II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$1,540,000  BOARD OF REGENTS, STATE OF IOWA  
95882  Grow Iowa Values Fund FY09

7/1/08 to 6/30/10  RESEARCH  
DAHL, LISA  VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

$1,000,000  DEPARTMENT OF AGRICULTURE, OCE  
96262  Biobased Markets Program

9/15/08 to 9/30/09  EXTENSION/PUBLIC  
DEVLIN, STEVEN  CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT  
CO-PI  COX, RONALD  CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

$843,000  DEPARTMENT OF TRANSPORTATION  
96275  Regional University Transportation Center-Tier 1-Year 2

10/1/06 to 9/30/11  RESEARCH  
MAZE, THOMAS  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR  
CO-PI  HAWKINS, NEAL  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED  
CO-PI  ALBRECHT, CHRISTOPHER  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED  
CO-PI  NAMBISAN, SHASHI  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$800,000  NATIONAL SCIENCE FOUNDATION  
93299  Collaborative Research: Assembling the Tree of Life Phylogenetic Trees for Comparative Biology

10/1/08 to 9/30/11  RESEARCH  
FERNANDEZ-BACA, DAVID  COMPUTER SCIENCE-LAS  
CO-PI  EULENSTEIN, OLIVER  COMPUTER SCIENCE-LAS

$556,762  IOWA DEPARTMENT OF HUMAN SERVICES  
94067  Iowa Food Stamp Nutrition Education Program

10/1/08 to 9/30/09  EXTENSION/PUBLIC  
MARTIN, PEGGY  EXTENSION TO FAMILIES-EXT  
CO-PI  GREVING, JOYCE  EXTENSION TO FAMILIES-EXT
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$501,048 UNITED SOYBEAN BOARD

93886 Agronomic Limitations of Soybean Yield and Seed Quality in the United States

12/31/09 to 12/31/10 RESEARCH
PEDERSEN, PALLE AGRONOMY-CALS

$498,607 DEPARTMENT OF AGRICULTURE, CSREES

92168 Fatty Acids and Inflammation in the Adipose Tissue of a Porcine Obesity Model

8/1/08 to 7/31/11 RESEARCH
SPURLOCK, MICHAEL FOOD SCIENCE & HUMAN NUTRITION
SPURLOCK, DIANE ANIMAL SCIENCE

$410,000 DEPARTMENT OF AGRICULTURE, ARS

96878 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES

$400,000 NATIONAL SCIENCE FOUNDATION

92052 Structural Reorganization of Nuclear Proteins During Mitosis

9/15/08 to 8/31/09 RESEARCH
JOHANSEN, KRISTEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
JOHANSEN, JORGEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY
GIRTON, JACK BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$400,000 FEDERAL AVIATION ADMINISTRATION

92785 Nondestructive Inspection Research of Composite Materials Used on the Commercial Fleet: Infrared Imaging for Defect Detection in Aircraft Structures Using Chaotic and Broadband Sound Excitation

9/22/08 to 3/20/10 RESEARCH
BRASCHE, LISA AIRWORTHINESS ASSURANCE CENTER OF EXCELLENCE-IRPT-VPR/ED

$368,173 DEPARTMENT OF HOMELAND SECURITY AND TECHNOLOGY

93484 Development of United States Capability to Detect and Accurately Identify Threatening Plant Pathogens

9/30/08 to 9/29/09 RESEARCH
NUTTER, FORREST PLANT PATHOLOGY-CALS
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$360,002 UNIVERSITY OF OKLAHOMA

93357 NEESR-SG: Understanding and Improving the Seismic Behavior of Pile Foundations in Soft Clays

10/1/08 to 9/30/12 RESEARCH
SRITHARAN, SIVALINGAM CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$350,000 IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT

95827 FY 2009 Values Fund

7/1/08 to 6/30/10 EXTENSION/PUBLIC
HECKMANN, JAMES SMALL BUSINESS DEVELOPMENT CENTER-BUS

$332,553 DEPARTMENT OF EDUCATION

70919 Student Support Services Program

9/1/08 to 8/31/09 DEPT/ADMIN SUPPORT
KELLOGG, JAPANNAH STUDENT SUPPORT SERVICES

$324,566 NATIONAL SCIENCE FOUNDATION

85139 SEEC: Stem Student Enrollment and Engagement Through Connections

7/15/08 to 6/30/09 INSTRUCTION/TRAINING
ROVER, DIANE ELECTRICAL & COMPUTER ENGINEERING
SHELLEY, MACK STATISTICS
MICKELSON, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING
BRUNING, MONICA ENGINEERING OUTREACH & RECRUITMENT
LAANAN, FRANKIE EDUCATIONAL LEADERSHIP & POLICY STUDIES
JOHNSON, ROBYN EDUCATIONAL LEADERSHIP & POLICY STUDIES

$323,633 NATIONAL INSTITUTES OF HEALTH

81234 Pilot-Scale Heterocyclic and Carbocyclic Libraries for High Throughput Screening

9/1/08 to 8/31/09 RESEARCH
LAROCK, RICHARD CHEMISTRY
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$317,745 UNITED SOYBEAN BOARD

