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Renovating High Traffic Areas

High traffic areas in pastures, such as feeding areas, sacrifice lots, alleyways, gateways and waterers, are often bare and muddy late winter and early spring. To slow and reduce soil erosion, compaction, forage damage, and weed problems, these areas need to be renovated promptly. Reducing these muddy areas is beneficial for animal health.

The ideal recommendation to renovate such areas is to fence it off to do a permanent seeding. This would allow a producer to use traditional forages such as fescue, orchardgrass, or Kentucky bluegrass. The problem many face is having to leave this area out of normal production for at least six months for these forages to establish well enough to graze. When a producer is not able to take the area out of production to

renovate, both perennial and annual (Italian) ryegrass are good options for spring ground cover and where high traffic areas are damaged every winter. Perennial ryegrass is more susceptible to summer slump than other cool-season grasses. However, with proper management (fertilization and rotational grazing) they usually survive for 2 years in KY pastures and provides high quality pasture. Annual ryegrass is a temporary fix, and usually dies out during KY summers. If using annual ryegrass for a spring cover seeding ask for Italian type varieties.

Renovating bare or muddy areas with annual or perennial ryegrass may be a good option for ground cover. These cool-season forages work well to renovate high traffic areas because they establish easier and more quickly than other common perennial forage species. They are frequently used as cover crops for row crop production. The dense, shallow root system not only reduces erosion but also improves soil aggregate stability, reduces current compaction by breaking up dense soils, and helps to prevent future compaction. Vigorous growth helps these forages to outcompete un-

wanted late summer and winter annuals.

Annual ryegrass is more vigorous than perennial ryegrass, but provides only short term grass cover. It will die out during the summer whether it is planted in the spring or the fall of the previous year. The advantage of late summer or fall planting, is high quality late fall and early spring grazing. Some producers mix annual and perennial ryegrass to obtain quick cover from the annual ryegrass and longer term survival from the perennial ryegrass. Spring seeding annual ryegrass is a temporary fix that usually only lasts 3-4 months. Seeding annual ryegrass in the early spring can be achieved by the same seeding methods as perennial ryegrass.

Establishment of perennial ryegrass is similar to that of other cool-season grasses. Drilling seed into a firm seed-bed is recommended for best seedling establishment. Perennial Ryegrass can be seeded in the late summer/fall (Aug 20 - Oct 1) or early spring (Feb 1 - Apr 15). It is suggested that seed be drilled into the soil for maximum success. Fertilizer and lime should be applied according to soil test results. Split applications of nitrogen (40-60 lbs/acre)

is beneficial for maximum pasture production. Using high quality seed of a variety suited for the intended use is important. Using a winter hardy variety is suggested as this species is not highly tolerant of extremely cold temperatures. Reduce competition from weeds and other unwanted species. If possible, keep livestock or heavy traffic off newly seeded areas for a month to allow for seedling establishment. Rotationally graze for maximum efficiency. Do not overgraze and allow for an adequate rest and regrowth period. In conclusion, annual and perennial ryegrass both offer a short term fix to high traffic areas, but perennial ryegrass has the advantage of surviving two seasons. For long term productive pasture stands, seed improved varieties of tall fescue, orchardgrass, and Kentucky bluegrass. (Source: UK Grazing News).

For more information about managing pastures and hayfields, contact the Estill County Extension office at 723-4557.

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Wishing Well®

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

FZ TE FITOFTE SJPZ DYI APBN QTK,

F MBPVWQP JP SYWOK DFAP NYW

T MFRRT JFV QFEK!

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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.

KZRDH KCQAEPW UBXRQBQ

REP B DHG REP B D PDXB

UBANBBH BGZXDACEH DHG

XDADQAPEYKB.

— K.M. NBOOQ

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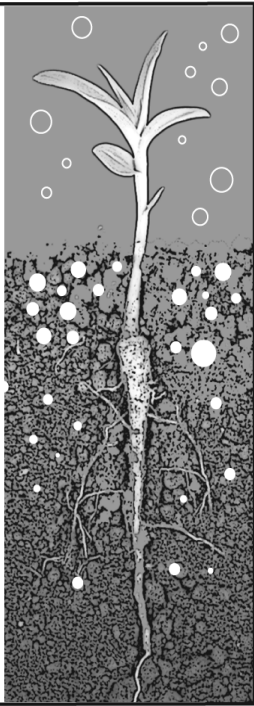


Soil nutrients

Plants require six primary nutrients: carbon, hydrogen, and oxygen, and nitrogen, phosphorus, and potassium, which are found in soil. Nitrogen is needed for leaf growth and making plants greener. Phosphorus promotes root development and also increases bloom and fruit production. Potassium, also known as potash, helps the plant fight off diseases and withstand extreme temperatures and ward off disease.

