Our first winter meeting of the year will take place on Thursday January 5th, at 6:00 pm at the Madison County Extension Office, 230 Duncannon Lane, Richmond. The topic will be centered around managing negative effects of E+ Tall Fescue on beef cattle performance.

Dr. Ray Smith, UK Extension Forage Specialist and Dr. Glen Aiken, USDA-ARS Forage and Animal Production Research Unit Director, will be discussing how E+ Tall Fescue affects reproduction, temperature stress, and nutrition in cattle as well as options for renovating or replacing Tall Fescue pastures or hayfields. A new variety of Tall Fescue named Texoma has been released that contains a “friendly” endophyte and we will be sharing our initial experience with it from a local test plot here in the county.

A meal will be served so call 859-623-4072 if you plan to attend, so we will have enough food.

*This meeting qualifies for CAIP educational credit.*

**BEEF MANAGEMENT 101**

Presented by students from The University of Kentucky Beef Science Class and Dr. Darrh Bullock, UK Extension Beef Cattle Specialist. Covering Basic Management Practices in:  ● Health  ● Genetics  ● Nutrition  ● Reproduction

If you would like to learn more about general beef cattle management recommendations, make plans to attend our upcoming meeting on Monday December 5th at 6 pm at the Madison County Extension Office.

Animal science undergraduate students from the University of Kentucky and University of Kentucky beef extension specialist, Dr. Darrh Bullock will be on hand to present information on nutrition, reproduction, genetics and health as it pertains to beef cattle.

If you are new to the cattle industry, thinking about buying a few cattle, or just curious about what is involved in raising cattle, I think you will enjoy this meeting. These animal science students have been working hard to bring you a great program. Come out and support them!

*This meeting will qualify for CAIP educational credit, and we will have a meal, so please call in to reserve your spot. 859-623-4072.*

**CPH-45 SALE DECEMBER 7TH**

Our fall CPH-45 feeder calf sale will be held at the Bluegrass Stockyards of Richmond on Wednesday December 7, 2016 at 6:00 p.m.

● The weaning deadline for calves was on October 23, 2016.
● All consignors must have a current BOA number, use approved CPH-45 tags, vaccinate and deworm, use a mineral that meets program requirements & other guidelines also required.

Give me a call, 859-623-4072, with any questions.

Sincerely,

Brandon Sears, County Extension Agent
for Agriculture & Natural Resources
859-623-4072 or brandon.sears@uky.edu

**MADISON COUNTY BEEF CATTLE ASSOCIATION ANNUAL MEETING**

The Madison County Beef Cattle Association Annual Meeting is Thursday December 8, 2016, 6:00 p.m. at the Madison County Extension Office, 230 Duncannon Lane, Richmond.

An Annual Update from the Kentucky Cattlemen’s Association will be given, & the Outstanding Service to MCBCA Award will be presented. Officers will be elected, and Door Prizes given out. Meal is a ribeye with sides. Cost is $5 for non-members, or join Madison County Beef Cattle Association & eat free! (Current MCBCA members eat free.)

Call 859-623-4072 by December 6th, to reserve your spot at our Annual Meeting and join us for an evening of food and fellowship!
The Food and Drug Administration (FDA) is amending its animal drug regulations regarding veterinary feed directive (VFD) drugs. This amendment is intended to improve the efficiency of FDA’s VFD program while protecting human and animal health. The new rule limits “medically important antimicrobial drugs” to the treatment, control, and prevention of disease but does not allow weight gain or feed efficiency claims. Secondly, the rule states that the use of medically important antimicrobials will have veterinary oversight. This will be accomplished by changing previously labeled over-the-counter (OTC) drugs used in feeds to Veterinary Feed Directive (VFD) drugs. As a result of this amendment, many drugs that are currently considered over the counter (OTC) will require a VFD, effective January 1, 2017. A list of all of the affected drugs is below.

**Drugs Transitioning From OTC to VFD Status**

<table>
<thead>
<tr>
<th>Established drug name</th>
<th>Examples of proprietary drug name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>chlortetracycline (CTC)</td>
<td>Aureomycin, CLTC, CTC, Chloratet, Chlorachel, ChlorMax</td>
</tr>
<tr>
<td>chlortetracycline/sulfamethazine*</td>
<td>Aureo S, Aureomix S, Pennchlor S</td>
</tr>
<tr>
<td>chlortetracycline/sulfamethazine/penicillin*</td>
<td>Aureomix 500, Chlorachel/Pficlor SP, Pennchlor SP, ChlorMax SP</td>
</tr>
<tr>
<td>hygromycin B</td>
<td>Hygromix</td>
</tr>
<tr>
<td>lincomycin</td>
<td>Lincomix</td>
</tr>
<tr>
<td>oxytetracycline (OTC)</td>
<td>TM, OXTC, Oxytetracycline, Pennox, Terramycin</td>
</tr>
<tr>
<td>oxytetracycline/neomycin*</td>
<td>Neo- Oxy, Neo- Terramycin</td>
</tr>
<tr>
<td>penicillin+</td>
<td>Penicillin, Penicillin G Procaine</td>
</tr>
<tr>
<td>sulfadimethoxine/ormetoprin*</td>
<td>Rofenaid, Romet</td>
</tr>
<tr>
<td>tylosin</td>
<td>Tylan, Tylosin, Tylovet</td>
</tr>
<tr>
<td>virginiamycin</td>
<td>Stafac, Virginiamycin, V- Max</td>
</tr>
</tbody>
</table>

