

Of Cows & Plows



April 2008

Farm/City Banquet

The 50th annual Whitaker Bank Farm/City Banquet is coming up Thursday, April 24th at the Capital Plaza Hotel. The event starts at 6:00 for visiting with folks and the various sponsors' booths. Dinner will be served around 6:45. Tickets are \$7.00, \$5.00 of which goes to the local WHHS & FCHS FFA chapters for helping serve. Stop by the Farm Bureau Office on Wilkinson Boulevard or the Frankfort Chamber of Commerce on the corner of Capital and Second Streets for tickets.

This year the booths will be inside the banquet room as well as the hallway and the doors will be open to allow folks to gather in the main room. Thanks to the Frankfort Arts Foundation, we will have *No Tools Loaned* playing bluegrass before the meal while folks visit the booths and with one another.

This ceremony helps promote the ties between the business and farming communities of Frankfort and Franklin County. Not only is this a great opportunity to visit with friends and grab information from the multitude of sponsor booths, but you also get a great sit down meal (the head chef WILL be cooking this time!). If you want to see who is recognized as Master Conservationist, Pioneer Business, Educator, Farmer and Outstanding Young Farmer you should plan on attending.

Alternative Fertilizer Nitrogen Sources for Tobacco Production

From **UK Soil Science News & Views**
Vol. 26, No. 3, 2006.

N source	Analysis lbs./100lbs.	To supply 100 lbs. N lbs./A	Weeks after application		
			0	3	6
			----- % of fertilizer N as NO ₃ -N -----		
Ammonium Nitrate	34-0-0	294	50	80	90
Dolomite Amm. Nitrate	27-0-0	370	50	80	90
Ammonium Sulfate	21-0-0	476	0	60	80
Anhydrous Ammonia	82-0-0	122	0	20	65
Urea	46-0-0	217	0	50	75
UAN Solution	28-0-0	357	25	60	80
UAN Solution	30-0-0	333	25	60	80
UAN Solution	32-0-0	313	25	60	80
Potassium Nitrate	13-0-44	769	100	100	100
Sodium Nitrate	16-0-0	625	100	100	100
Calcium Nitrate	15.5-0-0	645	100	100	100
Sodium-Potassium Nitrate	15-0-14	667	100	100	100

Stop by for a complete reprint of the report and the new Nitrogen recommendations.

FORAGE NEWS

For more forage information, visit our UK Forage Extension Website at: <http://www.uky.edu/Ag/Forage>

March 2008

VALUE AND AMOUNT OF NITROGEN FIXED BY VARIOUS LEGUMES

Crop	N fixed, lb/A/year	N value, \$, @		
		45¢/lb	55¢/lb	65¢/lb
Alfalfa	150-250	68-113	83-138	98-163
Red clover	75-200	34-90	41-110	49-130
White clover	75-150	34-68	41-83	49-98
Vetch, lespedeza, and other annual forage legumes	50-150	23-68	28-83	33-98

SOURCE: Adapted from Southern Forages 2007

FCCA Bulk Mineral Order

Call the office by April 14th with your order. Pick-up is noon – 1:00 p.m. on the 16th if weather cooperates. Plan to meet the truck at 12:00 to make loading easier.

Prices are estimated due to volatility of the ingredient market. We should have firm prices by April 9th. Michael Peterson, KNS, says this is due to high fuel transportation costs, ingredients diverted to fertilizer among other factors.

Even at \$16 a bag your cost is only \$0.02 an oz. Animals should consume 4 ounces per day on average. This equates to less than \$30 a cow per year. Still a bargain if it means getting the cow bred or keeping the calf to term and birthing a live calf!

UK recommends feeding High Magnesium when daytime temperatures are consistently in the 60's.

Formulations

- | | |
|--|---------|
| 1. UK Cow/calf Basic
#5648 50lb bag | \$12.00 |
| 2. UK Beef Stocker w/ Monensin*
#5880 50lb bag | \$15.00 |
| 3. UK Beef IRM w/ High-Magnesium
#5881 50lb bag | \$13.50 |
| 4. KNS w/ High-Mag & Monensin*
#5379 50lb bag | \$15.00 |
| 5. KNS Sheep Mineral Mix (low copper)
#5570 50lb bag | \$12.00 |
| 6. KNS Pasture Mix w/ V-A + CTC (pink eye)
#5898 50lb bag | \$14.00 |
| 6. White Salt (for limit feeding)
#3063 50lb bag | \$ 3.80 |
- *Toxic to horses, ponies, etc