— B. Weaver

Source: www.almanac.com



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@cftr.com
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Farming News

Order by Friday, March 13th

Extension Service Plant Orders

The Estill County Extension Service will take orders for strawberry, blackberry, blueberry, raspberry, asparagus, rhubarb, and Candy onion plants until March 13th. Plant delivery will be in early April. If you are interested or have questions, call our office at 723-4557 or visit our Facebook page by searching for "Estill County KY Cooperative Extension". Plant orders must be prepaid by March 13th. Call 606-723-4557 for details.

Equal Opportunity Provider

Stickeler's Puzzle



by Terry Stickels

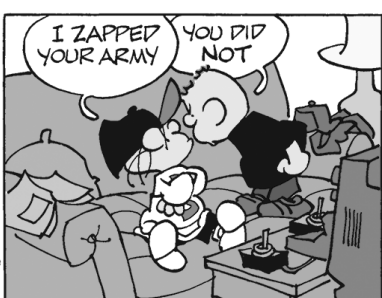
Unscramble the letter sets on the right to form the names of animals. Fill in the animal names in the spaces on the left. The first letters of the correctly solved animal names will spell out the name of another animal.

- AMLEC
- STORERO
- TEROT
- ACT
- CHORITS
- LOPHIND
- SENICT
- INOL
- PHENTALE

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Stickeler's Answer on Page 11

by BUD BLAKE



Puzzles4Kids

Answer

Why do frogs like St. Patrick's Day?

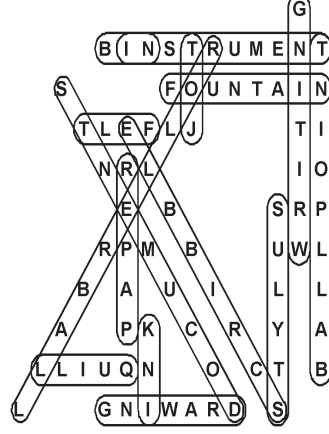
They are already wearing green.

Weekly SUDOKU

Answer

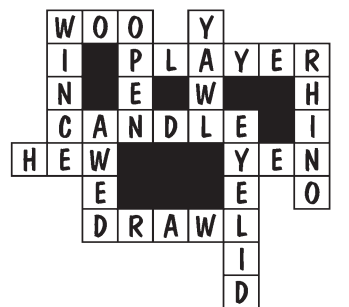
2	8	4	9	6	3	7	5	1
5	9	7	8	2	1	6	3	4
6	1	3	7	4	5	9	2	8
9	7	5	6	8	2	4	1	3
8	6	1	4	3	9	5	7	2
3	4	2	5	1	7	8	6	9
1	5	9	3	7	8	2	4	6
4	3	8	2	5	6	1	9	7
7	2	6	1	9	4	3	8	5

THE PEN



FEAR & KNIGHT

answer



Even Exchange

answers

1. Nibble, Nimble
2. Ankle, Angle
3. Davis, David
4. Change, Chance
5. Bully, Billy
6. Piston, Pistol
7. Empire, Umpire
8. March, Marsh
9. Cadet, Caret
10. Banker, Bunker

King Crossword

Answers



Letter Box

Solution

Y	L	R	A	I	H	B	N	T
A	N	H	B	T	Y	R	I	L
B	I	T	R	N	L	A	H	Y
I	T	A	N	Y	B	H	L	R
R	B	L	T	H	A	I	Y	N
H	Y	N	I	L	R	T	B	A
T	R	Y	H	B	N	L	A	I
N	H	I	L	A	T	Y	R	B
L	A	B	Y	R	I	N	T	H

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) Old; (2) Potiphar; (6) Boaz; (che); (4) Judges; (5) Hypocrites; (3) Ra-