



# Avoid Soil Compaction In The Garden

excessive rototiller use. To reduce this problem, it is best to avoid working in the garden or walking in it when the soil is too wet. Squeeze a handful of soil and if it forms a muddy ball, rather than crumbling when you open your hand, stay out of the garden area.

Walk between plants and rows in the garden area to reduce compaction in primary plant growth areas. Excessive rototiller use destroys soil structure and promotes compaction. When compaction takes place in a dense soil structure, it also makes root growth more difficult.

A little hand hoeing, rather than a rototiller, may be all you need to do to eliminate a few weeds. It usually causes less soil damage than repeated rototilling and is less harmful to the earthworms that help aerate the soil.

You also can use mulch to control weeds instead of tilling. A 2- to 3-inch layer of mulch relieves the pressure of walking on the soil, reducing the degree of compaction. Organic mulches

are materials such as lawn clippings or straw. Do not use lawn clippings that come from a lawn recently treated with herbicides.

One excellent way to spread mulch materials more thinly is to first lay about six sheets of newspaper on the soil then cover the paper with organic matter. In this case the newspaper is really the mulch, and the organic matter holds the paper in place and improves appearances. Soils will remain cool longer in the spring under organic mulches, because the sun does not strike the soil. If you want your garden to grow rapidly in the spring, do not scatter the mulch until the soil warms. One precaution needed if you use straw is to be sure it is weed seed free. Otherwise, it will be a source of weeds for the growing sea-

son. Most organic mulches will compact and start to decompose by fall. They can be tilled under easily, adding valuable organic matter to the soil. Some gardeners prefer to maintain a permanent mulch, adding organic material as it becomes available. In the spring, they simply pull back the mulch in spots for transplants or in rows for direct seeded vegetables. This method is a good way to build a rich garden soil.

Contact me at the Estill County Cooperative Extension Service for more gardening information. Our telephone number is 723-4557.

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

**Eric Baker**  
**Estill County Extension Agent for Agriculture & Natural Resources**

After this cool, rainy weather pattern lifts, our gardening season will be in full force. It's a good time to think about your soil. Soil compaction creates an unfriendly growing environment for plants and is a serious problem for many home gardeners. However, it is relatively easy to prevent.

Compaction transforms soil into a difficult environment for plant growth by making it harder for roots, water and soil to penetrate the ground. Major causes are working the soil when it is too wet, foot traffic and

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

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: C equals Y

GWEPQ CWE VJC GJMU'V  
DWRKHO BJURHQ RW VRJC MU  
RKH SJOQHU WN HQUH NWO JV  
PWUS JV KH BJV JDHP?

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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.

YAE OAWYT SABQ EGVY EGQ  
VIQBVTQ WR UGVE ZQQDR  
EGQ VIQBVTQ OAUJ.  
- UWNWVS UWYVYR

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# Puzzle Answers

### May 18, 2016

### Puzzles4Kids Answer

F	L	I	O	U	R	I	S	H	S	H	O	A
L	A	S	S	S	A	S	H	I	E	S	A	
H	A	S	H	T	A	I	G	H	I	N		
S	H	Y	L	I	S	T						
O	R	I	S									
L	E	A	S									
A	S											
H	A	R	D	S	H	I	P					
A	S											

**FEAR & KNIGHT**  
answer

H	O	T										
I												
A	D	E	P	T								
D	E	S	I	S	S	Y						
E												
N	O	S	H									
E	P	O	C	H								
D	O	N										
D	Y	N	E									

### Letter Box Solution

E	T	L	Y	I	O	A	D	F
F	I	O	D	L	A	Y	T	E
Y	D	A	F	E	T	I	O	L
I	A	T	O	D	E	L	F	Y
D	Y	E	L	A	F	O	I	T
L	O	F	T	Y	I	D	E	A
O	F	I	A	T	Y	E	L	D
T	L	Y	E	O	D	F	A	I
A	E	D	I	F	L	T	Y	O

### ANNUAL RAINFALL OF MORE THAN 50 INCHES

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

### CryptoQuip answer

Could you say Cain's brother wanted to stay in the Garden of Eden for as long as he was Abel?

### CryptoQuote answer

Not doing more than the average is what keeps the average down.  
— William Winans

### Even Exchange answers

- |                   |                   |
|-------------------|-------------------|
| 1. Angel, Anger   | 6. White, Whine   |
| 2. Pouch, Couch   | 7. Collar, Cellar |
| 3. Slump, Stump   | 8. Tiber, Tiger   |
| 4. Banker, Barker | 9. Invest, Invent |
| 5. Jiggle, Jingle | 10. Chord, Chore  |

### Weekly SUDOKU Answer

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

### King Crossword Answers

Solution time: 21 mins.

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

**UK COOPERATIVE EXTENSION SERVICE**  
University of Kentucky – College of Agriculture

**Estill County**  
**4-H Youth Development**

**Isaac L. Hollon**  
Estill County Extension Office

**June 6-10**

**4-H Summer Camp**

There is still time to sign up for 4-H Summer Camp. Camp will be earlier than usual this year. Estill County youth (ages 9 – 14) will be camping June 6th-10th at J.M. Feltner 4-H Camp in London, Kentucky. Scholarships are still available for this camp. Scholarship application deadline is May 13th.

Cloverbud Camp will be June 18th – 20th at J. M. Feltner 4-H Camp in London, Kentucky. This 3-day camp is for youth ages 6 – 8.

Stop by the Extension office to pick up an application for either of these camps or call 723-4557 for more details.

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**Stickeler's Puzzle**

**STICKELERS**  
by Terry Sticklers

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

1. talesman	a. self-satisfaction
2. talisman	b. a person summoned for jury duty
3. complacence	c. cheerful
4. complaisance	d. a charm
5. sanguine	e. disposition to please
6. sanguinary	f. bloody

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Stickeler's Answer on Page 11

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**Main Street in Ravenna**

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**The Garden Bug**

**Dandelion**

All parts of the dandelion are edible and healthy. Its roots contain inulin and levulin (which balance blood sugar) and taraxacin (which helps digestion) and can be eaten raw or cooked. Its leaves are rich in potassium, antioxidants, and vitamins A and C, and can be eaten raw, steamed, boiled, sautéed or braised. The flowers can be added to salads, made into jellies or used to make wine.

- Brenda Weaver  
Source: www.motherearthnews.com

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**Bible Trivia Answers**

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

ANSWERS (1 Old; 2 Acts; 3) Ekron; 4) Lydda; 5) Mount Hor; 6) Jewess