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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$11,372,847 ED-U.S. DEPARTMENT OF EDUCATION

116617 PELL GRANT, FY12

7/1/11 to 6/30/12 STUDENT FINANCIAL AID
JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$544,328 IOWA DEPARTMENT OF HUMAN SERVICES

115244 IOWA FOOD ASSISTANCE NUTRITION EDUCATION PROGRAM

10/1/11 to 9/30/12 EXTENSION/PUBLIC
MARTIN, PEGGY EXTENSION TO FAMILIES-EXT
HOOVER, JUSTINE EXTENSION TO FAMILIES-EXT

$505,690 NIH-NATIONAL INSTITUTES OF HEALTH

116727 CHARACTERIZATION OF IMMUNOGENIC AND STRUCTURAL PROPERTIES OF HIV-1 ENVELOPE

5/1/11 to 4/30/12 RESEARCH
CHO, MICHAEL BIOMEDICAL SCIENCES-VET

$498,766 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)

116761 RESEARCH SUPPORT AGREEMENT

10/1/11 to 9/30/12 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS

$490,339 UNIVERSITY OF DELAWARE

111112 ADAPTING CHICKEN PRODUCTION TO CLIMATE CHANGE THROUGH BREEDING

4/1/11 to 3/31/13 RESEARCH
LAMONT, SUSAN ANIMAL SCIENCE-AES/CALS
PERSIA, MICHAEL ANIMAL SCIENCE-AES/CALS
ROTHSCHILD, MAX ANIMAL SCIENCE-AES/CALS

$418,042 USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)

115964 PORTABLE PNEUMATIC CAPTIVE-BOLT DEVICE PROJECT

9/30/11 to 9/30/13 RESEARCH
SHEARER, JAN VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT
DEWELL, GRANT VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

115964 PORTABLE PNEUMATIC CAPTIVE-BOLT DEVICE PROJECT

9/30/11 to 9/30/13 RESEARCH

CO-PI
DEWELL, RENEE

VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$418,042 USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)

115047 PHASE II - CONTINUING THE SEARCH OF NEW GENETIC AND GENOMIC RESOURCES IN SOYBEAN FOR BREEDING RESISTANCE TO SUDDEN DEATH SYNDROME (SDS)

10/1/11 to 9/30/12 RESEARCH

CO-PI
CIANZIO, SILVIA

AGRONOMY-AES/CALS

CO-PI
BHATTACHARYYA, MADAN

AGRONOMY-AES/CALS

CO-PI
LEANDRO, LEONOR

PLANT PATHOLOGY-AES/CALS

$326,489 UNITED SOYBEAN BOARD

116153 COMBINE CONTROL DEVELOPMENT, PHASE I SUPPLEMENTAL

8/15/11 to 10/30/11 RESEARCH

CO-PI
DARR, MATTHEW

AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$300,000 DEERE & COMPANY

116388 BIOPREFERRED PROGRAM

9/30/11 to 12/31/11 EXTENSION/PUBLIC

CO-PI
DEVLIN, STEVEN

CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

CO-PI
COX, RONALD

CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

$270,189 KANSAS STATE UNIVERSITY

114241 VACCINES AND DIAGNOSTICS FOR TRANSBOUNDARY ANIMAL DISEASES MEETING

7/20/11 to 6/30/12 EXTENSION/PUBLIC

CO-PI
ROTH, JAMES

VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

CO-PI
ANDREASEN, CLAIRE

VETERINARY PATHOLOGY-VET

$263,600 UNITED SOYBEAN BOARD

115952 SB1161 COMBINING INTEGRATED PEST MANAGEMENT WITH CLIMATE CHANGE, MITIGATION, AND ADAPTATION IN SOYBEAN-CORN CROPPING SYSTEMS

9/1/11 to 8/31/13 RESEARCH

CO-PI
MUELLER, DAREN

PLANT PATHOLOGY-EXT

CO-PI
MORTON, LOIS

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

$263,600 UNITED SOYBEAN BOARD

115952 SB1161 COMBINING INTEGRATED PEST MANAGEMENT WITH CLIMATE CHANGE, MITIGATION, AND ADAPTATION IN SOYBEAN-CORN CROPPING SYSTEMS
9/1/11 to 8/31/13 RESEARCH

CO-PI LEANDRO, LEONOR PLANT PATHOLOGY-AES/CALS
CO-PI ROBERTSON, ALISON PLANT PATHOLOGY-EXT
CO-PI TYLKA, GREGORY PLANT PATHOLOGY-AES/CALS
CO-PI YANG, XIAO PLANT PATHOLOGY-AES/CALS
CO-PI O'NEAL, MATTHEW ENTOMOLOGY-AES/CALS
CO-PI GASSMANN, AARON ENTOMOLOGY-AES/CALS

$252,997 UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION

114543 ADVANCING DRUG DEVELOPMENT IN MEDICINAL PLANTS USING TRANSCRIPTOMICS AND METABOLOMICS
9/1/10 to 8/31/12 RESEARCH

CO-PI WURTELE, EVE GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
CO-PI NIKOLAU, BASIL GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

$234,423 EPA-U.S. ENVIRONMENTAL PROTECTION AGENCY

115630 NAVIGATING THE WATERS: A WETLAND DEVELOPMENT GUIDE FOR AGENCIES AND ORGANIZATIONS WORKING WITH WOMEN LANDOWNERS
10/1/11 to 5/31/15 RESEARCH

CO-PI CHRISTOFFEL, REBECCA NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
CO-PI MORTON, LOIS SOCIOLOGY-AES/CALS
CO-PI STEWART, TIMOTHY NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$228,912 ED-U.S. DEPARTMENT OF EDUCATION

