October 01 - 31, 2009

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$2,310,076  DEPARTMENT OF ENERGY  401-25-01
93016  Operating and Management Support for the Ames Laboratory

11/1/08  to  9/30/09  RESEARCH
KING, ALEXANDER  AMES LABORATORY

$1,595,000  DEPARTMENT OF THE ARMY  421-25-06
104143  Advanced Live, Virtual, and Constructive Training Systems

10/28/09  to  9/30/10  RESEARCH
GILBERT, STEPHEN  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED
OLIVER, JAMES  MECHANICAL ENGINEERING-ENGR
WINER, ELIOT  MECHANICAL ENGINEERING-ENGR
STOYTCHEV, ALEXANDER  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$926,700  DEPARTMENT OF TRANSPORTATION  436-77-10
104551  Regional University Transportation Center-Tier I-Year 3

10/1/09  to  9/30/11  RESEARCH
HALLMARK, SHAUNA  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED
SOULEYRETTE, REGINALD  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$926,551  IOWA DEPARTMENT OF TRANSPORTATION  474-30-16
99516  Work Order Number 2: Community Transportation Enhancement Planning 2009-2011

7/15/09  to  6/30/11  EXTENSION/PUBLIC
BADENHOPE, JULIA  LANDSCAPE ARCHITECTURE-DSN
BORICH, TIMOTHY  COMMUNITY & REGIONAL PLANNING-DSN
KELLER, J.  LANDSCAPE ARCHITECTURE-DSN

$864,998  DEPARTMENT OF EDUCATION  432-57-70
105118  PELL Grant, FY10

7/1/09  to  6/30/10  STUDENT FINANCIAL AID
JOHNSON, Roberta  STUDENT FINANCIAL AID-VPSA
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$651,575  IOWA DEPARTMENT OF HUMAN SERVICES

Iowa Food Assistance Nutrition Education Program

10/1/09  to  9/30/10  EXTENSION/PUBLIC
MARTIN, PEGGY  EXTENSION TO FAMILIES-EXT
GREVING, JOYCE  EXTENSION TO FAMILIES-EXT

$567,413  IOWA STATE UNIVERSITY RESEARCH FOUNDATION

FY09 ISURF Royalties

7/1/09  to  12/31/99  RESEARCH
WINTERSTEEN, WENDY  AGRICULTURE ADMINISTRATION-AES/CALS

$516,388  UNITED SOYBEAN BOARD

Agronomic Limitations of Soybean Yield and Seed Quality in United States

12/31/10  to  12/31/11  RESEARCH
PEDERSEN, PALLE  AGRONOMY-AES/CALS

$475,015  IOWA COMMISSION ON VOLUNTEER SERVICE

Reach Out Iowa's Learn and Serve Iowa Communities Network

9/1/09  to  8/31/12  EXTENSION/PUBLIC
BROSHAR, DONNIE  EXTENSION 4-H YOUTH DEVELOPMENT-EXT
MORRIS, JOHN  EXTENSION 4-H YOUTH DEVELOPMENT-EXT
PETERSON, MARC  EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$467,500  MISSOURI DEPARTMENT OF TRANSPORTATION

Performance of Recycled Asphalt Shingles in Hot Mix Asphalt Transportation Pooled Fund #1208

10/1/09  to  10/31/11  RESEARCH
WILLIAMS, R  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI  CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$448,921  IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

Iowa Learning Farms 2010

1/1/10  to  12/31/10  EXTENSION/PUBLIC
DEWITT, JERALD  AGRONOMY-EXT
AL-KAISI, MAHDI  AGRONOMY-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$448,921 IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

105312 Iowa Learning Farms 2010

1/1/10 to 12/31/10 EXTENSION/PUBLIC

CO-PI
DUFFY, MICHAEL ECONOMICS-EXT
HELMERS, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT
HANNA, H. AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT
LASLEY, ROBERT SOCIOLOGY-EXT

