

## EDWARD MARTEY

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Name : Edward Martey (PhD)  
Profession : Agricultural Economist  
Date of Birth : 22<sup>nd</sup> June, 1982  
Marital Status : Married  
Nationality : Ghanaian  
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### Education:

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2018 PhD (Agricultural and Applied Economics), University of Illinois at Urbana-Champaign, USA  
2009 – 2011 MPhil (Agricultural Economics), University of Ghana, Legon  
2004 – 2007 B.Sc. (Agricultural Economics), University of Ghana, Legon

### Other qualifications:

2014 Automation of impact and socio-economic analysis, 4-12 August, 2014, Kigali, Rwanda

2013 Ethical Issues in Social Science Research by Institutional Review Board, Council for Scientific and Industrial Research, CSIR. Kumasi, Ghana.

2013 Champions for Change Leadership Course and Rapid Results Approach Training by USAID AFRICA LEAD. Accra. Ghana.

2010 Certificate of Accreditation, Planning & Managing Graduate Research

2008 Certificate of Accreditation-Training Service Provider in Commercial Development of Farmer-Based Organizations (CDFO)

### Employment Record:

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2012 – Date **Research Scientist**, Savanna Agricultural Research Institute  
Main duties performed are:

- ❖ Implementation of socio-economic studies
- ❖ Implementation of qualitative research
- ❖ Monitoring and Evaluation
- ❖ Management of Innovation Platforms
- ❖ Conduct systematic reviews of existing development projects

2010-2011 **Business Development Associate**, Plan Consult  
Main duties performed are:

- ❖ Review and update Plan Consult's Program Performance Management Plan (PPMP) weekly.

- ❖ Prepare Written Expressions of Interests for Consultancy Contracts on health, environment, education, gender, agriculture, transportation and human resource development.
- ❖ Write technical and financial proposals
- ❖ Assist in the implementation of successful contracts for all the development sectors already mentioned.
- ❖ Prepare written technical reports on implemented projects

2008-2010

**Agricultural Trainer**, GreenWeb Consult

Main duties performed are:

- ❖ Handholding Activities-Linking of FBO's to input suppliers and market players
- ❖ Analysis of credit history of FBOs
- ❖ Commercial training of Farmer Based Organizations
- ❖ Preparation of business plans for FBOs
- ❖ Administrative services as required by the Training Service Manager (TSM)

2007-2008

**Research and Teaching Assistant**, University of Ghana, Legon

Main duties performed are:

- ❖ Taught Introductory Microeconomics
- ❖ Assist Senior Lecturers with data collection and entry.
- ❖ Review relevant literature for senior lecturers at the department
- ❖ Organize tutorials for undergraduate students

**Consultancy and Key Assignments:**

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2019-Date	Agricultural Economist, Soybean Innovation Lab (SIL) Research in Ghana
2015	Monitoring and Evaluation Officer, Improvement and Scaling Up of the System of Rice Intensification. Funded by World Bank through WAAPP2A
2014	Principal Investigator, Horticulture CRSP Focus Project "STOPS": Sustainable Technology of Orange and Purple Sweet Potatoes in Ghana. Funded by PenState University.
2014	Agricultural Economist, Improving Food Safety, Food Quality and Income of Poor Actresses and Actors of the Peanut Value Chain in West Africa by reducing Aflatoxin (GestAflAr). Funded by USAID
2013	Principal Investigator, WAAP2A Baseline Survey of Selected Crops in Northern Region of Ghana.

- 2013 Agricultural Economist, Agricultural Value Chain Mentorship Project in Northern Ghana. Funded by DANIDA through AGRA.
- 2013 Principal Investigator, Maize Baseline Survey under the Support to Agricultural Research for Development of Strategic Crops in Africa (SARD-SC) Funded by AFDB.
- 2013 Agricultural Economist, The Survey for Case Study and the End-line Survey of Extensive Study in Ghana for "An Empirical Analysis of Expanding Rice Production in Sub Sahara Africa". Funded by JICA.
- 2013 Principal Investigator, Horticulture CRSP Focus Project "STOPS": Sustainable Technology of Orange and Purple Sweet Potatoes in Ghana. Funded by PenState University.
- 2012-2013 Agricultural Economist, Pattern and Adoption of Improved Maize and Rice Technologies in Ghana Funded by IFPRI.
- 2012 - 2013 Principal Investigator, Impact Studies of the AGRA Soil Health Project in Northern Ghana. Funded by AGRA.
- 2012 - 2013 Principal Investigator, USAID Rice Baseline Survey under the Sustainable Intensification of Key Farming Systems in the Guinea Savannah Zone of West Africa.
- 2012 – 2013 Facilitator, Management of Rice Multi-Stakeholder Platforms in Northern and Upper East Region of Ghana
- 2012 - 2013 Principal Investigator, Situation and Outlook Analysis and Baseline Study of Groundnut under the Tropical Legume II Project.
- 2012 - 2013 Principal Investigator, Rice Baseline Survey in the Navrongo Hub under the Ghana Rice Policy, Innovation and Impact Task Force
- 2012 Research Assistant, DANIDA funded Project on "Export Diversification Initiative as Part of Overall Design of the Private Sector Development Strategy"
- 2011 Research Assistant for the VRA sponsored project on "Reactivation of Kpong Farms Limited and Turning it into a Profitable and Self Sustaining Commercial entity".
- 2011 Team Member, PSRS Funding for "Retooling of the Ministry of Tourism to become a Proactive Policy Instrument of State".
- 2011 Consultant for GreenWeb Consult, Distribution of Starter Pack for four (4) FBOs in the Awutu-Effutu-Senya District of Ghana.

