

Iowa Nutrient Research & Education Council

Urban Ag Academy
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OUTLINE

- ▶ INREC FORMATION
- ▶ INREC STRUCTURE & FUNDING
- ▶ INREC MISSIONS
- ▶ FUTURE ACTIVITIES

INREC FORMATION HISTORY

- ▶ NUTRIENT REDUCTION STRATEGY, FINALIZED MAY 2013
- ▶ AAI NUTRIENT MANAGEMENT TASK FORCE (FALL 2013)
- ▶ DEFINED AGRIBUSINESS ROLE RELATED TO NUTRIENT STRATEGY
- ▶ DEFINED CRITICAL FOCUS AREAS/MISSIONS
- ▶ FOCUS ON EFFICIENCY AND EFFECTIVENESS
- ▶ RECOMMENDED NEW AFFILIATE ORGANIZATION OF INREC
- ▶ INREC FORMED IN FALL OF 2014

INREC STRUCTURE

- ▶ OVERALL MISSION TO LEAD ENVIRONMENTAL STEWARDSHIP EFFORTS RELATED TO AGRICULTURE IN IOWA
- ▶ STRUCTURED TO BRING TOGETHER:
 - ▶ MAJOR FARM & COMMODITY ORGANIZATIONS
 - ▶ MAJOR FERTILIZER AND CROP PRODUCTION COMPANIES
 - ▶ AGRICULTURAL RETAILERS AND CROP ADVISORS

INREC Board of Directors

Farm and Commodity Directors

- ▶ Agribusiness Association of Iowa, Craig Struve, Midwest Independent Soil Samplers, LLC
- ▶ Iowa Farm Bureau Federation, Craig Hill, President
- ▶ Corn Producers, Mark Mueller, Iowa Corn Growers Association
- ▶ Poultry and Livestock Industry, Dave Struthers, Iowa Pork Producers
- ▶ Iowa Soybean Producer, Patrick Reeg, Iowa Soybean Association

INREC Board of Directors

Agribusiness and Ex-Officio

- ▶ Agronomy Retailer, Dave Coppess, Heartland Coop
- ▶ Certified Crop Advisor, Bruce Baier, Ag Partners LLC
- ▶ Fertilizer Manufacturers/Wholesalers, Paul Poister, Agrium
- ▶ Crop Production Companies, Mark Henson, Monsanto

Ex-Officio:

- ▶ Iowa Secretary of Agriculture, Bill Northey
- ▶ ISU College of Ag & Life Sciences, John Lawrence

INREC MISSIONS

- ▶ ENVIRONMENTAL PROGRESS MEASUREMENT & DEMONSTRATION
- ▶ VALIDATION OF ENVIRONMENTAL PRODUCTS/PRACTICES/SERVICES
- ▶ ENHANCE NRS ENGAGEMENT THROUGH EDUCATION & INFORMATION PROGRAMS WITH AG RETAILERS AND CERTIFIED CROP ADVISORS

Initial Funding Sources

- ▶ Farm and Commodity Groups Unrestricted Funds
- ▶ Restricted Funds for Research and long term projects
- ▶ AgriBusinesses
- ▶ Retailers, CCA's, AAI Membership

PROGRESS MEASUREMENT & DEMONSTRATION

- ▶ PUBLIC/PRIVATE PARTNERSHIP
- ▶ UTILIZE AG RETAILER AND CCA FARMER RECORDS INFO
- ▶ CONFIDENTIAL & SECURE
- ▶ REPRESENTATIVE SAMPLE OF FARMS
- ▶ ACCURATE & CREDIBLE
- ▶ EASY TO USE DATA COLLECTION INTERFACE
- ▶ AGGREGATED RESPONSES
- ▶ NUTRIENT LOSS REDUCTIONS CALCULATED BY ISU

Sample Practices to be Measured

- Variable rate fertilizer applications
- Nitrogen Inhibitor useage
- Cover Crops
- Forage Crop Rotations
- Wetlands
- Buffers
- Drainage Management Alternatives
- Tillage practices

Public / Private Partnership Funding

- 2015 Legislature Provided Funding for Pilot Projects
- Selected Iowa State University as Public Partner
- ISU selected INREC as Private Partner
- Pilot Projects are underway

VALIDATION OF PRODUCTS & PRACTICES

- ▶ INREC FACILITATOR ROLE
- ▶ INCREASE NEUTRAL SCIENCE TESTING TO VALIDATE ENVIRONMENTAL PERFORMANCE AND BENEFITS
- ▶ GOAL TO EXPAND SCIENCE-BASED OPTIONS FOR MEETING WATER QUALITY GOALS

ENHANCE IMPACT OF RETAILERS & CCAS

- ▶ ENHANCE RETAILER AND CCA ROLES AS “CHANGE AGENTS”
- ▶ EQUIP WITH ADDITIONAL TOOLS TO HELP IN ADVISING FARMER DECISIONS REGARDING ENVIRONMENTAL TECHNOLOGIES AND PRACTICES
- ▶ PROGRAMMING DEVELOPMENT
 - ▶ MODULE BASIS FOR COMPANIES AND THEIR BUSINESS UNITS
 - ▶ CENTRAL PROGRAMMING (WORKSHOPS, CONFERENCES)

INREC RESEARCH PROJECTS

- ▶ FARM & COMMODITY GROUPS SUPPORT FOR RESEARCH
- ▶ IDENTIFY AREAS OF MUTUAL INTEREST TO GROUPS AND INREC
- ▶ HELP INVEST IN DEVELOPING NEW TECHNOLOGIES AND PROJECTS THAT ADVANCE NUTRIENT STEWARDSHIP OBJECTIVES
- ▶ EXAMPLE: COVER CROP TECHNOLOGIES FOR USE IN CROPLANDS RECEIVING EARLY FALL MANURE APPLICATIONS



IowaNREC.org

Agriculture. Science. Environment.

THANK YOU!

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