Publications/Abstracts

Galo, D., Villordon, A., Watson, T.T. (2025) Variation in root system architectural responses to *Meloidogyne enterolobii* and *M. incognita* parasitism in sweetpotato genotypes. *HortScience* (Accepted January 2, 2025).

Galo, D., Rezende, J.S., Watson, T.T. (2025) Influence of sweetpotato resistance on the development of *Meloidogyne enterolobii* and *M. incognita*. *Phytopathology* (Accepted December 19, 2024).

​​Fraher, S. P., Watson, M., Nguyen, H., Moore, S., Lewis, R., Kudenov, M., Yencho, G. C., & Gorny, A. (2024). A comparison of three automated root-knot nematode egg counting approaches using machine learning, image analysis, and a hybrid model. Plant Disease, 108(1), 1-9.

Fraher, S., Schwarz, T., Heim, C., Gesteira, G., Mollinari, M., Pereira, G., Zeng, Z.-B., Brown-Guedira, G., Gorny, A., and Yencho, C. 2024. Discovery of a major QTL for resistance to the guava root-knot nematode (Meloidogyne enterolobii) in ‘Tanzania’, an African landrace sweetpotato (Ipomoea batatas). <https://doi.org/10.1007/s00122-024-04739-1>.

Galo, D., Rezende, J. S., La Bonte, D. R., & Watson, T. T. (2024). Identification of Combined Resistance to *Meloidogyne enterolobii* and *M. incognita* in Sweet Potato Genotypes. *Plant Disease*, *108*(10), 3092-3096.

Bowers, R.R.; Slonecki, T.J.; Olukolu, B.A.; Yencho, G.C.; Wadl, P.A. Genome-Wide Association Study of Sweet Potato Storage Root Traits Using GWASpoly, a Gene Dosage-Sensitive Model. Int. J. Mol. Sci. 2024, 25, 11727. <https://doi.org/10.3390/ijms252111727>.

Blankenship CD, Jennings KM, Monks DW, Meyers SL, Jordan DL, Schultheis JR, Suchoff DH, Moore LD, Ippolito SJ (2024) Effect of *S* -metolachlor and flumioxazin herbicides on sweetpotato treated with and without activated charcoal applied through transplant water. Weed Technol 38:e50

Cooper E, Meyers SL, Jennings K, Adair A, Gibson KD, Johnson WG. Effect of buckwheat and silage tarps on sweetpotato between-row weed control. Weed Technol 39:e17. doi:10.1017/wet.2024.69 <div></div>

Cooper E, Meyers SL, **Jennings K**, Adair A, Gibson KD, Johnson WG (2024) Effect of in-row spacing on weed suppression and yield of 'Covington' and 'Monaco' sweetpotato. **Weed Technol** 2024;38:e59. doi: 10.1017/wet.2024.63 23.

Cooper EG, Meyers SL, Arana J, Jennings K, Adair A, Gibson KD, Johnson WG (2024) Evaluation of critical weed-free period for three sweetpotato (Ipomoea batatas) cultivars. Weed Science 72(3):267-274 doi:10.1017/wsc.2024.15

**Abstracts**

Crawford SE, Jennings KM, Monks DW, Jordan DL, Schultheis JR, Gorny AM, Moore LD, Ippolito SJ (2024) Effect of transplant type on sweetpotato (Ipomoea batatas) tolerance to herbicides. Proceedings of Weed Science Society of America annual meeting 64:287

Blankenship CD, Jennings KM, Monks DW, Cahoon CC, Jordan DL, Basinger NT, Baron JJ, Ippolito SJ (2024) Effect of timing of the Weed Zapper on Palmer amaranth control and sweetpotato yield and quality. Proceedings Southern Weed Science Society

Ippolito SJ, **Jennings KM**, Monks DW, Jordan DL, Gorny AM, Moore LD (2024) Evaluating Sweetpotato (*Ipomoea batatas*) tolerance to herbicides applied post-transplant. Proceedings of Weed Science Society of America annual meeting 64:479

**2024 field day playlist:** [**https://www.youtube.com/playlist?list=PLjLnd10NgXsewJdKbNkhB-X9zS8awCKbs**](https://www.youtube.com/playlist?list=PLjLnd10NgXsewJdKbNkhB-X9zS8awCKbs)

**Grants**

1. SCRI Standard Research and Extension Project (SREP)

Rapid Development of Marketable Root-Knot Nematode Resistant  Sweetpotato Varieties: Translation of Genomics and Advanced Phenomics into On-Farm  Crop Management Solutions

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1. OREI Multi-Regional Integrated Project Proposal Project title: A Multifaceted Approach to Weed Management in Organic Sweetpotato Production Systems in the Southeastern United States

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