112138 PELL GRANT, FY11

7/1/10 to 6/30/11 STUDENT FINANCIAL AID

CO-PI JOHNSON, ROBERTA STUDENT FINANCIAL AID-VPSA

$225,000 UNITED SOYBEAN BOARD

115027 DEVELOPMENT OF MATURITY I-IV VARIETIES FOR THE BETTER BEAN INITIATIVE
10/1/11 to 9/30/12 RESEARCH

CO-PI FEHR, WALTER AGRONOMY-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

116759 RESEARCH SUPPORT

10/1/11 to 9/30/12 RESEARCH
LAMKEY, KENDALL AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

115724 INVESTIGATION OF DETERIORATION OF JOINTS IN CONCRETE PAVEMENTS

11/1/09 to 6/30/13 RESEARCH
TAYLOR, PETER INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI

115832 UNIVERSITY CENTER ECONOMIC DEVELOPMENT PROGRAM

8/1/11 to 7/31/12 EXTENSION/PUBLIC
CO-PI
COX, RONALD CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
ODONNELL, MICHAEL CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

108154 ENHANCING NUTRITIONAL VALUE AND MARKETABILITY OF BEANS THROUGH RESEARCH AND STRENGTHENING KEY VALUE CHAIN STAKEHOLDERS IN UGANDA AND RWANDA

4/1/08 to 9/28/12 RESEARCH
CO-PI
MAZUR, ROBERT SOCIOLOGY-LAS
WESTGATE, MARK AGRONOMY-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

116102 OPERATOR PERFORMANCE EVALUATIONS FOR SMART-UNLOAD AUTOMATION

9/15/11 to 9/14/12 RESEARCH
LUECKE, GREG MECHANICAL ENGINEERING-ENGR
GILBERT, STEPHEN INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED
CO-PI
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**$194,932**  
**EPA-U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**116378**  
**THE ECONOMIC AND ENVIRONMENTAL IMPACTS FROM INCREASED USE OF RENEWABLE FUELS IN THE U.S. TRANSPORTATION SECTOR**  
9/30/11 to 9/29/12  
RESEARCH  
BABCOCK, BRUCE  
ECONOMICS-AES/CALS

**$180,700**  
**EPA-U.S. ENVIRONMENTAL PROTECTION AGENCY**  
**116526**  
**GOVERNOR'S TRAFFIC SAFETY BUREAU IOWA DEPARTMENT OF PUBLIC SAFETY**  
10/1/11 to 9/30/12  
RESEARCH  
HANS, ZACHARY  
NAMBIKAN, SHASHI  
INSTITUTE FOR TRANSPORTATION-VPR/ED

**$168,095**  
**UNIVERSITY OF IOWA**  
**113706**  
**ADAPTATION AND RESILIENCE OF NATURAL AND BUILT WATERS SYSTEMS TO CLIMATE VARIABILITY AND LAND USE CHANGE**  
9/1/11 to 2/29/16  
RESEARCH  
GUTOWSKI, WILLIAM  
GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS

**$160,000**  
**ED-U.S. DEPARTMENT OF EDUCATION**  
**116616**  
**TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION (TEACH) GRANT, FY12**  
7/1/11 to 6/30/12  
STUDENT FINANCIAL AID  
JOHNSON, ROBERTA  
STUDENT FINANCIAL AID-VPSA

**$159,657**  
**WASHINGTON STATE UNIVERSITY**  
**113332**  
**HEALTHY GARDENS, HEALTHY YOUTH: PEOPLE'S GARDEN PROJECT**  
4/15/11 to 9/30/13  
EXTENSION/PUBLIC  
FRANZ, NANCY  
TOERING, JANET  
NAEVE, LINDA  
EXTENSION TO FAMILIES-EXT  
EXTENSION 4-H YOUTH DEVELOPMENT-EXT  
ENTOMOLOGY-AES/CALS

**$158,209**  
**USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)**  
**111779**  
**AGRO-ECOSYSTEM APPROACH TO SUSTAINABLE BIOFUELS PRODUCTION VIA THE PYROLYSIS-BIOCHAR PLATFORM (AFRI-CAP)**  
8/1/11 to 7/31/13  
RESEARCH  
MOORE, KENNETH  
RAMAN, DAVE  
SCHWAB, CHARLES  
AGRonomy-AES/CALS  
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS  
AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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$158,209  USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA) 165

111779  AGRO-ECOSYSTEM APPROACH TO SUSTAINABLE BIOFUELS PRODUCTION VIA THE PYROLYSIS-BIOCHAR PLATFORM 416-17-01
(AFRI-CAP)

8/1/11 to 7/31/13  RESEARCH

CO-PI  BROWN, ROBERT  MECHANICAL ENGINEERING-ENGR

CO-PI  BIRRELL, STUART  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI  EUKEN, JILL  BIOECONOMY INSTITUTE-VPR/ED

CO-PI  HAYES, DERMOT  ECONOMICS-AES/CALS

CO-PI  JACOBS, KERI  ECONOMICS-AES/CALS

CO-PI  HANNA, H.  AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

CO-PI  KLING, CATHERINE  ECONOMICS-AES/CALS

CO-PI  LAIRD, DAVID  AGRONOMY-AES/CALS

$153,470  TOYOTA MOTOR NORTH AMERICA INC 166

116206  FUNDAMENTAL RESEARCH ON STEEL MATERIAL PROPERTIES FOR AUTOMOBILE APPLICATIONS AND ON THEIR 400-65-30
RESPONSE TO ELECTROMAGNETIC MEASUREMENTS, PHASE III

