

PHEASANT MANURE PRODUCTION AND NUTRIENT MANAGEMENT

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Many states have either enacted nutrient management legislation for livestock and agronomic enterprises or are considering such legislation—the latter is the case for Pennsylvania. We at the University are trying to gather accurate, up-to-date information about the amount of manure produced by poultry and its nutrient composition.

In Pennsylvania, the Pennsylvania Poultry Federation has funded a project to determine the quantity and chemical composition of poultry manures. Researchers in the Department of Poultry Science at Penn State are weighing and testing manure from broilers, turkeys, layers, pullets, and game birds. Such information is needed before meaningful legislation can be enacted.

Preliminary results from a study housing 50 Ringneck pheasant chicks, initially in battery brooders then in grow-out pens to 17 weeks of age, have just been tallied. The birds, donated by the Pennsylvania Game Commission, grew to an average weight of 2.2 pounds in 17 weeks under the confinement conditions.

Cumulative feed consumption and manure production on a 100 percent DM basis were 13.9 and 4.4 pounds per bird, respectively, for the 17-week trial. These numbers may appear a little foreign to many of us who deal with feed and manure on an "as is" basis (approximately 90 percent DM feed and approximately 25 percent DM manure). Feed and manure presented on an "as is" basis would be approximately 15.4 pounds of feed consumed and 17.6 pounds of manure produced.

Because of the variable nature of manure moisture, all of the samples were dried to a 100 percent DM basis to express the nutrient concentration. However, for the pheasant grower or farmer that might apply the manure on fields, it should be presented as the average of a 25 percent DM, 75 percent moisture sample: Ammonia-N 0.24 percent; total-N 1.94 percent; P2O5 1.34 percent; K2O 0.68 percent; calcium 0.70 percent, and magnesium 0.15 percent. On a fresh manure basis, a ton of pheas-

Feeder's Edge Program Practices What It Teaches

ENGLEWOOD, Colo. — How does a successful feeder control feed costs while producing a quality product? How does the new strategic alliances program work? Will hot fat trimming affect the future of the price discovery? How do retailers determine the grocery store cost of beef?

You aren't the only ones asking these and other questions about how the different aspects of the industry come together. Participants in the Limousin Feeder's Edge Program have asked them, too. And they will learn the answers at the second annual Feeder's Edge Hands-On Educational Opportunity in Denver, March 19-20.

For the second year in a row, the Limousin Feeder's Edge Program, sponsored by the North American Limousin Foundation (NALF), will teach participants about the varied facets of the cattle industry, from feeding and risk management to packing and retailing, in order to help them achieve an involved, hands-on approach to the cattle industry.

Producers from all over the country will learn first-hand about feeding and quality management when they travel to Anderson Farms and Cattle Company in Longmont, Colo. Jim Anderson, winner of the National Cattlemen's Association's Businessman

ant manure would contain about 39 pounds N, 27 pounds P2O5, and 14 pounds of K2O.

Diet and bird management can influence the amount and concentration of nutrients in all poultry manure.

of the Year Award, will conduct a tour of the feedyard and Texas A&M's Dr. Bill Mies will speak on feedyard management. Michael Smith from the Colorado Cattle Feeders Association will discuss total quality management.

Integration, market analysis, and data collection will be the topics as the group visits the National Cattlemen's Association (NCA) in Englewood. Dr. Chuck Lambert, NCA's director of economics, and John Stowell, manager of the Cattlemen's Carcass Data Collection Service, will talk about strategic alliances and data collection. Price discovery and beef featuring will be the topics of discussions with Randy Blach, Cattle-Fax's director of market analysis.

The spotlight will be on retailing, an often-ignored aspect of the industry during a field trip to Safeway supermarket complete with a tour through the meat trimming and packaging facilities and question-and-answer session with a meat procurement specialist.

The seminar will look at supply and demand as participants hold a mock futures trading and risk management session. They'll learn about the driving force behind it all as palatability and consumer preference take the floor at Colorado State University in Fort Collins. Dr. J. Brad Morgan, CSU extension meat scientist, will conduct a palatability test luncheon comparing different cuts and cooking temperatures. Morgan will also discuss progress toward value based marketing. Participants will hear Dr. J. Daryl Tatum, CSU professor of meat sciences, speak on red meat yield as a new selling formula.

Feeder's Edge cattle owners will get an update on their pens in the late afternoon, when Miguel de Achaval of Cactus Feeders in Amarillo, Texas leads a session on the Feeder's Edge cattle on feed. For more information on the Feeder's Edge Program or Hands-On Educational Seminar, call NALF at (303) 220-1693.

Polled Hereford Show Set

MERCER (Mercer Co.) — The 39th annual Northwestern Pennsylvania Polled Hereford Association Spring Show and Sale will be held Saturday, April 24, at the Mercer 4-H Park, one mile North of Mercer on Route 19.

As in the past, there will be top

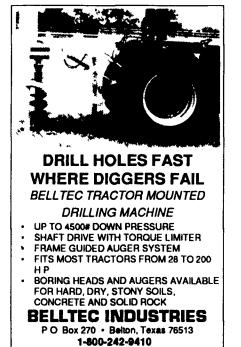
quality bulls and females, bred, open, and calf at side.

There will be a lunch stand available with proceeds to benefit the junior association.

For more information, contact Nancy Tellish, (412) 573-9339 or Tom Palkovich, (412) 667-9291.

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