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Late Blight Alert



Late blight on tomato fruit. (Photo courtesy of UK Vegetable IPM Team)

According to UK plant pathologist Emily Pfeufer, late blight has been positively identified in eastern Tennessee. The late blight pathogen is *Phytophthora infestans* and causes this very destructive disease of tomatoes and potatoes. It can be blown several hundred miles on favorable wind currents. Under wet conditions, this disease can destroy an otherwise healthy planting in about two weeks. Photos of symptoms are linked to the following internet website: <http://veggies-cout.ca.uky.edu/lateblightontomato>.

The last time late blight was influential in KY was during the 2009/2010 seasons, and systemic fungicides targeting this disease are not necessarily a routine part of tomato/potato spray programs. Thus, most growers will need assistance from county agents to adjust their program if

their crops are affected by late blight.

Leaves, stems, and fruit can be affected by late blight pathogen. On foliage, individual lesions begin as water-soaked areas. Lesions can enlarge quickly, resulting in extensive blighting of foliage. Under cool and humid conditions, sporulation (whitish-gray downy-type growth) can be observed on the undersides of affected leaves. Fruit affected by late blight exhibit darkened, water-soaked spots that merge together, often covering much of the fruit. Severely infected fruit are invaded by secondary organisms, resulting in a rapid and soft decay.

Tomato and white potato growers in eastern KY are advised to spray

fungicides chlorothalonil or copper sprays prior to the next rain event to protect their crops from late blight. Growers in central and western KY should maintain their routine fungicide program, but scout crops for late blight symptoms, particularly after rain events. If late blight is suspected, get with your county agent to submit a sample to the Plant Disease Diagnostic Labs as soon as possible for identification. Sweet potato cannot become infected with the late blight pathogen.

To monitor the spread of late blight (free service), use the USAblight website: <https://usablight.org/> where farm location can be entered and alerts can be emailed or texted to the producer. If late blight is identified in

Kentucky, Dr. Pfeufer will send follow-up fungicide recommendations, many of which are also used to manage cucurbit downy mildew.

A very good publication with great color photos of tomato, pepper, and potato pest problems is UK Extension publication ID-172, An IPM Guide for Common Pests of Solanaceous Crops in Kentucky. Come by our office for a free copy.

For vegetable and other plant disease identification and control options, contact the Estill County Extension Office at 606-723-4557.

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Wishing Well®

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

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: D equals E

YI XZD SFNAZYBADDM IZYMZDK

ZF GDRFSD BAIYAD EBZX

GFMDKFS, XD GDOYA

RUBSGBAO XZD EYUUI.

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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.

HTDCYCK RWZC PF HEST

ERC BEVTEOM ZPVS TWYC

TWG STC HDKVS ZWKKEWMC

DO STC FJWOCS.

— ACBB RCVWKED

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Puzzle Answers

July 24, 2019

Puzzles4Kids

Answer
DEPART T DRAPE
SAILED A SLIDE
CLEARS L RACES
SPINAL L PAINS

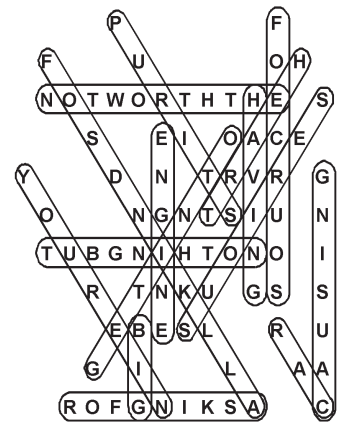
VILEST T EVILS
AIRMEN A MINER
MORALS L ROAMS
ENRAGE E ANGER
MELONS S LEMON

Letter Box

Solution

H	W	S	A	F	M	O	I	L
F	O	M	I	W	L	H	A	S
I	L	A	O	H	S	M	F	W
O	S	F	H	I	W	L	M	A
L	I	H	F	M	A	S	W	O
M	A	W	L	S	O	F	H	I
W	F	L	M	O	I	A	S	H
A	M	I	S	L	H	W	O	F
S	H	O	W	A	F	I	L	M

— TROUBLE



CryptoQuip

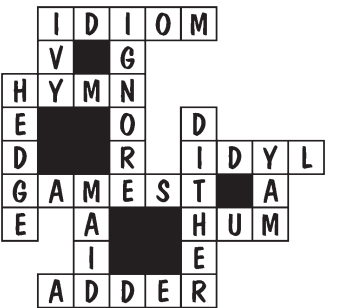
answer
As the mountaineer started to become insane with boredom, he began climbing the walls.

CryptoQuote

answer
Whoever came up with ice fishing must have had the worst marriage on the planet.
— Jeff Cesario

FEAR & KNIGHT

answer



Even Exchange

- answers
1. Beast, Boast
 2. Shower, Slower
 3. Thank, Think
 4. Wild, Yield
 5. Crutch, Crunch
 6. Aster, After
 7. Shack, Shock
 8. Rocket, Locket
 9. Blank, Bland
 10. Pester, Pewter

Weekly SUDOKU

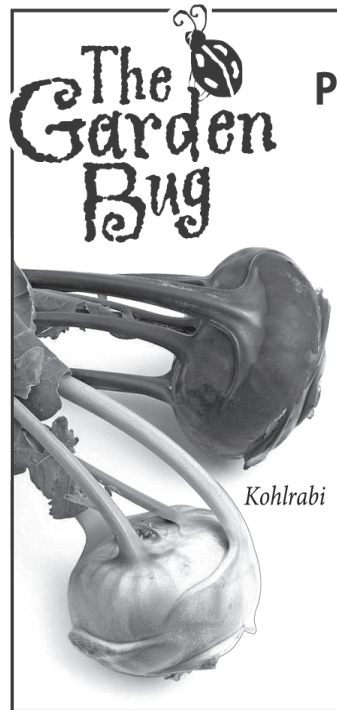
Answer

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

King Crossword

Answers
Solution time: 25 mins.

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



Plant mid-summer for fall harvest

Basil	30-60 days to maturity
Broccoli	50-70 days to maturity
Cabbage	50-90 days to maturity
Cauliflower	60-80 days to maturity
Green onion	60-70 days to maturity
Kale	40-65 days to maturity
Kohlrabi	50-60 days to maturity
Spinach	35-45 days to maturity

Source: extension.umn.edu

— B. Weaver

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Birding BITS BY Cindy Brook
Treasured Tray
Two new birds that have visited my tray feeder are the great crested flycatcher and a brown thrasher. The thrasher is here quite often. The coolest sighting so far was a family of grackles that gathered around the tray to feed their babies. It was heart-warming.

E-mail: birdingbits@cfl.rr.com
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SCRAMBLERS

Unscramble the letters within each rectangle to form four ordinary words. Then rearrange the boxed letters to form the mystery word, which will complete the gag!

Ship
ELVSS

Void
SCAHM

Harsh
EVERSE

Relief
SEREALE

TODAY'S WORD



"Don't you think you should wear your glasses when you _____?"

Stickeler's Puzzle

STICKELERS [sic]
by Terry Stickels

A box contains 4 red balls and 5 white ones. What is the probability of drawing 3 white balls in succession, assuming you're drawing at random?

- About 1 out of 10
- About 1 out of 20
- About 1 out of 100
- About 10 out of 150

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Stickeler's Answer on Page 11

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- New Living Room Suites
- New Recliners & Lift Chairs

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Bible Trivia Answers

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

ANSWER (1) Old; (2) Peter; (3) Daniel; (4) Barabbas; (5) 40; (6) Nineveh