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Black Rot on Grapes

disease management, both home and commercial vineyards may suffer significant yield losses.

Leaf symptoms first appear as small, round, reddish-brown spots that enlarge to 1/8 to 1/4 inch diameter and spots may coalesce into larger blotches. Enlarged spots develop dark margins with light brown to tan centers that may contain small, black spore-bearing fungal fruiting structures (pycnidia).

Fruit symptoms begin as soft, light brown spots that enlarge to envelop entire berries. Infected fruit then shrivel into black, wrinkled mummies. Symptoms on shoots, petioles, and tendrils appear as irregular or diamond-shaped, sunken, tan to brown le-

sions. Black fungal fruiting structures may be observed in lesions. Disease is favored by warm, moist periods. Infection may occur throughout the growing season; however, as plants mature, disease susceptibility decreases. The pathogen survives winter in mummies, fallen leaves, and stem lesions.

Management of this disease involves 1) selecting cultivars with reduced susceptibility to black rot; 2) planting in good sites with appropriate air circulation and leaf drying characteristics plus avoiding low lying, poorly drained sites; 4) train vines onto high trellises to promote air circulation and allow for better fungicide penetration; 5) remove weeds and basal sprouts for increased air

movement, 6) utilize disease prediction models to evaluate risk for infection [University of Kentucky has an online "Black Rot of Grape Disease Prediction Model"]; 7) remove and destroy all diseased plant tissues; and 8) fungicides can be applied preventatively beginning at bud break (after 1/2 inch new growth) and continue through berry maturity. Homeowners may use fungicides that contain the active ingredients mancozeb or myclobutanil (e.g. Immunox).

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Prepare for Arrival of Bagworms in May

Bagworm eggs hatch in late May and the tiny larvae crawled out from the end of the bag in search of food. By using silk and bits of plant material, they soon constructed a small bag around their hind part that looks like a tiny, upright ice cream cone. As the larvae continue to feed and grow, they enlarge the bag enabling them to withdraw into it when disturbed. Older larvae strip evergreens of their needles and consume whole leaves of susceptible deciduous species, leaving only the larger veins. The bag is ornamented with bits of whatever type of vegetation they are feeding upon.

If only a few small trees or shrubs are infested, picking the bags off by hand and disposing of them may afford satisfactory control. This approach is most effective during fall, winter or early spring before the eggs have hatched. When many small bagworms are infesting evergreens, an insecticide may be needed to prevent serious damage. The best time to apply an insecticide is while the larvae are still small (less than 1/2-inch long). Small larvae are more vulnerable to insecticides, and inflict less damage. Carefully inspect susceptible landscape plants, especially evergreens, for

last year's bags. Young bagworms are harder to see; look closely for the small, upright bags which have the appearance of tiny ice cream cones constructed of bits of plant material. Preventive treatment is often justified on plants that were heavily infested with bagworms the previous year. June is the best time to treat for bagworms.

Several products are available for homeowner and professional use. For homeowners, conventional insecticides such as Sevin, Bonide Eight, Bayer Multi-Insect Killer, Ortho Max Lawn and Garden Insect Killer, or the microbial insecticide Bacillus

thuringiensis (BT) provide satisfactory results. The BT products have very low mammalian toxicities, but are only effective against younger larvae. If large bagworms are present (more than about 3/4-inch long), a conventional insecticide probably will provide better results. Foliage should be thoroughly wetted with the insecticide spray in order to achieve thorough coverage. Trade names are used as examples and no endorsement is intended, nor criticism implied of similar products not named. Always read and follow directions on the label.

Wishing Well®

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

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: A equals N

MJ M YL HGLZQMAP YBCBLA

UGYQGR JHZL SAZUUR MA LI IYHT,

IZB LMPDC RYI M'L HYSMAP CDG

LZBATR.

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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.

UVGX KR LUX CXXZKDI AVF

UTNX LUTL LUX CXXZKDI AVF

UTNX KR'D'L GXMETDXDL.

— BXTD OXMM

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"Dry stone" building

Stone is the oldest construction material known to man and has been used for thousands of years. In colonial times, native stone without mortaring was used for houses, barns, courthouses, offices, banks, shops, inns, churches, mills, dams, bridges, iron furnaces, lime kilns, distilleries, retaining walls, embankments and bridges. Many are still standing today. The Dry Stone Conservancy's mission is to preserve such historic structures, to advance the dry stone masonry craft, and to create a center for training and expertise nationwide. - Brenda Weaver
Source: www.drystone.org

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Birding BITS

BY
Cindy Brook

Keep it Simple
Three ways to make feeder clean-up easy:

1. Bring feeders in at night to keep them dry and bacteria free.
2. Wash trays and let them air dry overnight.
3. Refill feeders at night so all you have to do hang them in the morning.

I use these time-savings tips daily.
E-mail: birdingbits@cflrr.com
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Puzzle Answers

May 30, 2018

Puzzles4Kids

Answer

What did the mother broom say to the baby broom?

It's time to go to sweep.

Letter Box

Solution

N	F	L	S	O	W	E	R	U
O	R	S	U	E	F	L	W	N
U	E	W	L	R	N	S	O	F
R	W	U	O	N	L	F	S	E
L	N	E	R	F	S	O	U	W
F	S	O	E	W	U	R	N	L
S	U	N	F	L	O	W	E	R
W	L	R	N	S	E	U	F	O
E	O	F	W	U	R	N	L	S

FEAR & KNIGHT

answer

T	O	G	A
H	O		
A	R	A	B
O		A	A
B	R	T	A
A	H	I	R
N		G	U
G	U	L	C
		H	
		T	

Even Exchange

answers

1. Carve, Curve
2. Ample, Apple
3. Hubble, Humble
4. Rivet, River
5. France, Prance
6. Later, Lager
7. Carter, Career
8. Manor, Major
9. Latter, Litter
10. Spool, Spool

Weekly SUDOKU

Answer

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

King Crossword

Answers

Solution time: 25 mins.

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

Farming News

Thursday, May 31st @ 3:30pm

UK Ag Equine Farm & Facilities Expo

University of Kentucky Ag Equine Programs will host its annual Farm and Facilities Expo from 3:30 p.m. to 8 p.m. EDT Thursday, May 31, at Knapper Farm, 485 Chatham Lane in Harrodsburg.

Stickeler's Puzzle

by Terry Stickels

Here are some common Latin phrases used in everyday English. Match the words on the left with their meanings on the right.

1. quid pro quo
2. ipse dixit
3. quod erat demonstrandum
4. exempli gratia
5. semper fidelis
- a. always faithful
- b. for example
- c. something for something
- d. that which was to be proved
- e. an unsupported assertion

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Stickeler's Answer on Page 11

UK COOPERATIVE EXTENSION SERVICE

University of Kentucky - College of Agriculture

Estill County 4-H Youth Development

Isaac L. Hollon
Estill County Extension Office

Call the Extension Office for details

4-H Encourages Community to "Adopt-A-Camper"

The Estill County 4-H would like to encourage the community to "Adopt-a-Camper" this year. For a \$60 donation, you can help send a local child to 4-H Camp this summer. This is a great opportunity for you to help enrich the lives of local children. Remember, all donations are tax deductible. For more information on how to donate, call the Estill County Extension Office at 606-723-4557.

Estill County Farm Bureau Annual Meeting

Thursday, June 7th @ 6pm

1355 Richmond Road, Irvine

CryptoQuip

answer

If I am removing autumn leaves from knolls in my yard, you might say I'm raking the mounds.

CryptoQuote

answer

Hope is the feeling you have that the feeling you have isn't permanent.

— Jean Kerr

Bible Trivia Answers

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

ANSWERS (1) Neither; (2) Adoni-Bezek; (6) Malachi; (3) 4; (4) Herod; (5) Ehad; (6) 4