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Warmer weather brings more pest problems. Horn flies and face flies are key pests of Kentucky cattle. Both species breed in fresh manure piles, but they present different threats and management problems. Fortunately, you have a variety of fly control options.

UK entomologists explain that horn flies are blood feeders. They remain on animals most of the time, taking 20 to 30 small blood meals per day. More than 100 flies of each animal every day during the fly season can mean 12 to 15 pounds lower weaning weights for spring calves and poor gains for older animals. The close association between the horn fly and the animal, however, does make many control methods quite effective.

On the other hand, face flies spend about 90 percent of their time resting

Fly Control on Cattle

ing and they only visit animals to feed on liquids around the eyes and face. This makes some fly control methods more effective than others because face flies visit hard-to-treat areas for very short time periods.

One control option is insecticide-impregnated cattle ear tags which release small amounts of an insecticide distributed over the animal during grooming or rubbing. In general, ear tags provide excellent, long-term control of horn flies and some brands also reduce face fly numbers. Another advantage is that animals only have to be handled once.

Read the label before you use insecticide ear tags. All tags are labeled for beef cattle while only those with certain active ingredients are approved for use on lactating dairy cattle. For fly control, it is best to tag animals after horn fly numbers reach 50 or more per side. This reduces the chances of developing resistance to the active ingredients that are being used. Normally, tags provide 12 to 15 weeks of fly control. Tagging too early in the season can mean the tags are not providing control in the fall that will help to control the over-

wintering population. Another method of control is pour-on products. These are ready-to-use formulations that are applied to animals in measured doses based upon body weight. Horn flies are killed as they land on treated areas of the animal and pick up the insecticide through their body.

Typically, pour-ons provide about four weeks of fly reduction so you must reapply at intervals or use in combination with other methods. The length of control will vary with weather and other factors, so treat again when fly numbers build back up to about 100 per side but no sooner than the label instructions allow. Many cattle producers like to use self-application devices, such as dust bags, back rubbers, or automatic sprayers for pasture fly control. You can purchase ready-made or assemble from easily found materials. These devices can do a very effective job of horn fly control and may provide satisfactory to excellent face fly control. All require regular inspection and service to be sure they are working properly and may not be as mobile as other fly control systems.

Location is important for these fly control meth-

ods. You must put them where animals can regularly use them. The number you need will vary with herd size, pasture area and other factors. The ultimate goal is to get each animal regularly treated.

Horn flies and face flies breed in cattle droppings in pastures. Animals consuming an insecticide that passes through the manure can make it toxic. Mineral blocks or loose supplements are available which contain fly control products. This method is only part of a total fly-control program because horn flies and face flies move in from nearby herds. Supplemental control though the use of dust bags or backrubbers is needed to deal with these "fly-ins".

Beef cattle producers have many alternatives for pasture fly control. Cost, effectiveness, past control history and herd management practices help to narrow this list. For more information on fly control, contact the Estill County Cooperative Extension Service at 723-4557.

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Wishing Well®

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

AOJX VOA CK EVF ACM PDDGF
IVFNF UTGBJ ENPRF UTTEIFPN PGG
RPX: KFI XTNB JTLB FHLVPKMF.

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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.

LP NPIC XJ LP EBWXZC HXLM
LMC MCEZL; LP EBWXZC XJ LP
NPIC HXLM LMC WXR B.
— LMCP SMXNC TEDLXCZ

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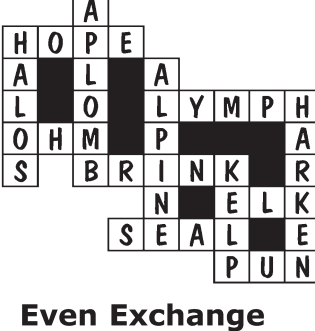
Puzzle Answers

June 16, 2021

Puzzles4Kids

Answer
What do eggs tell their dads on Father's Day?
Your dad yolks crack me up.

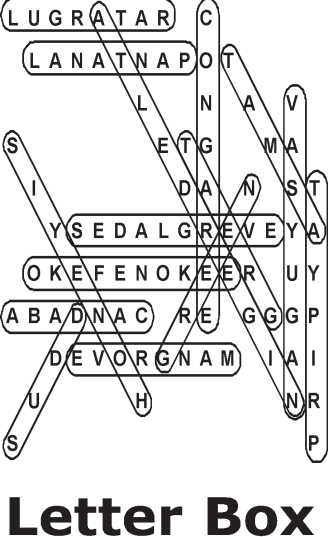
FEAR KNIGHT



Even Exchange answers
1. Martin, Marlin 6. Fried, Freed
2. Crown, Frown 7. Sundae, Sunday
3. Batter, Butter 8. Morse, Mouse
4. Throat, Threat 9. Leader, Lender
5. Peppy, Puppy 10. Blast, Boast

King Crossword

Solution time: 22 mins.



Letter Box

Solution

R	T	H	F	A	C	U	B	E
C	E	A	H	U	B	F	T	R
B	U	F	T	E	R	C	A	H
T	H	E	A	C	F	B	R	U
U	F	R	B	T	H	E	C	A
A	B	C	E	R	U	H	F	T
H	C	U	R	B	T	A	E	F
F	A	T	C	H	E	R	U	B
E	R	B	U	F	A	T	H	C

Weekly SUDOKU Answer

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

Bible Trivia Answers

ANSWERS (1) Old; (2) David; (3) Job; (4) Peacemakers; (5) Esther; (6) Daniel

The Garden Bug

Ashe's Calamint

Also known as "Ashe's Savory" or "Ohoopie Wild Basil," the rare *clinopodium ashei* is one of many kinds of mint growing in the wild. It has gray-green foliage and light pink or pale purple blossoms, and can grow as high as 3 feet. It is a threatened species, growing only in a few sandy dunes, low scrub and roadside patches of Florida and Georgia. It is named after William Ashe (1872-1932), a botanist and forester.

— Brenda Weaver

Sources: gakrakow.github, flawildflowers.org

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Birding BITS

BY Cindy Brook

New Seed Blend

I've been filling a hanging tray feeder with safflower seed and unsalted peanuts. Sure, cardinals love both of these foods, but so do titmice, wrens, chickadees, finches and some warblers. And while woodpeckers don't eat safflower, they come for the peanuts. All bases are covered!

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Stickeler's Answer

Stickelers Answer

Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH

Answers

FOREVER T L S
DAER BWEA L T
WHOEVER H I A
E E H D A G X T W E
T F V C N E V A E H
W T I I I W P V R X
O D V L L H O E O S
R I M O R F W D F I
L E V I G C A M E H
D H S E L F G S S T

day: New York Sock Exchange
where folks trade footwear all
Busy hub in the Big Apple
answer
CryptoQuip
— Theophile Gautier
love with the mind.
To love is to admire with
the heart; to admire is to
answer
CryptoQuote

Bible Word Search on Page 7

"I gotta hang up now and help Mom. She's coming in _____."

SCRAMBLERS

Unscramble the letters within each rectangle to form four ordinary words. Then rearrange the boxed letters to form the mystery word, which will complete the gag!

Sever CHATED

Pole TILTS

Devour SETING

Tallied DECORS

TODAY'S WORD