

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

With winter temperatures and resulting wind chills, cattle producers need to pay special attention to newborn calves. University of Kentucky College of Agriculture, Food and Environment ruminant veterinarian Michelle Arnold said extra precautions would go a long way in helping calves survive. "A calf's body temperature often falls below normal due to a slow birth, followed by a delay in standing and nursing," she said. "That is the immediate concern, and then the next step is maintaining the calf's core temperature."

# Take Precautions With Newborn Calves

If possible, producers should bring cows into the barn to calve in a heavily bedded, clean pen. If cows must calve outdoors, make sure there is dry, clean ground available without a large amount of manure. If cows do calve outdoors and calves show signs of hypothermia, or there are no natural windbreaks, producers should bring calves in until they are warm and dry.

Signs of hypothermia include shivering and blood shunting. In the early stages of hypothermia, a calf will show vigorous shivering usually accompanied by increased pulse and breathing rate. Cold nostrils and pale, cold hooves are early signs that blood is being shunted away from the body's extremities. Watch for erratic behavior, confusion and a clumsy gait. As hypothermia progresses, shivering stops and muscles become rigid and pulse and respiration slow down. Brain cell metabolism slows and impairs brain function. The calf's level of consciousness deteriorates and signs of life be-

come difficult to detect. The pupils of the eyes will be dilated and fixed, and it may be hard to detect a pulse. The calf may have occasional gasps of respiration, and that may be the only clue that the calf is still alive. Heart failure may be the actual cause of death.

"The two most important factors in calf survival are warmth and colostrum," Arnold said. "Colostrum is a concentrated source of protein, vitamins, minerals and energy, and it also contains antibodies to diseases or vaccines that the mother cow has been exposed to. Before you give colostrum, you need to make sure to warm the calf because the weak ones may not have enough strength to suckle. Sometimes you may need to deliver colostrum through an esophageal feeder." Dark Karo syrup is a quick source of energy for calves and their bloodstream quickly absorbs it.

UK Extension beef specialist Jeff Lehmkuhler contributed several ways to warm newborn calves: 1) place calves next to floorboard heaters of pickup trucks; 2) submerge wet calves in warm baths and gradually heat the water to 100 degrees Fahrenheit meanwhile supporting the calves' heads to prevent drowning. Continue changing water out to maintain temperature; 3) place calves next to the heater in the house; 4) place calves under heat lamps, but be care-

ful to cover the lamp with a screen so the calf will not get burned as it becomes more active; 5) wrap the calf in warm blankets, but not so hot that they burn the skin, and change the blankets as necessary to maintain warmth; 6) place the calf in a hot box or warming box, but not so hot that they burn the skin, with some type of venting is necessary to prevent carbon monoxide and moisture. Air movement is important to ensure thorough warming and to prevent hot spots in the warming box; and 7) ask a veterinarian administer warm IV fluids.

"Once the calf is warm, provide colostrum and maintain body temperature," Arnold said. "If the calf is unwilling to suckle and it's not possible to milk the mother cow, you should consider commercial colostrum-replacement products." Calves need colostrum as soon as possible after the suckle reflex has returned, generally within the first six hours after birth, but ideally within the first hour or two. Once the calf is warm and fed, move it back to its mother.

For more information, contact the Estill County Extension Office at 723-4557 or your local veterinarian practice.

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## Wishing Well®

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

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

**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.

HS ATXOROLX OL H KUBBAJ  
JYA EUBOUMUL JYHX OL  
PAOSP XA EU JOBB EU  
TALXTASUC. — NOS YZEEHVC

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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: R equals T

VCZR UAGKDINKIR WGGQOQAI  
VZRYCKO SAD OTMQIU  
ZYRQQQRQKO? RCK WKTZDRNKIR  
AS RCK RDKZYCKDM.

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# Puzzle Answers

January 21, 2015

## Puzzles4Kids

Answer

Why is math such hard work?  
Because of all those numerals  
you have to carry.

## FEAR & KNIGHT

answer

V	O	T	E	R
E	O	O		
F	R	A	Y	O
I			S	T
F	A	D	S	T
Y	E		D	U
			I	O
			F	U
			T	I
			L	E
			Y	

## Even Exchange

answers

- Border, Bolder
- Crest, Crept
- Marry, Maury
- Stitch, Snitch
- Joint, Joins
- Grown, Groan
- Waiter, Whiter
- Giggle, Wiggle
- Paper, Paler
- Carton, Carbon

## Weekly SUDOKU

Answer

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

## King Crossword

Answers

Solution time: 27 mins.