The UK mixes are the new updated UK Beef IRM recommendations and bagged by Kentucky Nutritional Services (KNS) of Lawrenceburg. Goat and horse mixes also available, call for prices. Visit their website for more details: <http://www.kynutri.com/index.cfm>

“Earth provides enough to satisfy every man's need, but not every man's greed” – Mahatma Gandhi

Poison Hemlock



Is this plant invading your pastures? Poison Hemlock is frequently found along tree & fence lines and disturbed areas. As a general rule, livestock will not willingly consume it. Curious young animals or malnourished stock may try a taste or accidentally ingest it when feeding around it. The plant is toxic and can also cause birth defects such as turned under hooves on calves.

Right now the plant is about a foot tall or so. Regular clipping will eventually wear this biennial out. Chemical control includes glyphosate (Roundup), Crossbow, and Banvel and now is the time to spray before it gets too big!

Also the time to get those thistles while they are still in the rosette stage. Need help? Call for info on spraying assistance.

Calendar of Events

April 17
- KSU Third Thursday.

April 19
-Farmers Market opens downtown

April 24
- Farm/City Banquet, Capital Plaza Hotel.

Kentucky Agricultural Relief Effort (K.A.R.E.)

We're starting to get a lot of inquiries from the recent press releases on "tobacco settlement money for drought relief". This is brand new to me too but I'll tell you what I do know or think I know about it.

Franklin County is getting \$38,524.28 "extra" Phase I funds to implement this program. There is the potential to add another \$31,058.23 should the initial amount be exhausted. This will be another model program just like the handling facilities, forage improvement or beef genetics.

First off, an entity, like the Cattlemen's Association, Conservation District or Farm Bureau will need to sponsor like they have other Model Programs. After receiving the check from the Governor's Office on Agricultural Policy (GOAP), the entity will have to advertise for two weeks and then offer the farmer's time to apply. The farmer applications are provided by the GOAP. The scoring criteria will also be provided by the GOAP after farmer applications are collected.

Eligible cost share is as follows:

1. Drilling for subsurface aquifers and well establishments
2. Developing and piping on farm springs
3. Construction of small stream water basins
4. Establishing and enhancing on-farm ponds
5. Water hook-up to city/county water lines for farm usage
6. Irrigation equipment, structures, and components
7. Forage/Pasture Development
8. Pasture/Grain Improvement
9. Filter fabric pads for heavy use areas
10. Fence and water
11. Seeding: Custom Services & Rental of Equipment
12. Cooling Fans and Sprinkler Systems

13. Shade cloth and other temporary or permanent agricultural shelters
14. Feeding equipment, commodity storage structures, hay wrappers, feed mixers, and silage feeding/storage equipment and silage feeding/storage equipment (excludes forage harvesting equipment)
15. Crop Insurance Premiums (For 2008 coverage based upon active contract and invoiced premium)
16. Trailers, wagons, and other forage/commodity transportation related equipment (excludes livestock trailers)
17. Animal waste handling equipment
18. Rootstock and trees and certified, hybrid, and/or other seed varieties

Retroactive to December 1, 2007.

For details visit

<http://agpolicy.ky.gov/drought/drought.shtml>.

Pest Alert

Termites started swarming the last of March. Expect to see them through May. Unlike ants, termites don't have the pinched middle "waist". Ants have "bent" antennae. Termites have two sets of equally sized wings.

Emergency Conservation Program for Wind Damage

The USDA/FSA office is offering up to 75% cost-share on debris removal and fence restoration due to recent wind damage. Sign up ends April 20th. For details contact Rita Jones at 695-5203 X 2 or at 103 Lakeview Court.

Electronic Newsletter

Want to save some paper clutter and receive the Cows & Plows by email instead of postal mail? Give Wanda a call at 695-9035 or email Wanda.ellis@uky.edu and ask to be signed up.

LDDC Update

*Dr. Patty Scharko, Extension Ruminant Veterinarian,
Livestock Disease Diagnostic Center*

The UK Diagnostic lab is seeing more diagnoses of Johne's disease in the past week through submissions of clinical case blood samples and some necropsies. It is appearing in younger cattle, age 2 to 3 years that have recently calved, begin to lose weight and have diarrhea. Remember, cattle should be examined by a veterinarian for a specific diagnosis on that farm. Johne's information and FAQ's can be found at <http://www.johnes.org/> or <http://www.johnesdisease.org/about/AboutJohnes.htm>

New interactive map:
<http://www.lddc.uky.edu/interactivemap.aspx>

County extension agents, producers and veterinarians can now access the necropsies associated within their county during the past 30 days from the LDDC. These are the final diagnosis by the pathologists as reported to the veterinarian on the accession. Put your mouse icon over your county to get a 30 day animal health outlook for your county.

