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To improve the reproductive efficiency, and thus profitability, of a beef cattle operation, you must understand proper heifer development. Properly managing yearling heifer reproduction is the first step toward reproductive efficiency.

Your goal is to manage heif ers so they'll conceive early by reducing the age of puberty, shortening the time from puberty to conception and increasing fertility.

According to Extension beef specialists, age at puberty is the most important factor in managing heifer reproduction. For puberty to occur, a heifer should weigh at least 67 percent of her expected mature weight. This percentage of mature weight is a heifer's "target weight."

Jarden

programs require that heifers ration to compensate.

reach the target weight by the

season. For maximum fertil-

must have at least one estrus

fertility increases about 20

percent from the first to third

estrus after puberty. Thus,

to reach puberty before the

management practice to re-

duce heifers' age at puberty.

Crossbred heifers, with a

genetic makeup of not more

than 75 percent of one breed,

have a significantly reduced

age at puberty compared to

straight-bred heifers. Cross-

bred heifers also have great-

er overall fertility resulting

Examine the cowherd

to determine the cows' ap-

proximate weights and use

these data to set the heifers'

target weights. Then, deter-

mine how much heifers must

gain daily to reach the target

weight. Once you determine

the necessary daily weight

gain, develop a ration that

provides the proper nutri-

ents to help heifers reach the

target weight. Periodically

weigh heifers to ensure that

they're gaining the appropri-

This native of Asia and Australia

was first introduced to North

America as an ornamental in

invasive in the southeastern U.S., and smothers native

Source: www.invasivespeciesinfo.gov, www.sfrc.ufl.edu

its vines and leaves.

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the early 1900s. It is considered

vegetation by blocking sunlight.

It increases fire risk by allowing fire to spread up trees along

lapanese climbing fern

from hybrid vigor.

Crossbreeding is another

start of breeding season.

Improving Reproductive Efficiency In Heifers

onset of their first breeding properly vaccinated accordity and reproduction, heifers recommendations.

Breeding is the final step before the breeding season in managing heifer developbegins. Research shows that ment. It's advisable to consider estrus synchronization and/orartificialinsemination. Some advantages of estrus it's logical to manage heifers synchronization are potentially higher pregnancy rates; heavier, more uniform calves at weaning; and increased production and labor efficiency. Using AI gives producers the ability to use supe-

Most calving problems origin.

Most heifer development ate weight. If not, adjust the occur when heifers have calves for the first time; thus, Also, be sure heifers are there is merit in using estrus synchronization and AI with ing to label and veterinarian bulls of proven calving ease on first-calf heifers.

Getting heifers bred as early as possible gives them more time to rebreed after calving. For more information about cattle reproductive efficiency or other cattle topics, contact the Estill County Cooperative Extension Service at 723-4557.

Educational programs of the Cooperative Extension Service serve all people regardless of race, color, sex, rior, more predictable sires. religion, disability or national

Wishing 🎥 3 S C Ε C G Ν 2 6 3 В 0 0 5 4 6 2 3 3 4 D Ε 3 5 5 D Ν R M 8 TOHHEE J R O 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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Order through February 20th

Fruit Tree Rootstock, etc.

The Estill Extension Service will be taking orders for apple and pear rootstocks this month. If you want to propagate a favorite apple or pear, grafting is one of the easiest ways to preserve that cultivar. To graft, you will need scion wood (terminal branch segments from last year's growth collected at the end of February) and a rootstock. If you do not know how to graft, come by the office for information or assistance.

We typically order Malling7 (55% of standard size) and/or MM.111 (80% of standard) semi-dwarf apple rootstock and a pear rootstock. Please place your order on or before January 23rd by calling 606-723-4557. The rootstocks usually arrive by the first week of March. Orders must be prepaid by February 20th.

In addition, we will take orders for strawberry, blackberry, blueberry, raspberry, asparagus, and Candy onion plants. Call our office for details. Plant delivery will be in early April. If you are interested, call the Estill County Extension office at 723-4557. Orders must be prepaid by March 13th.

