**NC\_old1195 Meeting Minutes**

**Project/Activity Number:** NC\_old1195

**Project/Activity Title:** Enhancing nitrogen utilization in corn based cropping systems to increase yield, improve profitability and minimize environmental impacts

**Period Covered:** March 7, 2020 to March 2, 2021

**Date of this Report:** May 02, 2020

**Annual Meeting Date(s):** March 2-3, 2021

**Meeting attendees**

18 attendees. Arnall, Brian (b.arnall@okstate.edu) – Oklahoma State Univ.; Castellano, Michael (castelmj@iastate.edu) – Iowa State Univ.; Drijber, Rhae (rdrijber1@unl.edu) – Univ. of Nebraska-Lincoln; Erickson, John (john.erickson@usda.gov) – NIFA National Program Leader; Fernandez, Fabian (fabiangf@umn.edu) – Univ. of Minnesota; Jagadamma, Sindhu (sjagada1@utk.edu) – Univ. of Tennessee; Khanal, Sami (khanal.3@osu.edu) – Ohio State Univ.; Laboski, Carrie (laboski@wisc.edu) – Univ. of Wisconsin; Lamkey, Kendall (krlamkey@iastate.edu) – Iowa State Univ.; Li, Xiaofei (xiaofei.li@msstate.edu) – Mississippi State Univ.; McDaniel, Marshall (marsh@iastate.edu) – Iowa State Univ.; Norton, Jeanette (jeanette.norton@usu.edu) – Utah State Univ.; Owens, Vance (Vance.Owens@usda.gov) – USDA-NIFA National Program Leader; Poffenbarger, Hanna (hanna.poffenbarger@uky.edu) – Univ. of Kentucky; Russell, Ann (arussell@iastate.edu) – Iowa State Univ.; Sawyer, John (jsawyer@iastate.edu) – Iowa State Univ.; Scharf, Peter (ScharfP@missouri.edu) – Univ. of Missouri; Horwath, William (wrhorwath@ucdavis.edu) – Univ. of California-Davis.

**Brief summary of minutes of 2021 annual meeting**:

The 2021 meeting was held March 2-3 virtually online.

* NIFA update: John Erickson and Vance Owens gave detailed updates regarding the current USDA-NIFA funding situations, priority areas, and COVID-19 impacts.
* State reports: All attendees gave 15-30 minute presentations on their work relevant to this project theme, followed by detailed discussion of each topic areas.
* Key discussions: a) soil health (mycorrhizal fungi, water, microbial community, etc.); b) nitrogen cycling (mineralization, teaching through the N cycling gaming, etc.); c) nitrogen management (delayed nitrogen; topography effect; microbes, etc.); d) agroecosystem and conservation (cover crop effects, satellite image, etc.); e) variable optimal N rates across trials; f) spatial component of N data analysis
* Renewal of NC1195 project: The renewal was successfully submitted and under review for approval. We planned to adjust some new research and collaborations following the objectives of the renewed project.
* Administrative Update: Kendall Lamkey gave the Administrator Advisor’s report. He especially pointed out the focus will be on multistate collaborations, which are something we can only complete together rather than by our own.
* Meeting in 2022: The group agreed to hold the next meeting on March 1-2, 2022 at Fairfield

Inn and Suites, Kansas City, MO.

* Executive Committee changes: The current Secretary, **Xiaofei Li**, will be the Chair in 2022, and the current Member-at-Large, **Hanna Poffenbarger**, will be the Secretary. **Sami Khanal** was elected as the Member-at-Large for 2022. The current Chair, **Sindhu Jagadamma**, will be the past Chair.