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The lone star tick is our most troublesome species based upon its frequency of attack on humans and animals; this is the time of year when they are at their peak. Anyone accidentally moving thru clusters of tiny, hungry seed ticks can face a miserable few days. Female ticks lay hundreds to thousands of eggs in clusters on the ground. The masses of 6-legged larval (or seed) ticks that emerge from these eggs climb vegetation and wait with front legs extended to latch onto a passing human or animal. They will wander on the skin for a time (in

# Lonestar Ticks -- Our Most Troublesome Species

some cases up to 24 hours) before attaching to feed. Barbed mouthparts are inserted into the skin and a cement is secreted to hold ticks in place while they engorge, a process that can take from 2 hours to 7 days; then they drop from the host. Ticks inject an anesthetic material that makes the actual bite painless. However, the bite site may be red and painful for 1 to 2 weeks after the tick has fed.

Frequent, careful inspections are essential for those who are in situations that expose themselves to ticks. Here are some tips: 1) Look for movement of very small, freckle-like spots on clothing and skin – they may be seed ticks. The larger nymphs and adults are much easier to see. Wearing light clothing, especially pants, will make them easier to spot. 2) Avoid overgrown areas along trail edges or woods – ticks are more likely to occur there. Insecticide sprays can be applied to shady areas or borders along woods, especially where small animals could live. In general, there is no need to spray open sunny,

mowed areas of turf. Several lawn and garden insecticides are labeled for tick control in lawns such as Ortho Bug B Gon Lawn & Garden Insect Killer, Bayer Multi-Insect Killer Concentrate, Bayer Carpenter Ant & Termite Killer, Spectracide Flea & Tick Killer, Spectracide Triazicide Insect Killer Concentrate, Dragon Lawn & Garden Protector, Bonide Bug Beater Yard & Garden Concentrate, and Carbaryl Sevin Liquid Insecticide. Follow the label direction for mixing and applying the diluted spray. 3) Use insect repel-

lents or clothing treatments with permethrin when in areas where ticks are known to be active.

Ticks usually wander on people for some time before attaching. Regular inspections will help to catch them before this occurs. Also, it appears that disease infected ticks must feed for 24 to 48 hours before disease transmission occurs. More information on the lone star tick in Kentucky is available from the Extension Office (723-4557) or online at <http://www.ca.uky.edu/entomology/entfacts/ef648.asp>

## Agriculture Events

**Tuesdays, 3-7, and Senior Day, 2nd Tuesday, 10-2**

### Estill County Farmers' Market

The Estill County Farmers' Market is now open on Tuesdays from 3 p.m. to 7 p.m. On the second Tuesday of each month market hours are 10 a.m. to 2 p.m. This is Senior Day, but it is not limited to seniors; all are welcome. The market is also open on Fridays from 8 a.m. to 1 p.m. The market could close sooner if vendors sell out, so customers are advised to come early for best selection.

**Wednesday, August 7th @ 12:00 Noon**

### Extension District Board Meeting

The Estill County Extension District Board will have a regular meeting Wednesday, August 7, 12 Noon, at the Estill County Extension Office. Meetings are open to the public. For more information, call 723-4557.

**Wednesday, September 18th, 8-5**

### Kentucky Controlled Burn Workshop

The Kentucky Prescribed Fire Council will be offering a one-day Controlled Burn Workshop designed to provide attendees with the necessary knowledge to conduct controlled burns on their lands on Wednesday, September 18, 2013, 8-5, at the Wendell H. Ford Regional Training Center in Greenville. Targeted audience are those interested in using controlled burning as a management tool for wildlife habitat, mid-contact management, and other resource benefit. If you are considering the use of controlled burning as a management tool on your property, you should plan to attend.

The workshop fee including lunch is \$20 (Dinner, overnight lodging and breakfast is an additional \$30.)

The purpose of the workshop is for you to gain, from experienced instructors, the basic knowledge on how to safely, legally, and effectively, implement a controlled burn. For additional information and to register visit our website at [www.kyfire.org](http://www.kyfire.org) or contact Chris Minor [atcminor@tnc.org](mailto:atcminor@tnc.org). Registration deadline is August 20th.

