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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

404

\$5,343,427	DOE-U.S. DEPARTMENT OF ENERGY			4012501
93016	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY			
	11/1/08 to 12/31/15	RESEARCH		
	KING, ALEXANDER		AMES LABORATORY	
\$1,739,151	DOE-U.S. DEPARTMENT OF ENERGY			4012009
116980	IMPROVED POWER SYSTEM OPERATIONS USING ADVANCED STOCHASTIC OPTIMIZATION			
	2/24/12 to 2/23/14	RESEARCH		
	RYAN, SARAH		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	TESFATSION, LEIGH		ECONOMICS-LAS	
CO-PI	ALIPRANTIS, DIONYSIOS		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$931,000	DOE-U.S. DEPARTMENT OF ENERGY			4012121
99177	INVESTIGATIONS IN EXPERIMENTAL AND THEORETICAL HIGH ENERGY PHYSICS			
	11/1/00 to 10/31/12	RESEARCH		
	KRENNRICH, FRANK		PHYSICS & ASTRONOMY-LAS	
\$843,748	IOWA DEPARTMENT OF TRANSPORTATION			4747804
118045	IOWA DOT ENGINEERING INTERN DEVELOPMENT AND MANAGEMENT PROGRAM			
	2/21/12 to 10/31/12	RESEARCH		
	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	ALLEMAN, JAMES		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$782,317	NORTH CAROLINA STATE UNIVERSITY			4003913
118261	DAIRY RECORDS MANAGEMENT SYSTEM			
	5/1/12 to 4/30/13	EXTENSION/PUBLIC		
	HOGBERG, MAYNARD		ANIMAL SCIENCE-EXT	
CO-PI	PALAS, GREGORY		ANIMAL SCIENCE-EXT	
\$770,451	SBA-U.S. SMALL BUSINESS ADMINISTRATION			4350823
115657	FY 2012 SBA COOPERATIVE AGREEMENT			
	10/1/11 to 9/30/12	EXTENSION/PUBLIC		
	HECKMANN, JAMES		BUSINESS ADMINISTRATION-BUS	

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\$700,000 ALLIANCE FOR SUSTAINABLE ENERGY LLC-NATIONAL RENEWABLE ENERGY LABORATORY

4441701

104478 NATIONAL ADVANCED BIOFUELS CONSORTIUM

7/9/10 to 9/30/13 RESEARCH

CO-PI BROWN, ROBERT MECHANICAL ENGINEERING-ENGR
CO-PI SHANKS, BRENT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR
CO-PI BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI DARR, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$639,264 IOWA DEPARTMENT OF TRANSPORTATION

4747755

118212 TRAFFIC DATA COLLECTION AND EVALUATION

3/1/12 to 10/31/12 RESEARCH

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

\$515,000 NATIONAL ACADEMIES

4281718

117624 ROADWAY INFORMATION DATABASE DEVELOPMENT AND TECHNICAL COORDINATION AND QUALITY ASSURANCE OF THE MOBILE DATA COLLECTION PROJECT (S04B)

4/28/10 to 12/31/13 RESEARCH

CO-PI SMADI, OMAR INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$466,000 USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)

4164090

115041 DISSECTING THE NETWORK OF PLANT TARGETS FOR NEMATODE EFFECTOR PROTEINS

4/1/12 to 3/31/14 RESEARCH

BAUM, THOMAS PLANT PATHOLOGY-AES/CALS

\$347,923 IOWA DEPARTMENT OF NATURAL RESOURCES

4734201

118466 LEOPOLD CENTER SUPPORT

10/1/11 to 6/30/12 RESEARCH

HONEYMAN, MARK LEOPOLD CENTER-AES/CALS

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\$339,529 UNIVERSITY OF CALIFORNIA DAVIS

