Livestock Owners Prussic Acid Caution



Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

With cool weather in the forecast, livestock as johnsongrass, sudan- concentrations of prusplant. The amount of tential for poisoning; the compound in a plant depends on one or more hay or grain before al- cutting hay very short, or at www.eliteheifer.com factors including the size lowing them to graze for- overgrazing so that cattle where a link for required and variety of the plant, ages which may contain have to eat the lower stem paperwork to be comwhether drought conditions are present, and the ducing the amount con- cause more intake of ni- order to bid online. Conextent of physical damage sumed. Do not graze at trate and signs similar to tact the Bourbon County caused by frost. When an night when frost is likely; animal eats plants containing high levels of the the chance for prus- in hay; compounds, prussic acid sic acid because slowed poisoning results. Prussic growth and the inability grass or sorghum-sudanacid interferes with oxy- of the plant to mature fa- grass for hay, it is safe gen utilization.

Specialists and Ruminant the leaves; Veterinarian have devel-

duce prussic acid poison- killing frost; ing in livestock:

especially dangerous low in phosphorus and whether they are wilted because the plant cells potassium) tend to have or not. After storms alactually rupture allow- more prussic acid poten- ways check pastures for ing prussic acid to be re- tial. Splitting nitrogen leased. Do not graze until applications will reduce well after the entire plant the risk of toxicity. Her- contact the Estill County and new shoots are killed bicides such as 2,4 D can Extension office at 723and have turned brown also increase prussic acid (dry). New forage growth for several weeks followfollowing drought or frost ing application; is dangerously high in prussic acid. Wait at least plants high in prussic acid 7 days after a killing frost will reduce toxin levels if to allow the cyanide to properly cured. However dissipate;

producersneedtobeware much more prussic acid tremely high before cutof the potential of prus- than stems, especially ting. If in doubt, analyze Bred Heifer Sale on Monsic acid poisoning after a young upper leaves. New suspect forages before day, November 2, 2020 at frost. Certain plants, such shoots often contain high feeding; grass, and sorghum-su- sic acid. Never graze sor- sorghum-sudangrass hy- in Paris. Inspection will dangrass hybrids contain ghums or sorghum-cross brids also have the poten- be held from 1:00-5:00 cyanide-producing com- plants less than 15 inches tial for nitrate accumula- p.m. with the sale to bepounds that are released tall ("knee high") to sig- tion, especially during gin at 6:00 p.m. A virtual with frost damage to the nificantly reduce the po- drought conditions. Ni- sale option will be avail-

5) Do not graze until any prussic acid; and

oped several tips to re- two weeks after a non-

1) Frost/freezing is high nitrogen soil (and cess to wild cherry leaves

7) Chopping or ensiling dangerous levels of prus- Livestock Improvement 2) Leaves produce sic acid may remain if ex-

trate tends to accumu- able and information is 3) Feed hungry cattle late in the lower stem, so located on the website prussic acid therefore re- bases (the "stubble") can pleted prior to the sale in prussic acid poisoning. Extension office at 859-4) Drought increases Nitrates can persist even 987-1895 for more infor-

9) If you cut Johnson vors the formation of cya- from prussic acid poison-UK Extension Forage nogenic compounds in ing because the hay curing process neutralizes

10) Wild cherry leaves contain the cyanide com-6) Plants grown in pounds. Do not allow acfallen limbs.

> For more information, 4557.

ELITE BRED HEIFER SALE

The Bourbon County Association will hold their 30th Annual Elite the Paris Stockyards, lo-8) Johnson grass and cated at US Hwy 68 North mation.

