

Eric Baker
Estill County Extension
Agent for Agriculture
& Natural Resources

Buttercups in Pastures

One of the signs that spring has arrived is when winter annual broadleaf weeds like henbit, purple deadnettle, and buttercup species begin growing rapidly. As a cool-season weed, buttercup is a plant that flourishes in over-grazed pasture with poor stands of desirable forages. In fact, many fields that have dense buttercup populations are fields heavily grazed by animals during the fall through the early spring months.

Buttercups are sometimes classified as short-lived perennials, but often grow as winter annuals. Plants typically produce five, shiny yellow petals in the early spring. There are four different species of buttercups that may be found in Kentucky: bulbous buttercup (*Ranunculus bulbosus*), creeping buttercup (*Ranunculus repens*), tall buttercup (*Ranunculus acris*) and small flower buttercup (*Ranunculus abortivus*). Although each of these plants may have somewhat similar flower heads, each of these buttercup species differs somewhat in their vegetative leaf characteristics.

New seeds are produced during the time petals are showy. If you wait until after flowers appear, it can be too late to implement control tactics. This is one reason buttercups can survive year to year and new plants emerge each year.



Buttercups in Pastures

Most buttercup plants emerge from seed during the fall or late winter months. Therefore, pasture management practices that improve and promote growth of desirable plants during these months are the best methods to help compete against the emergence and growth of this plant.

Whereas, livestock overgrazing fields during the fall and winter months is one of the main factors that contribute to buttercup problems. You can mow fields or clip plants close to the ground in the early spring before buttercup plants can produce flowers and that may help reduce the amount of new seed produced, but mowing alone will not totally eliminate seed production.

For chemical control, herbicides registered for use on grass pastures that contain 2,4-D will effectively control buttercup. Depending on other weeds present products that contain dicamba and 2,4-D (eg. Weedmaster), aminopyralid (eg. Fore-Front, Milestone), triclopyr (eg. PastureGard, Crossbow) or metsulfuron (eg. Cimarron) can also be used. However, legumes such as clovers interseeded with grass pastures can be severely injured or killed by these

herbicide products. For optimum results apply herbicides in the early spring (February-March) before flowers are observed, when buttercup plants are still small and actively growing. For best herbicide activity, wait until daytime air temperatures are greater than 50 degrees for two to three consecutive days. Consult the herbicide label for further information on grazing restrictions, precautions or other possible limitations.

For fields heavily infested with buttercup, you may need a variety of control tactics. Apply a herbicide to help reduce the population of buttercup plants in the spring, plus use good pasture management techniques throughout the year to help improve and thicken the stand of desirable forages.

For more information, contact the Estill County Cooperative Extension Service at 723-4557.

Educational programs of the Cooperative Extension Service serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expressions, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability.

Wishing Well®

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

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.

©2019 King Features Syndicate, Inc.

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: H equals E

KB TSAHS JT FHHL ITEFV ISTP

CHJJKBC VHYVKUF, MH MSH

YEE JTEA JT ASKBF YB TUHYB

PTJKTBLTJKTBL

©2019 King Features Synd., Inc.

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.

GDC SOMGDCM VC JCG

OVOK SMXY GDC BORN,

GDC JMCOCGM XQM

HRLCPQMHGK.

— DCRMK SXMN

©2019 King Features Synd., Inc.

Puzzle Answers

March 13, 2019

Puzzles4Kids

Answer

C	U	S	T	O	M	J	O	K	E	R	E	Q
O	M	U	N	D	O	U	N	D	I	D	E	U
T	S	L	A	N	D	G	L	A	R	I	G	S
F	A	S	H	I	O	N	S	U	I	T		
E	E	A	T	E	M	Q	U	L	C	K	Y	O
U	T	E	N	S	I	L	I	M	E	L	E	
R	E	N	G	I	N	E		T	O	U	G	H

Letter Box

Solution

O	U	D	H	P	T	E	S	A
P	H	A	S	E	D	O	U	T
E	S	T	U	O	A	D	P	H
A	P	E	O	D	H	U	T	S
U	D	S	P	T	E	H	A	O
H	T	O	A	U	S	P	D	E
D	E	P	T	S	O	A	H	U
T	O	H	D	A	U	S	E	P
S	A	U	E	H	P	T	O	D

ANDYS

E	W	I	V	E	D	G	S					
T	A	K	A	R	R	G						
T	W	C	R	O	S	E						
			F	C	O	M						
D	T	U	Y	N	A	M						
D	B	T	E	I	U	M						
O	B	R	R	E	K	L	S	N	A	V		
S	I	K	R	E	S	P	L	S				
G	U	H	T	I	F	F	I	R	G			
W							D	W				

CryptoQuip

In order to keep folks from getting seasick, we were all told to drink an ocean motion potion.

