly reduce the potential also have the potential for tional origin. for poisoning;

3.) Feed hungry cattle ing them to graze forages which may contain prussic acid therefore reducing the amount consumed. Do not graze at night when frost is likely;

4.) Drought increases the

Do Not Judge

Matthew 7:3-6

See also, Luke 6:37-42 & Romans 14:1-12

³And why beholdest thou the mote that is

in thy brother's eye, but considerest not the

beam that is in thine own eye? 4Or how wilt

thou say to thy brother, Let me pull out the

mote out of thine eye; and, behold, a beam is

in thine own eye? 5Thou hypocrite, first cast

out the beam out of thine own eye; and then

shalt thou see clearly to cast out the mote

out of thy brother's eye. 6Give not that which

is holy unto the dogs, neither cast ye your

pearls before swine, lest they trample them

under their feet, and turn again and rend you.

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cause slowed growth and nitrate accumulation, espe-University of Kentucky the inability of the plant to cially during drought con-Extension Forage Special- mature favors the formation ditions. Nitrate tends to acists and Ruminant Veteri- of cyanogenic compounds cumulate in the lower stem, in the leaves;

acid for several weeks fol-

lowing application; plants high in prussic acid acid may remain if extremely high before cutting. If in ages before feeding;

so cutting hay very short, or **5.)** Do not graze until 2 overgrazing so that cattle weeks after a non-killing have to eat the lower stem bases (the "stubble".) can **6.)** Plants grown in high cause more intake of nitrate and signs similar to prussic acid poisoning. Nitrates can persist even in hay;

9.) If you cut Johnson grassorsorghum-sudangrass for hay, it is safe because the hay curing process neutralizes any prussic acid; and

10.) Wild cherry leaves contain the cyanide com-7.) Chopping or ensiling pounds. Do not allow access to wild cherry leaves 2.) Leaves produce much will reduce toxin levels if whether they are wilted or acid poisoning after a frost. more prussic acid than properly cured. However not. After storms always dangerous levels of prussic check pastures for fallen

> Educational programs of doubt, analyze suspect for- the Cooperative Extension Service serve all people re-**8.)** Johnson grass and sor- gardless of race, color, sex, ghum-sudan grass hybrids religion, disability or na-

Wishing 🍒 6 G R 8 5 S Ε 2 5 8 3 6 D 4 8 4 2 R R R 8 6 5 R Ν R 6 5 S R W

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: P equals Y

OSR YNOSRYNOZHZNG SNF N LRNCCP TGLRNCZIOZH SJVR. Z LRHBJG PJT HJTCF HNCC ZO "VZ ZG OSR IBP."

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COOPERATIVE EXTENSION SERVICE University of Kentucky - College of Agriculture



Estill County Family & Consumer Sciences

Chelsea K. Bicknell **Estill County Extension Office**

Monday, October 19th @ 12:00 Noon Lightbulb Shopping Made Simple

Standing in the store's lighting aisle can be confusing if not overwhelming. Armed with less than an electrical engineer background, the simple light bulb decision has quickly evolved into a shelf-side research project ending in a starling price analysis. Once you crack the code, only then can you focus on what really matters – how much you're willing to spend and how bright a bulb you need. Would you like to learn the truthful facts amidst misleading advertisements and company profit motives? If you are looking for direction when replacing that burned out 60 watt incandescent, join UK Extension Associate for Residential Energy, Gerald Hash, and Family and Consumer Sciences Extension Agent, Diana Doggett, at The Best and Brightest Home Lighting workshop on October 19 at 12:00 Noon at the Estill County Cooperative Office, 76 Golden Court, Irvine, KY. This program is free of charge and will help consumers become better informed but not over whelmed regarding the battle of the bulbs. Contact 606-723-4557 for additional information.

Educational programs of the Cooperative Extension Service serve all people regardless of race, color, sex, religion, disability or national origin.

CryptoQuote

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.

