

Pollinator Appreciation Day during National Pollinator Week

Bees, butterflies, moths, hummingbirds, beetles - our pollinators are vital to maintain a healthy ecosystem and are essential for the reproduction of many plants. Insects and birds are responsible for pollinating one-third of the food we eat. Without pollinators, agriculture and food production would be significantly different.

In support of National Pollinator Week, June 17-23 2019, the Madison County Pollinator Working Group is hosting a Pollinator Appreciation Day program at the Berea College Forestry Outreach Center, 2047 Big Hill Rd. Berea, KY on Thursday, June 20 from 6 to 8 pm.

"Our Pollinator Appreciation Day program will recognize the schools in Madison County who are participants in the School Pollinator Project along

with business partners, such as Columbia Gas, involved with the project. There are many schools and organizations doing good work and we want them to be acknowledged", said Jim Embry, Sustainable Communities Network and Working Group facilitator.

During the program we will read Proclamations by County Judge Executive Reagan Taylor and Governor Matt Bevin. There will be tours of the Forestry Outreach Center, free pollinator-beneficial plants and seeds, pollinator information material, short films and refreshments. The event is free and open to the public.

The School Pollinator Project was funded largely by the North American Association for Environmental Education through its EPA sponsored ee360 Fellow-

ship. Schools in Madison, Fayette and Letcher counties were given soil, plants, seeds, books and material for raised beds along with two teacher workshops. Columbia Gas of KY, Berea College and East Kentucky Power Coop were significant business partners in the school project. Madison Central, Madison Middle, Farristown and White Hall were a few of the schools participating. (https://www.richmondregister.com/news/scenes/photos-educators-learn-at-pollinator-workshop/collection_bd6b11d8-54f8-11e9-96fd-f3e3ca4fb5df.html)

Bees, butterflies, moths, hummingbirds, beetles and dozens of other insects are essential for plant reproduction and for many of our food crops. The economic impact of insect pollination

worldwide is estimated at \$217 billion. However, pollinators are in severe decline because of habitat loss and pesticide use.

"Pollinators are essential for agriculture and for the food we eat. These critters, small and often unnoticed, are essential for many fruits, vegetables, grains, nuts, beans, coffee and chocolate. "We can do our part to support pollinators by creating pollinator-friendly gardens/yards and protecting wildlife habitat in our bee-friendly communities." Embry encourages.

The Madison County Pollinator Habitat Working Group formed in 2017 and was inspired by the statewide Kentucky Pollinator Stakeholder Group led by, State Apiarist, Dr. Tammy Potter. The Working Group now includes several local and area groups



Eric Baker
Estill County Extension Agent for Agriculture & Natural Resources

You might think vegetables will be the best quality only if they get adequate water throughout the growing season. According to UK Extension horticulture specialist Richard Durham, it's important that you water vegetables well while they are being established and during flowering, but sometimes the best quality garden produce results when water is somewhat limited.

All vegetables need a good supply of soil moisture before and during flowering and during

Provide the right amount of water to summer veggies

fruit development. For crops such as cabbage and broccoli, this period is during establishment and head development.

One to two inches of water per week, in the form of natural rainfall or supplemental irrigation is enough for most vegetables during this time. For vegetables you continually harvest, such as eggplant, tomatoes, peppers, summer squash and green beans, it's important to keep an adequate supply of water to the plant. This ensures even soil moisture throughout the growing season, and it will keep plants productive longer. Consistent soil moisture on tomatoes will also help prevent blossom end rot and cracking of fruit.

You should withhold water from potatoes once the vines have begun to die. The tubers under the soil are entering dormancy at that time and excess water or fertilizer may

cause regrowth or cracking of the potatoes, which makes them less suitable for storage.

Cucumbers will become bitter without a good supply of moisture throughout the entire growing season. On the other hand, melons will produce a sweeter fruit when they are kept drier once the fruit has reached about half of its expected final size.

For melons, don't cut off water completely. Continue to provide one-half to one inch of water per week. Heavy rain or irrigation when the melons are nearly mature will dilute the fruits' sugar. Watermelons will concentrate the sugar if left on the vine a little longer. Muskmelons, however, are less apt to do this.

