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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$1,524,420	DEPARTMENT OF ENERGY		401-25-01
93016	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY		
	11/1/08 to 12/31/11	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$938,043	DEPARTMENT OF AGRICULTURE, NIFA		416-41-05
111177	IMPROVING NUTRIENT UTILIZATION AND FEED EFFICIENCY THROUGH RESEARCH AND EXTENSION TO ENHANCE PIG INDUSTRY SUSTAINABILITY AND COMPETITIVENESS		
	4/1/11 to 3/31/12	RESEARCH	
	PATIENCE, JOHN	ANIMAL SCIENCE-AES/CALS	
CO-PI	MABRY, JOHN	ANIMAL SCIENCE-AES/CALS	
CO-PI	NETTLETON, DANIEL	STATISTICS-LAS	
CO-PI	ROTHSCHILD, MAX	ANIMAL SCIENCE-AES/CALS	
CO-PI	DEKKERS, JACK	ANIMAL SCIENCE-AES/CALS	
CO-PI	GABLER, NICHOLAS	ANIMAL SCIENCE-AES/CALS	
CO-PI	TUGGLE, CHRIS	ANIMAL SCIENCE-AES/CALS	
CO-PI	ANDERSON, LLOYD	ANIMAL SCIENCE-AES/CALS	
CO-PI	LONERGAN, ELISABETH	ANIMAL SCIENCE-AES/CALS	
CO-PI	BUTTERS-JOHNSON, ANNA	ANIMAL SCIENCE-AES/CALS	
CO-PI	LIU, PENG	STATISTICS-LAS	
CO-PI	LONERGAN, STEVEN	ANIMAL SCIENCE-AES/CALS	
\$863,591	NATIONAL INSTITUTES OF HEALTH		430-23-20
107209	CHARACTERIZATION OF IMMUNOGENIC AND STRUCTURAL PROPERTIES OF HIV-1 ENVELOPE		
	5/1/11 to 4/30/12	RESEARCH	
	CHO, MICHAEL	BIOMEDICAL SCIENCES-VET	
\$726,510	DEPARTMENT OF AGRICULTURE, NIFA		416-41-09
108257	BIOFUEL CROPPING SYSTEMS FOR FEEDSTOCK PRODUCTION AND GREENHOUSE GAS MITIGATION		
	4/15/11 to 4/14/14	RESEARCH	
	THOMPSON, MICHAEL	AGRONOMY-AES/CALS	
CO-PI	LIEBMAN, MATTHEW	AGRONOMY-AES/CALS	
CO-PI	CRUSE, RICHARD	AGRONOMY-AES/CALS	
CO-PI	HELMERS, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	HOFMOCKEL, KIRSTEN	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	HORTON, ROBERT	AGRONOMY-AES/CALS	

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\$726,510 DEPARTMENT OF AGRICULTURE, NIFA 416-41-09

108257 BIOFUEL CROPPING SYSTEMS FOR FEEDSTOCK PRODUCTION AND GREENHOUSE GAS MITIGATION

4/15/11 to 4/14/14 RESEARCH
CO-PI MIGUEZ, FERNANDO AGRONOMY-AES/CALS

\$700,000 DEPARTMENT OF AGRICULTURE, NIFA 416-40-76

111180 DEVELOPING VALIDATED AND OBJECTIVE INDUSTRY-READY TOOLS TO ASSESS JOINT PAIN MANIFESTATION AND LAMENESS IN THE SOW

4/15/11 to 4/14/15 RESEARCH
BUTTERS-JOHNSON, ANNA ANIMAL SCIENCE-AES/CALS
CO-PI STALDER, KENNETH ANIMAL SCIENCE-AES/CALS
CO-PI KARRIKER, LOCKE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI MILLMAN, SUZANNE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$466,923 DEPARTMENT OF COMMERCE 426-35-20

107854 IOWA CENTER FOR INDUSTRIAL RESEARCH AND SERVICE

4/1/11 to 6/30/11 EXTENSION/PUBLIC
WILCOX, RUTH CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
CO-PI MILLER, JOANN CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
CO-PI THOMPSON, DEREK CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT

\$432,558 KEMIN INDUSTRIES, LLC 400-42-65

113467 DEVELOPMENT OF P. ALKEKENGI HARVESTER

1/1/11 to 12/31/12 RESEARCH
BIRRELL, STUART AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$430,648 DEPARTMENT OF AGRICULTURE, NIFA 416-40-79

111066 ASSESSMENT OF ALTERNATIVE PRODUCTION SYSTEMS FOR LAYING HENS TO SAFEGUARD ANIMAL WELFARE AND SUSTAINABLE EGG SUPPLY

