

Eric Baker **Estill County Extension** Agent for Agriculture & Natural Resources

A recent study led by specimens of both species Martin Nielsen, assistant to study and find differences Gluck Center involved in professor at the University of Kentucky Gluck Equine Research Center, found that apart is to look at their chro- in veterinary science; Euall veterinary medicine textbooks have misidentified a leading expert, Dr. Clara Teri Lear, associate profescommon equine parasite.

The large equine roundworm Parascaris equorum, us the delicate technique of with Jianbin Wang, assiscommonly referred to as the parasite karyoptyping." ascarid, which is known for infecting foals, is actually a nique to study and charac- sity of Colorado School of different species-Parasca- terize chromosomes in a Medicine; and Clara Goris univalens. The research sample of cells. suggests P. univalens is the main species now observed worms were obtained and The article was published in equines. The broader dissected. All of the samples in the December issue of designation Parascaris spp. should be used instead unless cytological characterization (a technique for char- ascarid eggs from foal fecal acterizing chromosomes) samples. P. equorum was has confirmed the species.

"Parascaris univalens is whereas P. univalens was

Study finds common equine parasite misidentified in textbooks really the forgotten para- found in 17 samples, with Agriculture, Food and Ensite," Nielsen said. "It is al- the remaining eight being vironment, is scientific dismost never mentioned in the inconclusive.

textbooks, and most people

were identified as P. univa-

lens. Then, the karyotyping

not identified among these,

ing equids.'

identical.

"We were part of another have only heard about one study analyzing numerous for the benefit of the health roundworm species infect- Parascaris specimens from several different continents, P. univalens was discov- and the conclusion there ered more than 130 years was that only one species was found," Nielsen said. ago. The species only possesses one germ line chro-"We compared genetic inmosome pair as opposed formation obtained for P. to two for P. equorum, but univalens in our study with the two species are othergene codes already pubwise considered structurally lished as P. equorum and found that they were prob-"We really wanted to find ably mislabeled."

Others from the UK http://www.ca.uky.edu/ in their DNA," Nielsen said. the study were Jennifer "The only way to tell them Bellaw, a doctoral student mosomes, so we invited a gene Lyons, professor; and Goday, to the Gluck Equine sor. The group from the UK Research Center to teach Gluck Center collaborated tant professor, and Richard Karyotyping is a tech- Davis, professor, Univerday at Centro de Investiga-For the study, 30 live ciones Biologicas in Spain. Parasitology Research.

The mission of the Gluck technique was performed on Center, a UK Ag Equine program in the College of



out!

Livestock Indemnity Program (LIP)

The Livestock Indemnity Program (LIP) provides assistance to eligible producers for livestock death losses in excess of normal mortality due to adverse weather and attacks by animals reintroduced into the wild by the federal government or protected by federal law. LIP compensates livestock owners and contract growers for livestock death losses in excess of normal mortality due to adverse weather, including losses due to hurricanes, floods, blizzards, wildfires, extreme heat or extreme cold.

For 2015, eligible losses must occur on or after Jan. 1,2015, and before December 31, 2015. A notice of loss must be filed with FSA within 30 days of when the loss of livestock is apparent. Participants must provide the following supporting documentation to their local FSA office no later than 30 calendar days after the end of the calendar year for which benefits are requested:

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	3	2	4	5	2	3	4	3	8	6	3	4	6
	U	I.	R	Е	Ν	I	L	S	Υ	0	Е	Ι	В
	4	6	7	6	4	6	2	6	7	6	7	2	7
	F	А	L	S	Е	Ι	Е	С	D	S	А	D	Υ

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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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. RCRFL NPWDTL KPO P AKGDAR GN XRRVDMU IV

BDYK YKR MRDUKSGFO GF

YKR AFREDYGFO.

GSOAIFR GFDUDM

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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: O equals P

ODOQPLF VHMSDN LCDQM L

ZLNHPX DZ ZLVBHDW SPDMBHWK

GUVHKWUFV: "URUFXCDGX

PDRUV FLHNUWM."