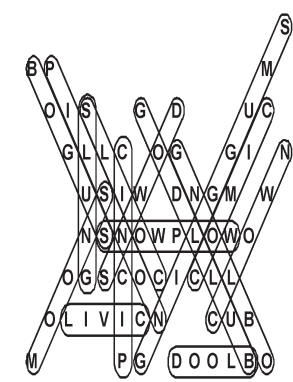
A	T	M	P	A	I	R	B	U	L	L
R	H	O	E	I	R	E	O	R	E	O
C	A	D	I	L	L	A	C	U	N	I
S	W	E	R	V	E	Y	E	N		
			A	I	D	C	A	D	E	T
B	A	I	T	S	B	L	T	V	I	E
L	U	C	E	S	S	U	E	L	I	T
O	R	E	I	T	S	P	Y	L	O	N
C	A	D	D	I	E	O	E	R		
			W	I	N	G	R	I	P	P
J	A	N	E	C	A	D	I	D	E	U
O	B	O	E	I	D	E	S	A	L	P
B	A	R	B	L	O	N	E	K	E	Y

## Letter Box

Solution

E	O	V	G	I	L	B	T	R
T	L	R	E	O	B	I	V	G
B	I	G	T	V	R	O	L	E
O	E	T	I	B	V	G	R	L
G	R	I	L	T	O	V	E	B
L	V	B	R	E	G	T	O	I
I	G	E	V	L	T	R	B	O
R	T	O	B	G	E	L	I	V
V	B	L	O	R	I	E	G	T

WORDS WITH LETTERS FORMED WITHOUT LIFTING PEN



## CryptoQuote

answer  
An optimist is a fellow who believes what is going to be will be postponed. — KIN HUBBARD

## CryptoQuip

answer  
What government division watches for spying activities? The department of the treachery.

# Farm News

Thursdays, March 5th thru May 7th

## 2015 Master Cattlemen Course

Beef cattle producers of Estill, Clark, Madison, and Powell Counties are invited to enroll in our multi-county Master Cattlemen Course. It is a series of educational meetings covering all elements of beef production and beef industry. There are ten sessions covering everything from nutrition to marketing taught by university specialists. The information provided will help you be a more successful and profitable beef producer. You are expected to attend 8 of the 10 classes to receive a Master Cattlemen status. All classes will be held at the Clark County Extension Office, begin at 5:30 p.m., and dinner is provided. A course fee is required. First class is March 5 and then each Thursday through May 7.

If you are interested, please contact the Estill County Extension Office at 723-4557. The enrollment deadline is February 27, 2015.

Tuesday, February 3rd @ 6pm

## Farm Bill Info Meeting

**SPECIAL MEETING:** Landowners and farm operators from Estill, Madison, and surrounding counties that may be impacted by the 2014 Farm Bill are invited to attend an informational meeting at the Madison County Extension Service, 230 Duncannon Lane, Richmond, KY. The meeting will explain ARC, PLC, and provide tools to make the best decision. The meeting is scheduled for Tuesday, February 3rd, 6:00 p.m. Please let us know if you plan to attend by calling 606-723-4557.

Tuesday, February 27th

## 2014 Farm Bill Deadlines

The Secretary of Agriculture has announced the timeline that landowners and farmers have to make their decisions as part of implementing the 2014 Farm Bill. Landowners are responsible for making the decisions regarding reallocating base acres and updating yields. Producers decide to elect either the ARC-County, ARC-Individual, or PLC program.

**February 27, 2015:** Landowners have a one-time, irrevocable opportunity to reallocate base and update payment yields.

**March 31, 2015:** Producers have a one-time, irrevocable decision to elect either

- (1) ARC-County or PLC on a covered commodity by covered-commodity basis OR elect
- (2) ARC-Individual for all of the covered commodities on the farm.

**Mid-April 2015 – Summer 2015:** Producers sign contracts to participate in ARC/PLC for 2014 and 2015 crop years.

Starting April 1, 2015

## Beef Producers Approve Check Off

Kentucky beef cattle producers voted to assess themselves an additional \$1 per head on cattle marketed in Kentucky in a statewide referendum held in November.

The final tally was 1,816 in favor of the state check off and 1,423 against. The assessment will take effect April 1, 2015.

Producers who pay the assessment may request a refund from the Kentucky Cattlemen's Association in writing within 30 days of the date that the assessment is collected.

**The Garden Bug**  
Ladybug lingo BY BRENDA WEAVER

Called ladybug in the United States, this garden favorite is called *glückskäfer* in Austria, *slunéčko* in Czechoslovakia, *leppä-erttu* in Finland, *paskalitsa* in Greece, *lieveheersbeestje* in Holland, *coccinella* in Italy, *tentou mushi* in Japan, *kumbang* in Malaysia, *biedronka* in Poland, *pikapolonica* in Slovenia, *mariquita* in Spain and *ilsikazana esincane* in Zulu.

Source: www.celticbug.com

## Stickeler's Puzzle

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

Now Cram How Elves Nail Train Pear

One of the words below belongs in the group of seven words above, which share a certain construction. Which word is it?

Pour Crime Launch Wing

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## Stickeler's Answer on Page 11

Jimmie L. Johnson, DMD, PSC  
Family Dentistry  
87 Wildwood Place (off Court St.)  
Irvine, Kentucky  
(606) 723-3213

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

2 Ravens: 3 Paul; 4) Bees  
ANSWERS 1) New; Centurian; 5) 11; 6) Bees