



Cheeps & Chirps

..... *Points for Poultry Profitability*

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JANUARY BEGAN KPF MEMEBERSHIP DRIVE

January began the 2016 membership drive for the Kentucky Poultry Federation where you can either renew or become a new member of the KPF and support Kentucky's poultry industry. Remember, we are YOUR organization and YOUR voice. The Kentucky Poultry Federation needs your support and commitment to this organization as we enter a new year. By becoming a member you can utilize that voice and help build a stronger Federation.

To become a member of the Kentucky Poultry Federation simply download a Membership Application form at www.kypoultry.org. Dues to the Federation are payable on a calendar-year basis. Membership applications are due by Friday, March 18, 2016.

A portion of your dues provides you with a lobbyist in Frankfort. This allows for aggressive involvement in legislative action in regards to the security of the poultry industry.

As a member you will also receive subscriptions to the POULTRY TIMES and THE FARMER'S PRIDE. Our quarterly newsletter, THE SUNNYSIDE, is published in THE FARMER'S PRIDE. All members who provide an email address will receive an electronic copy of the CHEEPS & CHIRPS newsletter electronically. Join the Kentucky Poultry Federation today!

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KENTUCKY POULTRY PRODUCERS WIN NATIONAL ENVIRONMENTAL EXCELLENCE AWARD

The US Poultry & Egg Association recognized five poultry farm winners for Family Farm Environmental Excellence Award at the International Production and Processing Exposition. The recognition acknowledges the exemplary environmental stewardship by family farmers engaged in poultry and egg production. The winner from the southeast region was Morrison Poultry of Wingo, Kentucky. Tim and Deena Morrison were nominated by Tyson Foods.

Applicants were rated in several categories including dry litter or liquid manure management, nutrient management planning, community involvement, wildlife enhancement techniques, innovative nutrient management techniques and participation in education or outreach programs.

Applications were reviewed by a team of environmental professions from universities, regulatory agencies and state poultry associations.



Tim and Deena Morrison receiving a state environmental award at the Kentucky Poultry Festival in October 2015

DETERMINING THE ECONOMIC VALUE OF POULTRY LITTER

As the poultry industry continues to grow across Kentucky, so does the opportunity to use poultry litter. Litter can be used as a nutrient source in crop and pasture production as well as provide additional income for poultry producers from the sale of litter. With this opportunity begs the question “what is the value of poultry litter?” The answer to this question depends on numerous factors such as the nutrient content of the litter, market price for commercial fertilizer, when the litter is applied, nutrient availability, cost of transport/delivery, and individual soil test data, just to name a few. We begin to answer this question by addressing the first factor, nutrient content.

Understanding the nutrient content of a ton of poultry litter that you are purchasing/selling is critical. How are you supposed to determine the value of litter if you don't know its content? That is why sampling poultry litter for nutrient content is so important and is the first step at determining the value. Dr. Edwin Ritchey, Extension Specialist in the Department of Plant and Soil Science at the University of Kentucky, has reviewed over 700 hundred samples of litter across the state and one thing is clear, there is significant variability in nutrient content. What does this mean? The value of poultry litter will vary and there are risks involved from not testing for nutrient content.

The table below summarizes the samples reviewed by Dr. Ritchey and the range in actual nutrient content is significant. For example, actual nitrogen ranges from 7 lbs per ton (dry) to 186 lbs per ton (dry). However, not all of the nutrients identified during testing will be available to the crop like traditional commercial fertilizer. Nutrient loss will occur based on

the timing of application, method of application and soil conditions. Nitrogen has the potential for significant loss after application due to ammonia volatilization, denitrification and/or leaching. Estimates for nutrient availability to the crop can be found in the University of Kentucky's [AGR-146 Using Animal Manures as Nutrient Sources](#). Using the nutrient availability in AGR-146 and today's fertilizer prices, the value per ton (before delivery and application) are calculated and presented in the table. With this wide range in value also comes risk. Of the samples collected by Dr. Richey, 35% had a value less than \$40/ton (before delivery and application).

However, the value of litter can vary from the above values. The assumed availability of nutrients will change based on when the litter is applied (spring vs. fall application), how it is applied (incorporated vs. non-incorporated) and individual soil test data. This coupled with transportation/delivery costs, application costs, and the variability in fertilizer prices all contribute to the value of poultry litter varying on a site specific basis and year to year. To help individuals address these factors, look forward to an upcoming extension program this winter by Dr. Jordan Shockley, Dr. Edwin Ritchey and Dr. Josh McGrath and that will help you with litter management and determine the economic value of poultry litter.