$443,000 MADDIES FUND

97946 Biologic Risk Management Tools for Animal Shelters

7/1/09 to 8/31/10 EXTENSION/PUBLIC

CO-PI
PETERSEN, CHRISTINE VETERINARY PATHOLOGY-VET
Baldwin, Claudia VETERINARY CLINICAL SCIENCES-VET
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
BICKETT-WEDDLE, DANIELLE CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
DVORAK, GLENDA CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
FLAMING, KEVAN CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET
EIA, CHERYL CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$394,000 UNITED SOYBEAN BOARD

93688 Development of Maturity I-IV Varieties for the Better Bean Initiative

10/1/09 to 9/30/11 RESEARCH
FEHR, WALTER AGRONOMY-AES

$380,000 DEPARTMENT OF AGRICULTURE, APHIS

104797 Manage a National Meeting on Animal Emergency Management and Provide Administrative and Logistical Support for Best Practice Working Groups

9/30/09 to 9/29/10 MISCELLANEOUS
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
EIA, CHERYL CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

$356,480 DEPARTMENT OF AGRICULTURE, ARS

105570 Research Support Agreement

10/1/09 to 9/30/10 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

#### Student Support Services Program

- **Funding Agency:** DEPARTMENT OF EDUCATION
- **Funding:** $353,203
- **Project Title:** Student Support Services Program
- **Start Date:** 9/1/09
- **End Date:** 8/31/10
- **Recipient:** KELLOGG, JANNAH
- **Department:** STUDENT SUPPORT SERVICES

#### Solid-State NMR of Influenza M2 Protein in Lipid Bilayers

- **Funding Agency:** NATIONAL INSTITUTES OF HEALTH
- **Funding:** $338,754
- **Project Title:** Solid-State NMR of Influenza M2 Protein in Lipid Bilayers
- **Start Date:** 9/30/09
- **End Date:** 8/31/10
- **Recipient:** HONG, MEI
- **Department:** CHEMISTRY-LAS

#### Iowa Center for Industrial Research and Service

- **Funding Agency:** DEPARTMENT OF COMMERCE
- **Funding:** $312,839
- **Project Title:** Iowa Center for Industrial Research and Service
- **Start Date:** 10/1/09
- **End Date:** 11/30/09
- **Recipient:** COX, RONALD
- **Department:** CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

#### Targeted Watershed Project

- **Funding Agency:** IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP
- **Funding:** $303,915
- **Project Title:** Targeted Watershed Project
- **Start Date:** 10/1/09
- **End Date:** 9/30/10
- **CO-PI:** CRUMPTON, WILLIAM
- **Department:** ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS
- **CO-PI:** HELMERS, MATTHEW
- **Department:** AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

#### Application of New Genetic and Genomic Resources to the Improved Control of Soybean Sudden Death Syndrome (SDS)

- **Funding Agency:** UNITED SOYBEAN BOARD
- **Funding:** $302,261
- **Project Title:** Application of New Genetic and Genomic Resources to the Improved Control of Soybean Sudden Death Syndrome (SDS)
- **Start Date:** 10/1/09
- **End Date:** 9/30/11
- **CO-PI:** CIANZIO, SILVIA
- **Department:** AGRONOMY-AES/CALS
- **CO-PI:** BHATTACHARYYA, MADAN
- **Department:** AGRONOMY-AES/CALS

#### Iowa State University Book Store Textbook Rental Initiative

- **Funding Agency:** DEPARTMENT OF EDUCATION
- **Funding:** $300,000
- **Project Title:** Iowa State University Book Store Textbook Rental Initiative
- **Start Date:** 10/1/09
- **End Date:** 9/30/11
- **Recipient:** PHILLIPS, RITA
- **Department:** VICE PRESIDENT FOR BUSINESS & FINANCE-VPBF
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

October 01 - 31, 2009

**$299,986** DEPARTMENT OF EDUCATION

104498 Hybrid Distance Education Training System for the Pork Production Industry

1/1/10 to 12/31/11 INSTRUCTION/TRAINING
MEISINGER, DAVID AGRICULTURE ADMINISTRATION-AES/CALS

**$289,351** NATIONAL INSTITUTES OF HEALTH

98456 Methods for Automated Syntheses of Oligosaccharides and Lectin Tags

9/30/09 to 8/31/10 RESEARCH
POHL, NICOLA CHEMISTRY-LAS
PETERSEN, CHRISTINE VETERINARY PATHOLOGY-VET

**$272,000** UNITED SOYBEAN BOARD

99230 Application of Biotechnology to Control of the Soybean Cyst Nematode: SCN Parasitism Genes

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

**$259,600** DEPARTMENT OF AGRICULTURE, APHIS

104513 Development of Animal Emergency Management Introductory Course Materials

9/30/09 to 9/29/10 EXTENSION/PUBLIC
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
EIA, CHERYL CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

