Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

Gardeners are busy planting and anticipating all label directions. the delicious harvest...esrealize there are several types of tomato diseases that you may encounter this season and this artions.

Fungal Leaf Spots: Both Early Blight and Septoria Leaf Spot diseases are widespread. favored by the rain and Early blight is characterized by the brown, some-Leaf Spot, the end result the margins compared to is the same, but the spots Buckeye Rot. Late Blight are tan, fairly circular, and also attacks the foliage, usually remain under one blighting leaves, petifourth-inch in size. These oles and stems. Home two diseases can be prevented by application taining of fungicides containing or fixed copper can be chlorothalonil Garden Disease Control, cause by these two fungi. Daconil, Bonide Fungonil See the suggested spray Multipurpose Fungicide) schedule in the previous or fixed copper sprays paragraph. (Bonide Liquid Copper, den Disease Control), due to exposure to the all available at garden toxin, juglone, produced centers. However, little usually by the roots of benefit is achieved if one walnut trees growing waits until strong activ- near the garden. The toxity exists before start- in can even be produced

Preparing for Garden Tomato Diseases ing spray programs. A by roots decomposing cankers. The Early Blight ing then change to cop- when cut open. A simi- lesion should be visible. per + chlorothalonil for lar dark staining of the the rest of the season. xylem may occur when saic Virus (TMV) can Thorough coverage of the Fusarium wilt, Verticil- cause mottling and mofoliage (top and bottom lium wilt, and even with saic symptoms and someof leaves) is critical when root-knot nematode. Use what deformed growth spraying. These fungicide of the VFN tomato variet- of the leaves and uneven are protectants so timely ies will prevent the latter ripening and gray wall of sprays are important to three diseases. success. Read and follow

pecially the first toma- end Rot is not can be gardens. In some cases, tomatoes harvested one toes. Everyone should avoided with adequate the microbe causing bac- season and planted the supply of soil moisture terial spot may have been next as a possible pracand adequate calcium splashed to tomatoes in tice which perpetuates levels (use of calcium the garden from infect- the disease. chloride foliar sprays may ed pepper transplants ticle will summarize the assist as well). There is bought at a garden store. tion with great color phodiseases and control op- some Buckeye Rot which Bacterial Spot appears tos of tomato, pepper, and causes dark brown to as dark, somewhat angu- potato pest problems is black areas to develop on lar moist-looking spots UK Extension publication the fruit surface followed on leaves and fruits. Dis- ID-172, An IPM Guide by decay. Unlike Blossom- ease-control chemicals for Common Pests of Soend Rot, the blackened containing fixed copper lanaceous Crops in KY. The diseases have been area is not sunken, and it may help suppress this Contact us for a free copy. may appear anywhere on disease, but copper-con- For vegetable and other leaf wetness we have the fruit, but usually on taining chemicals are plant disease identificahad so far this summer. that part touching the soil only partly effective and tion and control options, or closest to the ground. can damage the plant. contact the Estill County Mulch can be used to Follow label directions. what target- shaped leaf reduce exposure of the Stem Cankers: Bacterial 723-4557. spots, often becoming a fruits to the soilborne Canker occurs in comhalf-inch or more across. fungus and will also help mercial tomatoes, but operative Extension Service serve all As the lesions come to- reduce the occurrence less commonly in home gether, the leaves turn of blossom-end rot. The garden tomatoes. Look basis of race, color, ethnic origin, nationyellow, become blighted Late Blight fungus can for brown lesions on petand may hang from the also cause blackened ar- ioles and stems and wiltplant as curled, brown eas of the fruit, but may ing and drying of foliage dead foliage. For Septoria be rough and sunken at associated with the garden fungicides conchlorothalonil (Ortho used to prevent fruit rots

Wilt Diseases: Walnut Ortho Elementals Gar- Wilt affects whole plants

terial Spot and Bacterial look at the practice of **Fruit Rots:** Blossom- Speck can occur in home saving tomato seeds from

suggested tomato spray in the garden soil after fungus also causes brown schedule would be cop- the trees have been cut lesions on leaf petioles per + mancozeb sprayed down. A brown stain- and stems, and as is seen weekly for the first eight ing of the xylem tissues on the leaves, the typical weeks after transplant- in the stem can be seen concentric texture of the

Mosaic: Tomato Mothe fruit. Where TMV oc-**Bacterial Spots:** Bac- curs in the home garden,

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Stickeler's Puzzle

Try your luck with the following group names for various things. For example, a group of islands is called a chain, a group of mountains is a range and a group of trees is an orchard, a forest or a thicket.

1) candidates

- 2) asteroids
- 3) bacteria

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7	4	7	8	6	7	2	7	8	2	6	8	8
Ρ	D	Е	D	Е	С	Е	Т	Е	D	S	А	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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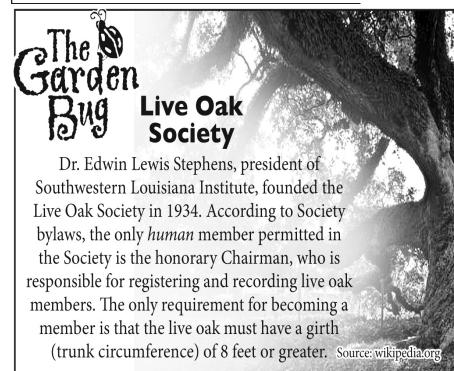
CryptoQuip This is a simple substitution cipher in which each letter used stands for another. If you think that X equals O, it will equal O throughout the puzzle. Solution is accomplished by trial and error. Clue: I equals O VGDP K PYZCKPTD BQZDC QDKAAM GKQX BI KTTIRJAZCG CIRDBGZPU, Z'X CKM GD'C JYBBZPU GZC JDCB EIIB EIQVKQX. ©2018 King Features Synd., Inc. CryptoQuip puzzles \$3.50 • 24 Volumes • Order at: rbmamall.com CryptoQuote AXYDLBAAXR is **LONGFELLOW** One letter stands for another. In this sample, A is used for the three L's, ${\bf X}$ 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. SE NKK JIA GNDR SL JIA C.R. TADA WKNGAF ALF JX ALF SJ TXCKF WDXONOKZ OA KNOXD FNZ TAAUALF. FXCB KNDRXL ©2018 King Features Synd., Inc. New! CryptoQuote puzzles \$3.50 • 6 Volumes • Order at: rbmamall.com

4) circuits

- 5) experts
- 6) trucks

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Stickeler's Answer on Page



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A E H W I O D R F	1. Lodger, Ledger 6. Gross, Grass						
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	— King Crossword —						
	Answers						
CryptoQuip answer	Solution time: 21 mins.						
When a nuisance tries really	LAM UPBOW LAD						
hard to accomplish something, I'd say he's putting his pest	F L U C T U A T E U S E A I L O D E S S A						
foot forward.	M U F F L E R E N T U R L E N D N I E C E						
CryptoQuote	SAUL TIC DRUG						
answer	FOOTELUDED						
Show me a sane man and	D J I N N I W A S R U E F L U M M O X E S						
I will cure him for you. — Carl Jung	I T S A T R E E Y M A P E T T H I N S Z O O						
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