93864 Application of Biotechnology to Control the Soybean Cyst Nematode: SCN Parasitism Genes

10/1/08 to 9/30/09 RESEARCH
BAUM, THOMAS PLANT PATHOLOGY-CALS

$306,736 NATIONAL SCIENCE FOUNDATION

92528 Collaborative Research: A Model for Data-Driven Reform in Chemistry Education

9/15/08 to 2/28/10 RESEARCH
HOLME, THOMAS CHEMISTRY-LAS

$299,200 DEPARTMENT OF AGRICULTURE, APHIS

96393 Development of Guidelines, Web-Based Modules, and Tactical Field Manual for NAHEMS and NAHERC

9/25/08 to 9/24/09 EXTENSION/PUBLIC
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
BROWN, GAYLE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
FLAMING, KEVAN CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
BICKETT-WEDDLE, DANELLE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
DVORAK, GLENDARI CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$268,458 SOUTH DAKOTA STATE UNIVERSITY

87931 Sustainable Cropping Systems for Harvesting Corn Stover for Biomass

1/1/07 to 6/30/12 RESEARCH
MOORE, KENNETH AGRONOMY
LAMKEY, KENDALL AGRONOMY

$258,863 DEPARTMENT OF EDUCATION

96305 Ronald E. McNair Postbaccalaureate Achievement Program

10/1/08 to 9/30/09 INSTRUCTION/TRAINING
JACKSON, GEORGE GRADUATE COLLEGE-PROV
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$252,625 ARCHER DANIELS MIDLAND COMPANY

96503 Phage Display Technology for Small Molecules
   11/1/08 to 12/31/09 RESEARCH
   RAO, ARAGULA
   BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-CALS

$250,841 NATIONAL INSTITUTES OF HEALTH

79202 Modeling Ribosomal Control, Function and Assembly
   9/1/08 to 8/31/09 RESEARCH
   JERNIGAN, ROBERT
   CULVER, GLORIA
   BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY

$242,739 DEPARTMENT OF AGRICULTURE, APHIS

94558 Biological Exposure Assessment and Risk Management: A Rapid Decision Making Tool
   9/29/08 to 9/28/09 RESEARCH
   TRAMPEL, DARRELL
   ROTH, JAMES
   BICKETT-WEDDLE, DANELLE
   BROWN, GAYLE
   VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
   VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
   CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$220,000 NATIONAL INSTITUTES OF HEALTH

96361 A Modular Approach for Combinatorial Biosynthesis of Functionalized Terpenoids
   9/15/08 to 6/30/09 RESEARCH
   PETERS, REUBEN
   BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

$210,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION

96784 Office of Intellectual Property and Technology Transfer Support
   10/15/08 to 6/30/99 RESEARCH
   OKIISHI, THEODORE
   VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED

$200,647 CENTERS FOR DISEASE CONTROL AND PREVENTION

96189 Mode of Action of Nootkatone and Carvacrol
   9/26/08 to 9/25/09 RESEARCH
   COATS, JOEL
   ENTOMOLOGY-CALS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$181,000 CONOCOPHILLIPS COMPANY

92969 Biofuels Research Program (2008)

1/1/08 to 12/31/08 RESEARCH

CO-PI LIEBMANN, MATTHEW AGRONOMY-AES
CO-PI BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES
CO-PI DUFFY, MICHAEL ECONOMICS-AES
CO-PI HEINDEL, THEODORE MECHANICAL ENGINEERING-ENGR
CO-PI NORTON, GLENN CENTER FOR SUSTAINABLE ENVIRONMENTAL TECHNOLOGIES - IPRT-VPR/ED
CO-PI NIKOLAU, BASIL BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES

$177,214 IOWA SOYBEAN ASSOCIATION

94235 Improving Soybean Productivity Through Knowledge on the Biology and Epidemiology of Soilborne Fungal Pathogens and Soybean Rust

10/1/08 to 9/30/09 RESEARCH

LEANDRO, LEONOR PLANT PATHOLOGY-AES

$174,737 DEPARTMENT OF AGRICULTURE, CSREES

93529 International Competitiveness and Marketability of Midwest Agribusiness Products

7/15/08 to 6/14/10 RESEARCH

BABCOCK, BRUCE ECONOMICS-CALS
CLEMENS, ROXANNE CENTER FOR AGRICULTURAL & RURAL DEVELOPMENT-AES

$171,612 DEPARTMENT OF AGRICULTURE, ARS

96880 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH

LAMKEY, KENDALL AGRONOMY-AES

$160,000 CALIFORNIA INSTITUTE OF TECHNOLOGY

73949 IMR - MIP DANSE

6/1/06 to 11/30/08 RESEARCH

USTUNDAG, ERSAN MATERIALS SCIENCE & ENGINEERING
GENALO, LAURENCE MATERIALS SCIENCE & ENGINEERING
SCHMIDT, DENISE CURRICULUM & INSTRUCTION
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$150,000 NATIONAL SCIENCE FOUNDATION

92095 Sex Chromosome Evolution in Turtles

1/1/09 to 12/31/09 RESEARCH

VALENZUELA-CASTRO, MARIA ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY

$149,738 DEPARTMENT OF AGRICULTURE, RURAL DEVELOPMENT

93455 Niche Meat Processor Assistance Network

9/1/08 to 8/31/10 EXTENSION/PUBLIC

FLORA, CORNELIA SOCIOLOGY-CALS

$140,000 IOWA DEPARTMENT OF ELDER AFFAIRS

96558 Evaluation of the Aging and Disability Resource Center

10/1/07 to 9/30/09 RESEARCH

SHELLEY, MACK STATISTICS-LAS

POLUSH, ELENA RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

KEMIS, MARI RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$139,700 DEPARTMENT OF AGRICULTURE, APHIS

95666 Development of the Website, Database and Tracking System for Online Delivery of Educational Materials for the National Veterinary Accreditation Program and the National Animal Health Emergency Response Corps

