

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

Bull infertility can be one of the costliest problems in a beef cattle operation. Even if a bull has been a sound breeder for several years he can become infertile,

## Breeding Soundness Exams Save Dollars

even temporarily, which can cause the loss of part or the entire calf crop. Unfortunately, this happens more often than most producers think. The good news is that the chances of it occurring can be greatly reduced with a simple management practice called a breeding soundness exam.

A breeding soundness exam is generally performed by a veterinarian or highly trained technician. The exam includes a physical examination of the bull, an assessment of the bull's structural soundness, scrotal circumference measurement, and a microscopic examination of semen quality. Most or all of this can be done chute-side with ad-

equate facilities. If a bull passes his breeding soundness exam it means that he should be physically capable of breeding cows. It does not measure desire. That means that even if a bull passes his breeding soundness exam he should still be observed to make certain that he is interested in females that are in heat. Also, females should be observed for return to heat, which is a sign of fertility or desire problems in the bull.

The breeding soundness exam should be conducted within 60 days of the breeding season. However, do not wait too late because it will be more difficult to find a replacement if your bull does not pass. It is also a

good idea to purchase bulls that have passed a breeding soundness exam or get an assurance from the seller that if he does not pass he will be replaced.

Using a bull with good genetics is important to your beef operation, but if the bull cannot pass those on then he is of little good. The cost of a breeding soundness exam is cheap insurance for next year's calf crop. For more information, contact the Estill County Extension Office at 723-4557 or contact a local veterinarian.

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

**The Garden Bug**  
Wedding flowers  
These varieties are said to be the top choices for wedding bridal bouquets and wedding arrangements: tulips, calla lilies, Casablanca lilies, gardenias, hydrangea, lilacs, lily-of-the-valley, orchids, garden roses, and stephanotis.  
Source: weddingchannel.com

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

**Estill County**  
**4-H Youth Development**  
**Isaac L. Hollon**  
Estill County Extension Office

June 6-10

### 4-H Summer Camp

There is still time to sign up for 4-H Summer Camp. Camp will be earlier than usual this year. Estill County youth (ages 9 – 14) will be camping June 6th-10th at J.M. Feltner 4-H Camp in London, Kentucky. Scholarships are still available for this camp. Scholarship application deadline is May 13th.

Cloverbud Camp will be June 18th – 20th at J. M. Feltner 4-H Camp in London, Kentucky. This 3-day camp is for youth ages 6 – 8.

Stop by the Extension office to pick up an application for either of these camps or call 723-4557 for more details.

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## Cedar Rust Diseases Active

With wet and warming spring weather, cedar rust galls are developing on cedar and other Juniper species. As galls swell, they produce spores that threaten apple (and sometimes crabapple and hawthorn). Galls indicate that rust pathogens are releasing or preparing to release infective spores.

There are three types of cedar rusts that affect apple: cedar-apple rust which produces large brown galls on cedar and other species of Juniperus, cedar-quince rust that produces orange swellings on twigs and fruit, and cedar-hawthorn rust that forms galls similar to cedar-apple rust, only smaller. All three fungi have similar life cycles.

Fungicides should be used as protectants to prevent rust pathogens from

infesting. After symptoms develop on apple, it is often too late for control. Early protection of apples, crabapples, and hawthorns is important, as most infections occur within the first 30 days after bloom. Many general purpose fruit tree sprays may not control rusts. Homeowner fungicides available include Im-munox and Mancozeb.

For detailed spray recommendations, backyard fruit growers should consult publication ID-21, "Disease and Insect Control Program for Home Grown Fruit in Kentucky." For landscapes, consult UK Extension publication ID-88, "Woody Plant Disease Control Guide for Kentucky." All three are available through the Cooperative Extension office. For more information, call 723-4557.

