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Testing Your Hay is Important

forages especially if you buy the hay. Then, you can match forage quality to livestock who have diverse nutritional needs and different management requirements that are influenced by age and stage of production. This will help you get the best performance from animals whether its reproduction, rate of gain or milk production. Another reason it's important to know forage quality is to be sure you will have enough feed to get through the winter. After you have forages tested, take an inventory of them and livestock to be sure you'll have sufficient feed.

Winter feed comprises about one-half of the total feed costs for a beef herd. Thus, it's desirable to develop a feeding and management plan to carry the cow herd through the winter at the least cost. You also might want to separate the herd into groups with similar nutrient and management requirements. This will keep you from over- or under-feeding cattle and

wasting feed dollars. Testing forages also lets you discover what the most limiting nutrient is so you can develop the most economical supplementation program. If energy is the most limiting nutrient and you add protein, you won't get any response for the money spent.

Another benefit of forage testing is that it helps you develop a feeding pattern to meet animals' nutritional needs based on their age and stage in the production cycle. In the fall, for example, there's still some pasture left and beef cattle nutritional needs are low so you can feed lower-quality forage. However, their needs dramatically escalate as calving time approaches; so four to six weeks before calving, go to the highest quality forage and continue until pasture quality and quantity can meet cows' nutrient needs and you can shift them over to pasture. This is assuming that the cows were in good flesh in the fall.

One common misconception is that cattle will

eat more low-quality forage if they need it. This simply isn't true. Cattle eat less low-quality (high fiber, mature) forage because it is slow to digest and slow to pass through the animal. As a result the digestive system is always full and the animal won't eat more. Conversely, beef cattle will eat more high-quality forage because they digest it faster and it moves through them more quickly. You'll have a higher level of performance when cattle eat more quality forage.

Having forages tested will let you know how much cattle will eat and whether a supplement is needed. For more information on hay testing, animal nutrition or ration formulation, contact me at the Estill Cooperative Extension Service at 723-4557.

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Livestock producers have a number of economic reasons to have forages tested before the winter feeding season begins. Knowing forage quality will help maximize animal performance, provide sufficient feed, and lower input costs.

Most livestock producers have forages with different qualities on their farm because there's a tremendous variation in the quality of forages harvested at diverse stages of maturity. Plus, weather damage and the species itself can affect forage feeding quality.

By having forages tested, you will know the quality of the different

Wishing Well®

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

JAN CGC VTUNZ JR YNVXN JAN
PRCXNCJ, LGJ TAN IRGCZ KJ
ZKIIKPGYJ JR TAVUN JAN AVLKJ.

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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.

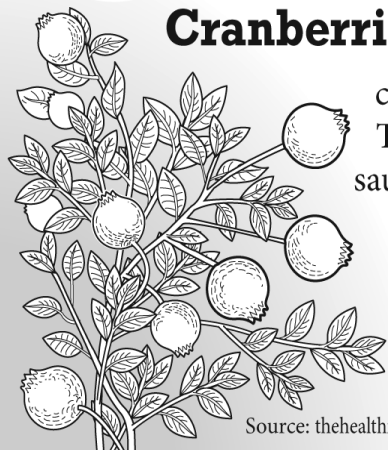
W'V O NWPV SQUWQAP WI,
RILQ TRX KMOPM LYOKWIF
ODOPCK, MYQT FR ODOT.
— UWI-VOIXQU VWPOICO

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Sassamanash (the native American word for this autumn fruit) grows in boggy areas on evergreen shrubs up to 7 feet long and 2-8 inches high.

Cranberries



In his 1588 book *The Land of Virginia*, Thomas Hariot describes local tribesmen offering gifts of containers of cranberries to Europeans. The first published recipe for cranberry sauce appeared in the Pilgrim Cookbook in 1663. Appreciation for this fruit grew, and in 1703 fresh cranberries were served at the Harvard University commencement dinner.

— Brenda Weaver

Source: thehealthmoderator.com



BIRD Gratitude

B is for the unique Beauty every bird has.
I is for the Interesting calls and the songs they sing.
R is for Red birds that faithfully come to our yards.
D is for our joyful Days because we love birds!

E-mail: birdingbits@clrr.com
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Sanitation is key to reducing disease pressure in fruit plantings

Autumn has arrived in Kentucky, and it is time to focus on fruit, orchard, and vineyard sanitation. Good sanitation practices can help reduce disease-causing pathogens. Good sanitation practices can help reduce disease-causing pathogens. These organisms can survive for months or years on dead plant material or in soil, causing infections in subsequent years. Elimination of disease-causing organisms reduces the need for fungicides and can improve the effectiveness of disease management practices.