9/25/08 to 9/24/09 EXTENSION/PUBLIC

ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

FLAMING, KEVAN CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

BICKETT-WEDDLE, DANIELLE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$135,039 DEPARTMENT OF EDUCATION

77895 CCAMPIS: Child Care Access Means Parents in School Program

10/1/08 to 9/30/09 INSTRUCTION/TRAINING

ESPINOZA, CARLA HUMAN RESOURCE SERVICES

GRADEN, JULIA HUMAN RESOURCE SERVICES

$134,936 DEERE AND COMPANY

96437 Phase III: Development Slope Insensitive Cleaning Shoe Control Algorithms

8/1/08 to 9/30/10 RESEARCH

BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
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<td>FOREST PRODUCTS LABORATORY</td>
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<td>Enteric Flora Modulates the Development of Colitis</td>
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<td>HARBOR-UNIVERSITY OF CALIFORNIA AT LOS ANGELES MEDICAL CENTER</td>
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<td>Intrathecal Enzyme Therapy for Mucopolysaccharidosis I</td>
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### CO-PIs
- CO-PI: PHARES, BRENTH
- CO-PI: NAMBISAN, SHASHI
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$94,611 NATIONAL SCIENCE FOUNDATION

REU Site: Research Experience for Undergraduates in Molecular Biotechnology and Genomics

3/15/06 to 2/28/10 INSTRUCTION/TRAINING

ROTHSCILD, MAX ANIMAL SCIENCE

OLIVER, DAVID GENETICS, DEVELOPMENT & CELL BIOLOGY

$92,574 PROPANE EDUCATION AND RESEARCH COUNCIL

A Proposal for Propane Subbase Materials Drying Techniques and Technologies

8/1/08 to 7/31/09 RESEARCH

SCHAEFER, VERNON CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

WILLIAMS, R. CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$91,611 UNILEVER RESEARCH AND DEVELOPMENT


10/1/08 to 8/1/09 RESEARCH

WHITE, WENDY FOOD SCIENCE & HUMAN NUTRITION-HS

$89,635 ARCHER DANIELS MIDLAND RESEARCH

Biological Drying and/or Torrefaction of Corn Stover Bales

9/1/08 to 12/31/09 RESEARCH

BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

BERN, CARL MECHANICAL ENGINEERING-ENGR

BROWN, ROBERT MECHANICAL ENGINEERING-ENGR

$85,864 SOY WORKS CORPORATION

Protein Polymer Product Development

7/1/08 to 5/31/10 RESEARCH

GREWELL, DAVID AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS

KESSLER, MICHAEL MATERIALS SCIENCE & ENGINEERING-ENGR

RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR

GRAVES, WILLIAM HORTICULTURE-CALS

VANAUKEN, HOWARD MANAGEMENT-BUS
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<td><strong>$75,000</strong> FOREST PRODUCTS LABORATORY</td>
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<td>95980 Field Evaluation of Methods to Minimize Transverse Glulam Deck Deflection-Phase II</td>
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$68,750  DEPARTMENT OF AGRICULTURE, CSREES  417-30-02
93500  Iowa Vitality Center
8/1/08  to  7/31/09  EXTENSION/PUBLIC
EDELMAN, MARK  ECONOMICS-EXT

$68,000  UNIVERSITY OF WASHINGTON  404-21-31
84611  Universal Nuclear Energy Density Functional
1/31/08  to  11/30/08  RESEARCH
VARY, JAMES  PHYSICS & ASTRONOMY

$63,000  ROLLS ROYCE, INC  400-25-26
94591  Design of Ultrasonic Disk Inspection: Limit Diagram Program
7/1/08  to  12/31/08  RESEARCH
BRASCHE, LISA  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
GRAY, TIMOTHY  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
GARTON, MICHAEL  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

$60,000  IOWA DEPARTMENT OF TRANSPORTATION  474-17-28
94119  Evaluation of Iowa's Driver Improvement Program
8/1/08  to  7/31/09  RESEARCH
GKRITZA, KONSTANTINA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$60,000  DEPARTMENT OF AGRICULTURE, ARS  419-23-08
96268  Susceptibility of Cattle with the E211K PRNP Allele to BSE
8/14/08  to  7/31/13  RESEARCH
WEST, JAMES  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$59,059  IOWA SOYBEAN ASSOCIATION  450-49-20
95630  Aspects of Integrated Management for Viruses and Phomopsis Infection in Soybean
10/1/08  to  9/30/09  RESEARCH
MUNKVOLD, GARY  PLANT PATHOLOGY-CALS
HILL, JOHN  PLANT PATHOLOGY-CALS
ROBERTSON, ALISON  PLANT PATHOLOGY-CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$59,059 IOWA SOYBEAN ASSOCIATION

Aspects of Integrated Management for Viruses and Phomopsis Infection in Soybean

95630

10/1/08 to 9/30/09 RESEARCH

Co-PI ONEAL, MATTHEW ENTOMOLOGY-CALS

Co-PI PEDERSEN, PALLE AGRONOMY-CALS

$58,568 KANSAS STATE UNIVERSITY

The Biofuels Revolution: Understanding the Social, Cultural and Economic Impacts of Biofuels Development on Rural Communities

