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Preventing Grass Tetany in Cattle

in their third to fifth lactation. Several factors contribute to the increased incidence of tetany at this time. The magnesium requirement of cows doubles from late gestation to early lactation (from 9 grams to 21 to 22 grams). When this rapid change in magnesium needed by the cow is coupled with lowered magnesium in the plant, along with certain components that lower the availability of magnesium (such as high applications of nitrogen and potassium fertilizers), tetany can develop. Weather can also have an effect; the greatest threat is when temperatures are between 40oF and 60oF. Temperatures in excess of 60oF for a week markedly decrease the incidence of tetany. When all of these factors are combined, the risk can be high.

ease progresses, they may exhibit extreme nervousness, rapid breathing, and muscle trembling. They might become aggressive and charge anyone in the pasture. In the most severe stage, the animal collapses to the ground with muscular spasms. Treatment must be given rapidly as death can occur within an hour after the onset of convulsions. Consult a veterinarian about treatment procedures.

As a producer, you should be concerned with preventing tetany. About 2 ounces of magnesium oxide (22 grams of magnesium) is recommended to meet the magnesium needs of lactating beef cows. Since legumes are higher in magnesium than grasses, feeding cows legume hay during the early spring may supply some magnesium. Cows grazing spring grass pasture should have magnesium in the mineral mixture;

in "high risk" situations, it may be supplied in a supplement. Many commercial mixtures are available in various forms to prevent tetany. Before you make a purchase, determine if the product will give adequate magnesium intake. This depends on the magnesium content and the expected consumption of the product. Both should be listed on the tag. If it appears that magnesium intake will not be adequate, a product with more magnesium or greater intake should be used. In "high risk" situations where tetany is a frequent problem, it might be necessary to force feed the daily magnesium needs. Magnesium oxide can be included in a grain or protein supplement.

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Wishing Well®

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

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: L equals O

VS Y GVBAR GWQW BQYKWMVCN
KWQZ SYEB, OL ZLD EDFFLEW ERW
HVNRB JW LC Y ELCVA JQLLH?

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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.

JPA IYPAOX KCS C UCVVOK!

JPA BCR'S MK ICX ZV JPA

KCS C UCVVOK!

— OCAWKR HJWCBOK

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Farmers Should Document Flood Related Damage

Estill County is in the midst of significant flooding this week. Our heart goes out to everyone who is affected by this disaster. Many farmers have flood damage and debris that will have to be removed from the fields.

After previous discussions with USDA Farm Service Agency (FSA), it is suggested that farmers document damage with pictures, labor and repair receipts, third-party witness statement, and other records that can help prove the loss. If and when any

USDA assistance program is made available, proper documentation will be necessary.

One source of helpful information is the Extension Disaster Education Network website at <https://extensiondisaster.net/>

For questions on USDA disaster programs, farmers can contact the Madison County FSA at 859-624-1980. Above all, please be safe in dealing with any flooded areas and debris cleanup.

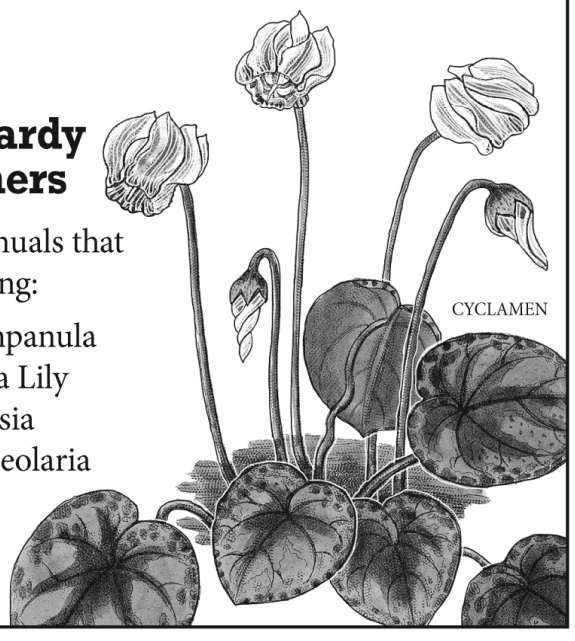


Cold-hardy bloomers

Here are eight colorful annuals that you can plant in early spring:

- Senetti pericallis
- Campanula
- Cyclamen
- Calla Lily
- Ranunculus
- Freesia
- Dianthus
- Calceolaria

— Brenda Weaver
Source: www.costafarms.com



CYCLAMEN

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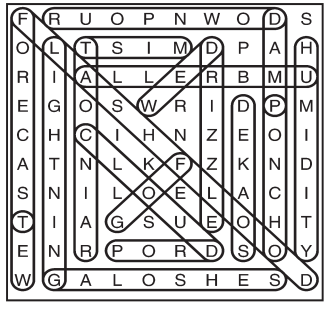
Birding BITS BY Cindy Brook
Pine Warblers
A pair of pine warblers is coming to my yard. Cornell Lab describes them as "yellowish birds with olive backs, whitish bellies and two prominent white wingbars on gray wings." They hang around all day eating from a peanut seed cake I have hanging in my yard.

E-mail: birdingbits@cflrr.com
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Puzzle Answers

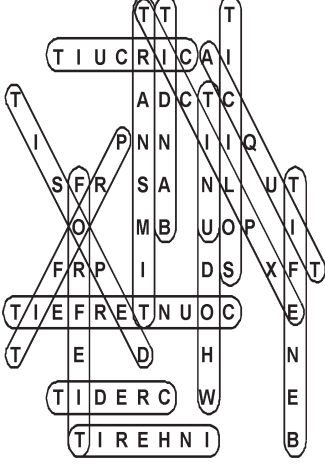
March 3, 2021

Puzzles4Kids Answer



Riddle Answer:
Sprinkles.

"IT" WORDS



FEAR KNIGHT answer

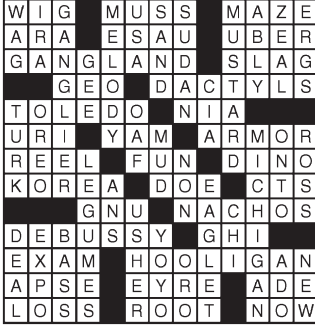


Even Exchange answers

1. Athens, Athena
2. Croon, Crook
3. Pride, Price
4. Spine, Shine
5. Detail, Detain
6. Betsy, Betty
7. Other, Otter
8. Fallon, Gallon
9. Sharp, Shark
10. Patron, Patrol

King Crossword

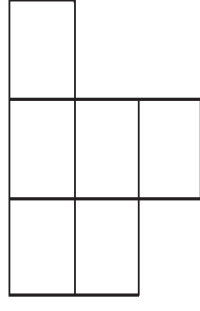
Solution time: 25 mins.



Stickeler's Answer

Stickelers Answer

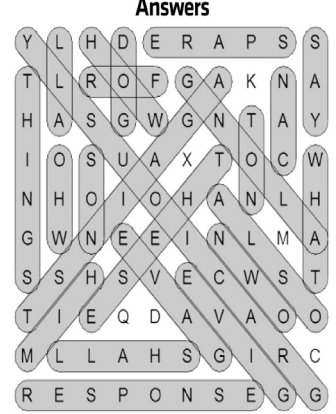
View 3 is wrong. It should look like the blocks on the right:



Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH



Bible Word Search on Page 7

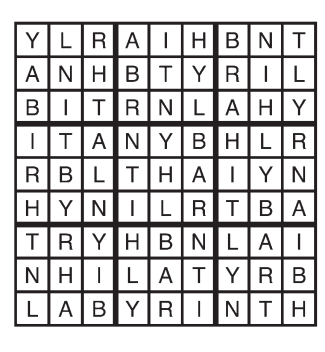
might be on a sonic boom?
Very fast, do you suppose she
If a witch were traveling
answer
CryptoQuip

— Lauren Myracle
eat a waffle!
You can't be sad if you
You should eat a waffle!
answer
CryptoQuote

TIGER



Letter Box



Weekly SUDOKU

Answer

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

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