

Curriculum VITA

Greg LaBarge

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Degree Information:

MS, Agronomy, University of Missouri - Columbia

BS, Agronomy, University of Missouri - Columbia

Specialization:

Agronomic Systems

Biography:

PROFESSIONAL EXPERIENCE

- Jun 2018, Professor, OSUE Agriculture & Natural Resources, College of Food, Agriculture and Environmental Sciences, The Ohio State University
- Jan 2012, Associate Professor, OSUE Agriculture & Natural Resources, College of Food, Agriculture and Environmental Sciences, The Ohio State University
- Oct 2006 - Dec 2011, Associate Professor, OSUE County Operations, The Ohio State University
- Jun 1987-Sep 2006, Instructor, OSUE County Operations, The Ohio State University

EXTENSION AND RESEARCH EMPHASIS

Nutrient and water quality impacts from row crop production systems. Focus is specifically on nitrogen and phosphorus management effects on crop yield and water quality at edge of field.

Conduct applied research applicable to corn, soybean, wheat and forage producers. Work directly with agricultural producers, associated support industries and OSUE staff on agronomic management and cropping systems. Develop outreach materials for these audiences.

OUTREACH PUBLICATIONS (Last 4 Years)

1. LaBarge, G.A. (2023). Ohio Phosphorus (P) Use by Crop Reporting District (Report No. ANR0144). [Fact Sheet] Ohio State University Extension, Columbus, United States. Retrieved from <https://ohioline.osu.edu/factsheet/anr-0144>
2. LaBarge, G.A. (2023). Phosphorus (P) Nutrient Use in Ohio (Report No. ANR0143). [Fact Sheet] Ohio State University Extension, Columbus, United States. Retrieved from <https://ohioline.osu.edu/factsheet/anr-0143>
3. LaBarge, G.A.; Beers, L. (2022). Nutrient Management of Forage Crops Intended for Hay. [Fact Sheet] Retrieved from <https://ohioline.osu.edu/factsheet/anr-0109>
4. LaBarge, G.A. (2022). Developing Phosphorus and Potassium Recommendations for Field Crops. [Fact Sheet] Retrieved from <https://ohioline.osu.edu/factsheet/agf-0515>
5. LaBarge, G.A. (2022). Interpreting a Soil Test Report. [Fact Sheet] Retrieved from <https://ohioline.osu.edu/factsheet/agf-0514>
6. LaBarge, G.A.; Brown, C.; Culman, S. (2022). Choosing a Laboratory for Nutrient and Soil Health Testing (Report No. ANR-0107). [Fact Sheet] Ohio State University, Columbus, United States. Retrieved from <https://ohioline.osu.edu/factsheet/anr-0107>
7. LaBarge, G.; Watters, H.; Fisher, B.; Schroeder, C. et al. (2021). Training Manual - Ohio Agricultural Fertilizer Applicator Certification (Report No. ANR 842). [Bulletin] Ohio State University Extension. Retrieved from <https://extensionpubs.osu.edu/crops/field-crops/>
8. Culman, S.; Fulford, A.; Camberato, J.; Steinke, K. (2020). Tri-State Fertilizer Recommendations for Corn, Soybean, Wheat and Alfalfa (Report No. 974). [Bulletin] Retrieved from <https://extensionpubs.osu.edu/tri-state-fertilizer-recommendations-for-corn-soybean-wheat-and-alfalfa/>
9. Labarge, G.A. (2020). Fertilizer Calculator for Ohio (Version 2020) User Guide. [Pamphlet] Retrieved from <https://agcrops.osu.edu/file/user-guide-fertilizer-calculator-ohiopdf>
10. Culman, S.; Fulford, A.; Camberato, J.; Steinke, K. et al. (2020). Tri-State Fertilizer Recommendations For Corn, Soybeans, Wheat and Alfalfa (Report No. Bulletin 974). [Bulletin] Retrieved from https://agcrops.osu.edu/FertilityResources/tri-state_info
11. Culman, S.; Zone, P.; Kim, N.; Fulford, A. et al. (2020). Nutrients Removed In Harvested Corn, Soybean And Wheat Grain In Ohio (Report No. ANR-74). [Fact Sheet] Retrieved from <https://ohioline.osu.edu/factsheet/anr-74>
12. Culman, S.; Custer, S.; King, K.; LaBarge, G. et al. (2019). Phosphorus Nutrient Management for Yield and Reduced P Loss at Edge of Field. [Fact Sheet] Ohioline, Columbus, OH, United States. Retrieved from <https://ohioline.osu.edu/factsheet/agf->

13. Culman, S.; Zone, P.; Kim, N.; Fulford, A. et al. (2019). Nutrients Removed with Harvest Corn, Soybean, and Wheat Grain in Ohio (Report No. ANR-74). [Fact Sheet] The Ohio State University, Columbus, OH, United States. Retrieved from <https://ohioline.osu.edu/factsheet/anr-74>

RECENT REFEREED PUBLICATIONS (Last 4 years)

1. King, K.W.; Hanrahan, B.R.; LaBarge, G.A.; Stinner, J.H.; Rumora, K. (2023). Subsurface phosphorus and nitrogen loss following liquid dairy manure and commercial fertilizer application on a clay soil in northwest Ohio. *Journal of Environmental Quality*, 52 (4), 859-872. doi:10.1002/jeq2.20478
2. Culman, S.; Fulford, A.; LaBarge, G.; Watters, H.; Lindsey, L.E.; Dorrance, A.; Deiss, L. (2023). Probability of crop response to phosphorus and potassium fertilizer: Lessons from 45 years of Ohio trials. *Soil Science Society of America Journal*, doi:10.1002/saj2.20564
3. Guo, T.; Johnson, L.T.; Labarge, G.A.; Penn, C.J.; Stumpf, R.P.; Baker, D.B.; Shao, G. (2021). Less Agricultural Phosphorus Applied in 2019 Led to Less Dissolved Phosphorus Transported to Lake Erie. *Environmental Science and Technology*, 55 (1), 283-291. doi:10.1021/acs.est.0c03495
4. Hanrahan, B.R.; King, K.W.; Williams, M.R.; Duncan, E.W.; Pease, L.A.; LaBarge, G.A. (2019). Nutrient balances influence hydrologic losses of nitrogen and phosphorus across agricultural fields in northwestern Ohio. *Nutrient Cycling in Agroecosystems*, doi:10.1007/s10705-019-09981-4
5. Wilson, R.S.; Beetstra, M.A.; Reutter, J.M.; Hesse, G.; Fussell, K.M.D.V.; Johnson, L.T. et al. (2018). Commentary: Achieving phosphorus reduction targets for Lake Erie. *Journal of Great Lakes Research*, doi:10.1016/j.jglr.2018.11.004
6. Ward, A.; Sharpley, A.; Miller, K.M.; Dick, W.; Hoorman, J.; Fulton, J.P.; LaBarge, G. (2018). An assessment of in-field nutrient best management practices for agricultural crop systems with subsurface drainage. *Journal of Soils and Water Conservation*, 73 (1), 5A-10A. doi:10.2489/jswc.73.1.5A
7. Pease, L.; King, K.; Williams, M.; Labarge, G.; Duncan, E.; Fausey, N. (2017). Phosphorus export from artificially drained fields across the Eastern Corn Belt. *JOURNAL OF GREAT LAKES RESEARCH*, doi:10.1016/j.jglr.2017.11.009