The Estill County Tribune, June 22, 2016, Page 13



Eric Baker Estill County Extension Agent for Agriculture & Natural Resources

Garden plants are thriving right now and it seems tomato diseases are doing well too. There are several types of garden tomato diseases that you may encounter this season and this article will summarize the diseases and control options.

Early Blight and Septoria Leaf Spot diseases are widespread. The diseases have been favored by the rain and leaf wetness we have had so far this summer. Early blight is characterized by the brown, somewhat targetshaped leaf spots, often becoming a half-inch or more across. As the lesions come together, the leaves turn yellow, become blighted and may hang from the plant as curled, brown dead foliage. end result is the same, but petioles and stems. Home

These two diseases can be fruit rots cause by these two stems and wilting and dryprevented by application of fungi. fungicides containing chlorothalonil (Ortho Garden Wilt affects whole plants Disease Control, Daconil, due to exposure to the tox-Bonide Fungonil Multipur- in, juglone, produced usupose Fungicide) or fixed cop- ally by the roots of walnut per sprays (Bonide Liquid trees growing near the gar-Copper, Ortho Elementals den. The toxin can even be Garden Disease Control), produced by roots decomall available at garden cen- posing in the garden soil

starting spray programs.

with adequate supply of soil moisture and adequate calcium levels (use of calcium root-knot nematode. Use of chloride foliar sprays may assist as well). There is some will prevent the latter three a possible practice which Buckeye Rot which causes diseases. dark brown to black areas to develop on the fruit surface al Spot and Bacterial Speck followed by decay. Unlike can occur in home gardens. Fungal Leaf Spots: Both Blossom-end Rot, the blackened area is not sunken, and it may appear anywhere on have been splashed to tothe fruit, but usually on that matoes in the garden from part touching the soil or closest to the ground. Mulch can be used to reduce exposure of Bacterial Spot appears as the fruits to the soilborne fungus and will also help reduce moist-looking spots on the occurrence of blossomend rot. The Late Blight fungus can also cause blackened ing fixed copper may help areas of the fruit, but may be suppress this disease, but rough and sunken at the margins compared to Buckeye cals are only partly effective Rot. Late Blight also attacks and can damage the plant. For Septoria Leaf Spot, the the foliage, blighting leaves, the spots are tan, fairly cir- garden fungicides containing rial Canker occurs in comcular, and usually remain un- chlorothalonil or fixed cop- mercial tomatoes, but less Service serve all people reder one fourth-inch in size. per can be used to prevent commonly in home garden gardless of race, color, sex,

Tomato Diseases In The Home Garden

Wilt Diseases: Walnut ters. However, little benefit after the trees have been mottling and mosaic sympis achieved if one waits until cut down. A brown staining strong activity exists before of the xylem tissues in the stem can be seen when cut Fruit Rots: Blossom-end open. A similar dark stain-Rot is not can be avoided ing of the xylem may occur when Fusarium wilt, Verticillium wilt, and even with of saving tomato seeds from the VFN tomato varieties

Bacterial Spots: Bacteri-In some cases, the microbe causing bacterial spot may infected pepper transplants bought at a garden store. dark, somewhat angular leaves and fruits. Diseasecontrol chemicals containcopper-containing chemi-Follow label directions.

Stem Cankers: Bactetomatoes. Look for brown religion, disability or national lesions on petioles and origin.

ing 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 toms and somewhat deformed growth of the leaves and uneven ripening and grav wall of the fruit. Where TMV occurs in the home garden, look at the practice tomatoes harvested one season and planted the next as 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. Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability or national origin.

Educational programs of the Cooperative Extension

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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: B equals O

LQSCQL ZTBFM MDQ UBBNCQL

BPPQSQN TO Z JZSUQ

AZJCPBSWCZ ACMO: "MDQ

MSQZML BP LZW PSZWACLAB."

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CryptoQuote AXYDLBAAXR 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 ADGV ZSOUPBVOZV XADX PU LSW BS D NPXXNV XAPOY EVNN, LSW ZDO BS D MPYYVF XAPOY EVNN, XSS. JXSFVL ©2016 King Features Synd., Inc. New! CryptoQuote puzzles \$3.50 • 6 Volumes • Order at: rbmamall.com



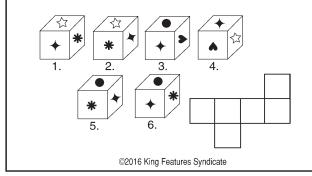
These large-growing plants have long stems that resemble bamboo, with showy leaves and clusters of flowers growing **"Cane"** from the joints. They can reach 6 **begonias** feet or more in a pot, and as high as 15 feet or so in the ground in mild winter areas. They like bright light, and need a heavier mix of soil and a substantial pot or support system to keep it from falling over. If leaves yellow and fall off, you are watering too often. – Brenda Weaver Source: www.begonias.org, kindheartsareagarden.blogspot.com



SUICKELLE:

Below are 6 different views of the same cube. Can you reconstruct the pattern on the unfolded strip?

Stickeler's Puzzle



Stickeler's Answer on Page 11

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