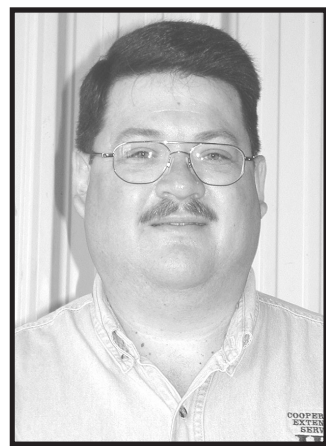


Preparing grain storage systems for harvest



Eric Baker
Estill County Extension Agent for Agriculture & Natural Resources

According to UK Extension professor of Biosystems and Agricultural Engineering Sam McNeill, preserving the quality of your corn and soybeans will help avoid price discounts when you deliver grain to the elevators and other markets, so it's important that you place great care and attention on the post-harvest phase.

The National Agricultural Statistics Service estimates that Kentucky farmers will produce 258.8 million bushels of corn and 99.4 million bushels of soybeans this year. Considering the statewide average prices for January delivery are \$3.85 for corn and \$9.80 for soybeans, the combined value of these crops is more than \$1.9 billion. While it is financially advantageous to store the grain for this winter's higher prices, you must

carefully monitor stored grain to preserve its quality. No one wants to have a load rejected at the elevator because of insect or mold problems caused during storage. To prevent this worst-case scenario, grain pits, conveyors, dryers and bins should be thoroughly cleaned prior to harvest to avoid mixing old, potentially mold-infested grain with the incoming crop. It may take you a fair amount of time, care and energy, but it is worth it to avoid price discounts from musty or sour grain. These discounts can range from 5 to 10 cents per bushel, respectively, which translates to losses between \$50 to \$100 for a typical load of grain.

Older conveyors and the bottom boot of bucket elevators will likely have a small amount of residual grain in the corners of the housing, so you may have to remove a portion for thorough cleaning. A small, wet-dry vacuum is usually adequate to clean hard-to-reach corners and a disposable respirator or half-mask with clean filters is advised to protect lungs from dust and mold spores when working in close quarters and confined spaces.

Grain dryers will often have a few kernels that remain on the inside ledges, and screens should be free of foreign material and heavy dust

that often accumulates during operation. Refer to the operator's manual for a complete check list prior to harvest for each specific dryer and be sure the fans and burners are working properly. Be sure to have a fully charged fire extinguisher nearby as a safety precaution during harvest, and inspect the electrical panel and junction boxes for insect nests and rodent damage to wiring insulation.

Grain bins have a lot of cracks and crevices where broken grain can go unnoticed along with the insects and mold spores that are prone to infest them. Clean the upper side of ladder rungs and ledges above doors, along with in-floor aeration ducts, where feasible. You can use a coarse broom to remove as much material as possible and follow it up with a vacuum for more thorough cleaning. You may have to use a shovel, pipe or compressed air to remove clumps of grain that often cling to the wall. To prevent the clumps of grain from falling on or injuring you or another worker, always approach these areas from the top of the bin and make sure no one is standing below the clump before beginning. Wear dust protection and always lock-out the switch box on unloading auger motors before entering the bin for

cleaning to prevent unintentional operation.

Cleaning the area outside the bin is also important. High vegetation can be a breeding ground for insects, which can migrate to and feast on your grain. Mow the area around the bin often or control vegetation with an approved herbicide. Run the aeration fan and mark any leaks along the bottom bin ring and concrete foundation. Then, turn off the fan and seal them with caulk or expanding foam. Remove any spilled grain around the bin and pit area prior to harvest and routinely during harvest as needed, as it can be attractive for rodents and insects.

Review general safety suggestions for working around grain facilities with all employees and inspect personal protection equipment for wear. Be sure to have ample supplies of PPE on hand prior to harvest and replace as needed during the storage period.

For more grain harvest tips, contact the Estill County office of the University of Kentucky Cooperative Extension Service at 723-4557.

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Wishing Well®

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

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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: S equals G

R'DH WHYRPRMHEO JHHP SNRPS
JTEW ETMHEO. MN JH GNPHIM, R
YRPW MGTM DHXO WRI-MXHIIRPS.

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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.

IGYWQ CWDNYGO WGY DZQ
IGYWQ SYNWFOY ZM QEYXG
QYNEDXAFY, QEYV WGY IGYWQ
SYNWFOY ZM QEYXG BWOXZD.
— KWGQEW IGWEWK

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Puzzle Answers September 16, 2020

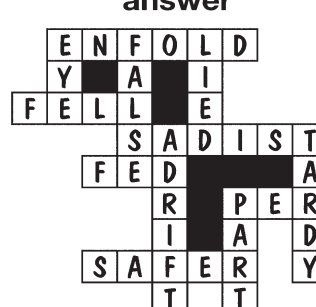
Puzzles4Kids

Answer



FEAR & KNIGHT

answer



Even Exchange

- answers
1. Fellow, Follow
 2. Storm, Story
 3. Aerie, Eerie
 4. Outfit, Outwit
 5. Jacket, Packet
 6. Allen, Alien
 7. Brine, Bride
 8. Poster, Potter
 9. Court, Count
 10. Sleep, Sweep

King Crossword

Answers

Solution time: 25 mins.



