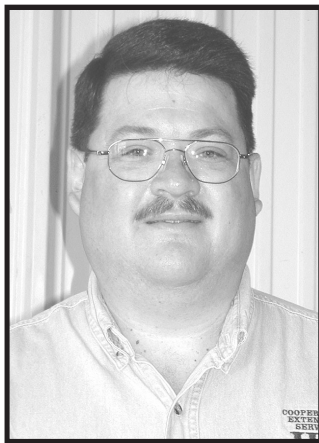


Downey Mildew Strikes Ky. Cucurbits



Eric Baker
Estill County Extension
Agent for Agriculture &
Natural Resources

On July 27, 2021 cucurbit downy mildew was confirmed on cucumber in south-central Kentucky. Cucurbit downy mildew was reported in Knoxville, Tennessee last week and across the eastern and northeastern U.S. Disease is likely widespread across the area.

Downey mildew affects all cucurbits (pumpkin, melons, and squash). Timely action now can help reduce severe losses to downy mildew later. Downy mildew is an explosive disease. Entire pumpkin, melon, and squash

plantings can be lost to this disease within a week after symptoms first appear if fungicides are not applied.

Home gardeners: Use good management practices, including adequate fertility and irrigation management (water early if irrigating overhead). In the case of powdery mildew, removal of heavily affected foliage (assuming the entire plant is not consumed) can remove a substantial amount of inoculum. Homeowners can use over-the-counter vegetable fungicides that contain chlorothalonil, mancozeb or maneb (maneb only on pumpkins and winter squashes), or fixed copper. Sulfur products are also very effective against powdery mildew, and downy mildew to a lesser extent. Just be mindful that sulfur can burn foliage if the air temperatures exceed 90 degrees Fahrenheit. Another, easy-to-use remedy is baking soda at 1-3 teaspoons per gallon of water for best results.

With all fungicides, regular applications are

critical. During favorable weather, spray every 5-7 days and during drier and hot weather, extend the schedule to every 7-10 days. Coverage of upper and lower leaf surfaces is important to achieve good control, as is starting the spray program before disease is seen, or when symptoms first appear. The latter will serve for powdery mildew; however, for downy mildew, preventive sprays are a must. Controlling downy mildew will require some type of fungicidal spray; products that will provide some control include chlorothalonil, mancozeb or maneb, and fixed copper. Sulfur is somewhat suppressive as well.

Organic Producers: Follow the guidelines as listed above for good management practices. OMRI-approved fungicides are limited to some sulfurs, some fixed coppers, and potassium bicarbonates. Check product labels to verify that they are approved for organic production. Powdery mildew will

be controlled with sulfur and suppressed by fixed copper if the materials are applied preventively and in a timely fashion. Potassium bicarbonates are also effective against powdery mildew, but have no residual activity and must be applied regularly. Against downy mildew, fixed copper will be the best bet. There are also biopesticides and biorationals such as Serenade (Bacillus subtilis) and neem oil that show some suppressive activity. With all products available to organic producers, as with home gardeners, good coverage and timeliness are critical to have any hope of controlling either powdery or downy mildew effectively.

For more information on garden pest control, contact the Estill County Cooperative Extension Service at 723-4557.

Educational programs of the Cooperative Extension Service serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expressions, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability.

Wishing Well®

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

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.

©2021 King Features Syndicate, Inc.

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: Y equals T

OQBD F LFD YZKBT YS USLIBA RSJ
YS NJR F NSFY, OSJAC RSJ
USDTKCBZ KY F TFKAT IKYUQ?

©2021 King Features Synd., Inc.

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.

PUH WQHJPHBP WYGPB XKI
OJE WYCH XKIQ OUYSFQHE JQH
PUH QKKPB KG QHBZKEBYVYSYPX
JEF PUH TYEWB KG
YEFHZHEFHEOH.
— FHEYB TJYPSHX

©2021 King Features Synd., Inc.

Daisy fleabane

Often dismissed as weeds, these plants provide nectar and pollen for bees, flies, wasps and butterflies. Some insects, and animals such as deer, rabbits, groundhogs and livestock may feed on the entire plant. Daisy fleabane grows best in fields, along roadsides and around waste areas and helps to reduce soil erosion. — Brenda Weaver

Source: www.illinoiswildflowers.info

© 2021 by King Features Syndicate, Inc. World rights reserved.

Birdling BITS

BY Cindy Brook

Wasp-Free Zone

A sure way to keep wasps off of your hummingbird feeder is to make sure the feeder doesn't have any yellow on it. Wasps are attracted to yellow like hummers are attracted to red. So if you want hummers instead of wasps, keep those feeders red.