87914

9/1/07 to 8/31/09 RESEARCH

BAIN, CARMEN SOCIOLOGY

$58,496 UNIVERSITY OF NORTHERN IOWA

Seamless Transitions Into and Through Science Teacher Education

95710

8/31/08 to 5/31/09 RESEARCH

OLSON, JOANNE CURRICULUM & INSTRUCTION-HS

CLOUGH, MICHAEL CURRICULUM & INSTRUCTION-HS

HUEY, GAYLE HUMAN SCIENCES STUDENT SERVICES-HS

$55,920 MICHIGAN STATE UNIVERSITY

A High Fidelity Model for Numerical Simulations of Complex Combustion and Propulsion Systems

83148

1/4/09 to 1/3/10 RESEARCH

SHIH, TOM AEROSPACE ENGINEERING

DURBIN, PAUL AEROSPACE ENGINEERING

$53,893 DOW AGROSCIENCES, LLC

Plant Resistance to Aphids

96338

1/1/09 to 12/31/09 RESEARCH

BONNING, BRYONY ENTOMOLOGY-CALS

$52,936 IOWA DEPARTMENT OF NATURAL RESOURCES

Methods for Assessing the Physical, Chemical, and Biological Integrity of Iowa's Non-Wadeable Rivers

87409

5/1/07 to 10/1/09 RESEARCH

QUIST, MICHAEL NATURAL RESOURCE ECOLOGY & MANAGEMENT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$52,936  IOWA DEPARTMENT OF NATURAL RESOURCES  
Methods for Assessing the Physical, Chemical, and Biological Integrity of Iowa's Non-Wadeable Rivers  
5/1/07 to 10/1/09  RESEARCH  
CO-PI PIERCE, CLAY  
NATURAL RESOURCE ECOLOGY & MANAGEMENT  

$52,000  DEPARTMENT OF AGRICULTURE, RISK MANAGEMENT AGENCY  
"Annie's Project" National Outreach Center  
10/1/08 to 9/30/09  EXTENSION/PUBLIC  
CO-PI EDWARDS, WILLIAM  
CO-PI HANSEN, RAYMOND  
CO-PI SCHULTZ, MADELINE  
CO-PI EGGER, TIMOTHY  
CO-PI WELLS, JON  
ECONOMICS-EXT  
VALUE ADDED AGRICULTURE-EXT  
VALUE ADDED AGRICULTURE-EXT  
EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT  
EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT  

$50,000  SEARLE FREEDOM TRUST  
Critical Investigation of Reduce, Reuse, and Recycle Policies  
9/1/08 to 12/31/09  RESEARCH  
MIN, KYUNG  
INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR  

$49,999  IOWA DEPARTMENT OF TRANSPORTATION  
Wet Reflective Pavement Marking Demonstration Project  
8/1/08 to 7/31/11  RESEARCH  
SMADI, OMAR  
HAWKINS, NEAL  
NAMBISAN, SHASHI  
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CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED  
CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED  

$49,920  DEERE AND COMPANY  
Immersive Combine Simulator: Moline Application  
9/25/08 to 5/31/09  RESEARCH  
LUECKE, GREG  
MECHANICAL ENGINEERING-ENGR
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$49,915 UNIVERSITY OF NORTHERN IOWA
475-21-01

A Teachers Circle for Central Iowa Middle School Mathematics Teachers

8/1/08 to 6/15/09 INSTRUCTION/TRAINING
JOHNSTON, ELGIN MATHEMATICS-LAS

$49,723 ENVIRONMENTAL PROTECTION AGENCY
429-17-01

Biofuel Feedstock Landscape Coverage and Ecoservice Implications for Various Biofuel Industry Scenarios

10/1/07 to 9/30/09 RESEARCH
CRUSE, RICHARD AGRONOMY-CALS
KLING, CATHERINE ECONOMICS-CALS
ELOBEID, AMANI CENTER FOR AGRICULTURAL & RURAL DEVELOPMENT-AES
TOKGOZ, SIMLA CENTER FOR AGRICULTURAL & RURAL DEVELOPMENT-AES
GASSMAN, PHILIP CENTER FOR AGRICULTURAL & RURAL DEVELOPMENT-AES

$49,336 DEPARTMENT OF AGRICULTURE, CSREES
417-30-03

Special Needs for Iowa Extension Flood and Tornado Response and Recovery 2008

9/1/08 to 8/31/09 EXTENSION/PUBLIC
MILLER, GERALD EXTENSION ADMINISTRATION-EXT
HOLZ-CLAUSE, MARY EXTENSION ADMINISTRATION-EXT
STOUT, JANEANN EXTENSION ADMINISTRATION-EXT

$49,085 UNIVERSITY OF NORTHERN IOWA
400-28-90

The Carmen Sosa Farming Curriculum Project: A Planning Grant Towards Bridging Informal and Formal Math and Science Education to Enhance Talent Expansion and Teacher Performance and Recruitment in Iowa's Demographically-Transitioning Communities