Weekly SUDOKU

Answer

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

Letter Box

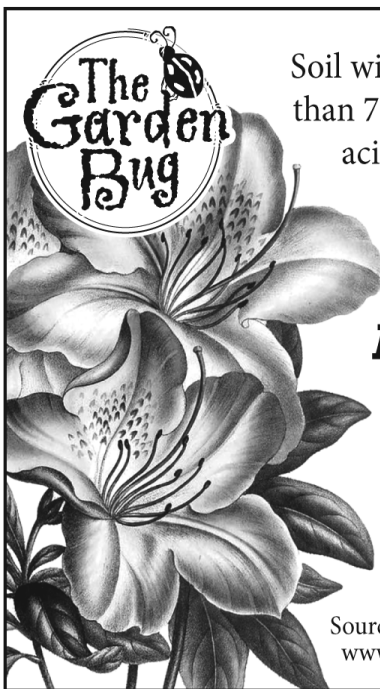
Solution

N	T	I	E	J	P	O	A	H
H	O	P	I	N	A	J	E	T
E	J	A	H	O	T	I	N	P
J	E	T	O	I	H	N	P	A
I	P	N	T	A	E	H	J	O
A	H	O	J	P	N	T	I	E
O	N	E	P	H	I	A	T	J
T	I	H	A	E	J	P	O	N
P	A	J	N	T	O	E	H	I

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) Nathan; (2) Nicodemus; (3) 1 Timothy; (4) Jonathan; (5) Hannah; (6) Nicodemus; (7) 1 Timothy; (8) Nicodemus; (9) 1 Timothy; (10) Nathan.



Soil with a pH level above 7 is alkaline and less than 7 is acidic (7 is "neutral"). Plants that like acidic soil include azaleas, rhododendrons, hydrangea, gardenias, camellias, holly shrubs, crepe myrtles, calla lilies and pine trees. To increase the acidity of

Acidic soil your soil, you can mix ground rock sulphur into it, using 1.2 oz. per square yard for sandy soils and 3.6 oz. per square yard for all other soils. You can also add sawdust, composted leaves and peat moss to lower the soil pH. - Brenda Weaver

Sources: www.thegardenhelper.com, www.gardeningknowhow.com



Birding BITS BY Cindy Brook
Peanuts in the Shell
Nothing brings birds into your yard like raw or roasted, unsalted peanuts in the shell. Birds simply love them. And these are not just the bigger birds like blue jays, crows and woodpeckers. I've seen smaller birds like wrens, titmice and cardinals carry these gems off as well.

E-mail: birdingbits@cfl.rr.com
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Bluegrass Greensource Main Street Clean Sweep at the Estill Courthouse

Join Bluegrass Greensource for a socially distanced community litter cleanup in the Main Street Clean Sweep on Thursday, September 17, 2020, starting at the Estill County Judge/Executive's office in the courthouse in Irvine.

Bluegrass Greensource is hosting its seventh annual Main Street Clean Sweep throughout the month of September by partnering with local community coordinators to host litter cleanup events throughout 16 communities in the Central Kentucky area.

Last year's Main Street Clean Sweep event resulted in more than 1,000 volunteers picking up over 150,000 bags of trash. This year's event was rescheduled from the spring and will be focused around National Cleanup Day, September 19th. Bluegrass Greensource is working with the partner communities and sponsors to ensure that all COVID-19 related safety measures are in place for each cleanup.

"Main Street Clean Sweep is a great opportunity for families and individuals to come together and help our local environment," says Amy Sohner, Executive Director of Bluegrass Greensource. "Being outside, and part of a socially distanced large, regional event will help us all feel empowered in a way that we haven't been able to since the pandemic started."

Clean ups are scheduled throughout the central Kentucky area. For more information and to find a Main Street Clean Sweep event near you, go to www.bggreensource.org/mscs. There you will find a list of participating communities as well as event details.

Stickeler's Answer

Stickelers Answer

The answer is 7.5 hours.

Her new time is 4/3 T. So 4/3 T = T + 5/2

$$4/3 T - T = 5/2$$

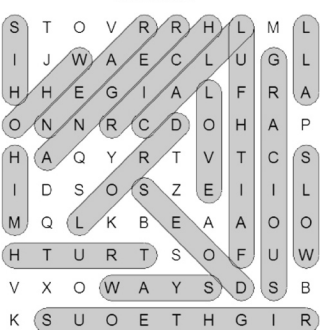
$$4T - 3T = 7.5$$

Stickeler's Puzzle on Page 7

Puzzle Answers

BIBLE WORD SEARCH

Answers



find that very dis-tressing.
I've definitely been going bald lately. To be honest, I

answer
Cryptoquip

— Martha Graham
because of their passion.
technique, they are great
great dancers are not

answer
Cryptoquote

Bible Word Search on Page 7

Jack Walling GRAVEL HAULING & DOZIER WORK

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