**$255,655** DEPARTMENT OF AGRICULTURE, ARS

105571 Research Support Agreement

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

**$250,000** DEPARTMENT OF AGRICULTURE, APHIS

104702 Translation and Delivery of the Emerging and Exotic Diseases of Animal Web-Based Course for Use in the Americas

4/1/09 to 3/31/11 INSTRUCTION/TRAINING
ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
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<td>DEPARTMENT OF AGRICULTURE, APHIS</td>
<td>$247,198</td>
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<td>SYNGENTA SEEDS, INC</td>
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<td>IOWA SOYBEAN ASSOCIATION</td>
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<td>IOWA SOYBEAN ASSOCIATION</td>
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<td>104629</td>
<td>DEPARTMENT OF AGRICULTURE, NRCS</td>
<td>$193,239</td>
<td>Environmental Credit and Greenhouse Gas Emission Reporting: A Tutorial (9/3/09 to 12/31/10)</td>
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</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$191,646 OKLAHOMA STATE UNIVERSITY
10/1/09 to 9/30/12 RESEARCH
GREENBOWE, THOMAS CHEMISTRY-LAS
Before, During and After Class Learning Cycle Activities in Chemistry

$180,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION
7/1/09 to 6/30/10 RESEARCH
QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED
Office of Intellectual Property and Technology Transfer Support

$165,090 DEPARTMENT OF AGRICULTURE, ARS
10/1/09 to 9/30/10 RESEARCH
HOGBERG, MAYNARD ANIMAL SCIENCE-AES/CALS
Research Support Agreement

$155,000 DEPARTMENT OF ENERGY
8/15/09 to 8/14/10 RESEARCH
HAUPTMAN, JOHN PHYSICS & ASTRONOMY-LAS
Development of the Fourth Concept Detector

$143,841 MICHIGAN STATE UNIVERSITY
4/1/08 to 9/30/10 RESEARCH
MAZUR, ROBERT SOCIOLOGY-LAS
WESTGATE, MARK AGRONYMOGY-AES/CALS
JENSEN, HELEN ECONOMICS-AES/CALS
HENDRICH, SUZANNE FOOD SCIENCE & HUMAN NUTRITION-HS
REDDY, MANJU FOOD SCIENCE & HUMAN NUTRITION-HS
MURPHY, PATRICIA FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
Enhancing Nutritional Value and Marketability of Beans Through Research and Strengthening Key Value Chain Stakeholders in Uganda and Rwanda

$142,560 GOVERNORS TRAFFIC SAFETY BUREAU
10/1/09 to 9/30/10 RESEARCH
SOULEYRETTE, REGINALD CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
Iowa Traffic Safety Data Service

$140,000 UNIV. OF MICHIGAN
10/1/09 to 9/30/10 RESEARCH
DUBOIS, CHRISTIAN ANIMAL SCIENCE-AES/CALS
Development of Novel Sensors for Measuring Specific Trace Gases

$130,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION
10/1/09 to 9/30/10 RESEARCH
QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED
Office of Intellectual Property and Technology Transfer Support

$128,200 IOWA STATE UNIVERSITY RESEARCH FOUNDATION
10/1/09 to 9/30/10 RESEARCH
QUISENBERRY, SHARRON VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED
Office of Intellectual Property and Technology Transfer Support
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$142,560 GOVERNORS TRAFFIC SAFETY BUREAU

105079 Iowa Traffic Safety Data Service

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

CO-PI HANS, ZACHARY INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBIKAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$138,105 DEPARTMENT OF AGRICULTURE, CSREES