4004123

111852 SUSTAINABLE EGG PRODUCTION: ANIMAL WELFARE, HUMAN HEALTH, ENVIRONMENTAL AND ECONOMIC ASPECTS

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

XIN, HONGWEI AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$295,008 NSF-NATIONAL SCIENCE FOUNDATION

4206099

116418 TOPOLOGICAL ELECTROMAGNETIC SENSORS

7/1/12 to 6/30/15 RESEARCH

XIU, FAXIAN ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$288,000 IOWA DEPARTMENT OF NATURAL RESOURCES

4733038

117555 EDUCATIONAL PROGRAM ON FLOODPLAINS, FLOOD RISKS, AND BASIC FLOODPLAIN MANAGEMENT PRINCIPLES

2/21/12 to 12/31/13 EXTENSION/PUBLIC

TAYLOR, GARY COMMUNITY & REGIONAL PLANNING-EXT

CO-PI JOHNSTON, DOUGLAS COMMUNITY & REGIONAL PLANNING-DSN

\$279,364 NIH-NATIONAL INSTITUTES OF HEALTH

4304626

98874 STRATEGIES OF LENTIVIRUS PERSISTENCE

2/1/12 to 1/31/13 RESEARCH

CARPENTER, SUSAN ANIMAL SCIENCE-AES/CALS

CO-PI DORMAN, KARIN STATISTICS-LAS

\$262,761 MEDICAL COLLEGE OF WISCONSIN

4041718

118097 NEUROPROTECTION BY MITOCHONDRIA-TARGETED ANTIOXIDANTS

2/1/12 to 1/31/13 RESEARCH

KANTHASAMY, ANUMANATHA BIOMEDICAL SCIENCES-VET

\$230,000 NSF-NATIONAL SCIENCE FOUNDATION

4206157

104276 UNCOVERING NOVEL SIGNALING INTERACTIONS IN PLANT METABOLIC NETWORKS

4/1/10 to 3/31/14 RESEARCH

WURTELE, EVE GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS

CO-PI LI, LING PLANT SCIENCES INSTITUTE-VPR/ED

CO-PI SEN, TANER GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

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\$224,068 UNIVERSITY OF CALIFORNIA BERKELEY 4044033

116077 GENETIC MECHANISMS REGULATING INFLORESCENCE ARCHITECTURE IN MAIZE AND RELATED CEREALS

8/1/06 to 7/31/12 RESEARCH
VOLLBRECHT, ERIK GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

\$183,556 VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY 4046005

113414 TESTING AND RECOMMENDED BEST PRACTICES FOR NURSE TANK SAFETY

10/13/10 to 2/28/13 RESEARCH
RUSSELL, ALAN MATERIALS SCIENCE & ENGINEERING-ENGR
CO-PI CHUMBLEY, LEONARD MATERIALS SCIENCE & ENGINEERING-ENGR

\$182,000 CRAY INC 4002166

117917 PROJECTS IN HIGH PERFORMANCE COMPUTING

1/1/12 to 12/31/12 RESEARCH
LUECKE, GLENN MATHEMATICS-LAS

\$178,557 NSF-NATIONAL SCIENCE FOUNDATION 4206201

115411 CAREER: ARCHITECTURAL SUPPORT FOR CPU/GPU HYBRIDIZATION

4/1/12 to 3/31/17 RESEARCH
ZAMBRENO, JOSEPH ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$164,749 COLORADO STATE UNIVERSITY 4004284

113211 MOLECULAR MOSQUITOCIDES: INNOVATIVE AND SUSTAINABLE CONTROL OF MALARIA VECTORS

7/1/11 to 6/30/14 RESEARCH
BARTHOLOMAY, LYRIC ENTOMOLOGY-AES/CALS

\$139,066 DOD-ARMY 4212018

107355 CHARGE DENSITY ENGINEERING: A FEASIBILITY STUDY

9/1/10 to 2/28/13 RESEARCH
RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR

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408

\$124,085 MICHIGAN STATE UNIVERSITY

4042852

117504 TEACHERS EMPOWERED TO ADVANCE CHANGE IN MATHEMATICS (TEACH MATH)-EVALUATION

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

ANDERSON, MARY RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS
CO-PI ANDREOTTI, ALEJANDRO CURRICULUM & INSTRUCTION-HS

\$121,519 BROOKHAVEN SCIENCE ASSOCIATES-BROOKHAVEN NATIONAL LABORATORY

4042101

117135 THE US ATLAS ANALYSIS SUPPORT

5/18/09 to 9/30/12 RESEARCH

COCHRAN, JAMES PHYSICS & ASTRONOMY-LAS

\$120,000 ALPHASENSE INC

4046503

116528 A COMPACT, LOW COST, HANDHELD SENSOR FOR NONDESTRUCTIVE MATERIAL CASE DEPTH VERIFICATION

12/19/11 to 11/22/13 RESEARCH

BOWLER, JOHN ELECTRICAL & COMPUTER ENGINEERING-ENGR

\$115,314 UNIVERSITY OF IOWA

4041773

88731 EXAMINATION OF GENETIC AND GXE EFFECTS IN THE FAMILY AND COMMUNITY HEALTH STUDIES

7/1/08 to 1/31/13 RESEARCH

CUTRONA, CAROLYN PSYCHOLOGY
CO-PI RUSSELL, DANIEL HUMAN DEVELOPMENT & FAMILY STUDIES-HS

\$90,000 UNITED TECHNOLOGIES RESEARCH CENTER

4002086

118032 DEVELOPMENT OF ULTRASONIC INSPECTION FOR NEXT GENERATION ALLOY DISK SONIC SHAPES

2/1/12 to 7/31/12 RESEARCH

BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI ROBERTS, RONALD CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI MARGETAN, FRANK CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI WLEZIEN, RICHARD AEROSPACE ENGINEERING-ENGR

