## **Publications**

**Koffi D**, Agboka K, Adom M, Adjevi MKA, Tounou KA, Meagher RL. 2024: Eco-friendly management of fall armyworm: can host-plant intercropping drive to a sustainable IPM? 1-10. International Journal of Pest Management. <https://doi.org/10.1080/09670874.2024.2372301>

Fiaboe KR, Agboka K, Agnamba AO, Teyo KL, Amegah AL, **Koffi D**, Kpadonou GE, et al. 2024a. Fertilizer-bioinsecticide synergy improves maize resilience to Spodoptera frugiperda infestation. Crop Protection 177: 106548. <https://www.dpi.10.1016/j.cropro.2023.106548>.

Fiaboe KR, Abalo F, Abalo KM, Peter E, Agnamba AO, Abdoulaye A, **Koffi D**, Agboka K. 2024b. Ecological and financial efficiency of insecticidal control of fall armyworm. Arthropod Anthropoces 1: aa00064.

**Koffi D**, Agboka K, Adjevi MKA, Adom M, Tounou AK, Meagher RL. 2023. The natural control agents of the fall armyworm, *Spodoptera frugiperda* in Togo: Moderating insecticide applications for natural control of the pest? Journal of Pest Science 96:1405–1416. <https://doi.org/10.1007/s10340-023-01662-0>.

**Koffi D**, Agboka K, Fening KO, Adjevi MKA, Badziklou JEA, Tchegueni M, Tchao M, Meagher RL. 2022. “*Spodoptera frugiperda* in Togo 5 Years on: Early Impact of the Invasion and Future Developments.” Bulletin of Entomological Research 1–8. <https://doi.org/10.1017/S0007485322000207>.

Nagoshi RN, Goergen G, **Koffi D**, Agboka K, Adjevi MKA, du Plessis A, Van den Berg J, Tepa‑Yotto GT, Winsou JK, Meagher RL, Brévault T. 2022. Genetic studies of fall armyworm indicate a new introduction into Africa and identify limits to its migratory behavior. Scientific Reports 12: 1941. [https://doi.org/10.1038/s 41598-022-05781-z](https://doi.org/10.1038/s%2041598-022-05781-z).

**Koffi D**, Kyerematen R, Osae M, Amouzou K, Eziah VY. 2021. Assessment of *Bacillus thuringiensis* and emamectin benzoate on the fall armyworm *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae) severity on maize under farmers’ fields in Ghana. International Journal of Tropical Insect Science 2: 1619-1626. <https://doi.org/10.1007/s42690-021-00683-5>.

Nagoshi RN, **Koffi D**, Agboka K, Adjevi AKM, Meagher RL, Goergen G. 2021. “The Fall Armyworm Strain Associated With Most Rice, Millet, and Pasture Infestations in the Western Hemisphere is Rare or Absent in Ghana and Togo.” PLoS ONE 16(6): e0253528. <https://doi.org/10.1371/journal.pone.0253528>.

Fiaboe KR, Agboka K, Agboyi LK, **Koffi D**,Ofoe R, Kpadonou GE, Agnamba AO,Assogba K, Adjevi MKA, Zanou KT, Fening OK. 2021. First report and distribution of the South American tomato pinworm, Tuta absoluta (Meyrick) (Lepidoptera: Gelechiidae) in Togo. Phytoparasitica 49: 167–177. <https://doi.org/10.1007/s12600-020-00841-4>.

**Koffi D**, Agboka K, Adjevi AKM, Assogba K, Fening KO, Osae M, Aboagye E, Meagher RL, Nagoshi RN. 2021. Trapping *Spodoptera frugiperda* (Lepidoptera: Noctuidae) Moths in Different Crop Habitats in Togo and Ghana. Journal of Economic Entomology. XX(XX): 1–7. <https://doi:10.1093/jee/toab048>.

**Koffi D**, Agboka K, Adenka KD, Osae M, Tounou KA, Adjevi MKA, Fening KO, Meagher Jr RL. 2020. “Maize Infestation of Fall Armyworm (Lepidoptera: Noctuidae) Within Agro-ecological Zones of Togo and Ghana in West Africa 3 Yr After Its Invasion.” Environmental Entomology 49: 645-650. <https://doi.org/10.1093/ee/nvaa048>.

**Koffi D**, Kyerematen R, Eziah VY, Osei-Mensah YO, Afreh-Nuamah K, Aboagye E, Osae M, Meagher RL. 2020. “Assessment of Impacts of Fall Armyworm, *Spodoptera frugiperda* (Lepidoptera: Noctuidae) on Maize Production in Ghana.” Journal of Integrated Pest Management 11: 1–7. <https://doi.org/10.1093/jipm/pmaa015>.