NEW HORSE HELP HOTLINE 1-866-634-0030

Call to report starving horses, find hay, ask for assistance in feeding your horses, or relinquish a horse.

Co-sponsored by:



**Kentucky Association
of Equine Practitioners
&
Kentucky Veterinary
Medical Association**

"The care of the Earth is our most ancient and most worthy, and after all our most pleasing responsibility. To cherish what remains of it and to foster its renewal is our only hope." – Wendell Berry

Farm Tags and the Law

One of the Winter Schools focused on the rules of the road for farmers. Officer Truesdell with KY Vehicle Enforcement was kind enough to speak to the group. His talk was an eye opener for many. Below are some of the points as I interpreted his presentation:

- If you are farming, then you are engaging in commerce and must have a DOT # and company name on your truck IF the GVWR or GCWR is 10,001# or more. This means that you must also stop at weigh stations.
- If you hook to a trailer then you should have a medical card. A CDL is not required unless you drive further than 150 miles from home. After 150 miles you are also subject to drug tests.
- ALL loads must be secured. If they can spill or blow out then they must also be covered.
- If your GVWR or CVWR is 10,000# or greater then all your trailer axles must have brakes plus a break-away box. (except for very small trailers)



What does the farm plate (FFA style) allow? No exceptions to the law except that you may overload your vehicle up to 38,000#.

For specific details look up the regulations at <http://www.lrc.ky.gov/statrev/frontpg.htm> or contact Officer Truesdell at:

**Kentucky Vehicle Enforcement
125 Holmes Street, 3rd Floor
Frankfort, KY 40601
(502) 564-3276 / 1-800-928-2402
www.kve.ky.gov**

Keenan Bishop

Keenan Bishop
County Extension Agent for Agriculture and Natural Resources

Custom Machinery Rates Applicable to Kentucky (2008)

By Greg Halich, Assistant Extension Professor

These custom rates are based on reported rates from surveys in Ohio, Indiana, Missouri, Iowa, and Kansas. The rates calculated here are averages for these states and are adjusted to account for changes in fuel price, machinery costs, and wages from the time of the reported surveys. The adjusted rates are based on a \$3.00 on-farm diesel fuel price. The "Average Final Rates" presented in this report represents these adjusted averages and are rounded (generally to the nearest \$.50) to avoid appearing definitive.

Miscellaneous Operations	15% Below Avg.	Avg. Final Rate	30% Above Avg.	# of Surveys Used	Avg. Unadjusted Rate
Building Fence (no mat'l costs included):					
Woven + Barbed Wire					
Easy Terrain/ft (includes set posts)				1	\$0.95
Easy Terrain/hr (includes set posts)				1	\$19.50
Rough Terrain/ft (includes set posts)				1	\$1.00
Rough Terrain/hr (includes set posts)				1	\$21.50
Barbed Wire					
Easy Terrain/ft (includes set posts)				1	\$0.75
Easy Terrain/hr (includes set posts)				1	\$17.50
Rough Terrain/ft (includes set posts)				1	\$0.80
Rough Terrain/hr (includes set posts)				1	\$20.50
Barbed / hr (post setting not specified)				1	\$13.50
Barbed / ft (post setting not specified)				1	\$0.50
Woven / hr (post setting not specified)				1	\$13.00
Woven / ft (post setting not specified)				1	\$0.50
Post Hole Digging (hole)				1	\$3.05
Non-Rocky Soil (hole)				1	\$5.85
Non-Rocky Soil (hour)				1	\$32.00
Rocky Soil (hole)				1	\$10.50
Rocky Soil (hour)				1	\$32.50
Post Hole Driving (post)				1	\$2.55
Post Hole Driving (hour)				1	\$19.00
Fence Removal (hour)				1	\$20.00
Fence Removal (ft)				1	\$0.35
Building Fence (no mat'l costs included):					
Woven + Barbed Wire					
Easy Terrain/ft (includes set posts)				1	\$0.95
Easy Terrain/hr (includes set posts)				1	\$19.50
Rough Terrain/ft (includes set posts)				1	\$1.00
Rough Terrain/hr (includes set posts)				1	\$21.50
Barbed Wire					
Easy Terrain/ft (includes set posts)				1	\$0.75
Easy Terrain/hr (includes set posts)				1	\$17.50
Rough Terrain/ft (includes set posts)				1	\$0.80
Rough Terrain/hr (includes set posts)				1	\$20.50
Barbed / hr (post setting not specified)				1	\$13.50
Barbed / ft (post setting not specified)				1	\$0.50
Woven / hr (post setting not specified)				1	\$13.00
Woven / ft (post setting not specified)				1	\$0.50
Post Hole Digging (hole)				1	\$3.05
Non-Rocky Soil (hole)				1	\$5.85
Non-Rocky Soil (hour)				1	\$32.00
Rocky Soil (hole)				1	\$10.50
Rocky Soil (hour)				1	\$32.50
Post Hole Driving (post)				1	\$2.55
Post Hole Driving (hour)				1	\$19.00
Fence Removal (hour)				1	\$20.00
Fence Removal (ft)				1	\$0.35
Brush or Bush Hog (per acre):					
Brush Hog - General	\$11.50	\$13.50	\$17.50	5	\$12.50
Pasture	\$10.50	\$12.50	\$16.50	2	\$12.00
CRP Land	\$10.50	\$12.50	\$16.00	3	\$11.50
Brush	\$14.50	\$17.50	\$22.50	1	\$16.50
Cornstalks	\$8.00	\$9.50	\$12.00	3	\$8.50
Brush Hog (per hour)	\$47.00	\$55.00	\$72.00	2	\$54.00
Fence Rows and Ditches (per hour)	\$38.50	\$45.00	\$58.50	1	\$44.50

