

**RESEARCH PUBLICATIONS FROM
THE DAIRY NUTRITION & SILAGE FERMENTATION LABORATORY –
UNIVERSITY OF DELAWARE
(Last 10 years only) 2007 – present**

- Kung, Jr., L., R. D. Shaver, R. J. Grant, and R. J. Schmidt. 2018. Interpretation of chemical, microbial and organoleptic components of silages. Submitted to and accepted by J. Dairy Sci. in press
- Muck, R. E., E. M. G. Nadeau, T. A. McAllister, F. E. Contreras-Govea, M. C. Santos, L. Kung, Jr. 2018. Recent advances and future uses of silage additives. J. Dairy Sci. In press.
- Ma, Guiling, C. Merrill, L. Kung Jr., T. F. Gressley, J.H. Harrison, E. Block. 2017. Effect of source of supplemental fat in early lactation on productive performance and milk composition. Prof. Anim. Scientist 33:680–691.
- Santos, M. C., C. Golt, R. D. Joerger, G. D. Mechor, G. B. Mourão, and L. Kung Jr. 2016. Identification of the major yeasts isolated from high moisture corn and corn silages in the United States using genetic and biochemical methods. J. Dairy Sci. . 99:1151–1160.
- Windle, M. C., and L. Kung, Jr. 2016. Factors impacting the numbers of expected viable lactic acid bacteria in inoculant applicator tanks. J. Dairy Sci. 99:9334–9338.
- Santos, M. C., and L. Kung, Jr. 2016. Short communication: The effects of dry matter and length of storage on the composition and nutritive value of alfalfa silage. J. Dairy Sci. 99:5466–5469.
- Da Silva, T. C., M. L. Smith, A. M. Barnard, and L. Kung, Jr. 2015. The effect of a chemical additive on the fermentation and aerobic stability of high moisture corn. J. Dairy Sci. In press.
- Hafner, S., M. C. Windle, C. Merrill, M. L. Smith, R. B. Franco and L. Kung, Jr. 2015. Effects of potassium sorbate and *Lactobacillus plantarum* MTD1 on production of ethanol and other volatile organic compounds in corn silage. Animal Feed Sci. Tech. 208:79-85.
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- Kung Jr., L., J. M. Lim, D. J. Hudson, J. M. Smith, and R. D. Joerger. 2015. Chemical composition and nutritive value of corn silage harvested in the Northeastern United States after Hurricane Irene. J. Dairy Sci. 98:2055-2062.
- Lim, J. M., K. E. Nestor, and L. Kung, Jr. 2014. The effect of hybrid type and dietary proportions of corn silage on the lactation performance of high producing dairy cows. J. Dairy Sci. 98:1195-1203.
- Hafner, S. D., R. B. Franco, L. Kung, Jr., C. A. Rotz, and F. Mitloehner. 2014. Potassium sorbate reduces production of ethanol and 2 esters in corn silage. J. Dairy Sci. 97:7870–7878.
- Windle, M. C., N. Walker, and L. Kung, Jr. 2014. Effects of an exogenous protease on the fermentation and nutritive value of corn silage harvested at different dry matter contents and ensiled for various lengths of time. J. Dairy Sci. 97:3053-3060.

- Kung, L., Jr., M. C. Windle, N. Walker. 2014. The effect of an exogenous protease on the fermentation and nutritive value of high-moisture corn. *J. Dairy Sci.* 97:1707-1712.
- Young, K. M., J. M. Lim, M. C. Der Bedrosian, and L. Kung, Jr. 2012. Effect of exogenous protease enzymes on the fermentation and nutritive value of corn silage. *J. Dairy Sci.* 95:6687-6694.
- Der Bedrosian, M. C., K. E. Nestor, and L. Kung, Jr. 2012. The effects of hybrid, maturity, and length of storage on the composition and nutritive value of corn silage. *J. Dairy Sci.* 95:5115-5126.
- Teller, R.S., R.J. Schmidt, L.W. Whitlow, L. Kung, Jr. 2012. Effect of physical damage to ears of corn before harvest and treatment with various additives on the concentration of mycotoxins, silage fermentation, and aerobic stability of corn silage. *J. Dairy Sci.* 95:1428-1426.
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- Schmidt, R. J. and L. Kung, Jr. 2010. The effects of *Lactobacillus buchneri* with or without a homolactic bacterium on the fermentation and aerobic stability of corn silages made at different locations. *J. Dairy Sci.* 93:1616-1624.
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