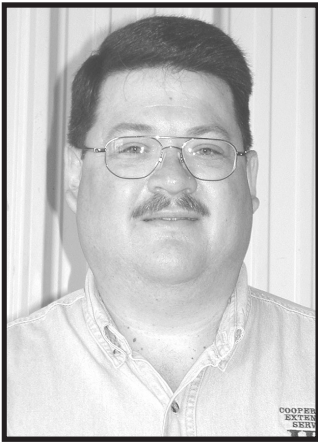


Summer heat can stress farm animals too



Eric Baker
Estill County Extension
Agent for Agriculture
& Natural Resources

Summer heat and humidity is with us this week. We have the "air that you wear" for sure. Like humans, livestock are feeling it too. Producers should have options to keep livestock thriving in the summer heat.

"When you get a combination of heat and humidity, it can cause concern for livestock," said Matthew Dixon, agricultural meteorologist for the University of Kentucky College of Agriculture, Food and Environment. "We go by what is called a 'livestock heat stress index' to determine what level of concern farmers and pet owners need to have for their animals."

The index helps producers know when heat stress could create a problem for their animals so they can be even more vigilant in making sure animals have the necessary resources to combat and withstand the conditions. The state has already experienced days in the dangerous and emergency livestock heat stress categories.

"The most important thing producers can do is provide cool, clean water and shade," said Jeff

Lehmkuhler, UK beef specialist. "It's also a good idea to avoid working or transporting animals during periods of danger or emergency heat stress."

Horses have difficulty regulating their body temperature when temperatures exceed 90 degrees. If humidity is high, the temperature doesn't even have to reach 90 degrees to make life uncomfortable for horses.

"Horse owners can reduce heat stress by scheduling activities during the cooler part of the day and making sure horses have plenty of water," said Bob Coleman, UK equine extension specialist. "If you do transport horses during the cooler part of the day, give water before, during and after transportation to reduce the risk of dehydration."

Coleman added that even non-working horses will double their water intake during hot weather.

Owners should allow them to drink often to help maintain water balance.

"If you let them drink often, it can relieve the horse's urge to drink a lot of water after exercise, and they need to gradually drink after a workout," he said. "Also, remember lactating mares have special water requirements, because they are using water for milk production as well as body temperature regulation."

Hot weather also increases horses' need for salt, because they lose the mineral during sweating. For dairy cattle, it is important to keep buildings as open as possible to allow air to circulate. Fans can make a big difference, and sprinkler systems that periodically spray a cool mist on the animals are also beneficial.

Poultry are especially prone to heat stress. Mortality during extreme heat can be significant,

and egg production and hatching rates can drop. "Since the birds don't have sweat glands to help get rid of excess body heat, they have to pant to cool down," said Jacquie Jacob, UK poultry extension project manager.

"It's important to make sure chickens are in well-ventilated areas and they have access to clean, cool water at all times."

The UK Agricultural Weather Center provides statewide and county-specific weather information, alerts, livestock heat stress conditions and more. The internet address is <http://www.wagwx.ca.uky.edu/>

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

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These horses spent Thursday afternoon leisurely grazing alongside the roadway on Harris Ferry Road in northern Estill County.

Wishing Well®

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

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: R equals D

D DMFDKOR KGO PVJEM KV GOTX JO
QBO KGO SUVPC EU COSEQBO D
RDRM'K PEMK KV TOFOU ETVMO.

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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.

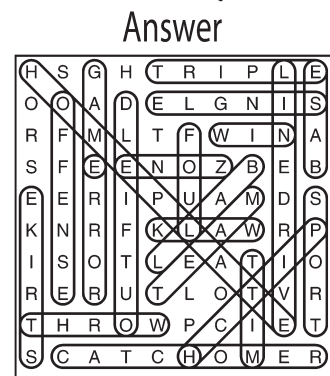
BND PHB YKGFYI TKL BNDI
ZYHSY NI ADB KG: TKL KG, AB
IYXKXGHL SY GN YUKR; ADB KG,
AB SNPZINPKXY TKGF YUKR.
— MNFL IDXCKL

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Puzzle Answers

July 8, 2020

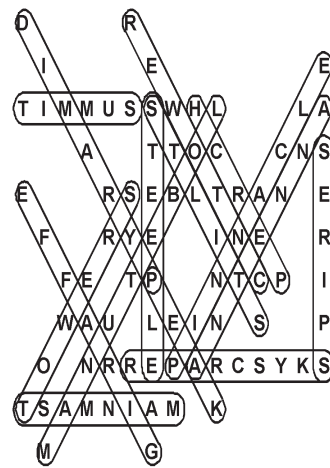
Puzzles4Kids



Riddle Answer:

Short slop.

LOFTY



Letter Box

Solution

T	W	I	U	A	P	N	G	O
O	P	G	N	T	W	I	A	U
U	N	A	I	G	O	W	P	T
G	T	W	P	U	A	O	N	I
A	I	U	W	O	N	P	T	G
N	O	P	T	I	G	A	U	W
W	A	O	G	N	T	U	I	P
P	U	T	A	W	I	G	O	N
I	G	N	O	P	U	T	W	A

FEAR & KNIGHT



Even Exchange

answers

1. Thank, Think
2. Rebate, Debate
3. Shock, Spock
4. Plaid, Plain
5. Borrow, Burrow
6. Wager, Eager
7. Diver, Dover
8. Create, Crease
9. Ample, Amble
10. Embark, Embank

King Crossword

Answers

Solution time: 27 mins.

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

Weekly SUDOKU

Answer

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

Bible Trivia Answers

"Test Your Bible Knowledge," with 1,206 multiple-choice questions by columnist Wilson Casey, is available in bookstores and online.

The Garden Bug

Night blooms
Flowers that are visited by night pollinators typically grow in clusters, open up in late afternoon or in the evening and are usually white or very light-colored. They are usually heavy with fragrance and copious nectar producers. Moonflowers, tobacco, yucca, datura, four-o'clocks, night phlox, tuberose, japanese wisteria and gardenia are just a few of these types.—Brenda Weaver

Sources: www.countryliving.com, www.fs.fed.us

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Birding BITS

BY Cindy Brook

Cardinal Babies
I saw my first female cardinal baby of the season. While baby females look similar to adults, it is easy to tell who the parent is and who the baby is. One difference is babies have a black beak. Also, they are so new and fresh and bright-eyed. I love watching birds!

E-mail: birdingbits@cfl.rr.com
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Stickeler's Answer

Stickelers Answer
The answer for 5) is wrong. It should read "guerrilla."

Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH

Answers

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

didn't want to level alone.
use the crowbar because I invited the woman to help me

answer
CryptoQuip

— John Ruskin
by compromise with evil.
peace or buy it; win it, by You may either win your

answer
CryptoQuote

Bible Word Search on Page 7

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