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stalks are eaten as vegetables, this plant is easily **Butterbur** grown in shady areas where the soil is moist, such as along the banks of bogs, ponds, streams or water gardens. If it is grown in full sun, its leaves will wilt on hot days. Also known as *sweet coltsfoot*, its fragrant, yellowish-white flowers appear in spring before the leaves appear. Its leaves were once used to wrap butter in hot weather, hence its name. - Brenda Weaver



Twilight Feeding After I bring my feeders in for the

night, I like to toss millet on the

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2	7	5	7	5	2	4	8	6	5	8	2	3
Т	L	0	0	В	R	F	Е	Κ	S	Х	U	В
8	5	7	2	6	5	2	4	8	4	2	4	7
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5	7	3	5	6	8	2	7	4	2	4	6	2
С	U	Е	L	Е	С	S	Ρ	I	R	Ν	Ρ	Е
3	5	4	3	2	6	4	2	6	8	4	6	2
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5	7	5	3	2	5	8	6	4	5	4	5	7
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5	3	6	5	3	7	6	2	5	4	3	2	3
V	T	S	Е	S	L	Ι	Е	D	L	1	D	V
8	4	6	8	6	7	4	3	8	6	4	6	8
0	0	Μ	W	Ρ	D	V	Е	1	L	Е	Е	Ν

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: J equals D

CX PRRMLHPCM EMPT PVXSC P RXY FPTLMGC, VSRV ZTXYMTG ZPLM P GCPCM-XE-CFM-XIHXI PJJTMGG.

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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.

EWDKD FI LZEWFLV RFCD KDEJKLFLV EZ Y ORYBD EWYE KDXYFLI JLBWYLVDM EZ AFLM EWD UYNI FL UWFBW NZJ NZJKIDRA WYSD YREDKDM. – LDRIZL XYLMDRY ©2020 King Features Synd., Inc.

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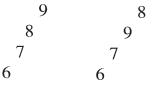
September 30, 2020

ource: www.missouribotanicalgarden.org

Stickeler's Answer

Stickelers Answer

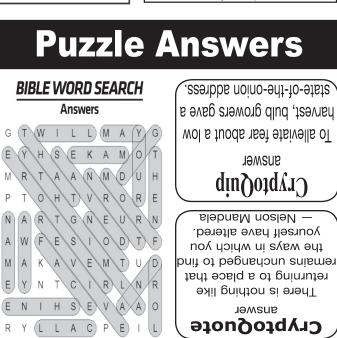
The number on the left is the largest, and the number on the right is the second largest.



Stickeler's Puzzle on Page 7







Bible Word Search on Page 7



LEASE PURCHASE SERVICES

VISA

ground near brush cover. This gives the birds a last chance to fill up before it gets dark. Cardinals always come, and so do brown thrashers and doves. It's a very peaceful setting.

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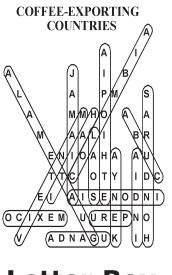


Puzzles4Kids

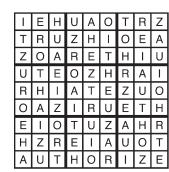
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What is black and white and red all over?

A sunburned penguin.



Letter Box Solution



	answer										
					A						
					R	Α	S	Ρ			
Α	S	Y	L	U	Μ		U				
	Μ						Ρ				
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	T	0	Ρ			W	R	Y			
	E		Ε		R	0	В	Ε			
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FEAR®

Even Exchange

1.	Mid	ldle,	Mu	ddle	6	6. E	Bacon, Baton							
2.	2. Pleat, Plead								Design, Resign					
3. Smear, Swear								s. (Crush, Brush					
 Alter, After). 7	۱mb	er, I	Emb	er		
5. Proper, Propel). E	Brar	dy,	Bra	ndo		
	— King Crossword — Answers Solution time: 27 mins.													
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Е	R	Ν	Е		Е	Ι	D	Е	R	S		
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L	0	Y		Α	D	D		Е	Ρ	Е	E	S

Weekly SUDOKU

Answer

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

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

5) Gamaliel; 6) Rachel He asked to; 3) Leah; 4) Ahaz; AUSWERS 1)) Neither; 2)