## Stickeler's Answer

**Stickelers Answer**  
14 is the odd number out. Beginning with the number 1, the sequence is add one, then triple that number, add one, triple that number ... etc.

# BARNES SANITATION

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## Fall Soil Testing

Farmers, gardeners, and homeowners should consider soil testing to determine what nutrients are in their soils and what nutrients are lacking that must be added for proper growth of crops, pasture, vegetables, or lawns. Soil testing is a special chemical analysis that provides a guideline for lime and fertilizer needs of soils when considered in conjunction with past fertilizer management and cropping history. Soil testing service is available to every Kentucky citizen through the University of Kentucky Agricultural Experiment Station and the Cooperative Extension Service. There is a small fee (\$6.00) for the service to cover the cost of handling and laboratory operation. Currently, soil tests through our office are "buy one get one free". Come by our office to borrow a soil probe and take advantage of this promotional program.

Why do you need to soil test? Different types of soils, different fields, and often areas within the same field vary in the availability of plant nutrients. Also, a field may contain a low level of one nutrient and a high level of another nutrient. Such variations usually are due to differences in previous fertilizer and lime applications, cropping history, nutrient contents of the parent materials, and losses of surface soil through erosion. Soil testing is the best way to identify these differences and to adjust liming and fertilization practices.

For more information, contact the Estill County Extension Service at 606-723-4557.

*Educational programs of the Cooperative Extension Service serve all people regardless of race, color, sex, religion, disability or national origin.*

**NEW**

Plant above-ground crops that produce seeds **outside** the fruit: lettuce, spinach, celery, broccoli, cabbage, cauliflower

**2ND QTR.**

Plant above-ground crops that produce seeds **inside** the fruit: beans, melons, peas, peppers, squash, tomatoes

**FULL**

Plant **root** crops: beets, carrots, onions, potatoes, peanuts, bulbs

*- Brenda Weaver*  
Source: [www.gardeningbythemoon.com](http://www.gardeningbythemoon.com)

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

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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## 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.

Y ZHHI GYB YXR GHED

CPDXQVHMx VM YM THPE

QTYM Y LVXD GYM FYM

YMXLDE VM XDODM BDYEX.

- DMWIVXT JEHODES

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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: **K** equals **S**

HJ L UDMRSHBI QLBZJLURZXTX

ATUMQTK L UXHQHBLD, H'P KLF

ST'K PLQLIHBI RST JLAXHU MJ

KMUHTRF.

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## Puzzle Answers August 7, 2013

## Puzzles4Kids

Answer

Why do soccer players do well in school?

Because they know how to use their heads.

## Letter Box

Solution

N	P	B	T	R	I	E	U	L
T	U	E	L	B	P	N	R	I
R	I	L	U	E	N	T	P	B
B	L	U	E	P	R	I	N	T
E	T	P	I	N	L	U	B	R
I	R	N	B	T	U	P	L	E
U	B	T	P	L	E	R	I	N
P	E	R	N	I	B	L	T	U
L	N	I	R	U	T	B	E	P

## GRAND

## CryptoQuip

answer

If a clothing manufacturer becomes a criminal, I'd say he's damaging the fabric of society.

## CryptoQuote

answer

A fool may ask more questions in an hour than a wise man can answer in seven years. - English proverb

## FEAR & KNIGHT

answer

H	A	P										
O	R											
M	E	A	N	T								
E		I		O								
		S	A	M	P	L	E					
P	E	E	P		L							
		T	H	E	I	S	M					
		L		A			A					
		Y		T	H	E	Y					

## Even Exchange

answers

1. Pitch, Patch	6. Reese, Geese
2. Horse, House	7. Tinder, Tender
3. Outlet, Cutlet	8. Prank, Frank
4. Crows, Crown	9. Retort, Resort
5. Squirm, Squirt	10. Harsh, Marsh

## Weekly SUDOKU

Answer

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

## King Crossword

Answers

Solution time: 21 mins.

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

## Bible Trivia Answers

Casey's trivia book "Know It? ... or Not?" is available from [BearManorMedia.com](http://BearManorMedia.com)

**ANSWERS: (1) New; (2) Melchisedec; (3) Barnabas; (4) Philistine; (5) Rented house; (6) Job**