

NCAC1 2021 Meeting 1/11/2021
Meeting held virtually via Zoom.

Attendees

Kendall Lamkey
Jeff Jacobsen
Stephen Anederson
Gary Muehlbauer
Michel Ransom
James Metzger
Richard Horsley
Brian Horgan
Ronald Turco
Patrick Market
Brian Slater
Carl Rosen
John Groninger
Martha Mamo

After introductions, the reviews of NC projects were addressed.

NC temp 1203

Review by Horgan/Rosen

- Lipids: metabolism and function
- Well written and organized
- Complete lit review
- Detailed individual projects
- No overlap
- Appropriate output
- Adequate reporting and participation
- Explanation of issues resulting if this project did not occur were not adressed
- Positive AA review

Brief discussion on funding of NC projects – Jacobsen

- Generally no direct funding
- Funding to RS Directors
- Variable uses: travel, salaries, benefits, some operating funds
- Funding potential based on past outcomes
- Aim to foster competitive funding success and coordination

Recommendation: Approve, carried unanimously

NC temp 1195

Horgan/Davis (absent)

- N utilization in corn systems, goal to reduce inputs, limit environmental effects, enhance yield
- Appropriate scientific content
- New analyses and sensors
- Improved N loss practices
- Empirical and modeling approaches
- Appropriate objectives
- Crop advisors and producers integrated in project
- Well-defined outputs
- Adoption and impacts assessable
- Mamo: regional issues, espec. water quality should be explicit

Recommendation: Approve, unanimous

NC temp 1212 (new)

Lamkey/Horsley

- Plant phenome in controlled and field env.
- Use of phenomic facilities regionally, coordination
- Improve automation of phenotyping
- Using maize as pilot
- Integration of sensors, data management
- Trials, experiments, data collection
- Well written
- Research output
- Not extension focused
- Funding and process challenges
- AA reviewer, Marin, retired

Recommendation: approve, unanimous

NCERA temp 221

Horsley

- Turfgrass

- Questions missing
- Minimally adequate
- Issues and justification adequate
- Related work and background inadequate
- Discussion of past work, citations needed
- Outputs, web page good
- Funding for turf grass work is reducing so cooperative projects essential
- Potential benefits and impacts could be elaborated
- Good outreach plan
- Since NCERA, needs to relate to appendix J: revisited
- Assessed as fair to god

Recommendation: Approve with normal revision, carried unanimously

NCERA temp 59

Mamo

- Soil organic matter coordinating committee
- Working since 1955
- Promote research
- Mechanisms for cycling
- Formation
- Chemical and biological aspects
- New models and information tools
- Regional and National scope
- New work related to C storage, thresholds resilience, greenhouse gases degradation
- New work on indicators, soil health
- Active stakeholder involvement,, policy outcomes
- Publications and regular meetings
- Outreach and extension publications and organization
- Coordination with 1178 on Ag practices
- Well-defined outcomes

Recommendation: Approve/Continue, unanimous

NCERA temp 13

Rosen

- Soil testing, plant analysis

- Long history
- Necessary group
- Not a lot of effort to revise: 80% same as previous project
- Goals and objects (6) could be condensed
- Bulletin is major output: recommended testing procedures for NC
- Well-cited document
- Goal to go beyond state boundaries for broader regional recommendations
- Involvement of private labs as university labs reduced
- Good potential given history of meetings, participation
- Achievable outcomes identified
- Potential for increased interaction e.g. with NCERA 59, soil health tests

Recommendation: Approve with suggested revisions, unanimous

NCCC307

Turco

- Plant/fungal interactions
- Signalling, genetic responses
- Coordinating committee
- Since 1991
- Overall good, could benefit from some more updates
- Minimal recent literature
- Objectives light
- Publications meetings, grant proposals
- More crossover interactions advisable e.g. NCAC 14 Plant Pathology

Recommendation: Approve, unanimous

Discussion of 2022 meeting followed

- Horsley volunteered
- San Diego favored Hilton Garden Inn

State Reports presented