



South Dakota Nutrient Research and Education Council

July 17, 2021

9:30 AM – 3:30 PM

SDSU Cow Calf Education and Research Facility

2901 Western Avenue, Brookings, SD 57007

Zoom: <https://sdstate.zoom.us/j/98128438711>

Phone: 346-248-7799 Meeting ID: 981 2843 8711

MEMBER	REPRESENTING
RYAN WOLF – CHAIR*	SPECIALTY FERTILIZER INDUSTRY
RYAN SCHUCHHARDT – VICE CHAIR*	FERTILIZER INDUSTRY
COLIN NACHTIGAL - SECRETARY*	GROWER ORGANIZATION
JIM LOKEN - TREASURER*	FERTILIZER INDUSTRY
KEVIN BACHMEIER*	FERTILIZER INDUSTRY
JERRY RUNIA*	GROWER ORGANIZATION
RICHARD JENNY*	CERTIFIED AGRONOMY ASSOCIATION
BRUCE HAINES*	FARMER MEMBER OF THE STATE CONSERVATION COMMISSION
ROBERT WALSH*	COMMODITY ORGANIZATION
BRYAN JORGENSEN	ENVIRONMENTAL ORGANIZATION
VACANT	ENVIRONMENTAL ORGANIZATION
BILL GIBBONS	SOUTH DAKOTA AGRICULTURAL EXPERIMENT STATION AT SDSU
TOM GERE	SECRETARY OF THE DEPARTMENT OF AGRICULTURE
JAMIE CHALCRAFT	SECRETARY OF THE DEPARTMENT OF AGRICULTURE
PAUL WEGLEITNER	SECRETARY OF THE DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
* VOTING MEMBER	

INVITED PARTICIPANTS	
KATHY ZANDER	SOUTH DAKOTA AGRIBUSINESS ASSOCIATION – EXECUTIVE DIRECTOR
ANGELA LOFTESNESS	SDSU COLLEGE OF AGRICULTURE, FOOD, AND ENVIRONMENTAL SCIENCES – ASSISTANT TO THE DEAN

9:00 – 10:00 AM	<p>WELCOME & APPROVAL OF AGENDA – RYAN SCHUCHHARDT</p> <p>APPROVAL OF MINUTES – COLIN NACHTIGAL AND KATHY ZANDER</p> <p>FINANCIAL REPORT – RYAN WOLF AND ANGELA LOFTESNESS</p> <p>APPROVAL OF REQUEST FOR PREPROPOSALS – RYAN WOLF AND ANGELA LOFTESNESS</p> <p>APPROVAL OF REQUEST FOR PROPOSALS – RYAN WOLF AND ANGELA LOFTESNESS</p> <p>REVIEW OF COUNCIL TERMS – RYAN WOLF</p> <p>REVIEW OF PROCEDURES: EXTENSIONS, PUBLICATIONS, OTHER – RYAN WOLF AND ANGELA LOFTESNESS</p>
10:00 – 10:15 AM	BREAK
10:15 AM – 12:00 PM	PROJECT PRESENTATIONS AND Q&A

10:15 AM	PÉTER KOVÁCS	SULFUR SOURCE AND APPLICATION TIMING EFFECT ON SOYBEAN YIELD
10:30 AM	PÉTER KOVÁCS	INVESTIGATING FERTILIZER RESPONSE AND REQUIREMENT IN HIGH PROTEIN SOYBEAN VARIETIES
10:45 AM	PÉTER KOVÁCS	INVESTIGATING IMPACT OF STARTER FERTILIZER PLACEMENT ON PLANT DEVELOPMENT, GRAIN YIELD, AND NUTRIENT UPTAKE
11:00 AM	SANDEEP KUMAR	INFLUENCES OF MANURE AND FERTILIZER APPLICATION IN CORN-SOYBEAN-SPRING WHEAT/COVER CROPS ROTATION ON WATER AVAILABILITY AND QUALITY, SOIL FERTILITY, AND CROP YIELD
11:15 AM	JOHN McMAINE	IDENTIFYING NUTRIENT LOSS HOT SPOTS IN TILE DRAINAGE
11:30 AM	DAVID CLAY	BUILDING A SOUTH DAKOTA CORN NO-TILLAGE N RECOMMENDATION ALGORITHM THAT CONSIDERS IMPROVEMENTS IN SOIL HEALTH
11:45 AM	DAVID CLAY	INFLUENCE OF NITROGEN STABILIZERS AND APPLICATION DATES IN NO-TILLAGE CORN PRODUCTION ON NITROGEN USE EFFICIENCY AND N LOSSES TO THE ATMOSPHERE AND GROUNDWATER

12:00 – 1:00 PM EXECUTIVE SESSION – LUNCH, PRELIMINARY DISCUSSION

1:00 – 3:00 PM PROJECT PRESENTATIONS AND Q&A

1:00 PM	SRINIVAS JANASWAMY	SYNTHETIC NODULES FOR NITROGEN NUTRITION IN CEREAL CROPS
1:15 PM	DWAYNE BECK	THE IMPACT OF PHOSPHORUS SOIL TEST LEVEL DIFFERENCES ON CROP RESPONSE, PHOSPHORUS LEACHING, AND PHOSPHORUS RUNOFF UNDER LONG-TERM NO-TILL MANAGEMENT IN SOUTH DAKOTA
1:30 PM	JASON CLARK	FERTILIZER N RATE RECOMMENDATION UPDATE FOR CORN
1:45 PM	JASON CLARK	INFLUENCE OF INTERSEEDING COVER CROPS ON NITROGEN FERTILIZER RATE REQUIREMENT FOR OPTIMAL CORN GRAIN YIELD IN A NO-TILL SYSTEM
2:00 PM	JASON CLARK	COMBINING SOIL FERTILITY AND SOIL HEALTH TO IMPROVE CORN POTASSIUM, PHOSPHORUS, AND SULFUR FERTILIZER RECOMMENDATIONS
2:15 PM	JASON CLARK	BUILDING POTASSIUM FERTILIZER GUIDELINES TO INCLUDE SOIL CLASSIFICATION INFORMATION
2:30 PM	JASON CLARK	SURVEY OF SOUTH DAKOTA PRODUCERS' CURRENT NUTRIENT MANAGEMENT PRACTICES
2:45 PM	DAVID KARKI	CALIBRATION OF NITROGEN REQUIREMENT OF OATS GROWN FOR GRAIN IN SOUTH DAKOTA

2:45 – 3:00 PM BREAK

3:00 – 4:00 PM EXECUTIVE SESSION – ADDITIONAL BUSINESS, WRAP-UP