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Winter is getting an early start this year. With blasts of arctic cold, farmers need to make sure their animals are ready for the assault. Cold temperatures and severe wind chills create dangerous conditions for livestock and outdoor pets.

Cold Stress on Livestock

Livestock producers should make sure animals have adequate shelter, water, dry bedding and feed to make it through cold weather conditions. UK livestock specialists note that animals have a higher requirement for energy in the colder months, so producers should have high-quality grains and forages on hand to meet their needs.

The average horse, with a lower activity level, should eat between 1.5 and 2 percent of its body weight in feed per day to maintain its weight. UK equine specialist Bob Coleman said that feed requirement goes up in the winter, as horses use more calories to keep warm. He recommends providing extra hay and making sure horses have shelter to get out

of windy, damp weather. It's also important for horses to have access to clean, unfrozen water. Make sure water sources are open for all livestock. A decrease in water intake will affect feed intake.

Ambient temperatures can impact the amount of dry matter cattle eat, providing an opportunity to compensate for increased maintenance energy needs. Producers either need to increase their animals' feed intake or increase the energy density of the diet by feeding higher quality hay or adding more grain or fat to the grain mix, UK beef specialist Jeff Lehmkuhler said.

Lehmkuhler recommended that producers continue to monitor cows during the wintertime and make sure to maintain the animals' body condition. "Poor quality hay may not provide adequate energy to maintain gestating cows that are entering the third trimester," he said. "Consider having the hay tested to determine if you need to supplement during times of possible cold stress, especially for the enduring re-cold spells." He said to consider separating younger and thinner cows that may not

have the same internal insulation as conditioned older cows and supplement them accordingly or offer them higher quality forage if available. Coleman said equine owners can employ similar strategies and separate animals according to body condition score.

"Producers should move cows to fields with natural windbreaks or provide man-made windbreaks, which are not the same as a barn," Lehmkuhler suggested. "Poorly managed barns combined with poor ventilation may actually hamper efforts to improve the environmental conditions. Lastly, remember it is energy or calories that are really needed. If the protein level in the forage is adequate, do not make supplement decisions based on protein level; rather purchase the most affordable calories. Stay warm and keep the waterers flowing."

For more information, contact the Estill County Extension office at 723-4557.

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Estill Ag News

Thursday, November 20th

State Beef Assessment Referendum

A referendum on whether Kentucky cattle producers may be assessed \$1 per head on cattle marketed in Kentucky is scheduled for Nov. 20, the Kentucky Department of Agriculture (KDA) and the Kentucky Cattlemen's Association (KCA) have announced.

The referendum will ask Kentucky cattle producers: "Shall the producers of bovine animals assess themselves an additional ONE DOLLAR (\$1.00) per head sold, and use the funds so collected by the Kentucky Beef Promotion Council to finance a program to promote and stimulate by research, market development, and education, the use and sale, domestic and foreign, of bovine animal products?"

The referendum will be held from 8:00 a.m. to 6:00 p.m. local time at all county Extension offices. All cattle producers involved in the marketing or sale of cattle in Kentucky are eligible to vote yes or no.

We encourage Estill County cattle producers to cast their vote November 20th. The Estill County Extension office is located at 76 Golden Court, Irvine (just off Stacy Lane beside the Senior Citizens Center). If you have questions, contact us at 723-4557.

Monday, November 24th, 9am

Managing Beef Cattle In Confinement

The Managing Beef Cattle in Confinement Conference is scheduled for Monday, November 24th at the Fayette County Extension Office, Red Mile Road (behind Central Equipment). Registration begins at 9:00 a.m. and the program runs 10:00 a.m. to 3:45 p.m.

Program includes: "Key Management Issues, Building Design Considerations & Value of Manure from Confinement Structures - Dr. Alfredo DiConstanzo of University of Minnesota; Managing Beef Cows in Confinement - Dr. Karla Jenkins of University of Nebraska; Comments by Joe Cain of Kentucky Farm Bureau Commodity Division; Siting a Confinement Cattle Facility - Dr. Steve Higgins of UK Biosystems & Ag Engineering; Water Quality: Legal Aspects for Confinement Operations - Randy Smallwood of NRCs; Economic Considerations of Confinement Feeding Facilities in Kentucky - Dr. Kenny Burdine of UK Agriculture Economics Specialist; and a Producer's Panel - Myron Ellis (Mercer County) and Steve Foglesong (Black Gold Cattle Co.). Various Agriculture vendors will set up booths for you to visit during breaks.