4/1/09 to 9/30/12  RESEARCH

CO-PI  NAKAGAWA, NORIO  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

CO-PI  LO, CHI  CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED

$150,000  DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR) 421-20-10

115553  AN ADAPTIVE PROPERTY-AWARE HW/SW FRAMEWORK FOR DDDAS

9/30/11 to 9/29/13  RESEARCH

CO-PI  JONES, PHILLIP  ELECTRICAL & COMPUTER ENGINEERING-ENGR

CO-PI  ZAMBRENO, JOSEPH  ELECTRICAL & COMPUTER ENGINEERING-ENGR

CO-PI  ELIA, NICOLA  ELECTRICAL & COMPUTER ENGINEERING-ENGR

$150,000  USDA-AGRICULTURAL RESEARCH SERVICES (ARS) 419-48-12

116972  RESEARCH SUPPORT AGREEMENT

10/1/11 to 9/30/12  RESEARCH

CO-PI  BLODGETT, SUE  ENTOMOLOGY-AES/CALS

$149,015  UNITED SOYBEAN BOARD 459-21-03

116034  HIGH-PROTEIN SOYBEANS

10/1/11 to 9/30/12  RESEARCH

CO-PI  LI, LING  GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS
### II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<th>Description</th>
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<td>High-Protein Soybeans</td>
<td>$149,015</td>
<td>October 01 - 31, 2011</td>
<td>WURTELE, EVE</td>
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<td>UNIVERSITY OF WASHINGTON</td>
<td>National Center on Quality Teaching and Learning, Year 2</td>
<td>$146,786</td>
<td>September 15, 2011 - September 14, 2012</td>
<td>PETERSON, CARLA</td>
<td>NR</td>
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<td>PENNSYLVANIA STATE UNIVERSITY</td>
<td>Implications of Genetic Variance for Substance Use Interventions in Adolescence</td>
<td>$144,473</td>
<td>August 1, 2010 - July 31, 2012</td>
<td>SPOTH, RICHARD</td>
<td>PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED</td>
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<td>KANSAS STATE UNIVERSITY</td>
<td>National Center of Excellence for Zoonotic and Emerging Animal Diseases, Education and Outreach</td>
<td>$134,680</td>
<td>July 1, 2010 - June 30, 2012</td>
<td>ROTH, JAMES</td>
<td>VETERINARY MICROBIOLOGY &amp; PREVENTIVE MEDICINE-VET</td>
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<td>UNIVERSITY OF VERMONT</td>
<td>Boron and Diboride Systems for High-Enthalpy Environments: Design and Evaluation</td>
<td>$125,000</td>
<td>September 15, 2011 - September 14, 2012</td>
<td>AKINC, MUFIT</td>
<td>MATERIALS SCIENCE &amp; ENGINEERING-ENGR</td>
<td>404-20-05</td>
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</table>
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$124,172 HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC
116680 DIAMOND THERMAL MANAGEMENT SYSTEM PHASE II
10/1/11 to 9/28/12 RESEARCH
MOLIAN, PALANIAPPA MECHANICAL ENGINEERING-ENGR
WANG, XINWEI MECHANICAL ENGINEERING-ENGR

$121,469 ED-U.S. DEPARTMENT OF EDUCATION
116661 CHILD CARE ACCESS MEANS PARENTS IN SCHOOL PROGRAM
10/1/11 to 9/30/12 INSTRUCTION/TRAINING
GRADEN, JULIA HUMAN RESOURCE SERVICES-VPBF

$120,000 IOWA EGG COUNCIL
115718 IMPACT OF LAYING HEN MANURE APPLICATIONS ON WATER QUALITY UNDER CONTINUOUS CORN
7/1/11 to 6/30/14 RESEARCH
KANWAR, RAMESHWAR AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
SOUPIR, MICHELLE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$109,999 DES MOINES AREA METROPOLITAN PLANNING ORGANIZATION
115063 RESEARCH SUPPORT FOR DES MOINES REGIONAL SUSTAINABLE PLAN
10/12/11 to 10/11/14 RESEARCH
JOHNSTON, DOUGLAS LANDSCAPE ARCHITECTURE-DSN
TAYLOR, GARY COMMUNITY & REGIONAL PLANNING-EXT
HADDAD, MONICA COMMUNITY & REGIONAL PLANNING-DSN
BASMAJIAN, CARLTON COMMUNITY & REGIONAL PLANNING-DSN

$105,000 IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT
115967 FY 2012 SBDC VALUES FUNDS
7/1/11 to 6/30/13 EXTENSION/PUBLIC
HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$101,192 UNIVERSITY OF NORTH TEXAS

111118 IS INSOMNIA A RISK FACTOR FOR DECREASED INFLUENZA (E.G., H1N1) VACCINE RESPONSE?

2/15/11 to 2/14/13 RESEARCH
KOHUT, MARIAN KINESIOLOGY-HS

$100,000 USDA-RISK MANAGEMENT AGENCY (RMA)

115820 ANNIE'S PROJECT FOR WOMEN MANAGING RISKS OF VALUE-ADDED AND COMMODITY AGRICULTURE IN IOWA ST. PAUL, MN RMA REGION
9/26/11 to 9/25/12 EXTENSION/PUBLIC
HANSEN, RAYMOND VALUE ADDED AGRICULTURE-EXT
EGGERS, TIMOTHY EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT
SCHULTZ, MADELINE VALUE ADDED AGRICULTURE-EXT
WELLS, JON EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT

$100,000 USDA-OFFICE OF THE CHIEF ECONOMIST (OCE)