CEPMY SEP EJGY MPHY

HYJTM CEKTN CEY HPMC KHZPACJTC CEKTD KT CEY SPAQU KM QPGY. CEY ZPPA

NTPS KC KM HPTYX.

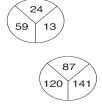
DYAJQU IAYTJT ©2015 King Features Synd., Inc.

October 7, 2015

Stickeler's Puzzle



There is a certain logic in the placement of the numbers in the circles below. See if you can determine that relationship and find the missing number in the last circle.





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Solution

Puzzles4Kids

1	\sim	- 1	1.1	IVI	_	1.4			'
ı	Ν	Р	М	Т	R	С	Τ	Α	Е
ı	С	Т	Е	Н	Α	Р	Z	R	М
ı	Е	С	Α	R	Р	Н	Т	М	Ν
ı	Т	Н	Р	Ν	М	Α	R	Е	С
ı	R	М	Ζ	Е	С	Т	Α	Р	Н
l	Р	Α	R	С	Н	М	Е	Ν	Т
ı	Н	Е	Т	Р	Ν	R	М	С	Α
	М	Ν	С	Α	Т	Е	Р	Н	R
L					•				•

ANIMALS IN WORDS

SAFARI E $T \mid I \mid E \mid R$ O D E D R U I D The Henpire State Building | C | E | R | E | A | L ABHMENCTP

Even Exchange

1. Gallon, Gallop 6. Mumble, Fumble 2. Shock, Spock 7. Expand, Expend

3. Perch, Perth 8. Quiet, Quilt 4. Nickel, Nicked 9. Shawl. Shall

5. Safer, Saber Devour, Detour

4 8 7 3 1 5 6 2

7 3 6 2 8 5 9 1 4

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

6 2 7 9 4 3 8 5 1

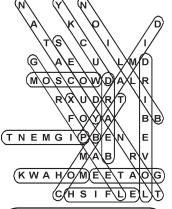
3 | 5 | 9 | 6 | 1 | 8 | 2 | 4 | 7

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

4 6 2 3 5 7 1 8 9

4 9 6 7 3 8

Weekly SUDOKU _ Answer



CryptoQuote

who have some means think the most important thing in the world is love. The poor know it is money. — Gerald Brenan

CryptoQuote

answer Those who have some means think the most important thing in the world is love. The poor know it is money. Gerald Brenan

8 7 3 1 6 9 4 2 5 **King** Crossword — **Answers** Solution time: 24 mins.



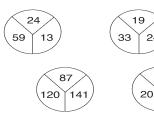
ANSWERS 1) Neither; 2) is available from BearManorMedia.com

People moum; 3) Inherit the earth;

Bible Trivia Answers Casey's trivia book "Know It? ... or Not?"

4) Luke; 5) Donkey; 6) Wisdom

Main Street in Ravenna Call 606-975-3796



Stickeler's Answer on Page 11

Thursday, October 29th

Trick-R-Treat Trot

In order to create another successful community event, the ECHS Future Business Leaders of America would like to partner with local churches, business and civic organizations to create another great night of Community Trick ~R~ Treating that is safe for all children. We invite you to set up booths, or chairs and hand out Halloween candy or prizes to kids.

If you would like to set up a booth, you will need to provide your own table, candy and/or prizes. If you do not want to set up a booth, you are welcome to bring chairs for handing out your goodies. This year the dress up theme will be "America the BOOtiful". Please come dressed patriotically and have fun as we keep our kids safe. We hope you will join us this year! Location is on Broadway in Irvine, beside US Bank. Things to Know:

Register by October 27, 2015 Set up by 4:45 p.m. on Thursday, October 29th Bring your own chairs and booth set up Bring individual pre-packaged candy ONLY Please come dressed in costume

For more information please contact Paula Short at 606-723-3537 or mail registration by 10/23/2015 to: Paula Short, ECHS, 397 Engineer Road, Irvine, KY 40336. A registration form will be on The Estill County Tribune's website <www.estilltribune.com> asap.