**Post-Conference Workshops**

**Workshop #1**  
**Dave Byers & Mike Hutjens—Dairy Ration Formulation**  
*(Co-sponsored by DeGussa)*  
This ration formulation workshop will feature Amino Cow (developed by DeGussa) with Drs. Byers and Hutjens leading a hands-on approach. The software will be loaded on your computer (must have a laptop computer to participate) to be used in this fast paced approach to learning and using this Spartan-type program with a rumen model.

**Workshop #2**  
**Joe Harrison and Randy Shaver—Feed Management**  
The US Environmental Protection Agency (EPA) released new guidelines for Concentrated Animal Feeding Operations and Animal Feeding Operations (CAFO/AFO) in 2003. Under the new guidelines, permitted CAFO/AFO’s will be required to develop a Nutrient Management Plan (NMP). One form of a NMP is a Comprehensive Nutrient Management Plan (CNMP) as defined by the Natural Resources Conservation Service. Feed Management is one of the six core elements of a CNMP. This workshop is required for professionals desiring to take the ARPAS Exam for Certification in Feed Management by ARPAS in order to write feed management plans.

**Workshop #3**  
**Brian Holmes and Rich Muck—Evaluating Bunkers and Bags**  
Forage is a terrible thing to lose! There are many opportunities for producers to lose forage dry matter and feed value through the harvest and storage phases of silage production. This workshop will emphasize the procedures needed to make and preserve silage while minimizing those losses. Recommended practices for sizing storages and filling bunkers, piles, and bags will be discussed. Recently developed spreadsheets will be distributed and used in this workshop setting. Bring your laptop computer to fully participate in this session.

**Workshop #4**  
**Pam Ruegg and David Rhoda—Investigation of Milk Quality Problems**  
This workshop will focus on developing skills to diagnose and solve milk quality problems on dairy farms. Data from real farms will be used to review key indicators of mastitis and the use and interpretation of diagnostic tools such as SCC trends, bulk tank & individual cow culture reports, evaluation of housing and milking hygiene, teat condition and bacterial quality of raw milk. The development of a clinical mastitis plan will be stressed.

**Workshop #5**  
**Larry Tranel—DAIRY TRANS Financial Analysis**  
This workshop will concentrate on developing a whole farm financial analysis. It is often observed that producers and/or consultants make serious financial decisions based on one or two components alone, like nutrition economics, without focusing on the whole farm approach. Sound financial analysis is key to operating a profitable dairy enterprise and this computerized tool simplifies the process while challenges producers through graphic benchmarking to improve profits.