116003 COMPARING THE TRENDS AND STRENGTH OF DETERMINANTS TO DEFORESTATION IN THE BRAZILIAN AMAZON IN CONSIDERATION OF BIOFUEL POLICIES IN BRAZIL AND THE UNITED STATES
9/23/11 to 8/31/12 RESEARCH
ELOBEID, AMANI ECONOMICS-AES/CALS
CARRIQUIRY, MIGUEL ECONOMICS-AES/CALS

$100,000 IOWA DEPARTMENT OF TRANSPORTATION

116315 WESTERN IOWA MISSOURI RIVER FLOODING--GEO-INFRASTRUCTURE DAMAGE ASSESSMENT, REPAIR AND MITIGATION STRATEGIES
10/11/11 to 6/30/12 RESEARCH
WHITE, DAVID CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
VENNAPUSA, PAVANA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
MILLER, DANIEL CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

$96,921 DEERE & COMPANY

116746 DEVELOPMENT VARIABLE RATE STOVER COLLECTION FOR SINGLE PASS BIOMASS HARVESTER

10/1/10 to 12/31/12 RESEARCH
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
1. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$94,148  BOEING COMPANY

115955  TANKER RECEIVER SIMULATION

10/17/11 to 1/3/12  RESEARCH
WINER, ELIOT  GILBERT, STEPHEN
MECHANICAL ENGINEERING-ENGR  INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED

$91,542  IOWA PORK PRODUCERS ASSOCIATION

116022  CHARACTERIZATION OF PATHOGENIC AND MOLECULAR DIFFERENCES IN ATYPICAL BRACHYSPIRA SPP. CLINICAL ISOLATES VERSUS CLASSIC STRAINS

10/1/11 to 9/30/12  RESEARCH
BURROUGH, ERIC  SCHWARTZ, KENT  FRANA, TIMOTHY  MADSON, DARIN  STRAIT, ERIN  SONGER, J
VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET  VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$90,124  UNIVERSITY OF NORTHERN IOWA

116436  EXTENSION SUPPORT FOR THE IOWA SPACE GRANT CONSORTIUM

5/17/11 to 5/16/12  EXTENSION/PUBLIC
STAKER, JAY  FUCHS, CARMEN  RUDOLPHI, THOMAS
EXTENSION 4-H YOUTH DEVELOPMENT-EXT  EXTENSION 4-H YOUTH DEVELOPMENT-EXT  AEROSPACE ENGINEERING-ENGR

$90,000  BASF CORPORATION

115531  EVALUATION OF HIGH CONCENTRATION (MEGA DOSE) OF PHYTASE ON BROILER PERFORMANCE, NUTRIENT DIGESTIBILITY AND INTESTINAL STRUCTURE

9/1/11 to 8/31/13  RESEARCH
PERSIA, MICHAEL
ANIMAL SCIENCE-AES/CALS

$89,416  IOWA DEPARTMENT OF TRANSPORTATION

115836  FEASIBILITY STUDY FOR DETECTION AND QUANTIFICATION OF CORROSION IN BRIDGE BARRIER RAILS

10/7/11 to 4/20/12  RESEARCH
BRASCHE, LISA  PHARES, BRENT  NAMBIKAN, SHASHI
CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED  INSTITUTE FOR TRANSPORTATION-VPR/ED  INSTITUTE FOR TRANSPORTATION-VPR/ED
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$88,076 MICHIGAN STATE UNIVERSITY

114853 NORTH CENTRAL REGIONAL AQUACULTURE CENTER (NCRAC) ADMINISTRATION

- 6/1/10 to 7/31/12 RESEARCH
- MORRIS, JOSEPH
- NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

$87,975 IOWA DEPARTMENT OF NATURAL RESOURCES

116584 ESTABLISHING WEB-BASED RESOURCES WITHIN THE IOWA GEOSPATIAL INFRASTRUCTURE

- 8/16/11 to 7/1/12 RESEARCH
- KANE, KEVIN
- INFORMATION TECHNOLOGY SERVICES-PROV

$87,538 CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH INC

115672 PRACTICAL WATERBORNE AGRICULTURAL OIL-BASED COATINGS

- 9/1/11 to 8/31/12 RESEARCH
- LAROCK, RICHARD
- CHEMISTRY-LAS

$85,000 IA DPS-GOVERNORS TRAFFIC SAFETY BUREAU

116581 TEEN YOUNG ADULT ALCOHOL AND TRAFFIC SAFETY

- 10/1/11 to 9/30/12 EXTENSION/PUBLIC
- STEWART, JERRY
- SMITH, LAURINDA
- DEPARTMENT OF PUBLIC SAFETY-VPBF

$79,160 ARIZONA STATE UNIVERSITY

115918 PSERC CERTS FY11, NETL

- 1/1/09 to 3/31/12 RESEARCH
- MCCALLEY, JAMES
- ELECTRICAL & COMPUTER ENGINEERING-ENGR

$77,795 UNITED SOYBEAN BOARD

115823 USING WATER STABLE SOY BASED PLASTIC FOR LAWN CARE PRODUCTS

- 10/1/11 to 9/30/12 RESEARCH
- GREWELL, DAVID
- GRAVES, WILLIAM
- SCHRADER, JAMES
- AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
- HORTICULTURE-AES/CALS
- HORTICULTURE-AES/CALS
October 01 - 31, 2011

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$75,000 NATIONAL PORK BOARD

113522 IMMUNE CORRELATES OF CLINICAL OUTCOMES IN MATERNAL ANTIBODY-POSITIVE PIGLETS VACCINATED WITH ATTENUATED OR KILLED SIV AND CHALLENGED WITH AN ANTIGENIC VARIANT