2010	Consultant for GreenWeb Consult, Distribution of Starter Pack for four (3) FBOs in the Awutu-Effutu-Senya District of Ghana and Akwapim South District
2010	Training Consultant for GreenWeb Consult, Commercial Development of three (3) Farmer-Based Organizations in the Awutu-Effutu-Senya District of Ghana.
2010	Consultant for GreenWeb Consult, Business Plan Preparation for four (4) FBOs in the Akwapim South district of Ghana.
2010	Consultant for ACIDI/VOCA. Crop Budget Study in Some Selected Regions in Ghana.
2010	Data Collection Expert, International Water Management Institute. Study on Water Use by Rural Households in Some Selected Regions in Ghana.
2009	Training Consultant for GreenWeb Consult, Commercial Development of two (2) Farmer-Based Organizations in the Awutu-Effutu-Senya District of Ghana.
2009	Training Consultant for GreenWeb Consult, Commercial Development of four (4) Farmer-Based Organizations in the Akwapim South District.
2009-2010	Consultant for GreenWeb Consult, Business Plan Preparation for five (5) FBOs in the Awutu-Effutu-Senya District of Ghana.
2009	Consultant for GreenWeb Consult, Distribution of Starter Pack for four (4) FBOs in the Awutu-Effutu-Senya District of Ghana.
2008	Data Collection Expert, World Bank funded for Collaborative Research between University of Guelph (Canada) and University of Ghana-"Fresh Perspective: Examining the Impact of Crop Production for High and Low Value Markets on Smallholders in Ghana"

#### **Volunteer Work Experience:**

2018	<b>Member</b> , Graduate Program Committee, Dept. of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign
2015	<b>Secretary</b> , National System of Rice Intensification Advisory Committee
2012	<b>National Focal Person</b> , Ghana Rice Policy, Innovation and Impact Task Force
2006-2007	<b>President</b> , Akuafu Hall Pentecost Students and Associates (University of Ghana, Legon)
2006-2007	<b>Chairman</b> , Greenweek Celebration Committee for Ghana Association of Agricultural Students (GAAS) (University of Ghana, Legon)

## Publication and Research Experience:

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- 1) **Martey E.** Kuwornu, K.M., & Adjebeng-Danquah, J. (2019). Estimating the effect of mineral fertilizer use on Land productivity and income: Evidence from Ghana. *Land Use Policy*. 85:463-475.
- 2) **Martey E.**, Etwire, P.M., Wiredu, A.N. (2019). The impact of credit on the technical efficiency of maize-producing households in northern Ghana. *Agricultural Finance Review*
- 3) **Martey E.** (2019). Tenancy and Energy Choice for Lighting and Cooking: Evidence from Ghana. *Energy Economics*. 80: 570-581.
- 4) **Martey E.** (2018). Welfare effect of organic fertilizer use in Ghana. *Heliyon* 4 (2018) e00844
- 5) Ragsdale, K., Read-Wahidi, M. R., Wei, T., **Martey, E.**, & Goldsmith, P. (2018). Using the WEAI+ to explore gender equity and agricultural empowerment: Baseline evidence among men and women smallholder farmers in Ghana's Northern Region. *Journal of Rural Studies*.
- 6) **Martey E.**, Etwire, P. M., Ahiabor, B.D.K. (2017). Establishing the Link between Market Orientation and Agricultural Commercialization: Empirical Evidence from Northern Ghana. *Food Security*. 9(4). Pp 849-866. DOI 10.1007/s12571-017-0688-9
- 7) Etwire, P. M., Buah, S., Ouédraogo, M., Zougmore, R., Partey, S. T., **Martey, E.**, & Bayala, J. (2017). An assessment of mobile phone-based dissemination of weather and market information in the Upper West Region of Ghana. *Agriculture & Food Security*, 6(1), 8.
- 8) **Martey E.**, Ahiabor B.D.K., Buah, SSJ and Kusi F. (2015). Assessment of Agro-input Dealers' Willingness to Invest in Legume Inoculants in Northern Ghana. *Asian Journal of Agricultural Extension, Economics & Sociology*. 8(3): 1-13.
- 9) **Martey E** (2014). Market Information and Extent of Agricultural Commercialization: Empirical Evidence from Smallholder Farmers in Effutu Municipality of Ghana. *American Journal of Experimental Agriculture*. 4(12): 1680-1696.
- 10) **Martey E.**, Etwire P.M., Wiredu A.N., and Dogbe W (2014). Factors Influencing Willingness to Participate in Multi-stakeholder Platform by Smallholder Farmers in northern Ghana: Implication for Research and Development. *Agricultural and Food Economics*. 2014 2(11): 1-15.
- 11) Etwire P.M., Dogbe W., **Martey E.**, Owusu R.K., and Fearson J (2014). Innovative Agricultural Technology Dissemination: Finding New Use for Motor Tricycles. *American Journal of Experimental Agriculture*; 4 (11): 128-1304.
- 12) Attoh C., **Martey E.**, Kwadzo G.T.M., Etwire P.M., and Wiredu A.N (2014). Can Farmers Receive Their Expected Seasonal Tomato Price in Ghana? A Probit Regression Analysis. *Sustainable*