4/15/11 to 4/14/13 RESEARCH
XIN, HONGWEI AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
CO-PI BREHM-STECHER, BYRON FOOD SCIENCE & HUMAN NUTRITION-HS
CO-PI IBARBURU-BLANC, MARO EGG INDUSTRY CENTER-AES/CALS
CO-PI MILLMAN, SUZANNE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI TANG, LIE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$430,648	DEPARTMENT OF AGRICULTURE, NIFA		416-40-79
111066	ASSESSMENT OF ALTERNATIVE PRODUCTION SYSTEMS FOR LAYING HENS TO SAFEGUARD ANIMAL WELFARE AND SUSTAINABLE EGG SUPPLY		
	4/15/11 to 4/14/13	RESEARCH	
CO-PI	TRAMPEL, DARRELL	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$391,916	DEPARTMENT OF AGRICULTURE, NIFA		418-30-01
113806	IOWA EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM, FORMULA GRANT		
	10/1/10 to 9/30/15	EXTENSION/PUBLIC	
	MARTIN, PEGGY	EXTENSION TO FAMILIES-EXT	
\$353,107	DEPARTMENT OF AGRICULTURE, NIFA		415-40-00
114082	2011 HATCH MULTISTATE RESEARCH		
	10/1/10 to 9/30/12	RESEARCH	
	WINTERSTEEN, WENDY	AGRICULTURE & HOME ECONOMICS EXPERIMENT STATION-AES/CALS	
\$313,305	DEPARTMENT OF ENERGY		401-25-01
93016	OPERATING AND MANAGEMENT SUPPORT FOR THE AMES LABORATORY		
	11/1/08 to 12/31/11	RESEARCH	
	KING, ALEXANDER	AMES LABORATORY	
\$300,000	ARIZONA STATE UNIVERSITY		404-60-06
114478	INVESTIGATION OF HIGH PERFORMANCE COMPONENTS OF NOVEL STRUCTURE FOR AMBIENT TEMPERATURE HIGH ENERGY DENSITY BATTERY SYSTEMS		
	3/22/11 to 3/21/14	RESEARCH	
	MARTIN, STEVE	MATERIALS SCIENCE & ENGINEERING-ENGR	
\$230,491	IOWA STATE UNIVERSITY RESEARCH FOUNDATION		405-17-01
107443	OFFICE OF INTELLECTUAL PROPERTY AND TECHNOLOGY TRANSFER SUPPORT		
	5/2/11 to 12/31/99	RESEARCH	
	QUISENBERRY, SHARRON	VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$230,000 NATIONAL SCIENCE FOUNDATION

420-61-57

104276 UNCOVERING NOVEL SIGNALING INTERACTIONS IN PLANT METABOLIC NETWORKS

4/1/10 to 3/31/12 RESEARCH

CO-PI 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

\$186,183 APPLIED GEOSOLUTIONS

400-40-48

107960 DEVELOPING A PROCESS-BASED MODEL FOR ESTIMATING AIR EMISSIONS FROM SWINE OPERATIONS

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

KOZIEL, JACEK AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

\$173,855 DEPARTMENT OF AGRICULTURE, NIFA

414-40-48

114267 MCINTIRE-STENNIS COOPERATIVE FORESTRY RESEARCH

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

CO-PI WINTERSTEEN, WENDY AGRICULTURE & HOME ECONOMICS EXPERIMENT STATION-AES/CALS
CO-PI COLLETTI, JOE NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

\$171,544 DEERE & COMPANY

400-65-43

113844 DEVELOPMENT OF ADVANCED COLLABORATION AND MODULAR METHODS TO FACILITATE TRANSITION BETWEEN CONCEPT AND DETAILED DESIGN STAGES

1/1/11 to 12/31/11 RESEARCH

CO-PI WINER, ELIOT MECHANICAL ENGINEERING-ENGR
CO-PI OLIVER, JAMES MECHANICAL ENGINEERING-ENGR

\$169,999 NATIONAL SCIENCE FOUNDATION

420-40-82

104450 COENZYME B12-DEPENDENT 1, 2-PROPANEDIOL DEGRADATION BY SALMONELLA

3/15/10 to 2/29/12 RESEARCH

BOBIK, THOMAS BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

\$163,614 DEERE & COMPANY

400-65-44

113792 HIGH-RESOLUTION, REAL-TIME 3-D SHAPE MEASUREMENT FOR PARTICLE MOTION CAPTURE

1/1/11 to 12/31/11 RESEARCH

ZHANG, SONG MECHANICAL ENGINEERING-ENGR

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$163,614 DEERE & COMPANY

400-65-44

113792 HIGH-RESOLUTION, REAL-TIME 3-D SHAPE MEASUREMENT FOR PARTICLE MOTION CAPTURE

1/1/11 to 12/31/11 RESEARCH
CO-PI WINER, ELIOT MECHANICAL ENGINEERING-ENGR

\$162,036 BOEHRINGER INGELHEIM VETMEDICA, INC

400-23-50

114716 A CROSS-SECTIONAL STUDY OF PRRSV POSITIVE SWINE BREEDING HERD SITES TO EVALUATE ASSOCIATIONS BETWEEN RISK FACTORS AND A CASE DEFINITION-BASED NUMBER AND SEVERITY OF CLINICAL PRRS EPISODES (CONTINUATION)

8/1/10 to 12/31/11 RESEARCH
HOLTKAMP, DERALD VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

\$140,000 ADVANCED TECHNOLOGY INSTITUTE

404-20-94

99071 VISUAL INSPECTION OF CAST PRODUCTS

3/29/11 to 3/28/12 RESEARCH
CO-PI PETERS, FRANK INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR
STONE, RICHARD INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR

\$140,000 NATIONAL SCIENCE FOUNDATION

420-71-15

105529 NEW STRATEGY FOR CONTROLLED RELEASE OF LIPOSOMAL CONTENTS

7/15/10 to 6/30/12 RESEARCH
CO-PI ZHAO, YAN CHEMISTRY-LAS
HONG, MEI CHEMISTRY-LAS

\$139,454 DEPARTMENT OF DEFENSE, ARMY

421-20-18

107355 CHARGE DENSITY ENGINEERING: A FEASIBILITY STUDY

9/1/10 to 2/29/12 RESEARCH
RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR

\$135,000 NATIONAL SCIENCE FOUNDATION

420-25-26

96309 NOVEL INTERMETALLIC CHEMISTRY: APPROXIMANTS, QUASICRYSTALS, AND RARE-EARTH METAL-RICH SYSTEMS

5/15/09 to 4/30/12 RESEARCH
CORBETT, JOHN CHEMISTRY-LAS

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$133,594 UNIVERSITY OF MARYLAND