**What is a VFD?**

A VFD is a written (nonverbal) statement issued by a licensed veterinarian in the course of the veterinarian’s professional practice that authorizes the use of a VFD drug or combination VFD drug in or on an animal feed. This written statement authorizes the client (the owner of the animal or animals or other caretaker) to obtain and use animal feed bearing or containing a VFD drug or combination VFD drug to treat the client’s animals only in accordance with the conditions for use approved by the FDA. A VFD is also referred to as a VFD order.

How will the FDA changes affect the way producers purchase these feed additives? Test your knowledge by taking the following quiz:

**Question 1 (T or F):** ______ As long as a producer buys bagged medicated feed such as Aureomycin® or medicated mineral at the feed store, he or she doesn’t need a veterinarian’s written directive.

**Answer:** False. Use of any VFD feed requires professional supervision of a licensed veterinarian (the veterinarian-client-patient relationship (VCPR) is the basis of professional supervision-see box). Producers must obtain a VFD order from his or her veterinarian, then send, or take, the VFD order to a feed manufacturer or supplier to get the VFD feed.

*Continued next page...*
Question 2 (T or F): Once a producer obtains a VFD feed, he can legally feed it to any of his cattle at whatever dose and for however many days he chooses.

Answer: False. Producers must use VFD feeds according to the label on the bag. Any usage contrary to the label by anyone is illegal under U.S. law. Animal feed bearing or containing a VFD drug or a combination VFD drug must be fed to animals based on the VFD issued by a licensed veterinarian, including:
- premises at which the animals specified in the VFD are located;
- species and production class of animals to be fed the VFD feed;
- approximate number of animals to be fed the VFD;
- indication for which the VFD is issued;
- level of VFD drug in the feed and duration of use;
- withdrawal time, special instructions, and cautionary statements necessary for use of the drug in conformance with the approval.

Question 3 (T or F): A producer can continue to feed a medicated feed already present on his or her farm even after the VFD expiration date has passed.

Answer: False. It is not legal to feed a VFD feed or combination VFD feed to animals after the expiration date specified on the VFD. A new VFD must be issued to continue feeding any VFD feed.

Question 4 (T or F): A producer must maintain a copy of the VFD order for a minimum of 2 years and provide VFD orders for inspection and copying by FDA upon request.

Answer: True. Additionally, the veterinarian is required to keep the original VFD (in hardcopy or electronically) and the distributor must keep a copy of the VFD (in hardcopy or electronically) for 2 years.

Question 5 (T or F): If a producer mixes his own medicated feed on farm, the new VFD rules do not apply.

Answer: False. Producers who manufacture their own feed must have a VFD in order to get the medicated VFD feed to manufacture from. Producers who also manufacture feed for others should be aware that they are acting as a distributor and additional requirements apply. More information on manufacturing and distributing VFD feeds as well as any of this information and more can be found online by visiting the FDA’s website at: http://www.fda.gov/AnimalVeterinary/DevelopmentApprovalProcess/ucm071807.htm

Question 6 (T or F): Water soluble drugs (those that dissolve in water) do not require a VFD.

Answer: True. However, water soluble drugs are transitioning from OTC to Prescription (Rx). All water uses of these drugs will require a prescription from a veterinarian as of January 1, 2017, except in cases where a sponsor chooses to voluntarily withdraw the approved drug application.