*Agriculture Research* 3 (2): 16-23.

- 13) Wiredu A.N., Asante B.O., **Martey E.**, Diagne A., and Dogbe W (2014). Impact of NERICA Adoption on Incomes of Rice-Producing Households in Northern Ghana. *Journal of Sustainable Development* 7 (1): 167-178.
- 14) **Martey E.**, Wiredu A.N., Etwire P.M., Fosu M., Buah S.S.J., Bidzakin J., Ahiabor B.D.K., and Kusi F (2013). Fertilizer Adoption and Use Intensity Among Smallholder Farmers in Northern Ghana: A Case Study of the AGRA Soil Health Project. *Sustainable Agriculture Research* 3 (1): 24-36.
- 15) Asante B.O., Wiredu A.N., **Martey E.**, Sarpong D.B., Mensah-Bonsu A (2013). NERICA Adoption and Impacts on Technical Efficiency of Rice Producing Households in Ghana: Implications for Research and Development. *American Journal of Experimental Agriculture* 4 (3): 244-262.
- 16) Dogbe W., Etwire P.M., **Martey E.**, Etwire J.C., Baba I.I.Y., and Siise A (2013). Economics of Soybean Production: Evidence from Saboba and Chereponi Districts of Northern Region of Ghana. *Journal of Agricultural Science*; Vol. 5, No.12.
- 17) Etwire P.M., **Martey E.**, and Dogbe W (2013). Technical Efficiency of Soybean Farms and Its Determinants in Saboba and Chereponi Districts of Northern Ghana: A Stochastic Frontier Approach. *Sustainable Agriculture Research*; Vol. 2, No. 4; 2013
- 18) **Martey E.**, Wiredu A.N., Asante B.O., Annin K., Dogbe W., Attah C., and Al-Hassan R.M., (2013). Factors Influencing Participation in Rice Development Projects: The Case of Smallholder Rice Farmers in Northern Ghana. *International Journal of Development and Economic Sustainability*. Vol. 1, No. 2, pp. 13-27, June 2013
- 19) Etwire P.M., Dogbe W., Wiredu A.N., **Martey E.**, Etwire E., Owusu R.K., and Wahaga E (2013). Factors Influencing Farmer's Participation in Agricultural Projects: The case of the Agricultural Value Chain Mentorship Project in the Northern Region of Ghana. *Journal of Economics and Sustainable Development*. Vol. 4, No.10
- 20) Attah C., **Martey E.**, Annin K., Wiredu A.N., Quaye R (2013). Are Farmers Surviving the Level of Seasonal Cultivation of Tomatoes in Ghana? A Tobit Regression Analysis. *Journal of Economics and Sustainable Development* 4 (6): 53-60.
- 21) **Martey E.**, Annin K., Wiredu A.N., and Attah C (2012). Does Access to Market Information Determine the Choice of Marketing Channel among Smallholder Yam Farmers in the Brong Ahafo Region of Ghana? A Multinomial Logit Regression Analysis. *Journal of Economics and Sustainable Development* 3 (12): 18-28.