Jordan M. Shockley
Agricultural Economics
University of Kentucky

Table: Actual nutrient content and value (before delivery and application) of poultry litter sampled across Kentucky.

	Nitrogen (lbs/ton)	Phosphorus (lbs/ton)	Potassium (lbs/ton)	Value (\$/ton)
Average	50	56	47	\$43
Minimum	7	4	2	\$3
Maximum	186	124	109	\$108

Assumed 35% N, 80% P₂O₅, and 100% K₂O nutrient availability to the crop
Fertilizer prices used: \$0.41/lb N, \$0.43/lb P₂O₅, and \$0.35/lb K₂O

KY CATTLEMEN'S ASSOCIATION 2016 CONVENTION AND AG INDUSTRY TRADE SHOW

The Kentucky Poultry Federation (KPF) kicked off the new-year by preparing omelets at the Owensboro Convention Center at the annual Kentucky Cattleman's Convention and Agriculture Industry Trade Show.

The Kentucky Poultry Federation partnered with Daviess County 4-Hers and their agents, Stacey Potts and Angie Padgett, to help us cook at the event. The Poultry Federation believes in working with local youth organizations to promote our investment in Kentucky's future. In addition to our 4-Hers, we would like to express our gratitude to Jamie Guffey and Doug Bechanan who also helped to cook at this year's breakfast.

Our volunteers helped prepare over 500 omelets for participants at this year's convention and trade show. This breakfast allows the KPF an opportunity to showcase partnerships shared with other industry and poultry related fields in the state of Kentucky.

The Kentucky Poultry Federation would like to thank each volunteer for their generous donation of time and thank Cal-Maine Foods, Inc. for the donation of eggs for this year's event.

Cassinda Bechanan
 Promotions Coordinator
 Kentucky Poultry Federation



CHICKEN WORD FIND

C	A	R	B	F	R	E	E	D	E	S	I
C	H	A	O	L	E	G	E	D	M	A	V
K	L	I	D	W	A	Q	B	R	G	L	N
M	C	T	C	T	U	K	I	U	I	M	W
R	T	Y	U	K	P	O	N	M	B	O	I
C	B	F	R	Y	E	R	C	S	L	N	N
P	R	O	T	E	I	N	A	T	E	E	G
L	E	A	N	A	P	L	N	I	T	L	S
M	A	Q	E	R	T	T	I	C	S	L	K
L	S	C	V	E	A	I	O	K	K	A	L
L	T	H	I	G	H	S	S	B	N	H	J
J	S	I	Q	U	A	R	T	E	R	S	V
G	T	U	J	K	I	L	O	C	O	P	E
A	Q	S	E	F	R	G	B	O	A	G	R
H	Y	T	J	U	I	R	K	N	S	O	S
P	L	M	N	B	O	V	C	O	T	W	A
X	A	S	D	I	F	G	S	M	E	H	T
J	K	O	L	J	Y	S	T	I	R	R	I
E	W	E	E	T	E	D	J	C	I	K	L
G	R	I	L	L	I	N	G	A	S	F	E
R	T	J	E	O	T	V	J	L	E	O	P
I	L	N	L	H	R	E	D	E	V	G	O
P	O	R	T	N	E	B	G	H	L	L	P
B	Z	S	D	F	G	T	H	Y	A	E	P
S	K	I	N	L	E	S	S	A	H	O	L

DIRECTIONS: Words can be across, up, down, or diagonal

- BREASTS
- BONELESS
- BROILER
- CARB-FREE
- CHICKEN
- DRUMSTICK
- ECONOMICAL
- FRYER
- GRILLING
- HALVES
- LEAN
- LEG
- PROTEIN
- QUARTER
- ROASTER
- SALMONELLA
- SKINLESS
- THIGHS
- QUARTER
- VERSATILE
- WINGS



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US POULTRY & EGG ASSOCIATION'S NEW VIDEO



<https://www.youtube.com/watch?v=Qe5CTjtAW70>

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Please e-mail topics of interest to Jacquie.jacob@uky.edu

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