97939 Veterinary Equine Diagnostic Skills Course

9/1/09 to 8/31/12 INSTRUCTION/TRAINING

CO-PI CHRISTENSEN, BRUCE VETERINARY CLINICAL SCIENCES-VET
CO-PI DANIELSON, JARED VETERINARY PATHOLOGY-VET
CO-PI WONG, DAVID VETERINARY CLINICAL SCIENCES-VET
CO-PI MCCLURE, SCOTT VETERINARY CLINICAL SCIENCES-VET
CO-PI RIEDESEL, ELIZABETH VETERINARY CLINICAL SCIENCES-VET
CO-PI WHITLEY, DAVID VETERINARY CLINICAL SCIENCES-VET

$130,000 MECHDYNE

104355 Device Interaction Study for Google Earth for Command and Control Operations

7/1/09 to 8/31/10 RESEARCH

CO-PI WINER, ELIOT MECHANICAL ENGINEERING-ENGR
CO-PI GILBERT, STEPHEN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

$115,252 IOWA SOYBEAN ASSOCIATION

99629 Optimizing Pest Management in Soybean

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

CO-PI ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS
CO-PI ONEAL, MATTHEW ENTOMOLOGY-AES/CALS
CO-PI LEANDRO, LEONOR PLANT PATHOLOGY-AES/CALS
CO-PI PEDERSEN, PALLE AGRONOMY-AES/CALS
CO-PI MUELLER, DAREN PLANT PATHOLOGY-AES/CALS
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$115,000 DEPARTMENT OF EDUCATION

105114 Academic Competitiveness Grant (ACG), FY10

7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$112,969 UNIVERSITY OF MICHIGAN

93924 Improved Representation of Diurnal Precipitation Patterns in the NASA GEOS-5 General Circulation Model

5/5/09 to 5/4/10 RESEARCH
ARRITT, RAYMOND AGRONOMY-CALS

$104,161 INNOVATIVE SCIENTIFIC SOLUTIONS, INC

91780 Ballistic Imaging for Dense Spray Diagnostics in Harsh Chemically Reacting Environments

11/15/08 to 11/14/09 RESEARCH
MEYER, TERRENCE MECHANICAL ENGINEERING

$102,347 IOWA SOYBEAN ASSOCIATION

99579 Determining the Impact of Multiple Pests on Soybean Yield and Grain Composition

10/1/09 to 9/30/10 RESEARCH
MACINTOSH, GUSTAVO BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS
ONEAL, MATTHEW ENTOMOLOGY-AES/CALS
TYLKA, GREGORY PLANT PATHOLOGY-AES/CALS
PEDERSEN, PALLE AGRONOMY-AES/CALS

$100,000 UNIVERSITY OF MARYLAND

97482 Empirical Search for New Superconductors

8/1/09 to 7/31/12 RESEARCH
CANFIELD, PAUL PHYSICS & ASTRonomy-LAS

$100,000 KANSAS STATE UNIVERSITY

99284 Iowa Operation Military Kids

10/1/09 to 9/30/10 EXTENSION/PUBLIC
MORRIS, JOHN EXTENSION 4-H YOUTH DEVELOPMENT-EXT
GLEASON, CHRIS EXTENSION 4-H YOUTH DEVELOPMENT-EXT
November 01 - 30, 2009

I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$97,276 SMALL BUSINESS ADMINISTRATION

104486 Iowa Small Business Development Centers Assisting Small Businesses Affected by Natural Disasters in 2008

10/1/09 to 9/30/12 EXTENSION/PUBLIC
HECKMANN, JAMES SMALL BUSINESS DEVELOPMENT CENTER-BUS

$89,908 DEPARTMENT OF AGRICULTURE, ARS

105569 Research Support Agreement

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

$87,420 NATIONAL PORK BOARD

99080 The Efficacy of Sow Vaccination (Commercial PCV2 Vaccines and an Experimental Live PCV1-2 Product) in Preventing PCV2 Intrauterine Transmission
12/1/09 to 12/1/10 RESEARCH
OPIESSIONG, TANJA VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI HALBURY, PATRICK VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$81,763 AMERICAN METEOROLOGICAL SOCIETY

105112 Further Editorial Assistant Support for Gallus and Gutowski Editorships

1/1/07 to 3/31/12 MISCELLANEOUS
GUTOWSKY, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
CO-PI GALLUS, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$78,801 CONOCOPHILLIPS