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409

\$87,998 VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY

4046011

116433 TESTING AND RECOMMENDED BEST PRACTICES FOR NURSE TANK SAFETY

9/29/11 to 2/28/13 RESEARCH

RUSSELL, ALAN MATERIALS SCIENCE & ENGINEERING-ENGR
CO-PI CHUMBLEY, LEONARD MATERIALS SCIENCE & ENGINEERING-ENGR

\$85,349 IOWA DEPARTMENT OF TRANSPORTATION

4747802

118244 ASSET MANAGEMENT PROGRAM ENHANCEMENT PLAN: BASELINE ASSESSMENT

3/15/12 to 6/30/13 RESEARCH

GRANSBERG, DOUGLAS CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI NAMBISAN, SHASHI CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR

\$69,127 SOUTHERN ILLINOIS UNIVERSITY

4004288

115038 IDENTIFICATION AND BIOLOGY OF SEEDLING PATHOGENS OF SOYBEAN

10/1/11 to 9/15/12 RESEARCH

LEANDRO, LEONOR PLANT PATHOLOGY-AES/CALS
CO-PI MUNKVOLD, GARY PLANT PATHOLOGY-AES/CALS
CO-PI ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS

\$68,250 NATIONAL PORK BOARD

4534048

117067 RELATIONSHIP OF FAT QUALITY TO MEAT AND EATING QUALITY TRAITS OF PORK

5/1/12 to 4/30/13 RESEARCH

BAAS, THOMAS ANIMAL SCIENCE-AES/CALS
CO-PI BEITZ, DONALD ANIMAL SCIENCE-AES/CALS

\$62,591 UNIVERSITY OF COLORADO BOULDER

4041739

113705 NCHRP 10-83 ALTERNATIVE QUALITY MANAGEMENT SYSTEMS FOR HIGHWAY CONSTRUCTION

8/19/10 to 11/18/12 RESEARCH

GRANSBERG, DOUGLAS CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

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\$55,911	MISSOURI BOTANICAL GARDEN		4046104
113628	DIGITIZATION TCN: COLLABORATIVE RESEARCH: TRITROPHIC DATABASING INITIATIVE		
	1/1/12 to 12/31/14	RESEARCH	
	LEWIS, DEBORAH	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	CLARK, LYNN	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$54,265	NATIONAL PORK BOARD		4532002
117099	OCCURRENCE AND MOVEMENT OF ANTIBIOTICS, ANTIBIOTIC RESISTANT BACTERIA AND RESISTANCE GENES IN TILE-DRAINED AGRICULTURAL FIELDS RECEIVING SWINE MANURE APPLICATION		
	4/1/12 to 3/31/13	RESEARCH	
	SOUPIR, MICHELLE	AGRICULTURAL & BIOSYSTEMS ENGINEERING-ENGR	
CO-PI	MOORMAN, THOMAS	AGRONOMY-AES/CALS	
CO-PI	HELMERS, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT	
\$51,843	NATIONAL PORK BOARD		4532341
117097	GENERATING SWINE INFLUENZA VIRUS (SIV) ORAL FLUID DIAGNOSTIC REFERENCE STANDARDS FOR COMMUNITY USE		
	5/1/12 to 4/30/13	RESEARCH	
	ZIMMERMAN, JEFFREY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$50,744	SOUTHERN ILLINOIS UNIVERSITY		4004285
116057	DEVELOPING A COMPREHENSIVE MANAGEMENT PROGRAM FOR FOLIAR DISEASES OF SOYBEAN		
	10/1/11 to 9/30/12	RESEARCH	
	YANG, XIAO	PLANT PATHOLOGY-AES/CALS	
\$50,400	IOWA DEPARTMENT OF EDUCATION		4722802
117822	TEACHER PERFORMANCE ASSESSMENT CONSORTIUM		
	10/19/11 to 6/30/13	INSTRUCTION/TRAINING	
	SMITH, CARL	CURRICULUM & INSTRUCTION-HS	
\$50,000	KANSAS STATE UNIVERSITY		4103088
117347	IOWA OPERATION MILITARY KIDS CAMP 2012		
	2/1/12 to 8/31/12	EXTENSION/PUBLIC	
	MORRIS, JOHN	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	SCHMIDT, VICTORIA	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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\$50,000	KANSAS STATE UNIVERSITY			4103088
117347	IOWA OPERATION MILITARY KIDS CAMP 2012			
	2/1/12 to 8/31/12	EXTENSION/PUBLIC		
CO-PI	PARKER, ABIGAIL		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$50,000	NSF-NATIONAL SCIENCE FOUNDATION			4204022
118223	NOVEL BIO-BASED CHEMICAL FEEDSTOCKS FOR THE POLYMER INDUSTRY			
	3/15/12 to 8/31/12	RESEARCH		
CO-PI	NIKOLAU, BASIL		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	
CO-PI	KEELING, PETER		NSF ENGINEERING RESEARCH CENTER FOR BIORENEWABLE CHEMICALS-ENGR	
CO-PI	GARG, SHIVANI		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	
\$49,242	NIH-NATIONAL INSTITUTES OF HEALTH			4304627
107665	STRATEGIES OF LENTIVIRUS PERSISTENCE			
	2/1/12 to 1/31/13	RESEARCH		
CO-PI	CARPENTER, SUSAN		ANIMAL SCIENCE-AES/CALS	
CO-PI	DORMAN, KARIN		STATISTICS-LAS	
\$48,024	CEDAR COUNTY ECONOMIC DEVELOPMENT COMMISSION			4003080
118086	LEADERSHIP AND ECONOMIC DEVELOPMENT FOR CEDAR COUNTY			
	2/15/12 to 6/30/13	EXTENSION/PUBLIC		
CO-PI	BORICH, TIMOTHY		COMMUNITY & REGIONAL PLANNING-EXT	
CO-PI	OWEN, ROBERT		EXTENSION ADMINISTRATION-EXT	
\$46,935	METABOLIC TECHNOLOGIES INC			4042853
116832	NUTRITION INTERVENTION FOR AGE RELATED MUSCULAR FUNCTION AND STRENGTH LOSSES			
	1/1/12 to 12/31/12	RESEARCH		
	SHARP, RICKEY		KINESIOLOGY-HS	
\$45,000	WEIDEMANN ASSOCIATES INC			4043023
116390	STRENGTHENING VALUE CHAINS FOR MAIZE AND SOYBEANS FOR UGANDAN WOMEN FARMERS			
	2/1/12 to 1/31/13	EXTENSION/PUBLIC		
CO-PI	HANSEN, RAYMOND		VALUE ADDED AGRICULTURE-EXT	
CO-PI	WESTGATE, MARK		AGRONOMY-AES/CALS	

