

**South Dakota Nutrient Research and Education Council**  
**Minutes**  
**July 17, 2018**

The meeting of the South Dakota Nutrient Research and Education Council (SDNREC) was called to order by Chairman Ryan Wolf at 9:35 AM, July 17, 2018 at the McCrory Gardens Education & Visitor Center on the campus of South Dakota State University (SDSU).

Council members in attendance: Ryan Wolf (Chair), Ryan Schuchhardt (Vice Chair), Kevin Bachmeier, Richard Vasgaard, Richard Jenny, Tom Wolles, Robert Walsh, Dana Loseke, Bill Gibbons, David Smith, Paul Wegleitner

Members not in attendance: Colin Nachtigal (Secretary), Jim Loken (Treasurer), Bryan Jorgensen

Also in attendance: Kathy Zander, Angie Ritter

Chairman Ryan Wolf introduced Robert Walsh, new voting council member.

Approval of revised minutes:

- Motion from Richard Vasgaard to approve revised April 2017 minutes. Motion carried.
- Motion from Richard Jenny to approve revised June 2017 minutes. Motion carried.
- Motion from Ryan Schuchhardt to approve revised December 2017 minutes, striking David Smith as present. Motion to approve with modification carried.
- Angie Ritter was asked to upload the revised minutes to Open SD.

Chairman Ryan Wolf gave a financial update on behalf of Jim Loken. David Smith noted that fertilizer fees have been raised and may impact anticipated revenue. Smith also noted that the Department of Agriculture is investigating the possibility that one company overpaid, which would impact the available balance. Wolf said once the audit is completed and if a correction is necessary that he would ask for a revised financial report.

- Motion from Richard Vasgaard to approve financial report. Motion carried.
- Angie Ritter was asked to upload the financial report to Open SD.

Administrative functions of the South Dakota Agricultural Experiment Station at SDSU were discussed.

- Motion from Robert Walsh to approve administrative functions as listed below. Motion carried.
  - distribute the RFP (request for proposals)
  - facilitate SD Board of Regent/SDSU policies (routing for institutional approval, fund management)
  - collect proposals and package for review
  - manage peer review process (agreements, ratings and payments)
  - coordinate meetings on campus
  - notify applicants of the council's funding decision
  - assist council with reporting requests
  - upload documents on Open SD website
  - follow rules of and report to South Dakota legislature as requested (ie. Appropriations Committee)

Website ([www.sdnrec.org](http://www.sdnrec.org)) was announced. Motion from Ryan Wolf to designate Kathy Zander the NREC Website and Communications Coordinator. Motion carried. Zander and Wolf encouraged members to promote website.

Kathy Zander encouraged members who still need their bios added to Open SD to send that information to Angie Ritter.

Council discussed current website contract, which covers updating and maintaining [www.sdnrec.org](http://www.sdnrec.org). Motion from Richard Vasgaard to continue website contract with South Dakota Agri-business Association until further deemed by SDNREC. Motion carried.

Website promotion ideas shared included an informational email that could easily be forwarded, reaching out to membership organizations. Bill Gibbons suggested a 1 to 2 page document that members could share would be helpful. Ryan Schuchhardt suggested a press release, Ryan Wolf suggested a business sized card to pass out.

Kathy Zander will write a press release for NREC approval.

Bill Gibbons commented that researchers would publish in scientific journals.

Council discussed resources (time and money) for booths at events. Ryan Wolf was concerned resources too high. Kevin Bachmeier indicated that education is important element.

Brief NREC project updates were given from researchers with active NREC projects.

Ruanbao Zhou	<i>Evaluating Solar-Powered N<sub>2</sub>-Fixing Cyanobacteria in Topsoils of South Dakota for Soil Fertility and Practical Application</i>
Most Farzana Yesmin on behalf of Srinivas Janaswamy	<i>Developing low-cost technologies to improve water quality and sustainable agricultural practices in South Dakota</i>
Huma Saleem on behalf of Shin-Yi Marzano	<i>Exploring new microbial pathway for nitrate retention to increase agroecosystem sustainability</i>
David Karki	<i>Calibration of Nitrogen Requirement of Oats Grown for Grain in South Dakota</i>
Peter Kovacs	<i>Fertilizer N Rate Recommendation Update for Corn In-season N application in corn to improve fertilizer efficiency in eastern SD</i>
Jose Guzman on behalf of Sandeep Kumar	<i>Impacts of Manure and Inorganic Fertilizer on Soil Fertility, Water Quality, and Crop Yield in South Dakota</i>
Peter Sexton	<i>Sulfur and Nitrogen Dynamics For Rye Raised as a Cover Crop</i>

Jose Guzman	<i>The impact of soil test level differences on crop response, P leaching, and P runoff under long-term no-till management in South Dakota</i>
Christopher Graham	<i>Fertilization management to reduce potential yield declines following no-till adoption in semi-arid South Dakota</i>

NREC Project Terms & Conditions are under review. Ryan Wolf passed out a draft with rewording. Deferred until December meeting or vote by email prior to December.

The new Request For Proposals (RFP) was discussed. A pre-proposal would be released in July with a mid-August deadline. Applicants would be notified mid-September if they are invited to move forward in the competition, with full proposals due mid-October.

RFP focal areas were discussed and the Council approved the following topic areas:

Research and update NPK fertilizer recommendations in:

- no-till crop production systems for corn, soybeans and wheat
- reduced or conventional tillage crop production systems for corn, soybeans and wheat

Research the need for micronutrients and sulfur for corn, soybeans and wheat

Research the use of nitrogen stabilizers for corn and wheat in no-till and reduced tillage crop production situations

Research and update the various fertilizer application placement techniques for:

- phosphorus and compare the effectiveness of each placement on crop response for corn and wheat
- nitrogen and compare the effectiveness of each placement on crop response for corn

Bill Gibbons suggested term limits be addressed at a later date. There are members who have terms that are expiring and the Secretary of Agriculture will make the appointments.

SUBMITTED BY:

RYAN WOLF, CHAIRMAN

July 2018