Tuesday, February 27th

2014 Farm Bill Deadlines

The Secretary of Agriculture has announced the timeline that landowners and farmers have to make their decisions as part of implementing the 2014 Farm Bill. Landowners are responsible for making the decisions regarding reallocating base acres and updating yields. Producers decide to elect either the ARC-County, ARC-Individual, or PLC program.

February 27, 2015: Landowners have a one-time, irrevocable opportunity to reallocate base and update pay-March 31, 2015: Producers have a one-time, irrevo-

cable decision to elect either

(1) ARC-County or PLC on a covered commodity by covered-commodity basis OR elect

(2) ARC-Individual for all of the covered commodi-

ties on the farm.

Mid-April 2015 – Summer 2015: Producers sign contracts to participate in ARC/PLC for 2014 and 2015

Stickeler's Puzzle



Match the phobias on the left with their meanings on the right.

1. algophobia a. fear of heights

2. ergophobia b. fear of cold 3. androphobia c. fear of males

4. acrophobia d. fear of working

5. psychrophobia e. fear of pain

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(606) 643-5107 or (606) 643-5758 Stickeler's Answer on Page 11

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(Sliced is \$4.00 per Lb.)	¢ - 50 /
Ham Steak	350/Lb.
Ham Cutlets	\$3 ⁵⁰ / _{Lb} . \$3 ⁵⁰ / _{Lb} .
(Similar to cube steak, only ham)	
Bacon	\$4 ²⁵ / _{Lb.}
Jowl Bacon	\$ 3 50/
Pork Tenderloin	\$ 4 50/
Pork Chops	\$ 4 00/ _{1 b}
Spare Ribs	\$3 ⁵⁰ / _{Lb} .
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is LONGFELLOW One letter stands for another. In this sample, A is used

CryptoQuote

apostrophes, the length and formation of the words are all hints. Each week the code letters are different.

SJA LEJLSTPHO K'TWIBWP

ABZ ASTW ST KBHG JMP

ABZSHWRPJW, G.O., BZ B

OHPX PSBP RJTZ BEJMWG HW OHEOKTZ.

QJSW YBZJW DEJAW

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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: D equals E

RO P OVWDRSGDW BVXDK

RGCV P BRCT PGM RK PYY QT

URXKDYO, XRSUC UD QD BPYYDM

CUD YVGD KCWPGSDW?

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February 18, 2015

Answer

How do ranch workers get a lot of laughs?

They horse around.

Letter Box

Solution

В	М	R	Н	Υ	N	Α	D	1
D	Ν	Α	В	R	_	Н	Υ	М
Ι	Н	Υ	D	М	Α	R	Ν	В
Α	D	В	-	Ν	R	Υ	М	Н
M	Υ	Ν	Α	Н	В	1	R	D
R	_	Н	Υ	D	М	Z	В	Α
Н	В	М	R	1	Υ	D	Α	N
N	R	D	М	Α	Н	В	I	Υ
Y	Α	1	Ν	В	D	М	Н	R

— ROSE

BEAR® 3. HOPS A E SLURP $R \mid E \mid R \mid U \mid N \mid$ WED S L O W R H O | N | E | G | R | O | D

Even Exchange

1. Shiver, Sliver 6. Ellis, Elvis

2. Adapt, Adopt 7. Pewter, Pester Mutter, Matter 8. Nanny, Nancy

4. Genie, Genre Chase, Cease Brave, Crave 10. Raffle, Waffle

Weekly SUDOKU -

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

King Crossword **Answers**

Solution time: 25 mins.



Bible Trivia Answers

CryptoQuote

How prophetic L'Enfant was when he laid out

Washington, D.C., as a city that goes around in circles. JOHN MASON BROWN

CryptoQuip

If a foreigner comes into a city and is all by

himself, might he be called

Tax; 5) Wise; 6) Balaam Didymus; 3) Numbers; 4) ANSW/ERS 1) Old; 2)

the Lone Stranger?

Casey's trivia book "Know It? ... or Not?" is available from BearManorMedia.com