Water Soluble Drugs Transitioning From OTC to Rx Status

<table>
<thead>
<tr>
<th>Established drug name</th>
<th>Examples of proprietary drug name(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>chlorotetracycline</td>
<td>Aureomycin, Aureomycin, Chloro-Cycline, Chloronex, Chlortetracycline, Chlortetracycline Bisulfate, Chlortet-Soluble-O, CTC, Fernycin, Pennchlor</td>
</tr>
<tr>
<td>erythromycin</td>
<td>Gallimycin</td>
</tr>
<tr>
<td>gentamicin</td>
<td>Garacin, Gen-Gard, GentaMed, Gentocin, Gentoral</td>
</tr>
<tr>
<td>lincomycin</td>
<td>Linco, Lincomed, Lincomix, Linomycin, Lincomycin Hydrochloride, Lincosol, Linxmed-SP</td>
</tr>
<tr>
<td>lincomycin/spectinomycin*</td>
<td>Lincomycin S, Lincomycin-Spectinomycin, L-S, SpecLinx</td>
</tr>
<tr>
<td>neomycin</td>
<td>Biosol Liquid, Neo, Neomed, Neomix, Neomycin, Neomycin Liquid, Neomycin Sulfate, Neo-Sol, Neosol, Neosol-Oral, Neovet</td>
</tr>
<tr>
<td>oxytetracycline</td>
<td>Agrimycin, Citratet, Medamycin, Oxymarine, Oxymycin, Oxy-Sol, Oxytet, Oxytetracycline, Oxytetracycline HCL, Oxy WS, Pennox, Terramycin, Terra-Vet, Tetravet-CA, Tetroxy, Tetroxy Aquatic, Tetroxy HCA</td>
</tr>
<tr>
<td>penicillin</td>
<td>Han-Pen, Penaqua Sol-G, Penicillin G Potassium, R-Pen, Solu-Pen</td>
</tr>
<tr>
<td>spectinomycin</td>
<td>Spectam</td>
</tr>
<tr>
<td>sulfadimethoxine</td>
<td>Agribon, Albon, Di-Methox, SDM, Sulfabiotic, Sulfadimethoxine, Sulfadived, Sulfaed-G, Sulforal, Sulfasol</td>
</tr>
<tr>
<td>sulfamethazine</td>
<td>SMZ-Med, Sulf, Sulmet</td>
</tr>
<tr>
<td>sulfadiazine</td>
<td>S.Q. Solution, Sulf-Nox, Sulfadiazine Sodium, Sulfadiazine Solubilized, Sul-Q-Nox, Sulquin</td>
</tr>
<tr>
<td>sulfamethazine</td>
<td>Duramycin, Polyotic, Solu/Tet, Solu-Tet, Supercycline, Terra-Vet, Tet, Tetra-Bac, Tetracycline, Tetracycline Hydrochloride, Tetramed, Tetra-Sal, Tetrasol, Tet-Sol, TC Vet</td>
</tr>
</tbody>
</table>
**Madison County Fair Board Annual Equipment Consignment Auction set for January 7th**

Auction will begin at 10 am on Saturday, January 7th.
Items accepted on Wednesday, January 4th, through Friday, January 6th. **NO ITEMS ACCEPTED DAY OF SALE!**
Items are open for public viewing January 6th, from 10:00 am until 6:00 pm, and day of sale, open at 7:00 am.
Call Chuck Givens at 859-582-5822 for more information.

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**Hay Auction set for Saturday January 21st**

If you have plans to buy or sell hay this winter, mark your calendar for **Saturday January 21st at 10 am** for our annual hay auction at the Madison County Fairgrounds. The sale will take place rain or shine. **Watch for details in the January issue of this newsletter.**

This is the only hay sale in Central Kentucky where you can purchase hay that has been tested for nutrient content and that gives you an average bale weight prior to the sale. **Know what you are buying!!**

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**Madison County Beekeepers Association**

No December meeting. Meetings will resume in 2017. For details call Randy, 859-376-0332 or Debbie, 859-200-0090.

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**Plate It Up! Kentucky Proud!**

Whether it’s spring, summer, fall or winter, you can Plate It Up with delicious recipes that put a new twist on your favorite Kentucky Proud foods.

Visit [http://fcshes.ca.uky.edu/piukp-recipes](http://fcshes.ca.uky.edu/piukp-recipes) to find all the Plate It Up recipes using Kentucky Proud products.

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**Madison County Extension Office Closing Schedule**

With the closing of the year also comes the holiday closing at our office. The Madison County Extension Office will be closed December 26, 2016 through January 2, 2017. The office will re-open on Tuesday, January 3, 2017.

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As 2016 draws to a close I reflect back and am grateful for many things, especially all of the help and support that so many of you give to the Madison Extension Agriculture Program throughout the year. From local agribusinesses and commodity groups to volunteers, supporters, and various county boards, I thank you for our many partnerships and friendships.

**From my family to yours,**

**Merry Christmas to All and a Happy New Year!!!**

Brandon Sears
County Extension Agent for Agriculture & Natural Resources
859-623-4072 or e-mail brandon.sears@uky.edu

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**Program Complaint.** The Cooperative Extension Service prohibits discrimination in its programs and employment on the basis of race, color, age, sex, religion, disability, or national origin. To file a complaint of discrimination, contact Jim Lawson, UK College of Agriculture, 859-257-3879; Terry Allen or Patty Bender, UK Office of Institutional Equity and Equal Opportunity, 859-257-8927, or the USDA, Director Office of Civil Rights, Room 326-W Whitten Bldg., 14th & Independence Ave. SW, Washington, DC 20250-9410 (202-720-5964).