E-mail: birdingbits@cfl.rr.com
© 2014 King Features Syndicate, Inc.

King Features Puzzle Answers

BIBLE WORD SEARCH

Answers

FLTEIHRBBBN
DWHRTWTABO
NTILUIDET
AMLCBLGNON
HACEKLIANE
FYOEDERSLYE
AQMSRIDUYE
RWEETENSQCS
OBSERVEHFC
EAXHTIWTNW

CRYPTOQUIP

When a man tries to compel you to buy a boat, would you consider it a sales pitch?

answer
CRYPTOQUIP

— Denis Watley

The greatest gifts you can give your children are the roots of responsibility and the wings of independence.

answer
CRYPTOQUOTE

SCRAMBLERS

solution

1. Trifle 2. Turn;
3. Sober; 4. Tingle

Today's Word
SINGLE

Stickelers Answer

"Always go to other people's funerals, otherwise they won't come to yours."

— Yogi Berra

Bible Word Search, Scramblers & Stickeler's Puzzles are on Page 13

Puzzle Answers August 4, 2021

Puzzles4Kids

Answer

GREASY	Y	GEARS
CORNEA	O	CRANE
UNSEAL	U	LEANS
CATERS	A	CREST
RASHER	R	HARES
KINDER	E	DRINK
LANCES	S	CLEAN
ADORES	O	READS
SELECT	C	SLEET
MOTORS	O	STORM
PIANOS	O	SPAIN
LABELS	L	BALES

FEAR & KNOT

answer

S	H	F
H	E	A
S	M	N
E	P	O
L	B	E
F	L	B
U	E	L
C	O	A
K	R	S

Letter Box

Solution

N	P	B	T	R	I	E	U	L
T	U	E	L	B	P	N	R	I
R	I	L	U	E	N	T	P	B
B	L	U	E	P	R	I	N	T
E	T	P	I	N	L	U	B	R
I	R	N	B	T	U	P	L	E
U	B	T	P	L	E	R	I	N
P	E	R	N	I	B	L	T	U
L	N	I	R	U	T	B	E	P

Even Exchange answers

1. Envoy, Enjoy
2. Glare, Glade
3. Deluge, Delude
4. Model, Motel
5. Welder, Wilder
6. Purse, Pulse
7. Radio, Ratio
8. Stride, Strike
9. Timer, Tiger
10. Cannon, Canyon

King Crossword

Answers

Solution time: 23 mins.

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

THEY'LL DO IT EVERY TIME

SENIOR MOMENTS

BY THE WAY WHAT'S YOUR NAME?

HOW SOON DO YOU HAVE TO KNOW?

Thank to DONNA ALESHIRE, SARASOTA, FL. 9-12

BY AL SCADUTO

SAY WHAT? DIRECTIONS

YAGOBACKTHREELIGHTSTURNLEFT ATTHEPIKEGOTWOLIGHTSTURNRIGHT ATLEFFBERRYTWOBLOCKSUNDERTHE OVERPASSILYACOMETOALUNCHWAGON GONORTHEAST AND YOU CAN'T MISS IT...OKAY, LADY..LET'S KEEP IT MOVIN'....

©1999 by King Features Syndicate, Inc. World rights reserved. AL SCADUTO.

BEFORE THE "I DO'S"

DON'T KISS ME, GOOMBATZ.. I THINK I'M COMING DOWN WITH A COLD...

AW, SWEETCAKES.. I'D GLADLY EXPOSE MYSELF TO BERIBERI JUST TO SMOOCH WITH YOU...

Thank to V. CAGGIANO, SANTA MONICA, CA.

AFTER

WELL, 'BYE, DEAR.. SNIF..

YOU GOT A COLD? STAND BACK! STAND BACK! I DON'T WANNA CATCH IT... KEEP ACTIVE..SWEAT IT OUT.. S'LONG!

Amber Waves

MY DAD KEEPS BRAGGING TO EVERYONE ABOUT THE FISH HE CAUGHT YESTERDAY.

I'M GOING TO SIT HERE UNTIL I CATCH A FISH THAT'S BIGGER THAN HIS.

...OR UNTIL OUR SHOW STARTS AND I COME UP WITH A BETTER STORY.

©2014 by King Features Syndicate, Inc. World rights reserved.

Weekly SUDOKU

Solution

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

Answer

Bible Trivia Answers

Test Your Bible Knowledge: with 1,206 multiple-choice questions by columnist Wilson Casey, is available in bookstores and online.

ANSWERS (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)