



## South Dakota Nutrient Research and Education Council

December 2, 2021

9:30 AM – 4:00 PM

McCrary Gardens Education & Visitor Center

631 22<sup>nd</sup> Avenue, Brookings, SD 57007

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
KYLE GUSTAFSON*	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
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

9:30 – 10:45 AM	<p>WELCOME &amp; APPROVAL OF AGENDA – RYAN SCHUCHHARDT</p> <p>APPROVAL OF MINUTES – COLIN NACHTIGAL AND KATHY ZANDER</p> <p>FINANCIAL REPORT – JIM LOKEN AND ANGELA LOFTESNESS</p> <p>REVIEW &amp; APPROVAL OF NO COST EXTENSIONS – RYAN WOLF</p> <p>REVIEW &amp; APPROVAL OF CONSENT LIST FUNDING REQUESTS – RYAN WOLF</p>
10:45 – 11:00 AM	BREAK

11:00 AM – 12:00 PM PROJECT PRESENTATIONS AND Q&A

11:00 AM	ROBERT MILLER	EVALUATION OF SOIL TEST POTASSIUM AND SIDE DRESS APPLICATION OF POTASSIUM AND BIOCHAR ON CORN NUTRITION AND GRAIN YIELD IN EASTERN SOUTH DAKOTA
11:15 AM	ROBERT MILLER	EVALUATION OF ZINC AND BORON MICRO-NUTRIENTS ON CORN NUTRITION AND GRAIN YIELD IN EASTERN SOUTH DAKOTA
11:30 AM	SUNISH SEHGAL	BREEDING FOR IMPROVED NITROGEN USE EFFICIENCY (NUE) IN SOUTH DAKOTA WINTER WHEAT UNDER REGENERATIVE AGRICULTURE MANAGEMENT
11:45 AM	PÉTER KOVÁCS	INVESTIGATING P AND K FERTILIZER APPLICATION TIMING AND MANAGEMENT STRATEGY ON CROP YIELD, AND NUTRIENT UPTAKE

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

1:00 – 2:45 PM PROJECT PRESENTATIONS AND Q&A

1:00 PM	JOHN McMAINE	ENGAGING, EDUCATING, AND EMPOWERING AGRICULTURE THROUGH AN NREC FOCUSED PODCAST SEASON
1:15 PM	JOHN McMAINE	PRECISION CONTROLLED DRAINAGE FOR REDUCING NUTRIENT LOSS THROUGH TILE DRAINAGE AND IMPROVING YIELD
1:30 PM	LIN WEI	APPLICATION OF BIOSOLID-BASED NITROGEN CONTROL RELEASE FERTILIZERS TO IMPROVE NITROGEN USE EFFICIENCY OF CORN PRODUCTION AND SOIL HEALTH IN SOUTH DAKOTA
1:45 PM	THANDIWE NLEYA	IMPACTS OF N FERTILIZER PLACEMENT METHOD AND RATE ON SUNFLOWER GROWTH AND YIELD, FERTILIZER USE EFFICIENCY, AND WEED GROWTH
2:00 PM	CHRISTOPHER GRAHAM	EVALUATING SELECTED SOIL HEALTH INDICES FOR PREDICTING NITROGEN FERTILIZER REQUIREMENT FOR WINTER WHEAT IN WESTERN SOUTH DAKOTA
2:15 PM	CHRISTOPHER GRAHAM	EVALUATING NITROGEN AND CARBON CYCLING IN WHEAT FOLLOWING FIRE
2:30 PM	ALI NAFCHI	DEVELOPMENT OF AN INEXPENSIVE Y-DROP SYSTEM COMBINED WITH A COVER CROP PLANTER TO IMPROVE NITROGEN USE EFFICIENCY WHILE INTER-SEEDING COVER CROPS

2:45 – 3:00 PM BREAK

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