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\$45,000 WEIDEMANN ASSOCIATES INC

4043023

116390 STRENGTHENING VALUE CHAINS FOR MAIZE AND SOYBEANS FOR UGANDAN WOMEN FARMERS

2/1/12 to 1/31/13 EXTENSION/PUBLIC

CO-PI SMITH, MARGARET VALUE ADDED AGRICULTURE-EXT

CO-PI NAEVE, LINDA VALUE ADDED AGRICULTURE-EXT

\$42,088 TEXAS TECH UNIVERSITY

4004230

117633 ESTABLISHING BEDDING AND BOARDING REQUIREMENTS FOR FINISHER PIGS THROUGH SCIENTIFIC VALIDATION-MACRO-STUDY

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

BUTTERS-JOHNSON, ANNA ANIMAL SCIENCE-AES/CALS

\$42,030 HARVEST INNOVATIONS

4006549

118136 PROCESSING IDENTITY PRESERVED SOY PROTEIN CONCENTRATES AND ISOLATES FROM FOOD GRADE SOYBEANS

3/1/12 to 12/31/12 RESEARCH

JOHNSON, LAWRENCE FOOD SCIENCE & HUMAN NUTRITION-AES/CALS

CO-PI KRAUS, GEORGE CHEMISTRY-LAS

\$42,000 IOWA DEPARTMENT OF NATURAL RESOURCES

4734253

115548 IOWA BREEDING BIRD ATLAS PROJECT COMPLETION

4/2/12 to 12/14/12 RESEARCH

DINSMORE, STEPHEN NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

\$37,379 NASA-NATIONAL AERONAUTICS & SPACE ADMINISTRATION

4222112

113804 CONTINUED PHOTOMETRY OF A VARIABLE HOT SUBDWARF STAR IN NGC 6791

1/15/12 to 1/14/13 RESEARCH

KAWALER, STEVEN PHYSICS & ASTRONOMY-LAS

\$36,408 AUBURN UNIVERSITY

4001751

118014 BUILDING ACCURATE HISTORIC AND FUTURE CLIMATE MEPDG INPUT FILES FOR LOUISIANA DOTD

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

TAKLE, GENE AGRONOMY-AES/CALS

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\$36,000	IOWA SOYBEAN ASSOCIATION			4504229
118067	TOXIN ENGINEERING FOR APHID RESISTANT TRANSGENIC PLANTS			
	2/1/12 to 1/31/13	RESEARCH		
	BONNING, BRYONY		ENTOMOLOGY-AES/CALS	
\$35,475	NATIONAL PORK BOARD			4532361
117110	IDENTIFYING BEST OPERATION PROCEDURES FOR CO2 GAS EUTHANASIA OF SUCKLING AND NURSERY AGE PIGS-EFFECTS OF HEALTH STATUS AND STOCKING DENSITY			
	5/1/12 to 4/30/13	RESEARCH		
	MILLMAN, SUZANNE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$35,000	IOWA DEPARTMENT OF TRANSPORTATION			4741794
118237	TTCC (TECHNOLOGY TRANSFER CONCRETE CONSORTIUM)			
	1/1/08 to 6/30/13	RESEARCH		
	CO-PI CACKLER, ELLS		INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$33,773	NIH-NATIONAL INSTITUTES OF HEALTH			4302110
107257	REGULATION OF CHROMATIN STRUCTURE AND GENE EXPRESSION BY H3S10 PHOSPHORYLATION			
	1/1/12 to 12/31/12	RESEARCH		
	CO-PI JOHANSEN, KRISTEN		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
	CO-PI JOHANSEN, JORGEN		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS	
	CO-PI GIRTON, JACK		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	
\$31,137	DMJ BIOTECH CORP			4004359