105032 Nonlinear Aspects of Radiation from Vibroseis Sources

11/1/09 to 7/31/10 RESEARCH
BERESNEV, IGOR GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

$78,000 DEPARTMENT OF EDUCATION

105116 National Science and Mathematics Access to Retain Talent (SMART) Grant, FY10

7/1/09 to 6/30/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA VICE PRESIDENT FOR STUDENT AFFAIRS-VPSA
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$74,104  AKC CANINE HEALTH FOUNDATION

99014  Whole Genome Association Analyses for Cryptorchidism in Dogs

1/1/10 to 12/31/10  RESEARCH

ROTHSCHILD, MAX  ANIMAL SCIENCE-AES/CALS

$64,555  AMERICAN OIL CHEMISTS SOCIETY

104081  Uniformity in Near Infrared Measurements of Soybean Quality Traits, Year 7

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

HURBURGH, CHARLES  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$63,471  UNIVERSITY OF CALIFORNIA-SAN DIEGO

97755  TRPGR: Discovery, Revision, and Validation of Maize Genes by Proteogenomics

9/15/09 to 8/31/10  RESEARCH

RODERMEL, STEVEN  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

$61,880  NATIONAL PORK BOARD

99108  On-Farm Validation of Captive Bolt Technology as a Single Stage Euthanasia Method

10/1/09 to 10/1/10  RESEARCH

MILLMAN, SUZANNE  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

SCHWARTZ, KENT  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

BROOKS, RAYMOND  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$61,094  WEST CENTRAL COOPERATIVE

97459  Dissolution of Novel Plastics in Biodiesel

1/1/09 to 10/31/09  RESEARCH

NARASIMHAN, BALAJI  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

MALLAPRAGADA, S.  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$60,782  KANSAS STATE UNIVERSITY

87914  The Biofuels Revolution: Understanding the Social, Cultural and Economic Impacts of Biofuels Development on Rural Communities

9/1/07 to 8/31/10  RESEARCH

BAIN, CARMEN  SOCIOLOGY
### I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**October 01 - 31, 2009**

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<td>Coordinator for Health Care Coverage Commission</td>
<td>Athey, Rochelle</td>
<td>Iowa Legislative Services Agency</td>
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<td>99083</td>
<td>Comparison of PCV2 Vaccine Efficacy in 5 and 21 Day Old Piglets</td>
<td>Oppriessnig, Tanja, Baker, Rodney</td>
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<td>105516</td>
<td>Research Support Agreement</td>
<td>Lamkey, Kendall</td>
<td>Department of Agriculture, ARS</td>
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<td>99840</td>
<td>High-Accuracy Protein Models Derived from Lower Resolution Data Supplement</td>
<td>Kloczkowski, Andrzej, Jernigan, Robert</td>
<td>National Institutes of Health</td>
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<td>104720</td>
<td>Evaluation of Safety Edge Benefits in Iowa</td>
<td>Hallmark, Shauna, McDonald, Thomas, Sperry, Robert, Nambisan, Shashi</td>
<td>Iowa Department of Transportation</td>
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<td>99400</td>
<td>Toxins and Laccases: Potential Pathogenic Weapons in Soybean Sudden Death Syndrome</td>
<td>Leandro, Leonor</td>
<td>Iowa Soybean Association</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$50,000 IOWA SOYBEAN ASSOCIATION
Toxins and Laccases: Potential Pathogenic Weapons in Soybean Sudden Death Syndrome
10/1/09 to 9/30/10 RESEARCH
CO-PI MBOFUNG, GLADYS PLANT PATHOLOGY-AES/CALS
$50,000 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/09 to 9/30/10 RESEARCH
HOGBERG, MAYNARD ANIMAL SCIENCE-AES/CALS
$49,900 ENVIRONMENTAL PROTECTION AGENCY
A Demonstration Project for the Illinois Tollway Utilizing Post Consumer Asphalt Roofing Shingles in HMA
9/1/09 to 8/31/10 RESEARCH
CO-PI WILLIAMS, R CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED
$49,839 OFFICE OF NAVAL RESEARCH
Optical Metamaterials
12/4/06 to 12/31/09 RESEARCH
SOUKOLIS, COSTAS PHYSICS & ASTRONOMY
$47,916 IOWA PORK PRODUCERS ASSOCIATION
Improving Net Returns in Pork Production by Improving Our Management of the Fallback Pig: Characterizing Biological and Physiological Differences in Fallback Pigs to Determine Optimal Management and Handling Practices
10/1/09 to 10/1/10 RESEARCH
CO-PI PATIENCE, JOHN ANIMAL SCIENCE-AES/CALS
GABLER, NICHOLAS ANIMAL SCIENCE-AES/CALS
$42,336 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/09 to 9/30/10 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS
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<td>104578</td>
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October 01 - 31, 2009
## October 01 - 31, 2009

