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Summer heat can stress farm animals too

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 ex-

tension 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. To view the index for a specific location, go to <http://www.wagwx.ca.uky.edu/> and click your specific location from the Kentucky map you see.

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Wishing Well®

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

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: K equals L

RD UDT YTIDYV FXV MGZFDHU

FXGF JGPTMGZFTHVY YKVVIEPW

IEKKY JEWXF AV RVEWPGFVR

G YKTJAVH JEKK?

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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.

SVG NRUG XWE VCTG NGI

IWGBY'S YGGI SW AG SVG

WYNX NRUG XWE VCTG.

— CYYC ZERYINGY

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County fair runs July 13th-20th & July 27th Estill County Fair showcases agriculture!

County fairs are a great community event that showcase agriculture and has loads of fun for the entire family. Each event requires many dedicated fair board members and volunteers to make the event pleasurable for those attending. I for one would like to say "thank you" for all those who help make the Estill County fair a success each year.

The Estill County Fair is scheduled for July 13th through July 20th at the Estill County fairgrounds on South Irvine Road. I will highlight some of the agriculture activities occurring at the fair: July 15th is the poultry show (6:30 p.m.). July 16th you can enter 4-H and open exhibits at the Exhibit Hall (10 a.m. to 7 p.m. for

4-H, 1 p.m. to 6 p.m. for adults). July 17th is the swine show (5 p.m.). July 19th is the open tractor driving contest (1 p.m.). July 20th is the open sheep show (10 a.m.), and meat goat show (1 p.m.). The exhibit hall will be open for viewing on Thursday and Friday 3:00 p.m. to 9:00 p.m. so come see the winning entries. Many other events are planned for all ages including carnival rides. The cattle show has been moved to July 27th (unaltered show at 4 p.m., regular show 6:30 p.m.) so mark your calendars.

If you are interested in participating or being a spectator, details are listed on our webpage so visit <http://estill.ca.uky.edu/> then click on the "county fair" tab.

You can also find Estill County Fair information on Facebook or their webpage (estillcountyagriculturalfair.com). We hope to see you at the county fair!

2019 Estill County Agricultural FAIR



Maria Merian was born in Frankfurt, Germany in 1647. From a young age she studied plants and insects and created highly detailed illustrations of their appearance and life cycles. She documented the nature of metamorphosis which contradicted contemporary ideas about how insects developed. She went on scientific expeditions to pursue her work at a time when these were normally undertaken only by men. — B. Weaver

Source: www.botanicalartandartists.com

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Birding Bits BY Cindy Brook
Birding by Ear
If you want to bring your birding expertise up to a new level, learn how to bird by ear. I listened to the Stokes "Field Guide to Bird Songs" over and over to help cultivate this skill. Many birding sites have bird-calls as well. Give it a try!

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



Here's an original alphabetic for puzzle solvers. Each letter represents a number between 0 and 9. A zero can never begin a word. In this particular alphabetic, all 10 digits are used, and there are two solutions.

Here are a few clues: A = 7, C = 3 and E = 6 in both solutions.

MENTAL
+ MUSCLE
HEALTH

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Stickeler's Answer on Page 11

Sammy's Furniture

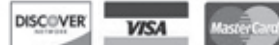
722 Main Street, Ravenna • 723-6562
Open MON-FRI 9-6 and SATURDAY 9-5

- Tables & Chairs (We do special orders!)
- New Mattresses and Box Springs
- New Bedroom Suites
- New Living Room Suites
- New Recliners & Lift Chairs

NO CREDIT? BAD CREDIT? NO PROBLEM!
EASY FINANCING BY

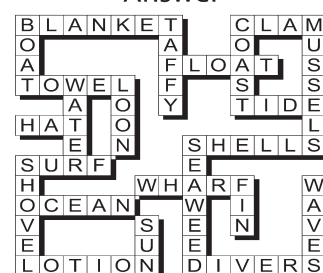
MERCHANTS PREFERRED
LEASE PURCHASE SERVICES

Free Delivery & Set Up



Puzzles4Kids

Answer

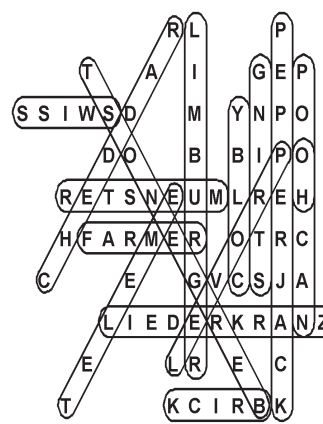


Letter Box

Solution

F	U	D	A	E	C	P	R	O
P	R	O	U	D	F	A	C	E
C	A	E	O	R	P	D	F	U
E	O	P	R	F	U	C	D	A
R	C	U	D	O	A	E	P	F
A	D	F	P	C	E	U	O	R
U	E	R	F	P	D	O	A	C
D	F	C	E	A	O	R	U	P
O	P	A	C	U	R	F	E	D

AMERICAN CHEESES



CryptoQuip

answer

Do you suppose the factory that manufactures sleeping pills might be designated a slumber mill?

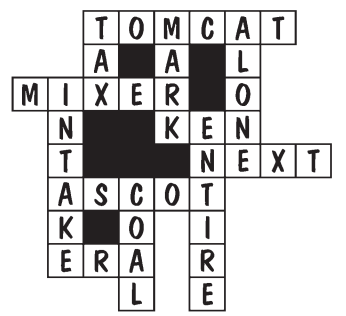
CryptoQuote

answer

The life you have led doesn't need to be the only life you have. — Anna Quindlen

FEAR & KNIGHT

answer



Even Exchange

answers

1. Apiary, Aviary
2. Paris, Parts
3. County, Bounty
4. Maize, Maine
5. Parrot, Carrot
6. Sprain, Strain
7. Giant, Grant
8. Tables, Tablet
9. Lefty, Lofty
10. Front, Frost

Weekly SUDOKU

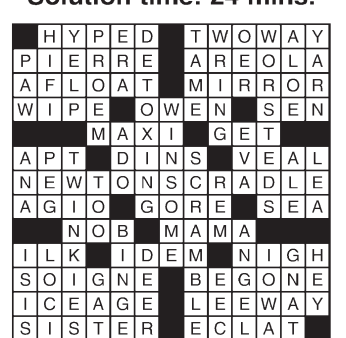
Answer

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

King Crossword

Answers

Solution time: 24 mins.



Bible Trivia Answers

Now available by Wilson Casey! 2017 Bible Trivia box calendar loaded with daily teasers.

ANSWER: (1) Neither; (2) Love; (3) Liberty; (4) Son; (5) Romans; (6) 9; (9) 0