Hay Operations	15% Below Avg.	Avg. Final Rate	30% Above Avg.	# of Surveys Used	Avg. Unadjusted Rate
Mowing and Raking (per acre):					
Mowing	\$9.50	\$11.00	\$14.00	5	\$10.00
Mowing/Conditioning	\$10.00	\$12.00	\$15.50	5	\$11.00
Raking - no specification	\$5.00	\$6.00	\$7.50	4	\$5.50
Raking - Side Delivery	\$3.00	\$4.00	\$5.00	2	\$3.50
Tedding	\$5.00	\$5.50	\$7.50	3	\$5.00
Small Square Bales (per bale):					
Baling (general)	\$0.50	\$0.60	\$0.75	4	\$0.55
Baling - wire (general)	\$0.65	\$0.75	\$0.95	1	\$0.70
Bale and Drop in Field	\$0.40	\$0.45	\$0.60	1	\$0.45
Bale and Load in Wagon	\$0.45	\$0.55	\$0.70	1	\$0.50
Haul and Store (baling not included)	\$0.40	\$0.50	\$0.65	3	\$0.45
Haul Over 20 miles (load per loaded mile)	\$2.10	\$2.50	\$3.25	1	\$2.40
Complete Harvest (Actual)⁶:					
Cut, Rake, Bale	\$1.00	\$1.15	\$1.50	1	\$1.10
Cut, Rake, Bale, Haul, and Store	\$1.40	\$1.65	\$2.15	2	\$1.60
Complete Hay Harvest (Computed)⁶:					
Cut, Rake, Bale	\$0.80	\$0.90	\$1.20	-	\$0.85
Cut, Rake, Bale, Haul, and Store	\$1.20	\$1.40	\$1.85	-	\$1.35
Large Square Bale (per bale)⁷:					
Baling - Large Square (no weight specified)	\$7.00	\$8.50	\$11.00	1	\$8.50
Baling - 600-800 lbs	\$7.00	\$8.50	\$11.00	1	\$8.50
Baling - Over 1000 lbs	\$9.00	\$10.50	\$14.00	1	\$10.50
Baling - 2000 lbs	\$11.50	\$13.50	\$17.50	1	\$13.00