Registration cost is \$10.00 per person to cover the cost of a buffet lunch and refreshments. Please pre-register by calling the Extension Office 723-4557 by November 19th. If you are interested in carpooling to the meeting, let me know.

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TWIN CITY CAR WASH
Hand Wash
River Dr. & Main, Ravenna
Detailing Available!
Call 606-465-1821

The Garden Bug
Adjusting pH levels

Inexpensive testing kits are found at garden centers.

On a scale of 1 to 14, a soil pH level of 7 is "neutral"; below 7 is "acidic" and above 7 is "alkaline." Most plants prefer nearly neutral soil with a pH between 6.2 and 7.2. To achieve this, acidic soil may need some lime, and alkaline soil may need some sulfur. This process takes time; apply these materials to your garden soil in autumn and, by the following spring, your soil pH will be fully adjusted.

Source: www.lowes.com, www.horticultureguy.com - Brenda Weaver

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Rabies Clinic
9a - 3:30p, Saturday,
November 22, 2014.
At the Animal Clinic on
Richmond Road, Irvine
Dr Linda Grimes, Vet.

Stickeler's Puzzle

STICKELERS [sic.]
by Terry Stickels

You have a bag with 6 black cubes and 3 white cubes. Without looking when you make your selections, what is the probability of choosing 2 black cubes in a row?

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Stickeler's Answer on Page 11

PAINTED ROOFING METAL
We offer 16 colors of our #1 grade metal roofing tin cut to the inch. Now with a 40-year warranty, this ensures a roof that will last for years. We also have 29 gauge Galvalume. We carry all metal roofing accessories! Phone in or Fax orders welcome Call 606-593-7080 • Fax 606-593-7071 or stop by **Wolf Creek Metal** Open five days for your convenience Mon.-Fri. 8am-5pm **LOCATED** 1.5 miles south of Booneville, KY on Hwy. 11 in the Lone Oak Industrial Park

Wishing Well®

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

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: E equals T

O PIC CLSSDZOHB POER CQND
YIF EQQER GIOH, YLE NK
FDHEOCE SOHIJJK BQE EQ ERD
ZQQE QS ERD GZQYJDN.

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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.

GZX HZSNGXHG BOHGUWVX
AXGJXXW GJS ISLXH
YULXH U TXNDXVG HTXXVZ.
— S.U. AUGGOHGU

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Puzzle Answers

November 19, 2014

Puzzles4Kids
Answer

SLEUTH	H	LUTES
REHEAT	E	EARTH
GREENS	G	SNEER
STABLE	A	BELTS
VARIES	V	RAISE
NOTICE	E	TONIC
TAVERN	T	RAVEN
ASTRAY	A	TRAYS
STENCH	N	CHEST
KNIVES	K	VEINS
SKATES	S	STEAK

FEAR & KNIGHT
answer

N	O	R	T	H
E	A			
P	A	W	N	
H		O	B	O
E		T	U	P
W	I	G	T	H
		E	G	D
		A	S	H
		R		

Letter Box
Solution

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

SMALLEST U.S. CAPITAL CITIES

Even Exchange
answers

- Stroll, Scroll
- Think, Thing
- Candy, Cindy
- Short, Shirt
- Police, Policy
- Crows, Crown
- Libson, Liston
- Brainy, Brawny
- Whale, Whole
- Harpo, Harps

Weekly SUDOKU
Answer

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

King Crossword
Answers
Solution time: 21 mins.

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

CryptoQuip
answer
I was suffering with some bad tooth pain, but my dentist finally got to the root of the problem.

CryptoQuote
answer
The shortest distance between two jokes makes a perfect speech.
— O.A. Battista

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

ANSWERS : (1) Thessalo-
Voluntary; (5) Fish's belly; (6) Paul
nians; (2) Bread/wine; (3) Palm; (4)