9/1/11 to 8/31/12 RESEARCH

SANDBULTE, MATTHEW CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

$75,000 UNIVERSITY OF KENTUCKY

114594 IDENTIFYING THE EFFECT OF WIC ON VERY LOW FOOD SECURITY

6/1/11 to 9/14/12 RESEARCH

KREIDER, BRENT ECONOMICS-LAS

$73,909 AUBURN UNIVERSITY

116093 TECHNOLOGY SPECIALIST FOR THE ARMY YOUTH DEVELOPMENT PROJECT

10/1/11 to 1/31/12 EXTENSION/PUBLIC

MORRIS, JOHN EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$70,339 UNITED SOYBEAN BOARD

115503 DEVELOPING SOYBEAN OIL-BASED PLASTIC FAT AS A SUBSTITUTE FOR PARAFFIN AND BEESWAX

10/1/11 to 9/30/12 RESEARCH

WANG, TONG FOOD SCIENCE & HUMAN NUTRITION-AES/CALS

JARBOE, DARREN CENTER FOR CROPS UTILIZATION RESEARCH-AES/CALS

YAO, LINXING FOOD SCIENCE & HUMAN NUTRITION-AES/CALS

WALTON, BARBARA ART & DESIGN-DSN

$69,000 USDA-OFFICE OF THE CHIEF ECONOMIST (OCE)

116236 BIOBASED PRODUCT INDUSTRY EVALUATION AND OUTREACH

9/30/11 to 9/30/12 EXTENSION/PUBLIC

DEVLIN, STEVEN CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

COX, RONALD CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
## II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

<table>
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<th>Sponsor and Project Description</th>
<th>Principal Investigator(s)</th>
<th>Department(s)</th>
<th>Amount</th>
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<td>97755</td>
<td>TRPGR: DISCOVERY, REVISION, AND VALIDATION OF MAIZE GENES BY PROTEOGENOMICS</td>
<td>RODERME Mel, STEVEN</td>
<td>GENETICS, DEVELOPMENT &amp; CELL BIOLOGY-LAS</td>
<td>$66,550</td>
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<td>111748</td>
<td>DEVELOPMENT OF AN OPTIMAL DYNAMIC AND STATIC VAR PLANING TOOL CAPABLE OF HANDLING FAST VOLTAGE COLLAPSE AND SLOW VOLTAGE RECOVERY PROBLEMS ASSOCIATED WITH INDUCTION MOTOR BASED LOADS</td>
<td>AJJARAPU, VENKATARAMANA</td>
<td>ELECTRICAL &amp; COMPUTER ENGINEERING-ENGR</td>
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<td>8/24/10 - 6/30/12</td>
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<td>111100</td>
<td>GENOMIC SELECTION AND HERD MANAGEMENT OF IMPROVED FEED EFFICIENCY OF THE DAIRY INDUSTRY</td>
<td>SPURLOCK, DIANE</td>
<td>ANIMAL SCIENCE-AES/CALS</td>
<td>$59,949</td>
<td>5/1/11 - 4/30/12</td>
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I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$58,880  UNITED SOYBEAN BOARD
115064  ECONOMICAL BIODIESEL WITH IMPROVED PROPERTIES
10/1/11 to 9/30/13 RESEARCH
VERKADE, JOHN CHEMISTRY-LAS

$58,625  NORTH CAROLINA STATE UNIVERSITY
115617  ALLIANCE POST DOC
6/1/11 to 5/31/12 INSTRUCTION/TRAINING
KLIEMANN, WOLFGANG MATHEMATICS-LAS

$58,000  SOUTH DAKOTA STATE UNIVERSITY
99485  BIOMASS REGIONAL FEEDSTOCK PARTNERSHIP: CORN STOVER REMOVAL
4/1/09 to 9/30/13 RESEARCH
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

$57,817  UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC
116676  KU CHEMICAL METHODOLOGIES AND LIBRARY DEVELOPMENT CENTER
8/1/11 to 7/31/12 RESEARCH
LAROCK, RICHARD CHEMISTRY-LAS

$56,800  USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
116732  RESEARCH SUPPORT AGREEMENT
10/1/11 to 9/30/12 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS

$55,500  NATIONAL 4H COUNCIL
116281  WAL-MART FOUNDATION HEALTHY LIVING YOUTH GRANTS TO SUPPORT YOUTH VOICE: YOUTH CHOICE
9/9/11 to 9/1/12 EXTENSION/PUBLIC
LITCHFIELD, RUTH FOOD SCIENCE & HUMAN NUTRITION-EXT
GLEASON, CHRIS EXTENSION 4-H YOUTH DEVELOPMENT-EXT
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

116873  RESEARCH SUPPORT AGREEMENT

10/1/11 to 9/30/11  RESEARCH
REECY, JAMES  ANIMAL SCIENCE-AES/CALS

$55,250  USDA-AGRICULTURAL RESEARCH SERVICES (ARS)

116490  EARLY DIAGNOSIS OF PANCREATIC CANCER

8/15/11 to 6/30/12  RESEARCH
LIPERT, ROBERT  INSTITUTE FOR COMBINATORIAL DISCOVERY - IPRT-VPR/ED

$54,636  UNIVERSITY OF NEBRASKA MEDICAL CENTER

116736  RESEARCH SUPPORT AGREEMENT

10/1/10 to 9/30/12  RESEARCH
LAMKEY, KENDALL  AGRONOMY-AES/CALS

$52,832  USDA-AGRICULTURAL RESEARCH SERVICES (ARS)

114527  SAMPLE SIZE RECOMMENDATIONS FOR THE DETECTION OF PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME VIRUS (PRRSV) INFECTION USING PEN-BASED ORAL FLUID SAMPLES

8/15/11 to 8/14/12  MISCELLANEOUS
ZIMMERMAN, JEFFREY  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
WANG, CHONG  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

