RESEARCH ABSTRACTS FROM
THE DAIRY NUTRITION & SILAGE FERMENTATION LABORATORY –
UNIVERSITY OF DELAWARE
(Last 3 years only)

Merrill, C., M. C. Windle, W. F. Souza, I. R. Ipharraguerre, and L. Kung Jr. 2013. The evaluation of a flavor enhancer on intake and production of high producing lactating dairy cows. J. Dairy Sci. 91(E-Suppl. 1):424.

Block, E., L. Kung, Jr., and C. Merrill. 2013. Production performance parameters of early lactation dairy cows fed a diet supplemented with Megalac or a fatty acid prill containing high levels of palmitic acid. J. Dairy Sci. 91(E-Suppl. 1):237.

Windle, M. C., and L. Kung, Jr. 2013. The effect of a feed additive on the feeding value of a silage-based TMR exposed to air. J. Dairy Sci. 91(E-Suppl. 1):16.

Windle, M. C., C. Merrill, M. Agarussi, L. Rosa, K. Freedman, C. Asay, N. Walker, and L. Kung, Jr. 2013. The effects of an exogenous protease on the fermentation and nutritive value of poorly-processed or well-processed corn silage. J. Dairy Sci. 91(E-Suppl. 1):313.

Windle, M., C. Merrill, L. Rosa, M. Agarussi, R. Savage, C. Asay, N. Walker, and L. Kung, Jr. 2013. The effects of an exogenous protease on the fermentation and nutritive value of corn silage. J. Dairy Sci. 91 (E-Suppl. 1):313.

Windle, M., and L. Kung, Jr. 2013. A survey of the expected concentrations of lactic acid bacteria, pH, elapsed time in the tank, and temperature of the inoculant-water mixes used to treat silages. J. Dairy Sci. 91(E-Suppl. 1):556.

Der Bedrosian, M. C., L. Kung, Jr., K. E. Nestor, C. L. Preseault, A. L. Lock. 2012. The effect of ensiling duration on fatty acid profile and concentration of corn silage. J. Anim. Sci. 90 (E-Suppl. 3):460

Merrill, C., A. P. T. P. Roth, M. A. Santos, M. C. Der Bedrosian, L. Kung. 2012. Characterization of aerobic deterioration of corn silage treated with stabilizers. J. Anim. Sci. 90 (E-Suppl. 3):461

Lim, J. M., E. A. Cummings, H. M. Darby, and L. Kung Jr. 2012. A preliminary evaluation of corn silage impacted by Hurricane Irene in 2011 . J. Dairy Sci. 95(Suppl. 2):538.

Lim, J. M., M. C. Santos, M. C. Der Bedrosian, K. E. Nestor, and L. Kung , Jr. 2012. The effect of feeding normal corn silage, BMR corn silage or 50:50 mixture of the two on the production performance of lactating cows. J. Dairy Sci. 95(Suppl. 2):598.

Young, K. M., M. C. Der Bedrosian, J. M. Lim, A. P. T. P. Roth, S. A. Santos, and L. Kung, Jr. 2011. The effects of protease enzymes and storage on the ensiling and nutritive value of corn silage. J. Dairy Sci. 94(E-Suppl. 1):214.

Santos, M. C., A. L. Lock, G. D. Mechor, and L. Kung, Jr. 2011. Spoilage yeasts in silage have the potential to directly impact rumen fermentation. J. Dairy Sci. 94(E-Suppl. 1):207.

Lim, J. M., M. C. Santos, J. P. Riguera, M. C. Der Bedrosian, K. E. Nestor, and L. Kung, Jr. The nutritive value of mature corn silage from BMR, non-BMR and a 50:50 mix ensiled for varying lengths of time. J. Dairy Sci. 94(E-Suppl. 1):233.

Santos, M. C., C. Golt, R. D. Joerger, G. D. Mechor, and L. Kung, Jr. 2011. Identification and characterization of spoilage yeasts from high moisture corn and corn silages. J. Dairy Sci. 94(E-Suppl. 1):550.

Santos, M. C., A. L. Lock, G. D. Mechor, and L. Kung, Jr. 2011. Spoilage yeasts in silage have the potential to directly impact rumen fermentation. J. Dairy Sci. 94(E-Suppl. 1):207. 3rd place North East Section of the ADSA Graduate Student Competition. New Orleans, LA.

Young, K. M., M. C. Der Bedrosian, J. M. Lim, A. P. T. P. Roth, S. A. Santos, and L. Kung, Jr. 2011. The effects of protease enzymes and storage on the ensiling and nutritive value of corn silage. J. Dairy Sci. 94(E-Suppl. 1):214. 3rd place ADSA National Undergraduate Student Competition. New Orleans, LA.

Lim, J. M. M. C. Santos, J. P. Rigueira, M. C. Der Bedrosian, and L. Kung, Jr. 2010. Dispersion of an inert marker in water on freshly chopped whole plant corn by two methods to simulate addition of an inoculant. J. Anim. Sci. 88(E Suppl. 2):624.

Der Bedrosian, M.C., L. Kung Jr., and K. E. Nestor Jr. The effects of length of storage on the composition and nutritive value of corn silage. J. Anim. Sci. 88(E Suppl. 2):176. *2nd place North East Section of the ADSA Graduate Student Competition. Denver, CO.

Griswold, K. E., E. E. McDonell, L. Kung, Jr., and P. H. Craig. 2010. Effect of bunker silo sidewall plastic on fermentation, nutrient content and digestibility of corn silage. J Dairy Sci. 93 (E Suppl. 1):622.