404-40-91

114862 ANNOTATION OF NOVEL ENZYMATIC FUNCTIONS IN METHANOGENS USING MS BASED METABOLOMICS COUPLED WITH TARGETED NMR-BASED LIGAND SCREENING
4/25/10 to 9/14/11 RESEARCH
NIKOLAU, BASIL BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES/CALS

\$130,935 BROOKHAVEN NATIONAL LABORATORY

404-21-01

114132 THE US ATLAS ANALYSIS SUPPORT
5/18/09 to 9/30/11 RESEARCH
COCHRAN, JAMES PHYSICS & ASTRONOMY-LAS

\$127,670 DEERE & COMPANY

400-65-41

113891 EXTENSIBLE VIRTUAL ENGINEERING TOOLS FOR IMPROVED PRODUCT DESIGN
1/1/11 to 12/31/11 RESEARCH
BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR
CO-PI MCCORKLE, DOUGLAS VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED

\$117,226 DEERE & COMPANY

400-65-42

113843 ENHANCING INTEGRATED ROBUST OPTIMAL DESIGN ENVIRONMENT FOR INTEGRATION OF OFF-THE-SHELF SIMULATION TOOLS, USER FRIENDLINESS, AND EXPANDED CAPABILITIES
1/1/11 to 12/31/11 RESEARCH
KELKAR, ATUL MECHANICAL ENGINEERING-ENGR

\$114,002 IOWA DEPARTMENT OF TRANSPORTATION

474-17-07

114265 LOCATION TOOL SUPPORT FOR TRACS LOCATION TOOL STATES
3/1/07 to 11/30/11 RESEARCH
SOULEYRETTE, REGINALD CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI GIESEMAN, DANIEL INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$111,192 NATIONAL SCIENCE FOUNDATION

420-40-80

114230 GEPR: THE FUNCTIONAL INTERACTOME OF CEREALS WITH THE FUNGAL BIOTROPH, BLUMERIA GRAMINIS
3/15/10 to 2/29/12 RESEARCH
WISE, ROGER PLANT PATHOLOGY-AES/CALS
CO-PI DICKERSON, JULIE ELECTRICAL & COMPUTER ENGINEERING-ENGR

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$102,174 STANFORD UNIVERSITY

404-60-04

104059 CENTER ON INTERFACIAL ENGINEERING FOR MICROELECTROMECHANICAL SYSTEMS
6/28/10 to 6/27/11 RESEARCH
RAJAN, KRISHNA MATERIALS SCIENCE & ENGINEERING-ENGR

\$100,000 PORTLAND CEMENT ASSOCIATION

400-17-35

113976 MANAGEMENT OF THE CP TECH CENTER
1/1/11 to 12/31/11 DEPT/ADMIN SUPPORT
CACKLER, ELLS INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$99,988 NATIONAL SCIENCE FOUNDATION

420-60-80

113747 COLLABORATIVE NSF SESSIONS AT THE ASEE ANNUAL CONFERENCE
10/1/11 to 9/30/15 RESEARCH
GENALO, LAWRENCE MATERIALS SCIENCE & ENGINEERING-ENGR

\$95,448 KITOZYME

400-63-05

114661 IMMUNOMODULATORY SCREENING OF YEAST COMPOUNDS PRODUCED BY KITOZYME (PHASE II: RAPID IN VIVO
SCREENING OF THE SELECTED COMPOUNDS USING EFFECTS OF DIETARY APPLICATION ON NEUTROPHIL FUNCTION IN
4/15/11 to 4/14/12 RESEARCH
PALIC, DUSAN BIOMEDICAL SCIENCES-VET
CO-PI KIMURA, KAYOKO VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
CO-PI ROTH, JAMES VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET

\$94,089 UNIVERSITY OF IOWA

404-17-73

88731 EXAMINATION OF GENETIC AND GXE EFFECTS IN THE FAMILY AND COMMUNITY HEALTH STUDIES
7/1/08 to 1/31/12 RESEARCH
CUTRONA, CAROLYN PSYCHOLOGY
CO-PI RUSSELL, DANIEL HUMAN DEVELOPMENT & FAMILY STUDIES-HS