117957	EFFECT OF DIETARY BETA-GLUCAN ON THE PERFORMANCE OF LIVE BROILERS AND THE QUALITY OF BROILER BREAST MEAT			
	4/1/12 to 3/31/13	RESEARCH		
	AHN, DONG		ANIMAL SCIENCE-AES/CALS	
\$30,799	NIH-NATIONAL INSTITUTES OF HEALTH			4306601
96785	COARSE-GRAINED MODELS OF PROTEINS			
	1/1/12 to 12/31/12	RESEARCH		
	JERNIGAN, ROBERT		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS	

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\$29,177	UNIVERSITY OF NORTHERN IOWA		4043016
117313	IOWA SPACE GRANT CONSORTIUM AUGMENTATION TO PROGRAM		
	5/17/11 to 8/31/12	EXTENSION/PUBLIC	
	STAKER, JAY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	FUCHS, CARMEN	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$25,000	TOYOTA MOTOR NORTH AMERICA INC		4001747
106202	BIOBASED INDUSTRY CENTER		
	1/1/12 to 6/30/12	MISCELLANEOUS	
	BABCOCK, BRUCE	ECONOMICS-AES/CALS	
\$25,000	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY		4046011
116433	TESTING AND RECOMMENDED BEST PRACTICES FOR NURSE TANK SAFETY		
	9/29/11 to 2/28/13	RESEARCH	
	RUSSELL, ALAN	MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	CHUMBLEY, LEONARD	MATERIALS SCIENCE & ENGINEERING-ENGR	
\$25,000	UNITED TECHNOLOGIES RESEARCH CENTER		4002529
118025	TECHNOLOGY ASSESSMENT OF NDE TECHNIQUES APPLICABLE TO FIELD USAGE		
	3/1/12 to 4/30/12	RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	BARNARD, DAN	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$25,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		4194022
118320	DESIGN AND ANALYSIS OF NESTED ASSOCIATION MAPPING POPULATIONS IN SOYBEAN		
	3/6/12 to 3/31/12	RESEARCH	
	BEAVIS, WILLIAM	AGRONOMY-AES/CALS	
\$24,455	EASTERN IOWA COMMUNITY COLLEGE DISTRICT		4104090
118293	INCREASING THE NUMBER OF AGRICULTURE-BASED RENEWABLE ENERGY TECHNICIANS PROGRAM THROUGH THE DEVELOPMENT OF AN AGRICULTURE-BASED RENEWABLE ENERGY CENTER PROGRAM WITHIN EASTERN IOWA		
	2/1/12 to 8/15/12	INSTRUCTION/TRAINING	
	PAULSEN, THOMAS	AGRICULTURAL EDUCATION & STUDIES-AES/CALS	
CO-PI	COLLETTI, JOE	AGRICULTURE ADMINISTRATION-AES/CALS	

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\$24,015 USDA-AGRICULTURAL RESEARCH SERVICES (ARS)

4194021

118314 SOCIAL NETWORK ANALYSIS OF BIOFUEL VALUE CHAINS

1/1/12 to 12/31/12 RESEARCH
FLORA, CORNELIA SOCIOLOGY-AES/CALS

\$22,500 IOWA DEPARTMENT OF NATURAL RESOURCES

4733018

117996 COMMUNITY ASSESSMENTS: KEY COMPONENTS TO SUCCESSFUL COMMUNITY-BASED WATERSHED IMPROVEMENT PROJECTS

12/15/11 to 6/30/13 EXTENSION/PUBLIC

COMITO, JACQUELINE SOCIOLOGY-EXT
CO-PI STAUDT, ANN AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT
CO-PI HELMERS, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT

\$22,118 NATIONAL PORK BOARD

4534047

117036 AIR MANAGEMENT PRACTICES ASSESSMENT TOOL-A PRODUCER GUIDE TO COMPARING MITIGATION STRATEGIES

5/1/12 to 4/30/13 EXTENSION/PUBLIC

HARMON, JAY AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI RIECK-HINZ, ANGELA AGRONOMY-AES/CALS
CO-PI HOFF, STEVEN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$20,615 CORNELL UNIVERSITY

4042163

118188 GENOMIC ANALYSES OF SHOOT MERISTEM FUNCTION IN MAIZE

9/1/09 to 8/31/12 RESEARCH

NETTLETON, DANIEL STATISTICS-LAS
CO-PI LAWRENCE, CAROLYN GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS

\$20,360 DUCKS UNLIMITED CANADA

4004347

118369 SPATIAL ANALYSIS OF WATERFOWL AND PREDATOR INTERACTION

3/30/12 to 3/31/13 RESEARCH

DIXON, PHILIP STATISTICS-AES/CALS
CO-PI CLARK, WILLIAM ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS

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\$20,000	CHEVRON PHILLIPS CHEMICAL COMPANY LLC			4007205
116579	DIMETHYL PYROLE SYNTHESIS FROM HMF			
	10/10/10 to 3/31/12	RESEARCH		
	SHANKS, BRENT		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$20,000	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN			4103911
117409	MIDWEST WEATHER WORKING GROUP			
	3/1/12 to 2/28/13	EXTENSION/PUBLIC		
	GLEASON, MARK		PLANT PATHOLOGY-EXT	
\$19,996	IOWA DEPARTMENT OF EDUCATION			4722803
117094	READING FIRST DATA COLLECTION			
	3/1/12 to 2/28/13	RESEARCH		
	PHYE, GARY		CURRICULUM & INSTRUCTION-HS	
	CO-PI DELAMORA, ARLENE		CURRICULUM & INSTRUCTION-HS	
\$18,878	OHIO STATE UNIVERSITY			4104201
108476	DETERMINING THE DISTRIBUTION AND PEST STATUS OF THE TROCHANTER MEALYBUG, PSEUDOCOCCUS SORGHIELLUS (FORBES), ON SOYBEAN			
	9/1/10 to 8/31/12	RESEARCH		
	HODGSON, ERIN		ENTOMOLOGY-AES/CALS	
\$17,250	PIONEER HI-BRED INTERNATIONAL INC			4004876
118163	CORN PESTS RESEARCH PROJECT			
	4/1/11 to 6/1/13	RESEARCH		
	GASSMANN, AARON		ENTOMOLOGY-AES/CALS	
	CO-PI WEBER, PATRICK		ENTOMOLOGY-AES/CALS	
\$16,943	DIREVO INDUSTRIAL BIOTECHNOLOGY GMBH			4004358
118108	ENZYME MODIFICATION OF WHOLE BEER TO PRODUCE VALUE-ADDED DDGS; PHASE I: LABORATORY AND SMALL PILOT-SCALE INVESTIGATIONS			
	3/1/12 to 8/31/12	RESEARCH		
	JOHNSON, LAWRENCE		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
	CO-PI WANG, TONG		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
	CO-PI WANG, HUI		CENTER FOR CROPS UTILIZATION RESEARCH-AES/CALS	

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\$15,000 NSF-NATIONAL SCIENCE FOUNDATION

4204067

117249 LTREB: LONG-TERM RESEARCH ON ENVIRONMENTAL GENDER DETERMINATION IN A MODEL SYSTEM (CHRYSEMYS): THE NEXT FIVE YEARS
3/6/12 to 2/28/13 RESEARCH
JANZEN, FREDRIC ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS

\$14,740 DOD-IOWA ARMY NATIONAL GUARD

4784013

118367 NATURAL RESOURCE INVENTORY AND UPDATE
2/27/12 to 12/31/12 RESEARCH
MCMULLEN, CATHERINE NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

\$14,684 NSF-NATIONAL SCIENCE FOUNDATION

4202192

117892 14TH BIENNIAL MOLECULAR AND CELLULAR BIOLOGY OF THE SOYBEAN CONFERENCE
3/15/12 to 2/28/13 SCHOLARSHIP
MACINTOSH, GUSTAVO BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

\$14,000 NORTHERN ILLINOIS UNIVERSITY

4044036

117557 CONVERSION OF ALGAL-BASED SUBSTRATES INTO BIODIESEL FUEL
11/15/11 to 6/30/12 RESEARCH
ROSENTRATER, KURT AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$12,328 CITY OF OELWEIN, IOWA