$50,538  IOWA DEPARTMENT OF JUSTICE-OFFICE OF THE ATTORNEY GENERAL

115694  NORTH CENTRAL PLANT DIAGNOSTIC NETWORK

7/1/11 to 6/30/12  EXTENSION/PUBLIC
BAUM, THOMAS  PLANT PATHOLOGY-AES/CALS

$50,000  MICHIGAN STATE UNIVERSITY

115943  FIELD PERFORMANCE OF TIMBER HIGHWAY BRIDGES: A NATIONAL STUDY

7/29/11 to 6/30/13  RESEARCH
WIPF, TERRY  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
PHARES, BRENT  INSTITUTE FOR TRANSPORTATION-VPR/ED
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$50,000  USDA-FOREST SERVICE (FS)
October 01 - 31, 2011

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

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<td>$47,750</td>
<td>PERILYA LIMITED</td>
<td>TRACE AND MAJOR ELEMENT CHEMISTRY OF GAHNITE AS AN EXPLORATION GUIDE TO BROKEN HILL-TYPE MINERALIZATION IN PERILYA’S TENEMENTS IN THE BROKEN HILL DOMAIN OF THE SOUTHERN CURNAMONA PROVINCE</td>
<td>8/1/10 to 1/31/13</td>
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<td>PREFLIGHT AUGMENTED REALITY INSPECTION PROGRAM</td>
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<td>DREXEL UNIVERSITY</td>
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<td>CATERPILLAR INC</td>
<td>COMPACTION FORECASTING EXPERT DATABASE (CFED) (PHASE V)–CHARACTERIZATION OF ADDITIONAL CFED SOILS AND COMPACTOR PERFORMANCE</td>
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### Gifts, Grants, Contracts and Memoranda of Agreement

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

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<td>WANG, ZHI AEROSPACE ENGINEERING-ENGR</td>
<td>$36,327</td>
<td>12/1/10</td>
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<td>A UNIFYING HIGH-ORDER METHOD FOR THE NAVIER-STOKES EQUATIONS ON HYBRID UNSTRUCTURED MESHES</td>
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<td>YU, CHENXU AGRICULTURAL &amp; BIOSYSTEMS ENGINEERING-AES/CALS</td>
<td>$35,500</td>
<td>9/1/11</td>
<td>3/31/12</td>
<td>EXPLORING RAMAN SPECTROSCOPY AS A TOOL FOR CHARACTERIZING GLAUCOMATOUS RETINAL TISSUES</td>
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<td>MIGUEZ, FERNANDO AGRONOMY-AES/CALS</td>
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<td>1/1/11</td>
<td>12/31/11</td>
<td>POTENTIAL BIOMASS PRODUCTION OF BIOENERGY C4 AND CAM CROPS EVALUATED THROUGH THE USE OF A SEMIMECHANISTIC CROP MODEL (BIOCRO)</td>
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<td>WENDEL, JONATHAN ECOLOGY, EVOLUTION &amp; ORGANISMAL BIOLOGY-LAS</td>
<td>$32,555</td>
<td>10/1/11</td>
<td>9/30/12</td>
<td>THE EVOLUTION OF DUPLICATE OIL PATHWAYS IN POLYPLOID COTTON</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$31,712  ED-U.S. DEPARTMENT OF EDUCATION  432-21-02
116028  JACOB JAVITS FELLOWSHIP

9/1/11 to 8/31/12  FELLOWSHIP
RINEY-KEHRBERG, PAMELA  HISTORY-LAS

$30,794  IOWA PORK PRODUCERS ASSOCIATION  453-40-37
115926  DEVELOPING VALIDATED AND OBJECTIVE INDUSTRY-READY TOOLS TO ASSESS JOINT PAIN MANIFESTATION AND LAMENESS IN THE SOW
9/1/11 to 8/31/12  RESEARCH
BUTTERS-JOHNSON, ANNA  ANIMAL SCIENCE-AES/CALS
KARRIKER, LOCKE  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
MILLMAN, SUZANNE  VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
STALDER, KENNETH  ANIMAL SCIENCE-AES/CALS

$30,000  SOUTH DAKOTA STATE UNIVERSITY  404-25-18
114929  REGIONAL BIOMASS FEEDSTOCK PARTNERSHIP-HERBACEOUS BIOENERGY CROP FIELD TRIALS
1/1/09 to 9/30/13  RESEARCH
HEATON, EMILY  AGRONOMY-AES/CALS

$30,000  SOUTH DAKOTA STATE UNIVERSITY  404-25-45
115058  REGIONAL BIOMASS FEEDSTOCK PARTNERSHIP-HERBACEOUS BIOENERGY CROP FIELD TRIALS PROJECT
9/30/11 to 9/30/13  RESEARCH
MOORE, KENNETH  AGRONOMY-AES/CALS

$30,000  CATERPILLAR INC  400-17-23
115556  SOIL MOISTURE SENSOR DEVELOPMENT FOR VIBRATORY COMPACTORS
6/1/11 to 12/31/11  RESEARCH
WHITE, DAVID  CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
NAMBISAN, SHASHI  INSTITUTE FOR TRANSPORTATION-VPR/ED