\$87,417 DEPARTMENT OF AGRICULTURE, FS

412-40-27

113710 AVIAN RESPONSE TO EXPERIMENTAL EMULATION OF NATURAL FIRE DISTURBANCE IN RED PINE FORESTS
4/13/11 to 3/25/16 RESEARCH
SCHULTE, LISA NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$83,742	NATIONAL SCIENCE FOUNDATION			420-61-03
90177	COLLABORATIVE RESEARCH: OXIDATIVE STRESS, TELOMERE DYNAMICS AND AGING IN A FREE-LIVING ORGANISM			
	4/1/08 to 3/31/12	RESEARCH		
	VLECK, CAROL		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	
CO-PI	VLECK, DAVID		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY	
\$75,000	NATIONAL PORK BOARD			453-40-15
114618	COLLABORATION AGREEMENT BETWEEN U.S. PORK CENTER OF EXCELLENCE AND NATIONAL PORK BOARD			
	4/13/11 to 12/31/11	MISCELLANEOUS		
	MEISINGER, DAVID		AGRICULTURE ADMINISTRATION-AES/CALS	
\$74,991	CALIFORNIA DEPARTMENT OF TRANSPORTATION			400-20-69
106912	SYNTHESIS AND COMPARATIVE STUDY OF COLUMN CONFINEMENT REINFORCEMENT USED IN SEISMIC BRIDGE DESIGN PRACTICE			
	4/1/11 to 3/31/12	RESEARCH		
	SRITHARAN, SIVALINGAM		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$73,873	IOWA DEPARTMENT OF TRANSPORTATION			474-17-59
114049	GIS AUTOMATION OF LIDAR DEM CUTTING FOR HYDROLOGIC/HYDRAULIC MODELING			
	4/1/11 to 1/31/14	RESEARCH		
	GELDER, BRIAN		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$73,585	DEPARTMENT OF INTERIOR, GEOLOGICAL SURVEY			424-40-25
98603	MISSOURI RIVER MITIGATION: IOWA WETLAND RESTORATION FUNCTIONAL ASSESSMENT			
	6/4/09 to 4/30/12	RESEARCH		
	OTIS, DAVID		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
CO-PI	KOFORD, ROLF		NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$71,695	ADISSEO FRANCE SAS			400-42-79
108565	THE EFFECTS OF METHIONINE STATUS ON BROILER PERFORMANCE AND PHYSIOLOGIC RESPONSES TO ACUTE AND CHRONIC HEAT STRESS			
	5/1/11 to 6/30/12	RESEARCH		
	PERSIA, MICHAEL		ANIMAL SCIENCE-AES/CALS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$69,903	NATIONAL SCIENCE FOUNDATION		420-60-76
114654	EAGER: LARGE-SCALE EQUILIBRIUM DESIGN AND PRICING UNDER COMPLEX GOVERNMENT REGULATIONS		
	5/1/11 to 4/30/12	RESEARCH	
	MORROW, WILLIAM	MECHANICAL ENGINEERING-ENGR	
\$68,568	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY		404-60-05
113414	TESTING AND RECOMMENDED BEST PRACTICES FOR NURSE TANK SAFETY		
	10/18/10 to 12/18/12	RESEARCH	
	RUSSELL, ALAN	MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	CHUMBLEY, LEONARD	MATERIALS SCIENCE & ENGINEERING-ENGR	
\$65,000	IOWA DEPARTMENT OF NATURAL RESOURCES		473-30-47
114714	WATER QUALITY INITIATIVES FOR SMALL IOWA BEEF AND DAIRY FEEDLOT OPERATIONS		
	2/16/11 to 8/15/13	EXTENSION/PUBLIC	
	LAWRENCE, JOHN	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
CO-PI	SHOUSE, SHAWN	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
CO-PI	RIECK-HINZ, ANGELA	AGRONOMY-EXT	
\$64,200	DEPARTMENT OF AGRICULTURE, ARS		419-17-02
115002	RESEARCH SUPPORT AGREEMENT		
	4/19/11 to 9/30/11	RESEARCH	
	REECY, JAMES	ANIMAL SCIENCE-AES/CALS	
\$52,000	PRATT & WHITNEY		400-65-27
114688	TASK 10-X-RAY CHARACTERIZATION STUDIES IN SUPPORT OF MODEL-ASSISTED POD		
	3/15/11 to 9/30/11	RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	GRAY, JOSEPH	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	JENSEN, TERRENCE	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	MEEKER, WILLIAM	STATISTICS-LAS	

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$51,989	SMITHSONIAN ASTROPHYSICAL			404-21-52
114360	MAINTENANCE OF THE FOCAL PLANE INSTRUMENTS OF THE VERITAS OBSERVATORY			
	1/1/11 to 9/30/11	RESEARCH		
	KRENNRICH, FRANK		PHYSICS & ASTRONOMY-LAS	
\$50,000	KANSAS STATE UNIVERSITY			410-30-86
113630	IOWA OPERATION MILITARY KIDS CAMP 2011			
	2/1/11 to 8/31/11	EXTENSION/PUBLIC		
	MORRIS, JOHN		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	GLEASON, CHRIS		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$50,000	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT			478-25-13
114001	IT-ADVENTURES			
	12/16/10 to 5/30/11	INSTRUCTION/TRAINING		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$49,996	CATERPILLAR			400-25-01
111098	VIRTUAL VISUAL MANAGEMENT: THE DIGITAL OBEYA ROOM			
	8/6/10 to 12/31/10	RESEARCH		
	GILBERT, STEPHEN		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
\$49,200	STOLLER ENTERPRISES			400-33-11
114874	FIELD TRIAL EVALUATIONS OF STOLLER PRODUCTS			
	4/1/11 to 3/31/12	RESEARCH		
	ROBERTSON, ALISON		PLANT PATHOLOGY-AES/CALS	
\$48,945	MULTIMIN, USA			400-42-63
114540	INFLUENCE OF TRACE MINERAL STATUS ON IMMUNE FUNCTION OF BEEF CATTLE			
	4/15/11 to 5/31/12	RESEARCH		
	HANSEN, STEPHANIE		ANIMAL SCIENCE-AES/CALS	
CO-PI	PALIC, DUSAN		BIOMEDICAL SCIENCES-VET	
CO-PI	KIMURA, KAYOKO		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	

