



South Dakota Nutrient Research and Education Council

December 2, 2020

9:30 AM – 3:30 PM

Zoom: <https://sdstate.zoom.us/j/91301684672>

Phone: 346-248-7799 Meeting ID: 913 0168 4672

| 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 |
| RICHARD VASGAARD * | GROWER ORGANIZATION |
| RICHARD JENNY * | CERTIFIED AGRONOMY ASSOCIATION |
| BRUCE HAINES * | FARMER MEMBER OF THE STATE CONSERVATION COMMISSION |
| ROBERT WALSH * | COMMODITY ORGANIZATION |
| BRYAN JORGENSEN | ENVIRONMENTAL ORGANIZATION |
| DANA LOSEKE | 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 | |
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| 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 WELCOME & APPROVAL OF AGENDA – RYAN SCHUCHHARDT

APPROVAL OF MINUTES – COLIN NACHTIGAL

FINANCIAL REPORT – JIM LOKEN AND ANGELA LOFTESNESS

REVIEW AND APPROVAL OF NO-COST EXTENSIONS

REVIEW AND APPROVAL OF FUNDING RENEWALS

10:45 – 11:00 AM BREAK

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

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| 11:00 AM | PÉTER KOVÁCS | INVESTIGATING IMPACT OF STARTER FERTILIZER PLACEMENT ON PLANT DEVELOPMENT, GRAIN YIELD, AND NUTRIENT UPTAKE |
| 11:15 AM | PÉTER KOVÁCS | INVESTIGATING FERTILIZER RESPONSE AND REQUIREMENT IN HIGH PROTEIN SOYBEAN VARIETIES |

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| 11:30 AM | SANDEEP KUMAR | SOIL NUTRIENTS, WATER AVAILABILITY, NITRATE LEACHING, AND CROP YIELD AS AFFECTED BY LONG-TERM DIVERSIFIED CROP ROTATIONS AND TILLAGE SYSTEMS IN SOUTH DAKOTA |
| 11:45 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 |

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

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

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| 1:00 PM | SUSAN CITRAK | SOIL CHARACTERIZATION AND HOW THE CONTENTS AFFECT CROP GROWTH AND WATER QUALITY |
| 1:15 PM | SRINIVAS JANASWAMY | SYNTHETIC NODULES FOR NITROGEN NUTRITION IN CEREAL CROPS |
| 1:30 PM | 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. |
| 1:45 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 |
| 2:00 PM | JASON CLARK | FERTILIZER N RATE RECOMMENDATION UPDATE FOR CORN |

2:15 – 2:30 PM BREAK

2:30 – 3:30 PM EXECUTIVE SESSION – FUNDING RENEWALS, ADDITIONAL BUSINESS, WRAP-UP