8/1/08 to 5/31/09 RESEARCH
BRUNA, KATHERINE CURRICULUM & INSTRUCTION-HS

$47,940 IOWA SOYBEAN ASSOCIATION
450-49-22

Refining Thresholds for Soybean Aphid Management in Iowa

10/1/08 to 9/30/09 RESEARCH
ONEAL, MATTHEW ENTOMOLOGY-AES
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<td><strong>Improving Mental Health Outcomes of Child Brain Injury</strong></td>
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<td>95673</td>
<td><strong>Development of Techniques for Measuring and Mapping Flow Velocities in Rivers using ADCPs</strong></td>
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<td>$46,401</td>
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<td>53744</td>
<td><strong>Parent-Child Communications and Health-Risk Behavior</strong></td>
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<td>96036</td>
<td><strong>Fundamental Understanding and Improvement of Energetic Reactions of Aluminum Particles with Oxidizers and Metals</strong></td>
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<td>$44,958</td>
<td>9/10/08 to 2/28/10</td>
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<td>96123</td>
<td><strong>Ammonia Emissions of Pullets and Laying Hens as Affected by Stocking Density</strong></td>
<td>IOWA EGG COUNCIL</td>
<td>$43,419</td>
<td>7/1/08 to 6/30/09</td>
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#### Notes
- **MELBY, JANET** HUMAN DEVELOPMENT & FAMILY STUDIES
- **CRUSE, RICHARD** AGRONOMY-CALS
- **MELBY, JANET** HUMAN DEVELOPMENT & FAMILY STUDIES
- **LAMKEY, KENDALL** AGRONOMY-AES
- **LEVITAS, VALERY** MECHANICAL ENGINEERING-ENGR
- **XIN, HONGWEI** AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
- **LI, HONG** AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES
## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>91786</td>
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<td>Ammonia Mitigation by Deep UV Irradiation</td>
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<td>94135</td>
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<td>Effectiveness of Special Deer Management Hunts on Deer-Vehicle Crash Reduction</td>
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<td>96284</td>
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<td>94311</td>
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$36,953  IOWA SOYBEAN ASSOCIATION
94273  Symptom Expression in Sudden Death Syndrome: How Does Fusarium Virguliforme Cause Disease?
10/1/08  to  9/30/09  RESEARCH
LEANDRO, LEONOR  PLANT PATHOLOGY-CALS

$36,634  SYNGENTA CORPORATION
95777  Effect of Feeding Corn Genetically Modified to Contain Amylase on Body Weight Gain, Feed Intake, and Feed Efficiency of Feedlot Cattle
11/1/08  to  5/1/09  RESEARCH
BEITZ, DONALD  ANIMAL SCIENCE-CALS
SCHOONMAKER, JON  ANIMAL SCIENCE-CALS

$35,000  DEERE AND COMPANY
96749  Rapid Machining Center
12/31/07  to  8/30/09  RESEARCH
FRANK, MATTHEW  INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

$34,431  UNIVERSITY OF MARYLAND
90678  FRG: Collaborative Research: Kinetic Description of Multi-Scale Phenomena: Modeling, Theory and Computation
9/1/08  to  8/31/09  RESEARCH
LIU, HAILIANG  MATHEMATICS

$34,020  DEPARTMENT OF AGRICULTURE, CSREES
96074  Bioplastic Container Cropping Systems: Green Technology for the Green Industry
9/1/08  to  8/31/09  RESEARCH
GRAVES, WILLIAM  HORTICULTURE-CALS

$34,000  INVOCON, INC
92666  Detection of Pressure Vessel Breach in Manned Spacecraft Using Leak-Generated, Structure-Borne Noise - Phase II
8/15/08  to  8/13/10  RESEARCH
CHIMENTI, DALE  AEROSPACE ENGINEERING-ENGR
ROBERTS, RONALD  AEROSPACE ENGINEERING-ENGR
HOLLAND, STEPHEN  AEROSPACE ENGINEERING-ENGR
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<td>The Potential of Poultry Manure Fertilizer in Pathogen and Pharmaceutical Contamination of Soil and Water</td>
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<td>Development of a Soybean Aphid Early Warning System to Predict Aphid Outbreaks and Provide Aphid Management Information to Soybean Producers</td>
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$30,000 SCHOOL ADMINISTRATORS OF IOWA

96882 Evaluation of the Iowa Statewide Parental Information and Resource Center

10/1/08 to 9/30/09 RESEARCH

CO-PI KEMIS, MARI

RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$29,860 SCIENCE APPLICATIONS INTERNATIONAL ACADEMY

96698 Safety Data Improvement

9/18/07 to 2/2/09 RESEARCH

CO-PI SOULEYRETTE, REGINALD

CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

NAMBISAN, SHASHI

CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$29,154 NEW MEXICO STATE UNIVERSITY

65106 CREST: Center of Research Excellence in Bioinformatics and Computational Biology

8/1/06 to 7/31/09 RESEARCH

CO-PI ALURU, SRINIVAS

ELECTRICAL & COMPUTER ENGINEERING

$27,795 UNIVERSITY OF IOWA

96364 Development of a Small Animal Model of Vaccination Against Malaria Infection

8/1/08 to 7/31/09 RESEARCH

CO-PI BARTHOLOMAY, LYRIC

ENTOMOLOGY-CALS

$27,021 KANSAS STATE UNIVERSITY

96143 Army/4-H Youth Development Television Public Service Announcements

7/23/08 to 11/14/08 EXTENSION/PUBLIC

CO-PI SETTLE, MARK

EXTENSION COMMUNICATIONS & MARKETING-EXT

$25,926 IOWA DEPARTMENT OF NATURAL RESOURCES

96388 Statewide Manure Management Education

10/1/06 to 9/30/09 EXTENSION/PUBLIC

CO-PI MILLER, GERALD

RIECK-HINZ, ANGELA

AGRONOMY-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$25,000  IOWA EGG COUNCIL