Hay Operations	15% Below Avg.	Avg. Final Rate	30% Above Avg.	# of Surveys Used	Avg. Unadjusted Rate
Large Round Bale (per bale)⁸:					
Baling - No Weight Specification	\$7.50	\$8.50	\$11.00	1	\$8.50
Baling - No Weight Specification w/wrapping	\$9.00	\$11.00	\$14.00	1	\$9.50
Baling - 875 lbs	\$7.50	\$8.50	\$11.50	2	\$8.50
Baling - 875 lbs w/net wrap	\$7.50	\$9.00	\$11.50	1	\$8.50
Baling - 1200 lbs	\$8.00	\$9.00	\$12.00	3	\$8.50
Baling - 1200 lbs w/net wrap	\$9.00	\$10.50	\$13.50	3	\$9.50
Baling - 1500 lbs and Up	\$8.00	\$9.50	\$12.50	2	\$9.00
Baling - 1500 lbs and Up (w/net wrap)	\$9.00	\$10.50	\$14.00	2	\$10.00
Baling - Straw or Corn Stalks (no weight spec.)	\$9.00	\$10.50	\$13.50	1	\$10.50
Bale and Drop in Field (per ton)	\$16.00	\$19.00	\$25.00	1	\$17.50
Bale and Haul (per ton)	\$19.00	\$22.50	\$29.00	1	\$21.50
Moving Round Bales:					
Moving Round Bales to Storage (bale)	\$3.00	\$3.50	\$4.50	3	\$3.50
Hauling Round Bales (bale per loaded mile)	\$0.12	\$0.12	\$0.12	1	\$0.11
Hauling Round Bales-20 miles (per load mile)	\$2.50	\$3.00	\$3.50	1	\$2.50
Move Bales w/truck or wagon 1 mile (bale)	\$2.00	\$2.50	\$3.00	1	\$2.00
Move Bales w/truck or wagon 2-20 miles (bale)	\$4.00	\$4.50	\$6.00	1	\$4.00
Complete Hay Harvest - Round (Actual)⁹:					
Cut, Rake, Bale					
875 lbs	\$12.00	\$14.00	\$18.50	1	\$13.00
1200 lbs	\$13.00	\$15.00	\$19.50	1	\$14.00
1500 lbs and Up	\$13.50	\$16.00	\$20.50	1	\$15.00
Cut, Rake, Bale w/net wrap					
875 lbs	\$13.00	\$15.50	\$20.00	1	\$14.50
1200 lbs	\$14.00	\$16.50	\$21.50	1	\$15.50
1500 lbs and Up	\$14.50	\$17.50	\$22.50	1	\$16.00
Complete Hay Harvest - Round (Computed)¹⁰:					
Cut, Rake, Bale					
875 lbs	\$12.50	\$14.50	\$19.00	-	\$14.00
1200 lbs	\$13.00	\$15.00	\$19.50	-	\$14.00
1500 lbs and Up	\$13.50	\$15.50	\$20.50	-	\$14.50

For the whole pub stop by the Extension Office.



Kentucky Horse Council announces new Horse Welfare fund to care for those Kentucky horses who do not receive adequate food, shelter or farrier and veterinary care.

http://www.kentuckyhorse.org/SOHO_describe.shtml

2008 Tobacco Production Guide

Copies are available at the office. 7 pages of updated information for tobacco producers like:

Table 5. Guide to Chemicals Available for Control of Tobacco Diseases 2007—Transplant Production

Product(s)	Product Rate Per		Target Diseases	Label Notes
	Application ^a	Season		
Agricultural Streptomycin	100-200 ppm	no limit	wildfire	Apply in 3-5 gal/1000 sq. ft.
Agri-Mycin 17	1-2 tsp/gal H ₂ O		blue mold	
Aliette WDG	0.5 lb/50 gal H ₂ O	1.2 lb per 1000 sq. ft.	blue mold	Apply 3 gal of solution per 1000 sq. ft. on small plants; increase to a maximum of 12 gal as plants grow.
Dithane DF	0.5 lb/100 gal H ₂ O	no limit	blue mold anthracnose damping-off	Apply 3-12 gal/1000 sq. ft. as a fine spray. Begin when plants are dime-sized or larger.
Milk: Whole/Skim	5 gal/100 gal H ₂ O	no limit	tobacco mosaic virus (plant-to-plant spread)	Apply to plants at least 24 h prior to handling. Mix will treat 100 sq. yd.
Milk: Dry	5 lb/100 gal H ₂ O			
Terramaster 4 EC	1.0-1.4 fl oz/100 gal H ₂ O	2.8 fl oz	damping-off (<i>Pythium</i> spp.) root rot (<i>Pythium</i> spp.)	Apply to float-bed water no earlier than 2 weeks after seeding. Additional applications can be made at 3-week intervals. Use high rate for curative treatments; begin no sooner than 3 weeks after seeding. Do not apply later than 8 weeks after seeding.

^a Rate range of product. In general, use higher rates when disease pressure is high. Refer to product label for application information, restrictions, and warnings.