On-Farm Experimentation Community Info No. 29

Jun 5, 2023

On-Farm Experimentation Community (OFE-C)

International Society of Precision Agriculture (ISPA)

Co-editor of the month

Thanks to my co-editor of the month Dr. Myrtille Lacoste who is an Independent consultant in OFE, Montpellier, France

#OFE2023 – Abstract submission is open until July 1st

Stay on top of the latest information for the 2nd Conference on Farmer-Centric On-Farm Experimentation which will take place in a virtual format on Dec. 5-7 2023 by visiting the conference webpage: https://www.gofen.org/ofe2023/. You may submit your 150-word abstract here.

Nebraska On-Farm Research Network

The Nebraska On-Farm Research Network is a collaborative project where producers take an active role in answering questions that impact the productivity, profitability, and long-term sustainability of their operations. Research is conducted using scientifically sound methods and results provide valuable information for farmers and agronomists throughout the state. Learn about the Nebraska On-Farm Research Network here. You can also read more in the Proceedings of the North Central Extension-Industry Soil Fertility Conference.

Recent papers on OFE

- Koehler-Cole, K., Basche, A., Thompson, L., Rees, J. (2023). Comparing cover crop research in farmer-led and researcher-led experiments in the Western Corn Belt. Front. Sustain. Food Sys. 7:1064251. https://doi.org/10.3389/fsufs.2023.1064251
- Laurent, A., Heaton, E., Kyveryga, P. Makowski, D., Puntel, L., Robertson, A., Thompson, L., Miguez, F. (2022). A yield comparison between small-plot and on-farm foliar fungicide trials in soybean and maize. Agron. Sustain. Dev. 42, 86. https://doi.org/10.1007/s13593-022-00822-3
- Tanaka, T.S.T., Mieno, T., Tanabe, R., Matsui, T., and Bullock, D.S., 2023. Toward an effective approach for on-farm experimentation: lessons learned from a case study of fertilizer application optimization in Japan. Precision Agric (2023). https://doi.org/10.1007/s11119-023-10029-5

Tools for OFE

"*On-farm research helps farmers make more informed management decisions in their operations for increased productivity and sustainability.* […] *major barriers to adoption of on-farm research have been the space (larger fields) and the time required to conduct trials during planting and harvest. As these logistical and potentially economic challenges might discourage farmers from engaging in on-farm research and be part of on-farm research networks, a new way to conduct trials was developed that makes use of yield monitor technology and advances in spatial statistics.*" Read more about the single-strip evaluation approach (SSEA) here.

This letter was prepared by Louis Longchamps, co-chair of the ISPA OFE Community
Should you have something to share with the Community or the Community leaders, let us know here.