### I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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**Accrual Dates:**

- 104437: 9/1/09 to 8/31/10
- 105628: 8/13/09 to 12/31/99
- 105581: 10/1/09 to 9/30/10
- 99761: 6/29/09 to 11/30/09
- 94295: 10/1/09 to 9/30/10
- 105508: 10/1/09 to 9/30/10
October 01 - 31, 2009

I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$31,480 DEPARTMENT OF AGRICULTURE, ARS

105515 Research Support Agreement

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

$30,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION

104991 Development of an Immunoassay for H1N1 Strains

9/1/09 to 10/1/10 RESEARCH
RAMAMOORTHY, SHEELA VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
YOO, KYOUNG-JIN VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$30,000 IOWA STATE UNIVERSITY RESEARCH FOUNDATION

105253 Facile Preparation of Nanoparticles for Biomedical and Chemical Applications

8/25/09 to 8/24/10 RESEARCH
ZHAO, YAN CHEMISTRY-LAS

$29,821 IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT

99848 Policy and Action Plan for 2010 Through 2014 Consolidated Plan-Housing and Community Development

8/5/09 to 12/31/09 EXTENSION/PUBLIC
BORICH, TIMOTHY EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT
ERICKSON, MARY EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT
GAFFEY, ABIGAIL EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT

$29,223 AUBURN UNIVERSITY

96228 Nondestructive Testing to Identify Delaminations Between HMA Layers

2/20/09 to 9/19/11 RESEARCH
HOLLAND, STEPHEN AEROSPACE ENGINEERING-ENGR
CEYLAN, HALIL CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

$28,750 AGREN, INC

98487 Landowners and Operators Care About the Land: A Market-Driven Operator Certification and Conservation Incentive Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC
ARBUCKLE, J. SOCILOGY-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$27,279 UNION OF CONCERNED SCIENTISTS

Union of Concerned Scientists Survey of Federal Food Safety Employees

9/15/09 to 5/30/10 • RESEARCH
ANDERSON, DIANNE • CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED

$26,206 OHIO STATE UNIVERSITY

TRPGR: The Grass Regulome Initiative: Integrating Control of Gene Expression and Agronomic Traits Across the Grasses

9/1/09 to 8/31/10 • RESEARCH
LAWRENCE, CAROLYN • GENETICS, DEVELOPMENT & CELL BIOLOGY
SPALDING, MARTIN • GENETICS, DEVELOPMENT & CELL BIOLOGY

$25,425 CINCINNATI CHILDRENS HOSPITAL MEDICAL CENTER

Improving Mental Health Outcomes of Child Brain Injury

6/1/09 to 5/31/10 • RESEARCH
MELBY, JANET • HUMAN DEVELOPMENT & FAMILY STUDIES

$25,000 IOWA DEPARTMENT OF TRANSPORTATION

Iowa Traffic Safety Data Service

5/1/05 to 6/30/11 • RESEARCH
SOULEYRETTE, REGINALD • CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI • CENTER FOR TRANSPORTATION RESEARCH & EDUCATION-VPR/ED

$22,500 DEPARTMENT OF EDUCATION

Teacher Education Assistance for College and Higher Education (TEACH) Grant, FY10

