

**NC1195 Research publications list**  
(committee member names are in bold)

**Fernández, F.G.**, R.E. Terry, and E.G. Coronel. 2014. Nitrous oxide emissions from anhydrous ammonia, urea, and ESN in Illinois corn-fields. *J. Environ. Qual.* doi:10.2134/jeq2013.12.0496.

Woli, K.P., **F.G. Fernández**, **J.E. Sawyer**, J.D. Stamper, **D.B. Mengel**, W. Barker, and H.M. Hanna. 2014. Agronomic comparison of anhydrous ammonia applied with a high speed-low draft opener and conventional knife injection in corn. *Agron. J.* 106:881-892.

**Dick, W.A.**, B. Thavamani, S. Conley, R. Blaisdell, and A. Sengupta. 2013. Prediction of  $\beta$ -glucosidase and  $\beta$ -glucosaminidase activities, soil organic C, and amino sugar N in a diverse population of soils using near infrared reflectance spectroscopy. *Soil Biology & Biochemistry* 56:99-104.

Oliveira, L.F. and **P.C. Scharf**. 2014. Diurnal variability in reflectance measurements from cotton. *Crop Sci.* 54:1769-1781.

Oliveira, L.F., **P.C. Scharf**, E.D. Vories, S.T. Drummond, D. Dunn, W.E. Stevens, K.F. Bronson, N.R. Benson, and V.C. Hubbard. 2013. Calibrating canopy reflectance sensors to predict optimal mid-season nitrogen rate for cotton. *Soil Sci. Soc. Am. J.* 77:173-183.

Johnson, H.J., J.B. Colquhoun, A.J. Bussan, and **C.A.M. Laboski**. 2012. Estimating nitrogen mineralization of composted poultry manure, organic fertilizers, and green manure crops for organic sweet corn production on a sandy soil under laboratory conditions. *Hort. Tech.* 22:37-43.