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\$44,966	NORTHROP GRUMMAN SYSTEMS CORPORATION				404-60-02
111286	N+2 ADVANCED VEHICLE CONCEPTS STUDY (ERA1)				
	12/14/10 to 11/21/11	RESEARCH			
	WLEZIEN, RICHARD		AEROSPACE ENGINEERING-ENGR		
\$44,540	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY				410-21-10
108520	MANAGEMENT OF THE SWITCHGRASS RUST DISEASE BY DEPLOYING HOST RESISTANT GENES AND MONITORING THE DYNAMICS OF PATHOGEN POPULATIONS				
	7/1/11 to 6/30/12	RESEARCH			
	YANG, BING		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS		
\$43,516	UNIVERSITY OF MINNESOTA				400-23-47
111985	RANDOMIZED NON-INFERIORITY CLINICAL TRIAL EVALUATING THREE COMMERCIAL DRY COW MASTITIS PREPARATIONS				
	1/1/11 to 12/31/11	RESEARCH			
	GORDEN, PATRICK		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		
	CO-PI TIMMS, LEO		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET		
\$40,785	UNIVERSITY OF NORTHERN IOWA				475-30-05
114427	MANAGEMENT SUPPORT FOR THE IOWA NASA EPSCOR PROGRAM				
	1/1/11 to 8/31/12	EXTENSION/PUBLIC			
	STAKER, JAY		EXTENSION 4-H YOUTH DEVELOPMENT-EXT		
\$40,000	NATIONAL SCIENCE FOUNDATION				420-61-74
114426	CAREER: NOVEL SIGNALING COMPONENTS FOR PLANT STEROID REGULATED GENE EXPRESSION IN ARABIDOPSIS				
	4/12/11 to 2/29/12	RESEARCH			
	YIN, YANHAI		GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS		
\$39,372	IOWA DEPARTMENT OF HUMAN SERVICES				470-30-18
113668	PROJECT RECOVERY IOWA				
	10/14/10 to 9/30/11	EXTENSION/PUBLIC			
	VANGINKEL, MARGARET		EXTENSION TO FAMILIES-EXT		

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II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$39,070	IOWA DEPARTMENT OF TRANSPORTATION			474-17-17
114254	INCIDENT LOCATION TOOL SUPPORT FOR THE IOWA DEPARTMENT OF TRANSPORTATION			
	7/1/03 to 11/30/11	RESEARCH		
	SOULEYRETTE, REGINALD		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	GIESEMAN, DANIEL		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$31,500	UNIVERSITY OF MINNESOTA			400-42-75
111543	MODIFICATION OF A MILK PROTEIN CONCENTRATE (MPC) INGREDIENT AND EVALUATION FOR POTENTIAL APPLICATIONS			
	11/1/10 to 12/31/11	RESEARCH		
	LAMSAL, BUDDHI		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
CO-PI	CLARK, STEPHANIE		FOOD SCIENCE & HUMAN NUTRITION-HS	
\$31,500	UNIVERSITY OF MINNESOTA			400-28-47
111544	PREVENTION OF OXIDATIVE OFF-FLAVORS TO MAXIMIZE QUALITY AND SHELF LIFE OF FLUID MILK			
	11/1/10 to 12/31/12	RESEARCH		
	CLARK, STEPHANIE		FOOD SCIENCE & HUMAN NUTRITION-HS	
CO-PI	BEITZ, DONALD		ANIMAL SCIENCE-AES/CALS	
CO-PI	BOYLSTON, TERRI		FOOD SCIENCE & HUMAN NUTRITION-HS	
\$31,250	KANSAS STATE UNIVERSITY			410-23-04
111441	DEVELOPMENT OF A MODEL FOR REGIONAL CONTROL AND ELIMINATION OF PRRS VIRUS IN IOWA			
	10/1/10 to 9/30/11	RESEARCH		
	HOLTKAMP, DERALD		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	BAKER, RODNEY		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	MCKEAN, JAMES		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT	
CO-PI	ZIMMERMAN, JEFFREY		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$30,000	IOWA EGG COUNCIL			400-42-62
107240	A COMPREHENSIVE ASSESSMENT OF AVIARY LAYING-HEN HOUSING SYSTEM FOR EGG PRODUCTION IN THE MIDWEST: AERIAL EMISSIONS, BIOENERGETICS, ENERGY USE, HEN WELFARE, MICROBIOLOGICAL QUALITY, INDOOR ENVIRONMENT, 4/1/10 to 6/30/11	RESEARCH		
	XIN, HONGWEI		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	LI, HONG		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	IBARBURU-BLANC, MARO		EGG INDUSTRY CENTER-AES/CALS	

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\$30,000	IOWA EGG COUNCIL	400-42-62
107240	A COMPREHENSIVE ASSESSMENT OF AVIARY LAYING-HEN HOUSING SYSTEM FOR EGG PRODUCTION IN THE MIDWEST: AERIAL EMISSIONS, BIOENERGETICS, ENERGY USE, HEN WELFARE, MICROBIOLOGICAL QUALITY, INDOOR ENVIRONMENT, 4/1/10 to 6/30/11 RESEARCH	
CO-PI	MILLMAN, SUZANNE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
CO-PI	BREHM-STECHER, BYRON	FOOD SCIENCE & HUMAN NUTRITION-HS
\$29,472	NATIONAL SCIENCE FOUNDATION	420-61-28
114187	RAPID: PHYSICAL BEHAVIOR OF PRECIPITATION EXTREMES IN CMIP5 GCMS AND OBSERVATIONS	
	4/15/11 to 3/31/12 RESEARCH	
	GUTOWSKI, WILLIAM	GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS
\$28,980	UNIVERSITY OF WISCONSIN, MADISON	404-40-25
87000	GREAT LAKES BIOENERGY RESEARCH CENTER	
	9/30/07 to 11/30/11 RESEARCH	
	BABCOCK, BRUCE	ECONOMICS
\$27,567	PENNSYLVANIA STATE UNIVERSITY	404-20-80
81595	INTERACTIONAL AERODYNAMICS AND ACOUSTICS FOR ADVANCED CONFIGURATIONS	
	9/15/06 to 9/14/11 RESEARCH	
	RAJAGOPALAN, R.	AEROSPACE ENGINEERING
\$27,500	PIONEER HI-BRED INTERNATIONAL, INC	400-48-76
114707	CORN PEST RESEARCH PROJECT	
	3/21/11 to 6/1/12 RESEARCH	
CO-PI	GASSMANN, AARON	ENTOMOLOGY-AES/CALS
CO-PI	WEBER, PATRICK	ENTOMOLOGY-AES/CALS
\$25,000	IOWA DEPARTMENT OF TRANSPORTATION	474-77-99
114058	PLANNING, DEVELOPING, AND IMPLEMENTATION OF THE IOWA PAVEMENT MARKING MANAGEMENT PROGRAM-PHASE IV	
	4/1/05 to 12/31/11 RESEARCH	
CO-PI	HAWKINS, NEAL	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	SMADI, OMAR	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED

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\$25,000	MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC				400-60-81
114596	EPRC SUPPORT				
	1/1/11 to 12/31/11	RESEARCH			
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$25,000	XM COMPANIA DE EXPERTOS EN MERCADOS				400-60-14
114894	EPRC SUPPORT				
	1/1/11 to 12/31/11	RESEARCH			
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$24,928	IOWA DEPARTMENT OF CORRECTIONS				478-29-01
113995	MITCHELLVILLE PRISON EXPANSION LANDSCAPE PLAN				
	1/10/11 to 9/30/13	EXTENSION/PUBLIC			
	HOHMANN, HEIDI		LANDSCAPE ARCHITECTURE-DSN		
CO-PI	ERICKSON, MARY		INSTITUTE FOR DESIGN RESEARCH & OUTREACH-DSN		
CO-PI	STEVENS, JULIE		LANDSCAPE ARCHITECTURE-DSN		
\$24,167	IOWA WORKFORCE DEVELOPMENT				478-21-18
106820	RESEARCHING THE GREEN ECONOMY				
	2/1/11 to 5/31/11	RESEARCH			
	SHELLEY, MACK		POLITICAL SCIENCE-LAS		
\$22,323	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES, INC				404-60-01
114250	DIELECTRIC SPECTROSCOPY FOR INVESTIGATION OF PLASTICIZATION AND REINFORCEMENT IN BORON CAGE COMPOUNDS				
	3/25/11 to 7/11/11	RESEARCH			
	BOWLER, NICOLA		MATERIALS SCIENCE & ENGINEERING-ENGR		
\$20,724	UNIVERSITY OF NEBRASKA, LINCOLN				404-20-03
93210	MULTI-LASER-BEAM OPEN-ATMOSPHERE SURFACE COATING TECHNIQUES BASED ON PRECURSOR EXCITATION, PHOTODISSOCIATION AND CONTROLLED COOLING				
	1/1/08 to 9/30/11	RESEARCH			
	WANG, XINWEI		MECHANICAL ENGINEERING-ENGR		

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\$20,000 UNITED SOYBEAN BOARD

459-40-38

114557 PREVENTION OF BREAST CANCER: IMPACT OF DIETARY SOY AND GENISTEIN

2/25/11 to 2/24/12 RESEARCH

CO-PI SCHALINSKE, KEVIN FOOD SCIENCE & HUMAN NUTRITION-AES/CALS
ROWLING, MATTHEW FOOD SCIENCE & HUMAN NUTRITION-HS

\$19,636 DEPARTMENT OF AGRICULTURE, NIFA

418-30-04

114268 IOWA RENEWABLE RESOURCES EXTENSION ACT PROGRAM FOR FY 2011

10/1/10 to 9/30/12 EXTENSION/PUBLIC

RANDALL, JESSE NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT

\$16,000 NATIONAL SCIENCE FOUNDATION

420-61-37

114394 SHF: SMALL: COLLABORATIVE RESEARCH: BALANCING EXPRESSIVENESS AND MODULAR REASONING FOR ASPECT-ORIENTED PROGRAMMING

8/15/10 to 7/31/11 RESEARCH

RAJAN, HRIDESH COMPUTER SCIENCE-LAS

\$15,000 SCIENCE APPLICATIONS INTERNATIONAL CORPORATION

404-17-48

114945 PAVEMENT MARKINGS CONCEPTS

5/30/06 to 9/30/11 RESEARCH

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

\$15,000 METABOLIC TECHNOLOGIES, INC

400-28-49

114958 ATP EFFECT ON HUMAN MUSCLE PERFORMANCE: CONTINUATION AND NEW RESEARCH

2/1/10 to 12/31/11 RESEARCH

SHARP, RICKEY KINESIOLOGY-HS

\$13,000 SYNGENTA

400-42-98

114928 PLANT GROWTH REGULATOR STUDY ON CREEPING BENTGRASS

5/1/11 to 10/1/11 RESEARCH

CHRISTIANS, NICK HORTICULTURE-AES/CALS

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\$12,500	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY			410-39-06
111290	INTEGRATED MANAGEMENT OF OOMYCETE DISEASES OF SOYBEAN AND OTHER CROP PLANTS			
	4/1/11 to 3/31/12	RESEARCH		
	ROBERTSON, ALISON		PLANT PATHOLOGY-AES/CALS	
\$12,000	NATIONAL SCIENCE FOUNDATION			420-60-51
106590	SHOCK WAVE INDUCED FREEFORM TECHNIQUE (SWIFT) FOR MANUFACTURING OF DIAMOND MICROTOOLS			
	8/1/10 to 7/31/13	RESEARCH		
	MOLIAN, PALANIAPPA		MECHANICAL ENGINEERING-ENGR	
	CO-PI WANG, XINWEI		MECHANICAL ENGINEERING-ENGR	
\$11,880	IOWA DEPARTMENT OF PUBLIC HEALTH			478-40-39
114740	EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)			
	1/1/11 to 12/31/11	RESEARCH		
	BARTHOLOMAY, LYRIC		ENTOMOLOGY-AES/CALS	
\$11,501	UNIVERSITY OF IOWA			475-20-35
106931	MULTISCALE MODELING OF THROMBUS INITIATION IN CARDIOVASCULAR PROSTHESES			
	2/16/11 to 12/31/11	RESEARCH		
	OLSEN, MICHAEL		MECHANICAL ENGINEERING-ENGR	
\$11,200	VSI AEROSPACE, INC			404-20-99
107360	TOOLS FOR DYNAMIC ANALYSIS, SIMULATION, AND DESIGN OF CONTROL SURFACES WITH FREE PLAY			
	8/1/10 to 2/28/11	RESEARCH		
	VAIDYA, UMESH		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$11,000	WOMEN FOOD AND AGRICULTURE NETWORK			410-21-09
113791	DEVELOPING A CONSERVATION EDUCATION AND OUTREACH PROGRAM TARGETED AT WOMEN FARMLAND OWNERS IN IA, NE AND WI			
	9/1/10 to 8/31/12	INSTRUCTION/TRAINING		
	GESKE, JOEL		GREENLEE SCHOOL OF JOURNALISM & COMMUNICATION-LAS	
	CO-PI DAHLSTROM, MICHAEL		GREENLEE SCHOOL OF JOURNALISM & COMMUNICATION-LAS	

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\$9,800	VSI AEROSPACE, INC				404-60-03
107395	TOOLS FOR DYNAMIC ANALYSIS, SIMULATION, AND DESIGN OF CONTROL SURFACES WITH FREE PLAY				
	8/1/10 to 2/28/11	RESEARCH			
	SARKAR, PARTHA		AEROSPACE ENGINEERING-ENGR		
\$9,652	UNIVERSITY OF MISSOURI				404-30-13
114792	HEALTHY RELATIONSHIP AND MARRIAGE EDUCATION TRAINING PROJECT (HRMET) YEAR 3				
	9/30/10 to 9/30/11	EXTENSION/PUBLIC			
	GREDER, KIMBERLY		HUMAN DEVELOPMENT & FAMILY STUDIES-HS		
	CO-PI SANTIAGO, ANTHONY		EXTENSION TO FAMILIES-EXT		
\$9,504	DEPARTMENT OF AGRICULTURE, ARS				419-49-76
113335	RESEARCH SUPPORT AGREEMENT				
	10/1/10 to 9/30/11	RESEARCH			
	BEITZ, DONALD		ANIMAL SCIENCE-AES/CALS		
\$8,500	DOW AGROSCIENCES, LLC				400-42-64
114762	SULFOXAFLOL EFFICACY FOR SOYBEAN APHID				
	5/1/11 to 10/31/11	RESEARCH			
	HODGSON, ERIN		ENTOMOLOGY-AES/CALS		
\$8,000	NATIONAL SCIENCE FOUNDATION				420-60-74
114422	CPA-ACR: PARALLEL ALGORITHMS AND SOFTWARE FOR LARGE SCALE MICROARRAY DATA ANALYSIS AND GENE NETWORK INFERENCE				
	3/30/11 to 7/31/12	RESEARCH			
	ALURU, SRINIVAS		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$7,621	UNIVERSITY OF MINNESOTA				400-17-77
114436	UNIVERSITY OF MINNESOTA PROJECT-SPEED IMPACTS OF OCCASIONAL HAZARD RESIDENTIAL STREET WARNING SIGNS				
	3/15/11 to 12/31/11	RESEARCH			
	KNAPP, KEITH		INSTITUTE FOR TRANSPORTATION-VPR/ED		
	CO-PI NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED		

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\$6,480	DEPARTMENT OF AGRICULTURE, ARS			419-23-63
113186	RESEARCH SUPPORT AGREEMENT			
	10/1/10 to 9/30/11	RESEARCH		
	NOLAN, LISA		VETERINARY ADMINISTRATION-VET	
\$6,244	UNION OF CONCERNED SCIENTISTS			400-17-05
105265	UNION OF CONCERNED SCIENTISTS SURVEY OF FEDERAL FOOD SAFETY EMPLOYEES			
	9/15/09 to 8/31/10	RESEARCH		
	ANDERSON, DIANNE		CENTER FOR SURVEY STATISTICS & METHODOLOGY-VPR/ED	
\$6,000	AMERICAN ASSOCIATION OF SWINE VETERINARIANS FOUNDATION			400-63-06
114255	MAXIMIZING THE VALUE OF DIAGNOSTIC SUBMISSIONS-A NOVEL, WEB BASED INSTRUCTIONAL MODULE FOR VETERINARY STUDENTS NATIONWIDE			
	5/15/11 to 5/14/12	INSTRUCTION/TRAINING		
	MADSON, DARIN		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI KARRIKER, LOCKE		VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$6,000	NATIONAL SCIENCE FOUNDATION			420-61-03
114757	REU: COLLABORATIVE RESEARCH: OXIDATIVE STRESS, TELOMERE DYNAMICS, AND AGING IN A FREE-LIVING ORGANISM			
	4/1/08 to 3/31/12	RESEARCH		
	VLECK, CAROL		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
	CO-PI VLECK, DAVID		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$6,000	MONSANTO COMPANY			400-42-87
114938	WEED MANAGEMENT SYSTEMS PLAINS--ACADEMIC MINIMUM TILLAGE			
	4/1/11 to 12/31/11	RESEARCH		
	OWEN, MICHAEL		AGRONOMY-AES/CALS	
\$5,550	IOWA DEPARTMENT OF HUMAN RIGHTS			400-30-46
114939	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM			
	9/1/10 to 8/31/11	EXTENSION/PUBLIC		
	LEVINGS, JUDITH		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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\$5,303	IOWA DEPARTMENT OF NATURAL RESOURCES		473-21-12
111054	PHASE 1 ARCHAEOLOGICAL SURVEY		
	7/1/10 to 6/30/11	EXTENSION/PUBLIC	
	HILL, MATTHEW	ANTHROPOLOGY-LAS	
\$5,000	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT		478-25-14
114008	IGNITE AMES EVENT		
	12/17/10 to 6/30/11	RESEARCH	
	GILBERT, STEPHEN	INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
\$5,000	DEPARTMENT OF AGRICULTURE, NIFA		417-30-11
114586	2011 NATIONAL URBAN EXTENSION CONFERENCE		
	4/8/11 to 5/31/11	EXTENSION/PUBLIC	
	KIEFFER, JULIE	EXTENSION COMMUNICATIONS AND EXTERNAL RELATIONS-EXT	
\$4,500	WOODBURY COUNTY AGRICULTURAL EXTENSION DISTRICT		400-30-46
112164	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM		
	9/1/10 to 8/31/11	EXTENSION/PUBLIC	
	LEVINGS, JUDITH	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$4,000	MORRIS ANIMAL FOUNDATION		400-23-84
114336	DISEASE SURVEILLANCE, REDUCTION AND PREVENTION IN ANIMAL SHELTERS		
	6/1/11 to 8/31/11	FELLOWSHIP	
	PETERSEN, CHRISTINE	VETERINARY PATHOLOGY-VET	
\$4,000	MORRIS ANIMAL FOUNDATION		400-23-91
114340	ANALYSIS OF CHANGES IN MACROPHAGE FUNCTION AND CYTOKINE MILIEU IN FOALS FROM BIRTH TO MATURITY		
	4/11/11 to 9/30/11	FELLOWSHIP	
	SPONSELLER, BRETT	VETERINARY CLINICAL SCIENCES-VET	

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	\$4,000 MORRIS ANIMAL FOUNDATION		400-23-85
114341	IMMUNE RESPONSIVE VACCINE DELIVERY DEVICE		
	5/9/11 to 8/31/11 RESEARCH		
	JONES, DOUGLAS	VETERINARY PATHOLOGY-VET	
	\$4,000 MORRIS ANIMAL FOUNDATION		400-63-04
114454	AN EPIDEMIOLOGICAL STUDY OF MYCOPLASMA SPECIES OCCURRING IN CATS FROM SHELTERS AND HOUSEHOLDS UTILIZING A NOVEL PAN-MYCO REALTIME PCR DETECTION AND DIFFERENTIATION ASSAY		
	6/1/11 to 8/31/11 FELLOWSHIP		
	TRUJILLO, JESSIE	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	\$4,000 MORRIS ANIMAL FOUNDATION		400-23-83
114652	ASSESSMENT OF COST-EFFECTIVENESS OF ORAL AND SYSTEMIC TOPICAL ANTI-FLEA MEDICATION USE IN ANIMAL SHELTERS		
	6/1/11 to 8/31/11 FELLOWSHIP		
	BALDWIN, CLAUDIA	VETERINARY CLINICAL SCIENCES-VET	
	\$3,200 PIONEER HI-BRED INTERNATIONAL, INC		400-33-22
114860	GAT SOY-SYSTEMS COMPARISON UNIVERSITY-NO-TILL		
	3/8/11 to 3/7/12 RESEARCH		
	OWEN, MICHEAL	AGRONOMY-AES/CALS	
	\$3,000 NATIONAL TURFGRASS EVALUATION PROGRAM		400-42-74
114875	2010 PERENNIAL RYEGRASS TEST (TURFGRASS FIELD TRIALS-2011)		
	4/11/11 to 2/1/15 RESEARCH		
	CHRISTIANS, NICK	HORTICULTURE-AES/CALS	
	\$2,500 IOWA SOYBEAN ASSOCIATION		450-42-01
107773	EVALUATION OF ENERGY VALUES OF VARIOUS OIL SOURCES WHEN FED TO POULTRY		
	4/12/11 to 4/11/12 RESEARCH		
	PERSIA, MICHAEL	ANIMAL SCIENCE-AES/CALS	

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\$2,278	DEPARTMENT OF AGRICULTURE, ARS		419-23-64
113066	RESEARCH SUPPORT AGREEMENT		
	10/1/10 to 9/30/11	RESEARCH	
	ANDREASEN, CLAIRE	VETERINARY PATHOLOGY-VET	
\$2,234	BOLD INDUSTRIES, LLC		400-75-38
114743	LITERATURE REVIEW REGARDING IN-FIELD WEIGHT DETERMINATION FOR PIGS		
	3/21/11 to 6/30/11	RESEARCH	
	HOFF, STEVEN	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	MUMM, LYNNE	INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VPF	
\$2,000	MORRIS ANIMAL FOUNDATION		400-23-86
114344	AN INVESTIGATION OF THE BEHAVIORAL NEEDS OF DOGS HOUSED AT ANIMAL SHELTERS DUE TO CRUELTY/NEGLECT VERSUS OWNER RELINQUISHMENT		
	4/11/11 to 9/30/11	SCHOLARSHIP	
	MILLMAN, SUZANNE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$1,388	IOWA COMMISSION ON VOLUNTEER SERVICE		478-30-27
105620	IOWA AMERICORPS STATE OF PROMISE PROGRAM		
	9/1/10 to 8/31/11	EXTENSION/PUBLIC	
	LEVINGS, JUDITH	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$500	THE BIOBUSINESS ALLIANCE OF MINNESOTA		400-72-04
114753	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP		
	3/22/11 to 3/21/12	RESEARCH	
	SHANKS, BRENT	NSF ENGINEERING RESEARCH CENTER FOR BIORENEWABLE CHEMICALS-ENGR	