Following these sanitation practices both in autumn and throughout the growing season can reduce disease pressure in home and commercial fruit plantings: 1) remove diseased plant tissues from infected plants (prune by making cuts well below visible symptoms and clean tools between each cut with a sanitizer, such as rubbing alcohol or household bleach); 2) rake and remove fallen buds, flowers, fruit, twigs, and leaves (discard diseased fruit since it can serve as a

source of inoculum in subsequent growing seasons); 3) above and below ground portions of severely infected trees, bushes, and vines should be completely removed and destroyed; 4) all discarded plant material should be burned, buried, or removed with yard waste (do not compost diseased plant material); and 5) remove weeds, including roots, which may serve as alternate hosts for pathogens.

For more information, contact the Estill County Extension office at 723-4557 or visit UK Horticulture Kentucky Pest News website at <https://kentuckypestnews.wordpress.com/>.

Quarles announces seven county fair grant awards

The Clark County Fair is among seven Kentucky county fairs boards that were awarded more than \$300,000 from the Kentucky Department of Agriculture (KDA) for new construction projects, Agriculture Commissioner Dr. Ryan Quarles has announced.

"Every year I get the unique honor of announcing grants to local county fair boards for infrastructure improvements," Commissioner Quarles said. "These grants will enhance the places where we gather for county fairs, livestock shows, and other events when the time comes."

The amount and the recipient of each grant includes:

- \$100,000 to the Carroll County Fair for a new building;
- \$73,582 to the Trimble County Fair to improvements to the livestock ring,

horse arena and demo-derby area;

- \$40,500 to the Purchase Area Fair in Graves County for building and fence repairs;
- \$25,000 to the Tollesboro Fair in Lewis County for paving, electrical, fencing and lighting upgrades;
- \$23,250 to the LaRue County Fair for roof and electrical upgrades and fence repairs;
- \$20,960 to Clark County Fair for public announcement system and electrical upgrades; and
- \$17,732 to Ballard County for a new roof and stage.

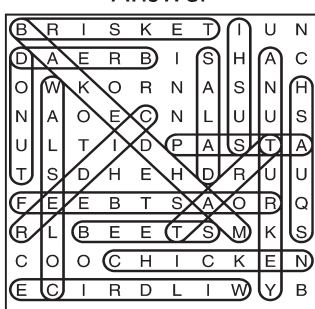
Each grant will fund 75 percent of the total cost of the project, with the local fair board matching the other 25 percent. Each project must be started within 90 days of the date the project was awarded and must be completed within nine months.

Puzzle Answers

November 11, 2020

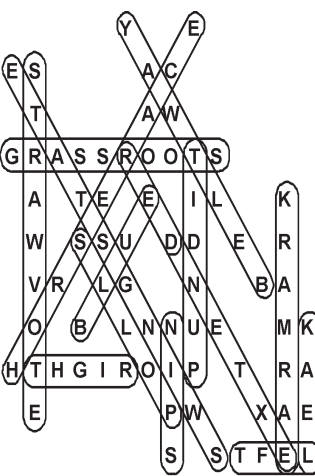
Puzzles4Kids

Answer



Riddle Answer:
Unicorn on the cob.

POLITICAL JARGON



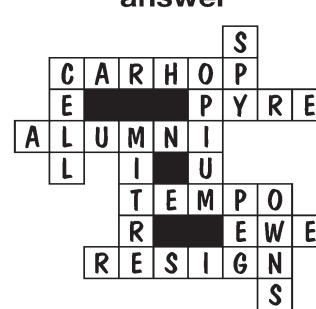
Letter Box

Solution

T	I	Q	Z	O	L	C	Y	U
Y	L	U	T	I	C	O	Q	Z
C	O	Z	Y	Q	U	I	L	T
O	Z	T	Q	L	Y	U	C	I
U	Y	I	C	Z	T	L	O	Q
Q	C	L	I	U	O	T	Z	Y
I	T	Y	O	C	Q	Z	U	L
Z	U	O	L	Y	I	Q	T	C
L	Q	C	U	T	Z	Y	I	O

FEAR & KNIGHT

answer



Even Exchange

- answers
- Shore, Score
 - Thick, Think
 - Packer, Pucker
 - Genie, Genre
 - Umpire, Empire
 - Greek, Green
 - Mouse, Moose
 - Forget, Forged
 - Model, Yodel
 - Raking, Raging

King Crossword

Answers

Solution time: 27 mins.



Weekly SUDOKU

Answer

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

Stickeler's Answer

Stickelers Answer

Bill had four coins in his pocket — one penny, one nickel, one dime and one quarter.

Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH

Answers



Difficult to shake the habit.
convert, but she found it
The nun asked to leave the
answer
Cryptoquip

— Lin-Manuel Miranda
awards, they go away.
once you start chasing
I'm a firm believer in,
answer
Cryptoquote

Bible Word Search on Page 7

Bible Trivia Answers

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

ANSWERS (1) New; (2) Cherubim with a flaming sword; (3) Dinah; (4) Solomon; (5) Living; (6) Sheep