**Koffi D**, Kyrematen R, Eziah YV, Agboka K, Adom M, Goergen G, Meagher RL. 2020. Natural enemies of fall armyworm, *Spodoptera frugiperda* (J.E. Smith) (Lepidoptera: Noctuidae) in Ghana. Florida Entomologist 103(1): 85–90. <https://doi:10.1653/024.103.0414>.

Meagher RL, Agboka K, Tounou AK, **Koffi D**, Agbevohia KA, Amouze TR, Adjevi KM, Nagoshi RN. 2019. Comparison of pheromone trap design and lures for *Spodoptera frugiperda* in Togo and genetic characterization of moths caught. Entomologia Experimentalis et Applicata 167: 507–516. <https://doi.org/10.1111/eea.12795>.

Nagoshi RN, Goergen G, Tounou KA, Agboka K, **Koffi D**, Meagher RL. 2018. “Analysis of Strain Distribution, Migratory Potential, and Invasion History of Fall Armyworm Populations in Northern Sub-Saharan Africa.” Scientific Reports 8: 10. <https://doi.org/10.1038/s41598-018-21954-1>.

Nagoshi RN, **Koffi D**, Agboka K, Tounou KA, Banerjee R, Jurat-Fuentes JL, Meagher LR. 2017. Comparative molecular analyses of invasive fall armyworm in Togo reveal strong similarities to populations from the eastern United States and the Greater Antilles. PLoS ONE 12(7): e0181982. <https://doi.org/10.1371/journal.pone.0181982>.

## **Oral and poster presentations**

**Koffi D,** Agboka K, Tounou KA, Adjevi MKA, Kyerematen, Eziah VY, Heckel DG, Groot AT, Hänniger S. 2018. Structure and distribution of fall armyworm strains and their hybrids in Togo. Oral presentation: JSIL, Lomé, Togo.

**Koffi D**, Nagoshi RN, Agboka K, Tounou KA, Banerjee R, Jurat-Fuentes JL, Meagher RL. 2018. Comparative molecular analyses of invasive fall armyworm in Togo reveals strong similarities to populations from the Eastern United States and the Greater Antilles. Oral presentation: JSIL, Lomé, Togo.

**Koffi D**, Nagoshi RN, Goergen G, Agboka K, Tounou KA, Meagher RL. 2018.Analysis of strain distribution, migratory potential, and invasion history of fall armyworm populations in northern Sub-Saharan Africa. Oral presentation: JSIL, Lomé, Togo.

**Koffi D**, Agboka K, Adjevi AKM, Assogba K, Fening KO, Osae M, Aboagye E, Meagher RL, Nagoshi RN. 2019. Trapping *Spodoptera frugiperda* (Lepidoptera: Noctuidae) Moths in Different Crop Habitats in Togo and Ghana. Oral presentation, West African Organic Production, Accra, Ghana.

**Koffi D.** 2020. Impacts of pesticides on farmers, consomers and non-target organisms: Implications of spraying maize farms. Oral presentation, DAAD Alumni conference, Accra, Ghana.

**Koffi D**, Agboka K, Adom M, Adjevi MKA, Tounou KA, Meagher RL. 2024. Eco-friendly management of fall armyworm: can host-plant intercropping drive to a sustainable IPM? Oral presentation, Deuxième Conférence Entomologique de Côte d'Ivoire, Abidjan, Côte d'Ivoire.

**Koffi D**, Agboka K, Adjevi MKA, Adom M, Tounou KA, Meagher RL. 2024. The natural control agents of the fall armyworm, Spodoptera frugiperda in Togo: moderating insecticide applications for natural control of the pest? Poster presentation, Deuxième Conférence Entomologique de Côte d'Ivoire, Abidjan, Côte d'Ivoire.

**Koffi D**, Agboka K, Adjevi MKA, Negloh K, Zanou TK, Tchao M, Tchegueni M, Tounou KA, Meagher RL. 2025. Nationwide monitoring of the fall armyworm reveals differences of trappings and severities between climatic regions in Togo. Oral Presentation. Symposium de la Société Entomologique de la République du Benin.

**Koffi D**, Vosteen I, Bruno P, Rostás M. 2025. Suitability of plant species for the planthopper, *Pentastiridus leporinus* (Hemiptera: Cixiidae). Poster presentation. Congress of DGaaE, Giesenheim, Germany.

**Koffi D**, Vosteen I, Bruno P, Rostás M. 2025. Vector-mediated transmission of γ-proteo-endobacteria: Behavior of *Pentastiridus leporinus* (Hemiptera: Cixiidae) on dandelion genotypes. Poster presentation. Conference on SBR, Braunschweig, Germany.