CryptoQuote

The farther we get away from the land, the greater our insecurity. — Henry Ford

FEAR & KNIGHT

answer

A	G	E										
L	C											
G	Z	I	G									
B	L	A	M	E	S	O						
B	C	A	R	P	E	L						
E	A											
L	A	P				S	L	O	T			
						E						Z

Even Exchange

answers

- Enjoy, Envoy
- Chile, Child
- Barber, Berber
- Prize, Price
- Norman, Normal
- Tardy, Tarry
- Motion, Lotion
- Shiver, Shiner
- Tamer, Tater
- Aster, Alter

Weekly SUDOKU

Answer

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

King Crossword

Answers

Solution time: 21 mins.

R	A	J	A	S	H	A	H	V	I	P
E	L	A	N	P	O	L	O	E	D	O
V	E	N	T	R	I	C	L	E	N	E
H	U	N	K	C	U	G	A	T		
S	E	V	E	N	C	A	M	E		
I	T	E	M	C	O	O	K	W	A	R
B	U	N	T	H	I	N	E	N	O	R
S	I	D	E	W	A	L	K	S	C	A
E	V	E	R	V	E	E	R	S		
H	O	T	E	L	A	R	I	D		
E	S	T	V	E	N	Z	U	E	L	A
A	L	A	E	R	O	S	C	L	A	N
D	O	S	E	N	T	E	M	M	Y	

Farming News

from Extension Agent Eric Baker

Thursday, March 28th @ 6:00pm

Farm Laws and Liability Seminar

Attention farmers! Join us for a Farm Laws & Liability Seminar on Thursday, March 28th, 6:00 p.m. at the Estill County Extension office, 76 Golden Court, Irvine. Special guest speaker is Clint Quarles, staff attorney for the Kentucky Department of Agriculture.

If you own a farm, you should attend this meeting which will include boundary fence law information. A meal will be provided so please pre-register by calling 723-4557, no later than March 25th.

Wisely use your tax refund

It's that time of year when many get excited about getting a tax refund. By responsibly using this one-time infusion of cash, you can improve your financial standing.

According to senior Extension associate for family finance and resource management Kelly May,

you could wisely use your tax refund to add to your emergency savings account. Most of us do not have enough money saved in the event of job loss, sickness or another unexpected event that prevents us from working. Most financial experts recommend having at least six months of your income saved to help you work through a financial hardship. This fund can also help you cover unexpected or emergency household repairs.

You could also choose to reduce your debt with your tax refund. Paying off high-interest debt as quickly as possible is a financial win-win because it reduces the principle on your loan and lowers your future interest payments.

Investing in your family's future is always a wise move as it will continue to guarantee your future financial stability. You could use your return to start or add a college savings fund for your children or start or add to your retirement account.

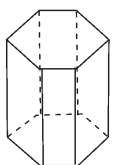
If you must spend your tax refund, make wise spending choices. Consider purchases that allow you to make improvements that add to the resale value of your vehicle or home or home improvements that lower your energy costs.

More information on family financial education is available by contacting the Estill County Extension office, 76 Golden Court, Irvine.

Stickeler's Puzzle



What is the name of the polyhedron below?



What would it look like unfolded?

©2019 King Features Syndicate

Stickeler's Answer on Page 11

Americanisms



"The best way to get husbands to do something is to suggest that perhaps they are too old to do it."

— Shirley MacLaine

© 2019 King Features Syndicate, Inc.

Bible Trivia Answers

Now available by Wilson Casey! 2017 Bible Trivia box calendar loaded with daily teasers.

ANSWER: 1 New; 2 One; 3 Rusted; 4 Succoth; 5 Sinai; 6 Eli