4003065

118251 CITY OF OELWEIN COMMUNITY HEALTH NEEDS ASSESSMENT
2/1/12 to 10/30/12 EXTENSION/PUBLIC
BORICH, TIMOTHY COMMUNITY & REGIONAL PLANNING-DSN
CO-PI LADJAHASAN, NORA INSTITUTE FOR DESIGN RESEARCH & OUTREACH-DSN

\$12,000 NSF-NATIONAL SCIENCE FOUNDATION

4206202

118081 SHOCK WAVE INDUCED FREEFORM TECHNIQUE (SWIFT) FOR MANUFACTURING OF DIAMOND MICROTOOLS
5/15/12 to 7/31/13 RESEARCH
MOLIAN, PALANIAPPA MECHANICAL ENGINEERING-ENGR

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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\$12,000	NSF-NATIONAL SCIENCE FOUNDATION			4206503
118311	COLLABORATIVE RESEARCH: ENHANCED IMMERSIVE TECHNOLOGY TO IMPROVE COLLABORATIVE DECISION MAKING			
	7/1/11 to 6/30/14	RESEARCH		
	VANCE, JUDY		MECHANICAL ENGINEERING-ENGR	
\$11,000	IOWA DEPARTMENT OF PUBLIC HEALTH			4783032
118238	IDPH-I WALK PROGRAM (MINI-PROJECTS)			
	3/1/12 to 6/30/12	EXTENSION/PUBLIC		
	SEEGER, CHRISTOPHER		LANDSCAPE ARCHITECTURE-DSN	
\$10,000	MICHIGAN STATE UNIVERSITY			4103912
114350	PROPOSAL FOR INCORPORATING COMMUNITY ISSUES MANAGEMENT WITH PUBLIC ENGAGEMENT AND COMMUNITY DECISION MAKING			
	10/1/11 to 8/31/12	EXTENSION/PUBLIC		
	OTTO, DANIEL		ECONOMICS-AES/CALS	
CO-PI	VAN WYNGARDEN, DIANE		EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT	
CO-PI	SEEGER, CHRISTOPHER		LANDSCAPE ARCHITECTURE-EXT	
\$10,000	UNIVERSITY OF NORTHERN IOWA			4752011
114667	SPACE TECHNOLOGY FOR ROBOTIC AND HUMAN EXPLORATION OF NEAR-EARTH OBJECTS (NEOS)			
	5/17/11 to 6/30/12	RESEARCH		
	WIE, BONG		AEROSPACE ENGINEERING-ENGR	
\$10,000	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIVERSITY			4001738
117823	NSF//UCRC CENTER FOR INFORMATION PROTECTION-VA TECH			
	1/1/12 to 12/31/12	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$10,000	UNIVERSITY OF NORTHERN IOWA			4752503
117940	SENSITIZATION OF LANTHANIDE ION FLUORESCENCE USING NANOCRYSTAL QUANTUM DOTS			
	2/6/12 to 7/31/12	RESEARCH		
	SADOW, AARON		CHEMISTRY-LAS	
CO-PI	CHAUDHARY, SUMIT		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
CO-PI	VELA-BECERRA, JAVIER		CHEMISTRY-LAS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

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\$10,000	UNIVERSITY OF NORTHERN IOWA			4752503
117940	SENSITIZATION OF LANTHANIDE ION FLUORESCENCE USING NANOCRYSTAL QUANTUM DOTS			
	2/6/12 to 7/31/12	RESEARCH		
CO-PI	WINDUS, THERESA		CHEMISTRY-LAS	
\$10,000	FAYETTE COUNTY, KENTUCKY, BOARD OF EDUCATION			4042851
118021	2020 VISION EVALUATION			
	9/15/11 to 9/1/12	RESEARCH		
	ANDERSON, MARY		RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
\$10,000	ALLIANT ENERGY			4002070
118485	EPRC SUPPORT			
	1/1/12 to 12/31/12	MISCELLANEOUS		
	CHRISTY, COLIN		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$8,000	PIONEER HI-BRED INTERNATIONAL INC			4004881
118200	PIONEER HI-BRED INTERNATIONAL LABORATORY BIOASSAY			
	2/21/12 to 2/20/13	RESEARCH		
	GASSMANN, AARON		ENTOMOLOGY-AES/CALS	
\$7,587	ALLAMAKEE COUNTY EXTENSION OFFICE			4103913
113819	NORTHEAST IOWA FOOD AND FITNESS INITIATIVE			
	7/1/11 to 3/31/12	EXTENSION/PUBLIC		
	LEVINGS, JUDITH		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	LANE, DANIEL		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$6,990	NORTH AMERICAN STRAWBERRY GROWERS ASSOCIATION			4004349
116988	CROSS CONTAMINATION OF E.COLI O157:H7 FROM HANDLERS' HANDS TO STRAWBERRIES DURING COLLECTION AND SURVIVABILITY DURING STORAGE			
	3/15/12 to 12/31/12	RESEARCH		
	LAURY, ANGELA		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