- 22) **Martey E.**, Annin K., Attoh C., Wiredu A.N., Etwire P.M., and Al-Hassan R.M (2012). Performance and Constraint of Small Scale Enterprises in Accra Metropolitan Area of Ghana. *European Journal of Business and Management*. Vol.5, No.4.
- 23) **Martey E**, Al-Hassan R.M., and Kuwornu, J (2012). Factors Influencing the Commercialization of Smallholder Agriculture in the Effutu Municipality of Ghana. *African Journal of Agricultural Research* 7(14): 2131-2141.
- 24) **Martey E (2007)**. Econometric Modeling of the Demand for Root and Tubers in Ghana (1990-2005). A B.Sc. Dissertation, Department of Agricultural Economics, University of Ghana, Legon, May 2007 (Unpublished).

### Conference Papers

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- **E. Martey** (2018). Welfare Effect of International Migration on the Left-Behind in Ghana: Evidence from Machine Learning. October 24 – October 26, 2018. Mensvic Hotel, Accra, Ghana (Accepted Paper Presentation)
- **E. Martey** (2018). Heterogeneous demand for quality soybean in Ghana. 30<sup>th</sup> International Conference for Agricultural Economists. July 28 – August 2, 2018. Vancouver, Canada (Accepted Paper Presentation)
- **E Martey**, AN Wiredu, PM Etwire (2015). Impact of Credit on Technical Efficiency of Smallholder Farmers in Northern Ghana. Economic Development in Africa, Centre for the Study of African Economies (CSAE) Conference 2015, University of Oxford, UK. March 22-24, 2015
- AN Wiredu, **E Martey**, M Fosu (2014). Describing Adoption of Integrated Soil Fertility Management Practices in Northern Ghana. International Conference on Research on Food Security, Natural Resource Management and Rural Development (Tropentag 2014), Czech Republic, Prague, Czech Republic. September 17-19, 2014.

### Conference Paper Abstracts

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1. **E. Martey**, and Peter Goldsmith. (2018). Heterogeneous demand for quality soybean in Ghana. Agricultural and Applied Economics Association, 5-7 August, 2018, Washington DC (Accepted poster presentation)
2. **E. Martey**, Peter Goldsmith and Nicolas Gatti. (2018). Assessing the effectiveness of inter-regional trade in Ghana's soybean markets. Agricultural and Applied Economics Association, 5-7 August, 2018, Washington DC (Accepted poster presentation)
3. **E Martey**, A.N Wiredu, (2014). Does Participation in Rice Development Project Influence Household Income? A Case Study of Smallholder Farmers in Northern Ghana. International Rice Congress, Bangkok. 27 October – 1 November, 2014 Bangkok, Thailand

4. **E Martey**, A.N Wiredu, PM Etwire, W Dogbe (2013). Intensity of rice cultivation among smallholder farmers in northern region. Book of Abstracts, 3<sup>rd</sup> Africa Rice Congress, Yaounde, Cameroon, October 21-24, 2013, p. 176.

### **Book**

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1. **E. Martey**, AN Wiredu, Richard Oteng-Frimpong (2015). Baseline Study of Groundnut in Northern Ghana. Lambert Academic Publishing, Germany.
2. **E. Martey**. (2013). Factors Influencing Commercialization of Smallholder Agriculture. A Tobit Regression Analysis of Smallholder Farmers in Effutu Municipality of Ghana. Lambert Academic Publishing, Germany.

### **Awards Received**

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1. Borlaugh Higher Education for Agricultural Research and Development Fellowship, July, 2015.
2. 2017 Graduate Fellowship Recognition, Presented by ACES and Honor Society of Agriculture, University of Illinois at Urbana-Champaign
3. 2016 Graduate Fellowship Recognition, Presented by ACES and Honor Society of Agriculture, University of Illinois at Urbana-Champaign
4. 2015 Graduate Fellowship Recognition, Presented by ACES and Honor Society of Agriculture, University of Illinois at Urbana-Champaign

### **Membership of Professional Bodies**

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- International Association of Agricultural Economist (IAAE)
- Agricultural and Applied Economics Association (AAEA)
- International Society for Development and Sustainability (ISDS)
- Research Staff Association (RSA), Ghana

### **Travel Experience**

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- United Kingdom, United States, Canada, Benin, Burkina Faso, Cameroun, Kenya, Mali, Rwanda, Senegal, and Togo

### **Computer Proficiency and Analytical Tools**

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- Microsoft Office Suite
- Econometric Views
- STATA
- SPSS
- R
- Sharelatex

<b>Languages</b>	<b>Speaking</b>	<b>Reading</b>	<b>Writing</b>
English	Excellent	Excellent	Excellent
French	Poor	Fair	Fair
Akan/Twi	Good	Good	Good
Ga	Excellent	Excellent	Excellent

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## References

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