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Tomato Diseases in the Home Garden

chlorothalonil (Ortho Garden Disease Control, Daconil, Bonide Fungonil Multipurpose Fungicide) or fixed copper sprays (Bonide Liquid Copper, Ortho Elementals Garden Disease Control), all available at garden centers. However, little benefit is achieved if one waits until strong activity exists before starting spray programs.

Fruit Rots: Blossom-end Rot is not can be avoided with adequate supply of soil moisture and adequate calcium levels (use of calcium chloride foliar sprays may assist as well). There is some Buckeye Rot which causes dark brown to black areas to develop on the fruit surface followed by decay. Unlike Blossom-end Rot, the blackened area is not sunken, and it may appear anywhere on the fruit, but usually on that part touching the soil or closest to the ground. Mulch can be used to reduce exposure of the fruits to the soilborne fungus and will also help reduce the occurrence of blossom-end rot. The Late Blight fungus can also cause blackened areas of the fruit, but may be rough and sunken at the margins compared to Buckeye Rot. Late Blight also attacks the foliage, blighting leaves, petioles and stems. Home garden fungicides containing chlorothalonil or fixed copper can be used to

prevent fruit rots cause by these two fungi.

Wilt Diseases: Walnut Wilt affects whole plants due to exposure to the toxin, juglone, produced usually by the roots of walnut trees growing near the garden. The toxin can even be produced by roots decomposing in the garden soil after the trees have been cut down. A brown staining of the xylem tissues in the stem can be seen when cut open. A similar dark staining of the xylem may occur when Fusarium wilt, Verticillium wilt, and even with root-knot nematode. Use of the VFN tomato varieties will prevent the latter three diseases.

Bacterial Spots: Bacterial Spot and Bacterial Speck can occur in home gardens. In some cases, the microbe causing bacterial spot may have been splashed to tomatoes in the garden from infected pepper transplants bought at a garden store. Bacterial Spot appears as dark, somewhat angular moist-looking spots on leaves and fruits. Disease-control chemicals containing fixed copper may help suppress this disease, but copper-containing chemicals are only partly effective and can damage the plant. Follow label directions.

Stem Cankers: Bacterial Canker occurs in commercial tomatoes, but less commonly in

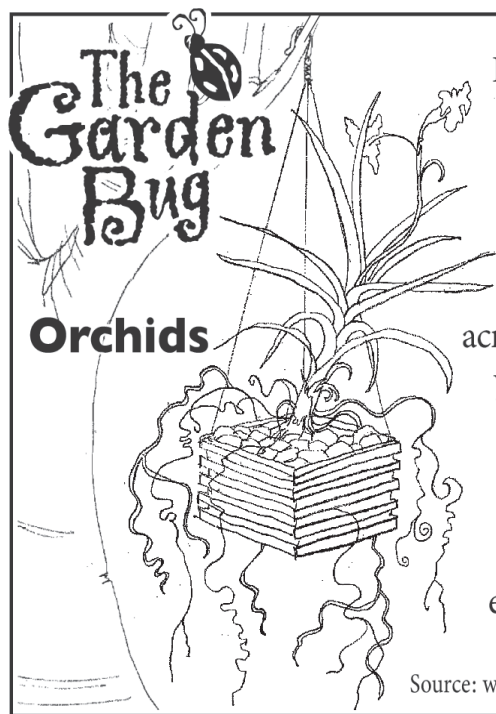
home garden tomatoes. Look for brown lesions on petioles and stems and wilting and drying of foliage associated with the cankers. The Early Blight fungus also causes brown lesions on leaf petioles and stems, and as is seen on the leaves, the typical concentric texture of the lesion should be visible.

Mosaic: Tomato Mosaic Virus (TMV) can cause mottling and mosaic symptoms and somewhat deformed growth of the leaves and uneven ripening and gray wall of the fruit. Where TMV occurs in the home garden, look at the practice of saving tomato seeds from tomatoes harvested one season and planted the next as a possible practice which perpetuates the disease.

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 KY. Contact us 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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For orchids grown in containers, the bottom must have enough drainage so the roots never sit in water. Slatted baskets made of rot-resistant wood are a good option. Put a layer of sheet moss across the bottom before putting in your plant, some soil and lastly a layer of stones or shells for a top dressing and for support. Your potted orchid should do well hanging up, with indirect light exposure and occasional misting.

- B. Weaver

Source: www.orchidsmadeeasy.com

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Summer Storms

If you live in an area where rough weather can occur, do a quick survey of your backyard. Can Shepherd hooks, birdbaths and hanging feeders be brought in quickly? What about other items that could cause a lot of damage if uprooted during high winds? Plan ahead. Be safe. Thank you!

E-mail: birdingbits@cfl.rr.com
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Attention Veterans

The Veterans Benefits Field Representative will be at the **Estill County Public Library**, 246 Main Street in Irvine, on Thursday, June 6th and normally the first Thursday of each month. The hours are 1:30 p.m. until 3:30 p.m.

Veterans and their dependants will receive assistance filing for Federal and State veterans benefits. This service is provided free of charge by the Kentucky Department of Veterans Affairs. To apply, veterans need to furnish copies of pertinent documentation to verify eligibility. For further information, please call toll free within Kentucky, 1-866-376-0308, to speak with a Veterans Benefits Field Representative.

Peter Summoned to Caesarea

Acts 10:17-18

17 Now while Peter doubted in himself what this vision which he had seen should mean, behold, the men which were sent from Cornelius had made inquiry for Simon's house, and stood before the gate, 18 And called, and asked whether Simon, which was surnamed Peter, were lodged there.

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Stickeler's Puzzle

by Terry Stickels

Which of the following diagrams does not belong with the others?

A

B

C

D

E

F

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Stickeler's Answer on Page 11

Wishing Well®

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

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: J equals T

HSCD YNJECCMM LOICM HYDJCW

JV MODA JV SCE SVEMC, SVH

WOW MSC YNNVLZIOMS JSYJ?

MYEYS DCOASCW.

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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.

PXC CYNIMXATNRZ NRJ

PCOYRJKLOT, SKYCY OL

RXSKORF XESLOJY XP SKY

NROANI VORFJXA SKNS OL

MXATNCNHIY SX N COUYC.

— KYRCZ UNR JZVY

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Puzzle Answers

June 5, 2019

Puzzles4Kids

Answer

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

FEAR & KNIGHT

answer

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

Letter Box

Solution

R	S	U	D	C	H	P	A	E
A	C	D	E	P	S	U	R	H
H	P	E	R	A	U	D	S	C
C	A	H	S	E	D	R	P	U
P	U	R	C	H	A	S	E	D
D	E	S	U	R	P	H	C	A
E	R	P	H	U	C	A	D	S
U	D	C	A	S	R	E	H	P
S	H	A	P	D	E	C	U	R

Even Exchange

answers

1. Craze, Crave
2. Freed, Fried
3. Expand, Expend
4. Prose, Probe
5. Wallet, Ballet
6. Clove, Close
7. Peach, Peace
8. Latter, Litter
9. Broth, Froth
10. Sydney, Sidney

PRESIDENTS BACKWARD

O	R	A																		
R	E	W	O	H	N	E	S	I	E	R										
A	D	A	M	S		P	X	A	G											
G	L	A	N	C	O	L	N	A												
A	D	G	W	L	T	R														
T	R	U	M	A	N		A	T												
F	I	L	L	M	O	R	E													
T							J	A	C	K	S	O	N	R						

Weekly SUDOKU

Answer

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

CryptoQuip

answer

When actress Miles wanted to sing to her horse, how did she accomplish that? Sarah neighed.

CryptoQuote

answer

For real company and friendship, there is nothing outside of the animal kingdom that is comparable to a river. — Henry Van Dyke

King Crossword

Answers

Solution time: 21 mins.

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

Bible Trivia Answers

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ANSWER: (1) Old; (2) The light; (3) Philip; (4) On roof; (5) Unclean spirits; (6) David