96448  Quantification, Fractionation and Antioxidation Study of Plasmalogens Obtained from PolarLipids of Egg Yolk and Poultry Processing By-Products
7/1/08  to  6/30/09  RESEARCH
WANG, TONG  FOOD SCIENCE & HUMAN NUTRITION-CALS

$25,000  LG ELECTRONICS, USA

96648  Relay Assisted Multi-Dimensional Incremental Redundancy
10/15/08  to  4/15/09  RESEARCH
KIM, SANG  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$24,878  IOWA DEPARTMENT OF NATURAL RESOURCES

96542  Urban Forestry Program
10/1/08  to  9/30/09  EXTENSION/PUBLIC
RANDALL, JESSE  NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT
CO-PI ILES, JEFFERY  HORTICULTURE-CALS

$24,389  UNIVERSITY OF NORTHERN IOWA

95678  RAISE and RET: A Collaboration on How Research Based Professional Development Internships Influence STEM Learning
7/1/08  to  5/10/09  INSTRUCTION/TRAINING
LESEM-ACKERMAN, ADAH  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$24,360  ARMY CORPS OF ENGINEERS

92879  Water Quality Study, Saylorville Reservoir
9/1/08  to  12/31/08  RESEARCH
LUTZ, DONNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI ONG, SAY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$23,444  AMERICAN EGG BOARD

96692  Egg Lecithin and Egg Protein: A Dietary Strategy to Reduce Cardiovascular Disease Risk
2/1/08  to  1/31/09  RESEARCH
SCHALINSKE, KEVIN  FOOD SCIENCE & HUMAN NUTRITION-AES
CO-PI WANG, TONG  FOOD SCIENCE & HUMAN NUTRITION-AES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$22,914  DEPARTMENT OF AGRICULTURE, ARS

96874  Research Support Agreement

10/1/08 to 9/30/09  RESEARCH
LAMKEY, KENDALL  AGRONOMY-AES

$43,935  ARMY CORPS OF ENGINEERS

92879  Water Quality Study, Saylorville Reservoir

1/1/08 to 2/28/08  RESEARCH
LUTZ, DONNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI
LUTZ, DONNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI

$20,000  IOWA DEPARTMENT OF EDUCATION

93819  University Teacher Education

8/1/08 to 9/1/09  EXTENSION/PUBLIC
WHALEY, DAVID  CURRICULUM & INSTRUCTION-HS

$20,000  IOWA BEEF BREEDS COUNCIL

94440  Use of Mycobacterium Avium SS Paratuberculosis PPDs in Diagnostic Tests for Detecting Cattle with Johnes Disease

5/19/08 to 5/19/09  RESEARCH
THOEN, CHARLES  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$20,000  CREATIVE COMPOSITES

96249  Protein Polymer Product Development

7/1/08 to 5/31/10  RESEARCH
GREWELL, DAVID  AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS
CO-PI
KESSLER, MICHAEL  MATERIALS SCIENCE & ENGINEERING-ENGR
CO-PI
RAJAN, KRISHNA  MATERIALS SCIENCE & ENGINEERING-ENGR
CO-PI
GRAVES, WILLIAM  HORTICULTURE-CALS
CO-PI
VANAUKEN, HOWARD  MANAGEMENT-BUS
CO-PI
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$20,000 SEMICONDUCTOR RESEARCH CORPORATION

96435 Plasma Equipment and Process Modeling
11/1/05 to 1/31/09 RESEARCH
KUSHNER, MARK ELECTRICAL & COMPUTER ENGINEERING-ENGR

$20,000 DEPARTMENT OF AGRICULTURE, ARS

96524 Identification of the Research Information Needs for Swine Research in the Areas of Nutrition and Manure Management
9/29/08 to 9/30/09 EXTENSION/PUBLIC
MEISINGER, DAVID U.S. PORK CENTER OF EXCELLENCE-AES

$20,000 AMERICAN INSTITUTE OF MATHEMATICS

96646 Contract Between American Institute of Mathematics and Iowa State University
10/1/07 to 9/30/09 MISCELLANEOUS
HOGBEN, LESLIE MATHEMATICS-LAS

$19,975 IOWA DEPARTMENT OF NATURAL RESOURCES

95693 Lake Macbride Phosphorus Monitoring
5/1/08 to 6/30/09 RESEARCH
SIMPKINS, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$19,000 SOUTHERN ILLINOIS UNIVERSITY

94075 Managing Frogeye Leaf Spot and Charcoal Rot in the North Central Region
3/1/08 to 2/28/09 RESEARCH
YANG, XIAO PLANT PATHOLOGY-CALS

$17,800 AMVAC CHEMICAL CORPORATION

94380 Corn Insect Research
6/18/08 to 6/17/10 RESEARCH
GASSMANN, AARON ENTOMOLOGY-AES
WEBER, PATRICK ENTOMOLOGY-AES

CO-PI WEBER, PATRIC
October 01 - 31, 2008

I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$17,737 GOVERNORS TRAFFIC SAFETY BUREAU 478-12-05
96485 Governors Traffic Safety Bureau: Highway Safety
10/1/08 to 9/30/09 EXTENSION/PUBLIC
STEWART, JERRY DEPARTMENT OF PUBLIC SAFETY-VPBF