Okra tends to produce more leaves than pods when it's over watered, so try to keep these drought-tolerant plants on the dry side.

A layer of mulch in the vegetable row will help conserve moisture, reduce weed growth and keep produce cleaner. Using black plastic film as a mulch has become standard in commercial vegetable production, but most backyard growers still prefer organic mulches such as straw, wood chips, composted leaves or grass clippings.

For more information about home gardening, refer to the University of Kentucky College of Agriculture, Food and Environment publication Home Vegetable Gardening in Kentucky at <http://www2.ca.uky.edu/agcomm/pubs/id/id128/id128.pdf>, or contact the Estill County Cooperative Extension Service at 723-4557.

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Butterflies, and a few moths, engage in what is called "puddling." Males will gather in moist areas, such as mud in a roadway or in a field, the edges of a stream or pond, in

Puddling

animal dung, or in rotting fruit, so they can collect salt or minerals as they drink. The male can then pass these nutrients along to the female during mating, which she needs to produce and lay eggs.

— B. Weaver

Sources:
www.adirondackalmanack.com,
onlinelibrary.wiley.com

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Working Birds

A pair of cardinals have taken up residence in a tree outside my office. I scattered some safflower seed on the ground near some cover. It wasn't long before they appeared to eat it. My co-workers have commented how nice it is to see them out there. Indeed it is. Thank you!

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Stickeler's Puzzle

STICKELERS [sic]
by Terry Stickels

In a fictitious football season, Clinton beat Jefferson 14 to 7. Jefferson beat Wilson 21 to 3. Adams beat Clinton 35 to 21. Based on these scores alone, if Adams were to play Wilson, who would win and by how many points?

- 1) Adams wins by 14 points.
- 2) Wilson wins by 14 points.
- 3) Adams wins by 39 points.
- 4) Wilson wins by 39 points.
- 5) The game would end in a tie.

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Stickeler's Answer on Page 11

Wishing Well®

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

FMVK BHJ FZKS SH PH

JKWVTFZSVT NK YQJOZ PVZT,

WH BHJ NKNSNZCCB MZUV SH

HOSZNK Z WNUVT'Y CNQVKYV?

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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.

GVIQHS IUX FDIUBH NP

MSIFH WOMIVG UHY

QWBNV GN GDH OWUX.

— ZHUHFI

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Puzzle Answers

June 12, 2019

Puzzles4Kids

Answer

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

Riddle Answer:
Bread and butter.

FEAR & KNIGHT

answer

N	A	M	E
U	I		
O	F	T	E
A		U	L
R		E	O
M	A	R	T
U		F	E
S	M	I	T
			R

Letter Box

Solution

T	A	O	V	E	B	I	Y	C
V	Y	B	C	T	I	A	E	O
C	E	I	A	Y	O	T	V	B
Y	O	A	T	C	V	E	B	I
E	I	C	B	O	A	Y	T	V
B	T	V	E	I	Y	O	C	A
I	V	Y	O	B	T	C	A	E
A	C	T	I	V	E	B	O	Y
O	B	E	Y	A	C	V	I	T

Even Exchange

answers

1. Crimp, Cramp
2. Gallop, Gallon
3. March, Marsh
4. Fringe, Cringe
5. Betsy, Betty
6. Odder, Older
7. Squeak, Squeal
8. Loyal, Local
9. Insure, Injure
10. Chord, Chore

FIND THE COMPOSER FROM JUST THE CONSONANTS

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

Weekly SUDOKU

Answer

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

CryptoQuip

answer

When you want to go underwater in scuba gear, do you initially have to obtain a diver's license?

CryptoQuote

answer

Travel and change of place impart new vigor to the mind.

— Seneca

King Crossword

Answers

Solution time: 25 mins.

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

Bible Trivia Answers

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

ANSWER: (1) New; (2) Bless them; (3) Harp; (4) Moses; (5) Dry bones; (6) Zebedee