7/1/09 to 6/30/10 • STUDENT FINANCIAL AID
JOHNSON, ROBERTA • STUDENT FINANCIAL AID-VPSA

$21,750 DEPARTMENT OF AGRICULTURE, ARS

Research Support Agreement

10/1/09 to 9/30/10 • RESEARCH
LAMKEY, KENDALL • AGRONOMY-AES/CALS
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$17,928  ST. JUDE CHILDRENS  RESEARCH HOSPITAL
8/12/09 to 5/31/10  RESEARCH
WELK, GREGORY  KINESIOLOGY-HS
Physical Activity to Modify Sequelae and QOL in Childhood ALL: A Nursing Trial

$17,761  IOWA DEPARTMENT OF NATURAL RESOURCES
7/10/08 to 5/15/10  RESEARCH
DOWNING, JOHN  ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS
Amendment of Black Hawk Lake Diagnostic and Feasibility Study

$17,528  DICKINSON COUNTY BOARD OF SUPERVISORS
9/23/09 to 3/31/10  EXTENSION/PUBLIC
JENSEN, ALAN  EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT
Study of Shared Community Services in Dickinson County, Iowa

$16,209  DEPARTMENT OF AGRICULTURE, ARS
10/1/09 to 9/30/10  RESEARCH
LAMKEY, KENDALL  AGRONOMY-AES/CALS
Research Support Agreement

$15,120  HANDY GEOTECHNICAL INSTRUMENTS, INC
11/1/09 to 11/30/10  RESEARCH
ASHLOCK, JERAMY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
KRENNRICH, JULIENNE  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY-VPR/ED
Fully-Automated Borehole Shear Soil Testing Device

$14,999  NATIONAL SECURITY AGENCY
1/20/09 to 1/19/11  RESEARCH
AXENOVICH, MARIA  MATHEMATICS
Extremal Combinatorics and Applications in Computer Science
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$13,599  IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP

105072 Commercial PAT Manuals for Seed Treatment Category 4

7/1/09 to 6/30/10 EXTENSION/PUBLIC
MILLER, GERALD EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT
BUFFINGTON, ELIZABETH ENTOMOLOGY-EXT
BROWN, PAUL ENTOMOLOGY-EXT

$13,500 NORTHEAST IOWA FOOD AND FIRMNESS INITIATIVE

105425 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$12,699 ARIZONA STATE UNIVERSITY

87879 United States-Brazil Higher Education Consortia Program

10/1/07 to 9/30/10 RESEARCH
GEIGER, RANDALL ELECTRICAL & COMPUTER ENGINEERING

$12,675 DEPARTMENT OF AGRICULTURE, ARS

98816 Evaluation of Thlaspi and Camelina Accessions

9/29/09 to 6/30/10 RESEARCH
HEATON, EMILY AGRONOMY-AES/CALS
MAREK, LAURA AGRONOMY-AES/CALS

$12,479 DEPARTMENT OF AGRICULTURE, ARS

105556 Research Support Agreement

10/1/09 to 9/30/10 RESEARCH
NOLAN, LISA VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$12,000 NATIONAL SCIENCE FOUNDATION

104097 Collaborative Research: Focused Electric Field Induced Ion Transport: A Patterning Process

10/8/09 to 6/30/10 RESEARCH
BASTAWROS, ASHRAF AEROSPACE ENGINEERING-ENGR
CHANDRA, ABHIJIT MECHANICAL ENGINEERING-ENGR
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$10,411  IOWA STATE UNIVERSITY RESEARCH FOUNDATION

63289  Invention Royalties

    7/1/09 to 12/31/09  RESEARCH
    WHITEFORD, MICHAEL  LIBERAL ARTS & SCIENCES ADMINISTRATION

$10,137  IOWA DEPARTMENT OF PUBLIC HEALTH

105123  Practice Level E-Health Assessment

    9/30/09 to 12/31/09  RESEARCH
    ANDERSON, MARY  RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS

$10,000  IOWA DEPARTMENT OF EDUCATION

104417  Special Education Teacher Recruitment and Retention Study

    7/1/09 to 6/30/10  RESEARCH
    PHYE, GARY  CURRICULUM & INSTRUCTION-HS

$10,000  DEPARTMENT OF AGRICULTURE, ARS, NAA

105042  Development of Advanced Bioconversion Process for Cellulosic Feedstocks Using Soaking in Aqueous Ammonia Pretreatment