$17,657 ARMY CORPS OF ENGINEERS 421-20-31
92639 Water Quality Study, Red Rock Reservoir
1/1/09 to 2/28/09 RESEARCH
LUTZ, DONNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SAY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$17,647 WAUKEE COMMUNITY SCHOOL DISTRICT 400-28-37
96326 Technology Leadership and Integration Assistance, Waukee Community School District
9/1/08 to 8/31/09 RESEARCH
MCLEOD, SCOTT EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS

$17,647 SCHOOL ADMINISTRATORS OF IOWA 400-28-29
96327 Technology Leadership and Information Dissemination Training, SAI
9/1/08 to 8/31/09 INSTRUCTION/TRAINING
MCLEOD, SCOTT EDUCATIONAL LEADERSHIP & POLICY STUDIES-HS

$16,200 IOWA DEPARTMENT OF HUMAN SERVICES 470-28-20
96616 Child Support Training BOC-07-021 Fifth Amendment
7/1/08 to 6/30/09 EXTENSION/PUBLIC
LEMPERS, JACOBUS HUMAN DEVELOPMENT & FAMILY STUDIES-HS

$16,000 AGILTRON, INC 404-25-15
94300 Design of Novel Wide Band Infrared Imager
10/17/08 to 4/16/09 RESEARCH
BISWAS, RANA MICROELECTRONICS RESEARCH CENTER - IPRT-VPR/ED
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**$15,073**  ARMY CORPS OF ENGINEERS  
Water Quality Study, Saylorville Reservoir  
8/1/08 to 8/31/08  RESEARCH  
LUTZ, DONNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR  
ONG, SAY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR  
$15,000  NATIONAL SECURITY AGENCY  
Modular Forms for Noncongruence Subgroups  
4/22/08 to 4/21/10  RESEARCH  
LONG, LING  MATHEMATICS  
$15,000  NATIONAL SECURITY AGENCY  
HOPF Algebras, Quasi-HOPF Algebras and Invariants of Tensor Categories  
4/22/08 to 4/21/10  RESEARCH  
NG, SIU  MATHEMATICS  
$15,000  KANSAS STATE UNIVERSITY  
Powered Industrial Vehicle Training for the Hard-To-Reach Small Businesses-Forklift Safety Training  
9/30/07 to 9/30/09  EXTENSION/PUBLIC  
MINNER, DAVID  HORTICULTURE-AES  
$14,999  NATIONAL SECURITY AGENCY  
Extremal Graph Theory and Applications in Computer Science  
4/29/08 to 4/29/10  RESEARCH  
MARTIN, RYAN  MATHEMATICS  
$14,960  DEPARTMENT OF AGRICULTURE, ARS  
Research Support Agreement  
10/1/08 to 9/30/09  RESEARCH  
LAMKEY, KENDALL  AGRONOMY-AES
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## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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**Development of a National Air Quality Self Assessment Tool for Livestock Producers—Year 2**

The proposal includes the following activities:

1. **Survey Development**: Design and implementation of a survey tool that livestock producers can use to assess their air quality management practices.
2. **Tool Development**: Development of a user-friendly tool that can be easily accessed and used by livestock producers.
3. **Data Collection**: Collection of data from livestock producers who use the tool.
4. **Analysis**: Analysis of the collected data to identify patterns and areas for improvement.
5. **Report Preparation**: Preparation of a report summarizing the findings and recommendations for improving air quality management.

**Research Support Agreement**

- **Institution**: DEPARTMENT OF AGRICULTURE, ARS
- **Principal Investigator**: ANDREASEN, CLAIRE
- **Amount**: $12,000
- **Dates**: 10/1/08 to 9/30/09
- **Description**: Research Support Agreement for veterinary pathology research.

- **Institution**: ARMY CORPS OF ENGINEERS
- **Principal Investigator**: LUTZ, DONNA, ONG, SAY
- **Amount**: $11,972
- **Dates**: 8/1/08 to 12/31/08
- **Description**: Water Quality Study, Red Rock Reservoir.

- **Institution**: DEPARTMENT OF AGRICULTURE, ARS
- **Principal Investigator**: LAMKEY, KENDALL
- **Amount**: $10,000
- **Dates**: 10/1/08 to 9/30/09
- **Description**: Research Support Agreement for agronomy research.

- **Institution**: DEPARTMENT OF AGRICULTURE, ARS
- **Principal Investigator**: LAMKEY, KENDALL
- **Amount**: $10,000
- **Dates**: 10/1/08 to 9/30/09
- **Description**: Research Support Agreement for agronomy research.

- **Institution**: DEPARTMENT OF AGRICULTURE, ARS
- **Principal Investigator**: LAMKEY, KENDALL
- **Amount**: $10,000
- **Dates**: 10/1/08 to 9/30/09
- **Description**: Research Support Agreement for agronomy research.

