**AES-422 – NC1195 Accomplishments Report**

**Project/Activity Number:** NC1195

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

**Period Covered:** March 7, 2019 to March 6, 2020

**Date of this Report:** April 06, 2020

**Annual Meeting Date(s):** March 3-4, 2020

**Meeting attendees**

13 attendees. Castellano, Michael (castelmj@iastate.edu) – Iowa State Univ.; Dobrowolski, James ([james.dobrowolski@usda.gov](mailto:james.dobrowolski@usda.gov)) – NIFA Program Manager; Jagadamma, Sindhu (sjagada1@utk.edu) – Univ. of Tennessee; 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.; 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 2020 annual meeting**:

The 2020 meeting was held March 3-4 in Kansas City, MO at the Fairfield Inn & Suites.

* NIFA update: Jim Dobrowolski gave a detailed update regarding USDA’s recent move to Kansas City, MO and the associated issues including staff shortage. Their primary focus right now is to award 2019 funded projects. Approval of no cost extensions will be a slow process.
* 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) economic return of soil N tests; b) changing sub-surface drainage depth and spacing to reduce C and N loss; c) organic amendments (e.g., food waste, biochar, glycerin) on soil N use efficiency; d) refining N rate recommendations, e) CENTURY-based assessment of SOM changes in Iowa agricultural systems
* Collaborative research outcome from NC1195 committee: a) Multi-authored research article on soil N tests and their ability to corn N response (McDaniel et al., Agronomy Journal, [DOI: org/10.1002/agj2.20129](DOI:%20org/10.1002/agj2.20129)), <https://www.news.iastate.edu/news/2020/03/09/nitrogensoiltest>).
* Renewal of NC1195 project: We discussed new proposal preparation plans and various deadlines. We decided to conduct monthly video conferences to make progress.
* Administrative Update: Kendall Lamkey gave the Administrator Advisor’s report. He

explained the criteria for the Project review, and discussed how to improve our reports.

* Meeting in 2021: The group agreed to hold the next meeting on March 2-3, 2021 at Fairfield

Inn and Suites, Kansas City, MO.

* Executive Committee: The current Secretary, **Sindhu Jagadamma**, will be the Chair in 2021 and the current Member-at-Large, **Xiaofei Li**, will be the Secretary. **Hanna Poffenbarger** was elected as the Member-at-Large for 2021. **Ann Russell** will be the past-Chair.