    9/28/09 to 9/27/10  RESEARCH
    KIM, TAE  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$10,000  AUBURN UNIVERSITY

105436  Technology Specialist for the Army Youth Development Project

    10/12/09 to 9/30/10  EXTENSION/PUBLIC
    MORRIS, JOHN  EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$10,000  DEPARTMENT OF AGRICULTURE, ARS

105520  Research Support Agreement

    10/1/09 to 9/30/10  RESEARCH
    LAMKEY, KENDALL  AGRONOMY-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$9,953 UNIVERSITY OF MINNESOTA
Producer Education of Nitrate Reduction Strategies and Evaluation of Acceptance
10/1/09 to 9/30/10 RESEARCH
BHANDARI, ALOK
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES

$7,500 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/09 to 9/30/10 RESEARCH
LAMKEY, KENDALL
AGRONOMY-AES/CALS

$7,000 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/09 to 9/30/10 RESEARCH
LAMKEY, KENDALL
AGRONOMY-AES/CALS

$6,893 KANSAS STATE UNIVERSITY
Army/4-H Youth Development Training for Functional Technology Specialists
7/23/08 to 12/1/09 EXTENSION/PUBLIC
SETTLE, MARK
METCALF, STEPHEN
EXTENSION COMMUNICATIONS AND EXTERNAL RELATIONS-EXT

$6,014 PLACER COUNTY OFFICE OF EDUCATION
Assessing Teacher Knowledge Growth Using Document Based Questions Year 2
9/1/09 to 6/30/10 RESEARCH
LEE, MIMI
CURRICULUM & INSTRUCTION-HS

$6,000 DEPARTMENT OF AGRICULTURE, ARS
Research Support Agreement
10/1/09 to 9/30/10 RESEARCH
LAMKEY, KENDALL
AGRONOMY-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$6,000 DEPARTMENT OF AGRICULTURE, ARS

105513 Research Support Agreement

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

$5,906 NATIONAL SCIENCE FOUNDATION

98459 Collaborative Research: Oxidative Stress Telomere Dynamics and Aging in a Free-Living Organism

4/1/08 to 3/31/10 RESEARCH
VLECK, CAROL ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS
VLECK, DAVID ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS

$5,062 COMMUNITY FOUNDATION OF GREATER DUBUQUE

105467 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$5,000 GRAIN PROCESSING CORPORATION

104434 Naturally Controlled Gelatinization of Corn Starch

7/1/09 to 6/30/10 RESEARCH
GREWELL, DAVID AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$3,801 DEPARTMENT OF AGRICULTURE, ARS

96872 Research Support Agreement

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

$3,600 DEPARTMENT OF AGRICULTURE, ARS

96865 Research Support Agreement

10/1/08 to 9/30/09 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

400-30-12

October 01 - 31, 2009

$3,375 ADAIR COUNTY EXTENSION

105429 Local Support for Iowa AmeriCorps State of Promise Program

9/1/09 to 8/31/10 EXTENSION/PUBLIC
BROSHAR, DON EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$3,240 IOWA DEPARTMENT OF PUBLIC HEALTH

104898 I-Smile 1-800 Phone Line

10/1/09 to 9/30/10 EXTENSION/PUBLIC
WARNING, JEANNE EXTENSION TO FAMILIES-EXT
VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT

$3,000 IOWA COLLEGE STUDENT AID COMMISSION

105100 Student Assistant Grant

8/1/09 to 7/10/10 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$2,560 IOWA DEPARTMENT OF PUBLIC HEALTH

105246 Analysis of Tobacco Sales Data

7/1/09 to 6/30/10 RESEARCH
SHELLEY, MACK STATISTICS-LAS

$2,000 IOWA DEPARTMENT OF PUBLIC HEALTH

104836 Hotline Services for Substance Abuse Prevention

7/15/09 to 6/30/10 EXTENSION/PUBLIC
WARNING, JEANNE EXTENSION TO FAMILIES-EXT
VANGINKEL, MARGARET EXTENSION TO FAMILIES-EXT

$2,000 DEPARTMENT OF AGRICULTURE, ARS

105519 Research Support Agreement

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