**Curriculum Vitae**

**Michael Doyle Boyette, Ph. D., P.E.**

Academic Title:             Philip Morris Professor of Biological and Agricultural Engineering

Academic Rank:           Professor - Dept. of Bio. and Agricultural Engineering

                                    Associate Faculty - Dept. of Horticultural Science

Associate Faculty - Integrated Manufacturing Systems Engr. Institute

Education:                    Ph.D. ‑ 1990.  Biological and Agricultural Engineering,  NCSU

                                    M.S. ‑ 1986.  Wood and Paper Science,  NCSU

                                    B.S. ‑ 1976.  Biological and Agricultural Engineering,  NCSU

Professional Experience:

2001 - Present. Professor,  Biological and Agricultural Engineering, North Carolina State University

            1996 - 2002.  Associate Professor and Extension Specialist, Biological and Agricultural Engineering, North Carolina State University

            1990 - 1996.  Assistant Professor and Extension Specialist, Biological and Agricultural Engineering, North Carolina State University

            1983 ‑ 1990.  Extension Specialist, Biological and Agricultural Engineering, North Carolina State University

1979 ‑ 1983.  Senior Design Engineer, Nuclear Products Division, Rockwell International Corp.

            1977 ‑ 1979.  Design Engineer, Nuclear Products Division, Rockwell International Corp.

Professional License:     Registered in 1980 as Professional Engineer in North Carolina.

                                    (Registration Number ‑ 9488)

Professional Society Membership:

Member, Alpha Epsilon, National Honor Fraternity for Biological and Agricultural Engineering

Member, Sigma Xi, Scientific Research Society of North America

Member, American Society of Agricultural Engineers

Member, American Society for Horticultural Science

Member, Epsilon Sigma Phi, National Extension Fraternity

Founding  Member of the National Sweetpotato Hall of Fame

Founding Member of the Academy of Outstanding Faculty Engaged in Extension

Teaching and Advising Activities

Instructor of Record:

            BAE 451, Engineering Senior Design, 3 credit hours, taught each fall semester

            BAE 452, Engineering Senior Design, 2 credit hours, taught each spring semester

C0-instructor:

            BAE 495C/590D, Control Systems, 3 credit hours, taught each spring.

            HS 442, Postharvest Physiology, 3 credit hours, taught each spring.

Served as Chair of Graduate Committee for 16 graduate students since 1990.

Selected Publications

Boyette, M.D. and R.P. Rohrbach. 1990. A low‑cost, portable, forced‑air pallet cooling system.  *Applied Engineering in Agriculture* 9(1): 97-104.

Boyette, M.D. and R.P. Rohrbach. 1993. Increasing the energy efficiency of icemaking by continuous solidification and hydraulic harvesting.  *Transactions of the ASAE*36(4) 1151-1158.

Boyette, M.D., D.F. Richie, S.J. Carballo, S.M. Blankenship and D.C. Sanders. 1994. Chlorination and postharvest disease control.  *HortTechnology* 3(4) 395-400.

Boyette, M.D. 1997.  Forced-air cooling packaged blueberries.  *Applied Engineering in Agriculture* Vol. 12(2) 213-217.

Stewart, H.E., B.E. Farkas, and M.D. Boyette. 2000. Physical and thermal properties of three sweetpotato cultivars (Ipomoea batatas L.) *International Journal of Food Properties* 3(3), 433-446.

Boyette, M.D., E.A. Estes. A.R. Rubin, K.A. Sorensen. 1997. Postharvest Handling of Sweetpotatoes, AG-413-10B. N.C. Cooperative Extension Service.

Bailey, D.A. and M.D. Boyette. 1998. Postharvest Handling of Flowering Potted Plants, AG-413-11. N.C. Cooperative Extension Service.

Bailey, D.A. and M.D. Boyette. 1998. Postharvest Handling of Flowering Potted Plants (poster) AG-413-11P. N.C. Cooperative Extension Service.

Boyette, M.D. and E.A. Estes. 1999. Postharvest Transport of Fresh Fruit and Vegetables, AG-414-9. N.C. Cooperative Extension Service.

Boyette, M.D., E.A. Estes, J. O’Sullivan  and D.S. Sanders. 1999. Postharvest Operations for Small Scale Growers. AG-414-10.

Sanders, D.C., D.W. Monks and M.D. Boyette 2004. Competency Based Training Program for County Extension Agents. Accta. Hort. (ISHS) 641:131-134.

OH, I.H. and M.D. Boyette 2003 NOx Gas Absorption in Green Tobacco. *Journal of Korean Society of Tobacco Science*. Vol 26, No 1, 64-72.