Thursday, Friday, Saturday, March 26th, 27th & 28th

Hunter's Education Class (Orange Card)

There will be a Hunter's Education Class (orange card) at the Estill County Extension Office. The 3-day class will be Thursday and Friday, March 26th & 27th from 6-9 p.m., and Saturday, March 28th starting at 9 a.m. at the Estill Co. Sportsmen's Club. You must attend all 3 classes to obtain your orange card. Ages 9 and older (as of March 28). Effective March 1, 2014, KY Dept. of Fish & Wildlife requires online pre-registration for all hunter education courses statewide. Following is the registration link for the Estill County class: http://www.registered.com/events/view/57999 For more information, call the Estill County Extension Office at 606-723-4557. Educational programs of the Cooperative Extension Service serve all people regardless of race, color, sex, religion, disability or national origin.

covery, education and dis-

semination of knowledge

and well being of horses.

The Gluck Center faculty

conducts equine research in

six targeted areas: genetics

and genomics, infectious

diseases and immunology,

musculoskeletal science,

parasitology, pharmacol-

ogy/toxicology and repro-

For more information

Cindy Brook

on the Gluck Center, visit

ductive health.

Weed Watch

I keep my backyard in a very

natural state and do not use

pesticides. What may look like an ugly weed really is not to

the bees that come to my yard.

I love to watch them climb in

and out of flowers drinking the

nectar. Nature has it all figured

E-mail: birdingbits@cfl.rr.com

gluck

Farm N

Thursday, April 2, 2015, 9am-4pm

Tree Seedlings Giveaway

The Estill County Conservation District will have tree seedlings to give to Estill County landowners on Thursday, April 2. Seedlings will be given on a first come limited basis, as long as the trees last. Seedlings may be picked up at the Estill County Conservation District office building located at 1505 Richmond Road, Irvine, across form Bunt Gross Auto, between the hours of 9:00 a.m. to 4:00 p.m.

The species available will be: Eastern Redbud, Cypress, Washington Hawthorn, Persimmon, Pecan and White Pine.

Starting April 1, 2015

Beef Producers Approve Check Off

Kentucky beef cattle producers voted to assess themselves an additional \$1 per head on cattle marketed in Kentucky in a statewide referendum held in November.

Producers who pay the assessment may request a refundfromtheKentuckyCattlemen'sAssociationinwriting within 30 days of the date that the assessment is collected.

For more information, contact Dave Maples at (859) 278-0899 or dmaples@kycattle.org.



Stickeler's Answer on Page 11

- Proof of death documentation
- Copy of growers contracts
- Proof of normal mortality documentation

USDA has established normal mortality rates for each type and weight range of eligible livestock, i.e. Adult Beef Cow =1.5% and Non-Adult Beef Cattle (less than 400 pounds) = 3%. These established percentages reflect losses that are considered expected or typical under "normal" conditions. Producers who suffer livestock losses in 2015 must file both of the following:

• A notice of loss the earlier of 30 calendar days of when the loss was apparent or by January 30, 2016 •An application for payment by January 30, 2016.

Additional Information about LIP is available at the Richmond FSA office or online at: www.fsa.usda.gov. For more information, contact the Farm Service Agency at 859-624-1980 x 2.

USDA is an equal opportunity provider, employer and lender.

BROWN FARM MEATS located inside Discount Tobacco 389 Richmond Road in Irvine, KY M-F, 9-6, Saturday, 9-Noon (606) 643-5107 or (606) 643-5758 Kentucky Proud Certified Home-Grown Corn-Fed USDA-Inspected Call for pickup or delivery! We sell any size quantities! **Products** Boston Butt Pork Roast. \$3⁵⁰/Lb. (Great for Pulled Pork) \$350/Lb. Ham Cutlets \$3⁵⁰/Lb. (Similar to cube steak, only ham) Bacon \$4²⁵/Lb. \$3⁵⁰/Lb. Jowl Bacon \$**4**⁵⁰/_{Lb}. Pork Tenderloin \$4⁵⁰/Lb. Pork Chops \$4⁰⁰/Lb. Spare Ribs \$3⁵⁰/Lb. Country Style Ribs \$3⁵⁰/Lb. Baby Back Pork Ribs \$3⁵⁰/Lb. Spark Burgars \$4⁰⁰/Lb. Baby Back Pork Ribs \$400/Lb. Pork Burgers \$400/Lb. (Ground, pattied pork with no seasoning) \$400/Lb. Bundle Packages 1/4 Processed Hog \$115⁰⁰ 1/2 Processed Hog \$210⁰⁰ Whole Processed Hog \$440⁰⁰