420

\$6,875 NSF-NATIONAL SCIENCE FOUNDATION

4207111

118008 REU SUPPLEMENT TO INVESTIGATING GIBBERELLIN PHYTOHORMONE METABOLISM

8/1/09 to 7/31/13 RESEARCH

PETERS, REUBEN BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS

\$5,712 IOWA DEPARTMENT OF PUBLIC HEALTH

4784040

117727 EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)

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

BARTHOLOMAY, LYRIC ENTOMOLOGY-AES/CALS

\$5,566 CEDAR COUNTY AGRICULTURAL EXTENSION DISTRICT

4003081

117979 LEADERSHIP AND ECONOMIC DEVELOPMENT FOR CEDAR COUNTY

2/15/12 to 6/30/13 EXTENSION/PUBLIC

BORICH, TIMOTHY COMMUNITY & REGIONAL PLANNING-EXT
CO-PI OWEN, ROBERT EXTENSION ADMINISTRATION-EXT

\$5,000 BAYER CROP SCIENCE

4003027

115272 CONTROL OF HERBICIDE RESISTANT AND ECONOMICALLY IMPORTANT WEEDS

5/30/11 to 12/31/11 RESEARCH

OWEN, MICHEAL AGRONOMY-AES/CALS

\$3,922 IOWA DEPARTMENT OF NATURAL RESOURCES

4732104

115286 PHASE 1 ARCHAEOLOGICAL SURVEY

7/1/11 to 6/30/12 EXTENSION/PUBLIC

HILL, MATTHEW ANTHROPOLOGY-LAS

\$2,942 NSF-NATIONAL SCIENCE FOUNDATION

4202040

118322 MATERIALS WORLD NETWORK: AN INTERNATIONAL COLLABORATIVE EDUCATIONAL AND RESEARCH PROGRAM IN THE STUDY OF MIXED GLASS FORMER PHENOMENA IN MATERIALS

8/11/10 to 7/31/12 RESEARCH

MARTIN, STEVE MATERIALS SCIENCE & ENGINEERING-ENGR

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

421

\$2,725 WAYNE COUNTY EXTENSION OFFICE

4003061

116679 EXTENSION SUPPORT FOR WAYNE COUNTY GROWING STRONG FAMILIES

7/1/11 to 6/30/12 EXTENSION/PUBLIC

WARNING, JEANNE EXTENSION TO FAMILIES-EXT

CO-PI BRANTNER, KIM EXTENSION TO FAMILIES-EXT

\$2,500 IOWA DEPARTMENT OF EDUCATION

4724001

118268 GOVERNORS COUNCIL ON AGRICULTURAL EDUCATION

2/7/12 to 6/30/12 DEPT/ADMIN SUPPORT

MARTIN, ROBERT AGRICULTURAL EDUCATION & STUDIES-AES/CALS

\$1,900 BECK ENGINEERING INC

4006104

118221 PHASE 1 ARCHAEOLOGICAL SURVEY

2/15/12 to 6/30/12 EXTENSION/PUBLIC

HILL, MATTHEW ANTHROPOLOGY-LAS

\$1,750 DUBUQUE COUNTY EXTENSION OFFICE

4003370

115061 PROGRAM ENHANCEMENTS FOR DUBUQUE COUNTY AND EXTENSION REGION 11

7/1/11 to 6/30/13 EXTENSION/PUBLIC

FRANZ, NANCY EXTENSION TO FAMILIES-EXT

CO-PI WARNING, JEANNE EXTENSION TO FAMILIES-EXT

\$1,512 USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)

4120507

115798 VIRAL HEMORRHAGIC SEPTICEMIA (VHS) EDUCATIONAL WEBSITE MAINTENANCE

4/1/11 to 3/31/12 EXTENSION/PUBLIC

ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

CO-PI DVORAK, GLENDA CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET

\$1,260 USDA-FARM SERVICE AGENCY (FSA)

4122106

118220 PHASE 1 ARCHAEOLOGICAL SURVEY

2/14/12 to 6/30/12 EXTENSION/PUBLIC

HILL, MATTHEW ANTHROPOLOGY-LAS

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

422

\$1,000 FRONTLINE BIOENERGY LLC

4007204

118317 CENTER FOR BIORENEWAL CHEMICALS (CBIRC) MEMBERSHIP

2/27/12 to 2/26/13 RESEARCH

SHANKS, BRENT

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR

\$500 BIOBUSINESS ALLIANCE OF MINNESOTA (BBAM)

4007204

118207 CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

3/22/12 to 3/21/13 RESEARCH

SHANKS, BRENT

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR