

Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

Black rot is a common disease of grapes in Kentucky. Due to the preva-

Black Rot of Grapes

cant yield losses.

with light brown to tan sions. centers that may contain tures (pycnidia).

blotches. Enlarged spots winter in mummies, fall-

small, black spore-bear- ease involves 1) selecting growth) and continue ing fungal fruiting struc- cultivars with reduced through berry maturity. Fruit symptoms be- rot; 2) plant in good sites fungicides that contain lence of this disease, it is gin as soft, light brown with appropriate air cir- the active ingredients also one of the most eco- spots that enlarge to en- culation and leaf dry- mancozeb or myclobutanomically important dis-velop entire berries. In- ing characteristics; 3) nil (e.g. Immunox). eases of grapes. Black rot fected fruit then shrivel avoid planting in low lycan affect all young, de- into black, wrinkled ing, poorly drained sites; veloping, above ground mummies. Symptoms 4) train vines onto high plant tissues. However, on shoots, petioles, and trellises to promote air fruit infections are the tendrils appear as irregu-circulation and allow for most destructive. With- lar or diamond-shaped, better fungicide penetraout adequate disease sunken, tan to brown le-tion; 5) remove weeds

is favored by warm, moist models to evaluate risk Leaf symptoms first apperiods. Infection may oc- for infection [University pear as small, round, red-cur throughout the grow- of Kentucky provides dish-brown spots that ing season; however, as an online "Black Rot of enlarge to 1/8 to 1/4 plants mature, disease Grape Disease Prediction inch diameter and spots susceptibility decreases. Model"]; 7) remove and may coalesce into larger The pathogen survives destroy all diseased plant tissues; and 8) fungicides develop dark margins en leaves, and stem le- may be applied preventatively beginning at bud Management this dis-break (after 1/2 inch new susceptibility to black Homeowners may use

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and commercial vine- ing structures may be ob- creased air movement, 6) yards may suffer signifi- served in lesions. Disease utilize disease prediction

Wishing 🏝 Well® 5 8 7 6 5 Ν 0 Ε D 3 AREME 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: O equals D

ORO AROM RB MZZQFD BQD

DQ WRXJM ZQFMJD ZLFMJ.

UM WGRLAMO LD'J BQD BLWM

DQ ZXMG AQDUMF BRDXFM.

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CryptoQuote

is **LONGFELLOW**

One letter stands for another. In this sample, A is used for the three L's, \boldsymbol{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.

JKCX SHRA ORKHVW ZA CVW

JKCX SHRA ORYINR ZA CNR

XHVE BCXXRNA PIBUCNRW XI JKCX SHRA JHXKHV ZA.

AIZNPR IOAPZNR

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FEAR® answer

REBUS

6. Notion, Motion

7. Sheer, Sheen

8. Beatty, Beauty

9. Encage, Enrage

10. Chuck, Cluck

BYLAW

ISSUE

Even Exchange

Weekly SUDOKU

Answer

6 8 5 2 3 4 7 1 9

9 7 3 1 5 6 2 4 8

4 1 2 7 8 9 3 5 6

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

3 6 7 8 2 5 4 9 1 5 2 1 9 7 3 8 6 4 8 9 6 5 4 2 1 7 3 7 3 4 6 1 8 9 2 5 **King** Crossword -

Answers

1. Barber, Barter

2. Fault, Vault

3. Retain, Retail

4. Stare, Scare

5. Olive, Alive

WEB

Answer

What did the chewing gum say to the shoe?

I am stuck on you.

Letter Box

Solution

	П	Т	Г	Υ	Ι	0	Α	D	F	
	F	I	0	D	L	Α	Υ	Τ	Е	
	Υ	D	Α	F	Е	Т	_	0	L	
	-	Α	Т	0	D	Е	L	F	Υ	
	О	Υ	Е	L	Α	F	0	_	Т	
	L	0	F	Т	Υ	_	D	Е	Α	
	0	F	_	Α	Т	Υ	Е	L	D	
	Т	L	Υ	Е	0	О	F	Α	_	
	Α	Ε	D	Ι	F	L	Т	Υ	0	
	DIDD ANATOMY									

	Α	E	D	Ι	F	L	Т	Υ	0		
BIRD ANATOMY											
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CryptoQuip

STREVOC

Dad made an effort not to cause forest fires. He claimed it's not nice to fuel Mother Nature,

CryptoQuote answer

What lies behind us and what lies before us are tiny matters compared to what lies within us. Source obscure

Trivia box calendar loaded with daily teasers.

Solution time: 24 mins.

Bible Trivia Answers Now available by Wilson Casey! 2017 Bible

Rachel; 6) Samson Brimstone (Gen 19:24); 5) Esaias; 3) Ezekiel; 4) **ANSWER:** 1) New; 2)

management, both home sions. Black fungal fruit- and basal sprouts for in-**Prepare for Hatching of Bagworms** Bagworm eggs hatch in tive during fall, winter or

ing of them may afford satisfactory control. This approach is most effec- worms.

late May and the tiny larearly spring before the vae crawled out from the eggs have hatched. When end of the bag in search many small bagworms of food. By using silk and are infesting evergreens, bits of plant material, an insecticide may be they soon constructed a needed to prevent serismall bag around their ous damage. The best hind part that looks like time to apply an insectia tiny, upright ice cream cide is while the larvae cone. As the larvae con- are still small (less than tinue to feed and grow, 1/2-inch long). Small they enlarge the bag en- larvae are more vulnerabling them to withdraw able to insecticides, and into it when disturbed. inflict less damage. Care-Older larvae strip ever- fully inspect susceptible previous year. June is the



Several products are larvae.

If large bagworms greens of their needles landscape plants, espe- available for homeowner are present (more than and consume whole cially evergreens, for last and professional use. For about 3/4-inch long), a leaves of susceptible de- year's bags. Young bag- homeowners, conven- conventional insecticide ciduous species, leaving worms are harder to see; tional insecticides such probably will provide betonly the larger veins. The look closely for the small, as Sevin, Bonide Eight, ter results. Foliage should bag is ornamented with upright bags which have Bayer Multi-Insect Killer, be thoroughly wetted bits of whatever type of the appearance of tiny ice Ortho Max Lawn and with the insecticide spray vegetation they are feed- cream cones constructed Garden Insect Killer, or in order to achieve thorof bits of plant material. the microbial insecticide ough coverage. Trade If only a few small Preventive treatment is Bacillus thuringiensis names are used as extrees or shrubs are in- often justified on plants (BT) provide satisfactory amples and no endorsefested, picking the bags that were heavily infest-results. The BT products ment is intended, nor off by hand and dispos- ed with bagworms the have very low mammali- criticism implied of simian toxicities, but are only lar products not named. best time to treat for bag- effective against younger Always read and follow directions on the label.

Recycling food containers Instead of throwing out all your used food containers, clean and re-purpose them for your garden. Plastic tubs can hold cuttings or young

plants. Plastic lids can protect surface damage by clay pots. Glass jars can hold candles, seed pods or flowers in water. Egg trays can be seed starters. Cardboard can be used to block weed growth in flower beds. Make a funky garden art/birdhouse/ collectables display by nailing cans to a board, using buttons, beads, rocks or shells to decorate it.



Playful Ravens

Longtime Birding Bits fan Dave S. from Orlando, Fla., sent me a link about the playful behavior of the common raven. Did you know that juvenile ravens like to slide down snowbanks just for fun? I sure didn't. To read more, visit http://en.wikipedia.org/ wiki/Common_Raven#Playful_ behavior. Thanks Dave!

> E-mail: birdingbits@cfl.rr.com © 2013 King Features Syndicate, Inc.

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Stickeler's Puzzle

- B. Weaver

Below are four squeezer puzzles. Can you find the correct word to be placed in the middle of each to create two new words, one front-end, one back-end? Here's an example of how it works:

ever **G R E E N** horn

1) general _ _ _ wright 2) stand _ _ _ line 3) **super** ____ house

4) inner _ _ _ _ board ©2019 King Features Syndicate

Stickeler's Answer on Page 11