$30,000  MISSISSIPPI STATE UNIVERSITY  404-28-41
116084  EVALUATION OF ATOMS2XP PROGRAM
8/15/11 to 6/15/12  RESEARCH
ANDERSON, MARY  RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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| 116084 | EVALUATION OF ATOMS2XP PROGRAM  
8/15/11 to 6/15/12 RESEARCH  
RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS                                                                                                                                                                                                                     | $30,000 | MISSISSIPPI STATE UNIVERSITY                         | KEMIS, MARI                                                             | 08/15/11   | 06/15/12 | EVALUATION OF ATOMS2XP PROGRAM                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 116408 | OAK WOODLAND & INVASIVE SPECIES MANAGEMENT THROUGH THE USE OF PRESCRIBED FIRE TRAINING, PLANNING, IMPLEMENTATION AND EDUCATION  
9/15/11 to 9/15/13 EXTENSION/PUBLIC  
NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT  
RANDALL, JESSE                                                                                                                                                                                                                                                               | $30,000 | IOWA DEPARTMENT OF NATURAL RESOURCES                 | Randle, Jesse                                                        | 09/15/11   | 09/15/13 | OAK WOODLAND & INVASIVE SPECIES MANAGEMENT THROUGH THE USE OF PRESCRIBED FIRE TRAINING, PLANNING, IMPLEMENTATION AND EDUCATION  
RANDALL, JESSE                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 116874 | RESEARCH SUPPORT AGREEMENT  
10/1/11 to 9/30/12 RESEARCH  
VETERINARY PATHOLOGY-VET  
HAYNES, JOSEPH                                                                                                                                                                                                                                                         | $28,836 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS)             | Haynes, Joseph                                                       | 10/01/11   | 09/30/12 | RESEARCH SUPPORT AGREEMENT  
HAYNES, JOSEPH  
VETERINARY PATHOLOGY-VET                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 116739 | RESEARCH SUPPORT AGREEMENT  
10/1/11 to 9/30/12 RESEARCH  
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET  
WANNEMUEHLER, MICHAEL                                                                                                                                                                                                                                                   | $28,674 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS)             | Wannemuehler, Michael                                               | 10/01/11   | 09/30/12 | RESEARCH SUPPORT AGREEMENT  
WANNEMUEHLER, MICHAEL  
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 116738 | RESEARCH SUPPORT AGREEMENT  
10/1/11 to 9/30/12 RESEARCH  
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET  
WANNEMUEHLER, MICHAEL                                                                                                                                                                                                                                                   | $28,028 | USDA-AGRICULTURAL RESEARCH SERVICES (ARS)             | Wannemuehler, Michael                                               | 10/01/11   | 09/30/12 | RESEARCH SUPPORT AGREEMENT  
WANNEMUEHLER, MICHAEL  
VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 96785  | COARSE-GRAINED MODELS OF PROTEINS  
1/1/11 to 12/31/12 RESEARCH  
BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES  
JERNIGAN, ROBERT                                                                                                                                                                                                                                                | $28,028 | NIH-NATIONAL INSTITUTES OF HEALTH                    | Jernigan, Robert                                                    | 01/01/11   | 12/31/12 | COARSE-GRAINED MODELS OF PROTEINS  
JERNIGAN, ROBERT  
BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$27,000 UNIVERSITY OF KENTUCKY
97131 CYFERNET EARLY CHILDHOOD EDITORIAL BOARD
6/1/11 to 5/31/12 EXTENSION/PUBLIC
OESTERREICH, LESIA HUMAN DEVELOPMENT & FAMILY STUDIES-EXT

$26,500 DOD-OFFICE OF NAVAL RESEARCH (ONR)
97671 TOWARDS SECURE AND PRIVACY-PRESERVING DEPLOYMENT AND ACCESS OF LARGE TACTICAL SENSOR NETWORKS
6/1/09 to 5/31/12 RESEARCH
ZHANG, WENSHENG COMPUTER SCIENCE-LAS

$25,743 NIH-NATIONAL INSTITUTES OF HEALTH
94191 NEUROINFLAMMATORY MECHANISMS IN THE PROGRESSION OF PARKINSONS DISEASE
2/1/11 to 1/31/12 RESEARCH
KANTHASAMY, ARTHI BIOMEDICAL SCIENCES-VET
KANTHASAMY, ANUMANTHA BIOMEDICAL SCIENCES-VET

$25,556 CLINTON COUNTY AGRICULTURAL EXTENSION DISTRICT
116009 EXPANDING 4-H YOUTH DEVELOPMENT IN CLINTON COUNTY
9/1/11 to 6/30/13 EXTENSION/PUBLIC
MORRIS, JOHN EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$25,000 TOYOTA MOTOR NORTH AMERICA INC
106202 BIOBASED INDUSTRY CENTER
7/1/11 to 12/31/11 MISCELLANEOUS
BUSHNELL, JAMES ECONOMICS-AES/CALS

$25,000 UNIVERSITY OF IOWA
116041 IMPROVED MESOSCALE MODEL RAINFALL FORECASTS FOR FLOOD FORECASTING AT THE IOWA FLOOD CENTER
7/1/10 to 6/30/12 RESEARCH
GALLUS, WILLIAM GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
## I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<td>4/10/09 - 8/15/12</td>
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<td>$23,784 IOWA DEPARTMENT OF AGRICULTURE &amp; LAND STEWARDSHIP VIRTUAL FIELD DAYS: DEVELOPING WEB-BASED RESOURCES TO ENHANCE COMPETITIVENESS OF IOWA FRUIT AND VEGETABLE GROWERS 10/1/11 to 9/30/13 EXTENSION/PUBLIC GLEASON, MARK PLANT PATHOLOGY-EXT</td>
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<td>$22,464 USDA-AGRICULTURAL RESEARCH SERVICES (ARS) RESEARCH SUPPORT AGREEMENT 10/1/11 to 9/30/12 RESEARCH LAMKEY, KENDALL AGRONOMY-AES/CALS</td>
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# I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

## October 01 - 31, 2011

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<th>Agreement Number</th>
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<td>104620</td>
<td>A 21ST CENTURY REVITALIZED RESEARCH AND RESEARCH TRAINING INFRASTRUCTURE FOR CHEMICAL AND BIOLOGICAL ENGINEERING</td>
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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