- **Institution**: IOWA PORK PRODUCERS ASSOCIATION
- **Principal Investigator**: HARMON, JAY, RIECK-HINZ, ANGELA, ARORA, KAPIL, STENDER, DAVID, KOHL, KRIS
- **Amount**: $9,998
- **Dates**: 9/20/07 to 9/30/10
- **Description**: Development of a National Air Quality Self Assessment Tool for Livestock Producers—Year 2.
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

- **$9,998** IOWA PORK PRODUCERS ASSOCIATION
  - Development of a National Air Quality Self Assessment Tool for Livestock Producers–Year 2
  - 9/20/07 to 9/30/10
  - CO-PI: SHOUSE, SHAWN
  - EXTENSION AREA - SOUTHWEST-EXT

- **$9,720** DEPARTMENT OF AGRICULTURE, ARS
  - Research Support Agreement
  - 10/1/08 to 9/30/09
  - LAMKEY, KENDALL
  - AGRONOMY-AES

- **$9,678** ARMY CORPS OF ENGINEERS
  - Water Quality Study, Red Rock Reservoir
  - 8/1/08 to 8/31/08
  - LUTZ, DONNA
  - CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

- **$9,047** IOWA DEPARTMENT OF TRANSPORTATION
  - Best Practices Safety Guide for Local Rural Agencies
  - 8/18/08 to 12/31/08
  - MCDONALD, THOMAS
  - NAMBIAN, SHASHI
  - CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

- **$8,610** PRACTICAL FARMERS OF IOWA
  - Bringing the Farm to the Farmer: Niche Pork Remote Learning Groups
  - 6/1/08 to 5/31/09
  - STENDER, DAVID
  - EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT

- **$8,000** DEPARTMENT OF AGRICULTURE, ARS
  - Research Support Agreement
  - 10/1/08 to 9/30/09
  - LAMKEY, KENDALL
  - AGRONOMY-AES
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$7,500 SYNGENTA
Corn Insect Research
4/1/08 to 4/1/09 RESEARCH
GASSMANN, AARON
WEBER, PATRICK
ENTOMOLOGY-AES

$6,445 RAY C BLISS ENDOWMENT
The Christian Right in the 2008 Elections
8/20/08 to 12/19/08 RESEARCH
CONGER, KIMBERLY
POLITICAL SCIENCE-LAS

$5,962 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/08 to 9/30/09 RESEARCH
ANDREASEN, CLAIRE
VETERINARY PATHOLOGY-VET

$5,328 NATIONAL SCIENCE FOUNDATION
IPA for Program Director at NSF
7/1/08 to 11/5/08 MISCELLANEOUS
VANCE, JUDY
MECHANICAL ENGINEERING

$4,988 IOWA DEPARTMENT OF TRANSPORTATION
Cars Location Database Update and Validation
10/1/07 to 6/30/09 RESEARCH
HANS, ZACHARY
NAMBISSAN, SHASHI
CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$4,978 DEPARTMENT OF EDUCATION
National K-12 Foreign Language Resource Center
8/15/08 to 8/14/09 INSTRUCTION/TRAINING
ROSENBUSCH, MARCIA
CURRICULUM & INSTRUCTION
October 01 - 31, 2008

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$4,860 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/08 to 9/30/09 RESEARCH
NOLAN, LISA
VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$4,500 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/08 to 9/30/09 RESEARCH
LAMKEY, KENDALL
AGRONOMY-AES

$4,475 DEPARTMENT OF AGRICULTURE, ARS
Plant Exploration in the Southeastern United States to Collect Sunflower Germplasm for Crop Improvement
9/6/07 to 8/21/09 MISCELLANEOUS
LAMKEY, KENDALL
AGRONOMY-CALS
MAREK, LAURA
AGRONOMY-CALS

$3,990 ARMY CORPS OF ENGINEERS
Water Quality Study, Red Rock Reservoir
7/1/08 to 7/31/08 RESEARCH
LUTZ, DONNA
CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
ONG, SA
CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$3,250 IOWA PORK PRODUCERS ASSOCIATION
Willingness to Pay for Pork with Increased Level of Intramuscular Fat
10/1/08 to 9/30/09 RESEARCH
KLIBENSTEIN, JAMES
ECONOMICS-CALS

$3,000 IOWA DEPARTMENT OF PUBLIC HEALTH
Evaluation MOU-2009-ISU-NU01
10/1/08 to 9/30/09 RESEARCH
SHELLEY, MACK
STATISTICS-LAS
October 01 - 31, 2008

I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$2,500 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/08 to 9/30/09 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES

$2,328 WEBSTER COUNTY ENGINEER
Phase 1 Archaeological Survey for Three Bridge Replacements in Webster County
9/22/08 to 12/31/08 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS

$2,257 MARSHALL COUNTY ENGINEER
Phase 1 Archaeological Surveys in Marshall County
10/6/08 to 12/31/08 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS

$2,160 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/08 to 9/30/09 RESEARCH
ANDREASEN, CLAIRE VETERINARY PATHOLOGY-VET

$2,151 IOWA STATE UNIVERSITY RESEARCH FOUNDATION
ISURF Royalties
10/1/96 to 12/31/99 RESEARCH
HOGBERG, MAYNARD ANIMAL SCIENCE

$1,804 MAHASKA RURAL WATER ASSOCIATION
Phase 1 Archaeological Survey for Waste Water Improvements in Marion County
4/16/08 to 6/30/08 EXTENSION/PUBLIC
HILL, MATTHEW ANTHROPOLOGY-LAS
## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

### October 01 - 31, 2008

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