**The Garden Bug**  
Topiary is the training, cutting and trimming of trees or shrubs into odd or ornamental shapes. The term stems from the Latin *topiarius* ("ornamental landscape gardener"). Plants commonly used for it are evergreen, mostly woody, have small leaves or needles, produce dense foliage, and have compact and/or columnar growth habits.  
Source: www.merriam-webster.com, wikipedia.org

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

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: X equals A

TSBKSNGE X UVYYNGE IANYU,  
N AYXBQ X TRVNFYJXG BSG  
NGIR X FASBFA XGQ MYVV

"KIRT AMJG!"

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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.

ZWOERCK EYJUZY LO EZJE  
SYF JFI FJEWRF OXYZJNY  
BWOYPK RFUY EYZK ZJNY  
YDZJLOEYI JPP REZYC  
JPEYCFJEWNYO. - JXXJ YXJF

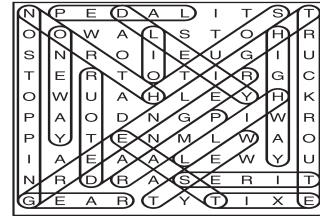
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## Puzzle Answers

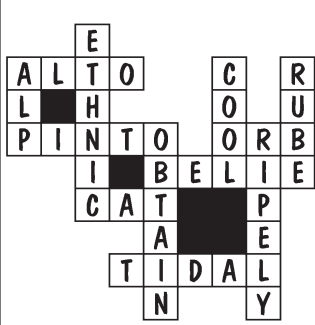
May 11, 2016

### Puzzles4Kids Answer



Riddle Answer:  
It was toad away.

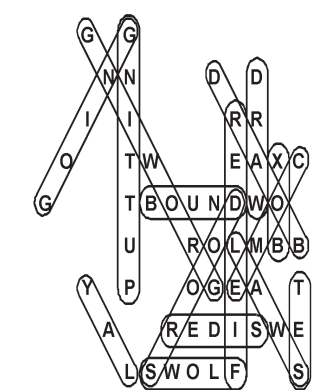
### FEAR & KNIGHT answer



### Letter Box Solution

A	L	U	D	R	N	C	O	I
D	N	C	U	I	O	R	L	A
O	I	R	C	L	A	D	N	U
R	A	I	N	C	L	O	U	D
L	C	O	R	D	U	A	I	N
N	U	D	A	O	I	L	R	C
U	R	N	O	A	C	I	D	L
C	D	L	I	U	R	N	A	O
I	O	A	L	N	D	U	C	R

ADDING IN OR OUT PREFIX  
MAKES A NEW WORD



CryptoQuip  
answer  
After taking some pictures of the county lawman, do you think we should sing "I Shot the Sheriff"?

### CryptoQuote answer

A man has to live with himself, and he should see to it that he always has good company.  
- Charles Evans Hughes

### Even Exchange answers

- Crane, Crate
- Prayer, Player
- Hunch, Hutch
- Deluge, Delude
- Fable, Table
- Alter, Altar
- Pinky, Picky
- Lively, Lovely
- Hanger, Hangar
- Minor, Minot

### Weekly SUDOKU

Answer

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

### King Crossword Answers

Solution time: 21 mins.

H	I	S	G	N	U	N	E	A	L	
I	D	E	A	E	O	N	O	K	R	A
T	O	R	N	E	S	P	G	L	A	D
S	L	A	Y	S	Y	E	A	H		
T	H	E	G	U	I	T	A	R		
B	O	T	H	E	R	S	K	N	I	F
A	L	A	I	R	A	P	G	L	A	D
N	I	N	N	Y	W	A	N	D	E	R
D	O	G	E	D	Z	O				
G	N	A	W	W	I	P	E	D		
H	O	I	O	N	T	P	N	E	R	O
H	O	P	E	D	N	A	G	E	N	T
M	E	S	S	Y	E	W	K	O	S	

### Bible Trivia Answers

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

ANSWERS (1) Netter; (2) 2 Kings; (3) John; (4) Jubal; (5) Natn; (6) Haran

**Stickeler's Puzzle**

**STICKELERS** [sic].  
by Terry Stickels

Below is a scrambled 16-letter word that is known to all. What is it?

H	T	G	S
D	E	R	N
I	S	T	S
E	O	S	H

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Stickeler's Answer on Page 11

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