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<td>116475</td>
<td>2011 EVALUATION OF BECKER UNDERWOOD EXPERIMENTAL TURFGRASS SEED TREATMENTS</td>
<td>$13,800</td>
<td>9/24/11 to 12/31/11</td>
<td>CHRISTIANS, NICK HORTICULTURE-AES/CALS</td>
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<td>116978</td>
<td>RESEARCH SUPPORT AGREEMENT</td>
<td>$12,924</td>
<td>10/1/11 to 9/30/12</td>
<td>BLODGETT, SUE ENTOMOLOGY-AES/CALS</td>
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<td>116280</td>
<td>BRAND STRATEGY FOR DES MOINES/AMES CORRIDOR</td>
<td>$12,500</td>
<td>9/23/11 to 11/18/11</td>
<td>RINGHOLZ, DAVID SATTERFIELD, DEBRA ART &amp; DESIGN-DSN</td>
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<td>115017</td>
<td>SOYBEAN APHID EFFICACY EVALUATION</td>
<td>$11,000</td>
<td>5/23/11 to 12/26/11</td>
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<td>115208</td>
<td>THE EVERETT CASEY NATURE CENTER AND RESERVE RECONSTRUCTION PROJECT: RESEARCH EXPERIMENTATION AND EDUCATIONAL OUTREACH</td>
<td>$11,000</td>
<td>10/13/11 to 6/30/12</td>
<td>HARPOLE, WILLIAM SULLIVAN, LAUREN ECOLOGY, EVOLUTION &amp; ORGANISMAL BIOLOGY-LAS</td>
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### GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

**October 01 - 31, 2011**

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<td>DOD-AIR FORCE RESEARCH LABORATORY (AFRL)</td>
<td>BRASCHE, LISA</td>
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<td>116061</td>
<td>9/1/11 to 8/31/12</td>
<td>IOWA STATE UNIVERSITY EXTENSION AND OUTREACH PESTICIDE SAFETY EDUCATION PROGRAM FOR FY 2011</td>
<td>$10,000</td>
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<td>116479</td>
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<td>SUPPORT FOR STUDENT PARTICIPATION IN CAMSAP2011</td>
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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$6,500 AMERICAN JERSEY CATTLE ASSOCIATION
115654 A RAPID, ON-FARM METHOD TO DETERMINE QUALITY OF COLOSTRUM FROM JERSEY CATTLE
10/1/11 to 6/30/12 RESEARCH
TYLER, HOWARD ANIMAL SCIENCE-AES/CALS
$6,480 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
116758 RESEARCH SUPPORT AGREEMENT
10/1/11 to 9/30/12 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS
$6,000 AJINOMOTO USA INC
116367 TURFGRASS FIELD TRIALS-2012
9/15/11 to 12/31/12 RESEARCH
CHRISTIANS, NICK HORTICULTURE-AES/CALS
$6,000 CADSON INTERNATIONAL INC DBA GENNEXT COMPLETE
116453 EVALUATION GENNEXT PRODUCTS FOR WEED CONTROL AND DISEASE PREVENTION IN TURF
3/31/12 to 12/31/12 RESEARCH
CHRISTIANS, NICK HORTICULTURE-AES/CALS
$5,940 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)
116756 RESEARCH SUPPORT AGREEMENT
10/1/11 to 9/30/12 RESEARCH
LAMKEY, KENDALL AGRONOMY-AES/CALS
$5,000 UNION PACIFIC CORPORATION
114446 NSF/I/CRC CENTER FOR INFORMATION PROTECTION-UNION PACIFIC 011
1/1/11 to 12/31/11 RESEARCH
JACOBSON, DOUG ELECTRICAL & COMPUTER ENGINEERING-ENGR
### I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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<tr>
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$2,500  OPX BIOTECHNOLOGIES INC
116628  CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

9/12/11  to  9/11/12  RESEARCH
SHANKS, BRENT  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

$1,500  BLACK HAWK COUNTY EXTENSION
116566  LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM

9/11/11  to  8/31/12  EXTENSION/PUBLIC
TALLMAN, KELI  EXTENSION 4-H YOUTH DEVELOPMENT-EXT

$1,336  USDA-FARM SERVICE AGENCY (FSA)
116422  PHASE 1 ARCHAEOLOGICAL SURVEY IN PLYMOUTH COUNTY

9/20/11  to  12/31/11  EXTENSION/PUBLIC
HILL, MATTHEW  ANTHROPOLOGY-LAS

$1,336  USDA-FARM SERVICE AGENCY (FSA)
116423  PHASE 1 ARCHAEOLOGICAL SURVEY IN EMMET COUNTY

9/20/11  to  12/31/11  EXTENSION/PUBLIC
HILL, MATTHEW  ANTHROPOLOGY-LAS

$1,260  IOWA DEPARTMENT OF PUBLIC HEALTH
115248  1-800 BETS OFF: IOWA GAMBLING TREATMENT PROGRAM HELPLINE

7/1/11  to  12/31/11  EXTENSION/PUBLIC
VANGINKEL, MARGARET  EXTENSION TO FAMILIES-EXT

$1,000  MICHIGAN STATE UNIVERSITY
115130  NORTH CENTRAL REGIONAL AQUACULTURE CENTER EXTENSION PROJECT

9/1/11  to  8/31/12  INSTRUCTION/TRAINING
MORRIS, JOSEPH  NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS
I. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

$1,000  ALLYLIX INC

116649  CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

9/16/11 to 9/15/12  RESEARCH
SHANKS, BRENT  CHEMICAL & BIOLOGICAL ENGINEERING-ENGR