



MINUTES
June 26, 2017

The meeting of the South Dakota Nutrient Research and Education Council was called to order by Bill Gibbons, at 10:00 AM, June 26, 2017 at the SDSU Cow-Calf Education & Research Facility Classroom on the campus at South Dakota State University.

In attendance were council members Kevin Bachmeier, David Smith (SDDA), Bill Gibbons, Richard Jenny, Jim Loken, Dana Loseke, Al Miron, Colin Nachtigal, Ryan Schuchhardt, Richard Vasgaard, Paul Wegleitner, and Tom Wallis. Absent was Bryan Jorgensen and Ryan Wolf. Also in attendance were Kathy Zander, Executive Director, South Dakota Agri-Business Association; Justin Werkmeister, Director of Finance and Accountability, SDSU; Lora Berg, Director of Marketing and Communications, SDSU; and Missy Vande Weerd, Assistant to the Director of the SD Agricultural Experiment Station at SDSU.

A draft of by-laws was presented by Bill Gibbons and reviewed by the Council. The Council discussed revisions and Richard Vasgaard moved the by-laws be approved with the revisions. Richard Jenny seconded the motion and the motion carried.

Justin Werkmeister gave an update on the funding, indicating there was \$502,000 in the account as of the meeting.

Officers were then elected. Ryan Schuchhardt nominated Ryan Wolff for Chairman. Colin Nachtigal seconded the motion and moved nominations cease. The motion carried, and Ryan Wolff was elected Chairman by unanimous vote. Chairman Wolff then asked for nominations for vice-chair. Ryan Schuchhardt nominated Al Miron, and Richard Jenny nominated Ryan Schuchhardt for Vice-Chair. Nominations ceased, and Ryan Schuchhardt was elected Vice-Chair by a majority of the council. Chairman Wolff asked for nominations for Treasurer. Al Miron nominated Jim Loken and Richard Jenny moved nominations cease. Kevin Bachmeier seconded the motion and the motion carried. Jim Loken was elected Treasurer by unanimous vote. Chairman Wolff opened nominations for Secretary. Al Miron nominated Colin Nachtigal and moved nominations cease. Richard Jenny seconded the motion and the motion carried. Colin Nachtigal was elected Secretary by unanimous vote.

The council discussed an annual meeting, and determined it was not necessary.

The request for proposal (RFP) timeline was discussed next and proposed to be a 16-week window. Once the RFP is announced, applicants would have four weeks to submit preproposals; the following four weeks would allow peer review and Council review of the projects. The approved pre-proposals would then be notified and asked to complete a full proposal due in four weeks. After that time, there would be an opportunity to present full proposals to the Council at their next meeting if invited. The council would make funding decisions at that time. Projects approved now could start in July of 2018, to be finished in December of 2019. The Council determined that all council members would be able to look at the pre-proposals, make comments and cast their vote. Pre-proposals that received four or more votes would be asked to submit full proposals. Once the full proposals were submitted, the full council would review, make comments and cast their vote. Projects that received a majority of the quorum would be funded.

At this time, presentations were given by researchers. Of the eight presentations, the council approved four to proceed and awarded \$222,611. The projects approved are as follows:

1. Calibration of Nitrogen Requirements of Oats Grown for Grain in South Dakota (David Karki) \$31,934;
2. Exploring New Microbial Pathway for Nitrate Retention to Increase Agroecosystem Sustainability (Shin-Yi Marzano) \$70,970;
3. Impacts of Cattle Manure and Inorganic Fertilizer on Soil Fertility, Water Quality, and Crop Yield in South Dakota (Sandeep Kumar) \$74,998;
4. Developing Low-Cost Technologies to Improve Water Quality and Sustainable Agricultural Practices in South Dakota (Srinivas Janaswamy) \$44,709.

Projects not approved were as follows:

1. Site-specific N Recommendation for Corn in South Dakota (Peter Kovacs);
2. Responsible Nutrient Management Education at the 2018 North American Manure Expo in Brookings, SD (David Kringen);
3. The Influence of Previous Soil Moisture and Soil Texture on Fertilizer Budget Throughout the Root Zone of Corn in Eastern South Dakota (Rachel McDaniel);
4. Survey Solar-Powered Nitrogen-Fixing Cyanobacteria in Top Soils of South Dakota (Ruanbao Zhou).

The council resumed discussion of regular business, and set initial term lengths as follows: Ryan Wolf (specialty fertilizer), 2-year term; Ryan Schuchhardt (fertilizer), 3-year term; James Loken (fertilizer), 2-year term; Colin Nachtigal (grower), 3-year term; Kevin Bachmeier (fertilizer), 1-year term; Al Miron (grower), 1-year term; Richard Vasgaard (grower), 2-year term; Richard Jenny (CCA), 3-year term; Bryan Jorgenson (environmental), 1-year term; Dana Loseke (environmental), 2-year term; Robert Walsh (commodity), 3-year term. The remaining members have no expiration date.

A sub-committee was then formed to discuss future topics for proposals. The sub-committee consists of: James Loken; Richard Jenny; Al Miron; Colin Nachtigal; and Bryan Jorgenson.

The next meeting was set for December 7, 2017, at 10:00 AM at the SDSU Cow-Calf Education & Research Facility Classroom at SDSU in Brookings.

Kevin Bachmeier made a motion to adjourn and the motion was seconded. The meeting adjourned at 5:00pm.

Submitted by:



Ryan Wolf, Chairman