

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$1,700,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	4162328
116305	ABORTIFACIENT CAMPYLOBACTER JEJUNI AS A ZONOTIC PATHOGEN	
	1/1/13 to 12/31/17 RESEARCH	
	ZHANG, QIJING VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
CO-PI	YAEGER, MICHAEL VETERINARY PATHOLOGY-VET	
CO-PI	PLUMMER, PAUL VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$659,138	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	4164121
118240	GENETICALLY IMPROVING RESISTANCE OF PIGS TO PRRS VIRUS INFECTION	
	1/1/13 to 12/31/13 RESEARCH	
	DEKKERS, JACK ANIMAL SCIENCE-AES/CALS	
CO-PI	TUGGLE, CHRIS ANIMAL SCIENCE-AES/CALS	
CO-PI	STALDER, KENNETH ANIMAL SCIENCE-AES/CALS	
CO-PI	REECY, JAMES ANIMAL SCIENCE-AES/CALS	
\$500,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	4164065
111073	THE PHYSIOLOGICAL IMPACT OF HEAT STRESS ON PIG METABOLISM AND PERFORMANCE	
	1/15/11 to 1/14/14 RESEARCH	
	BAUMGARD, LANCE ANIMAL SCIENCE-AES/CALS	
CO-PI	GABLER, NICHOLAS ANIMAL SCIENCE-AES/CALS	
CO-PI	LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS	
CO-PI	PATIENCE, JOHN ANIMAL SCIENCE-AES/CALS	
CO-PI	ROSS, JASON ANIMAL SCIENCE-AES/CALS	
CO-PI	SELSBY, JOSHUA ANIMAL SCIENCE-AES/CALS	
\$456,187	DOJ-NATIONAL INSTITUTE OF JUSTICE (NIJ)	4282005
116253	DEVELOPMENT OF A SCIENCE BASE AND OPEN SOURCE SOFTWARE FOR BLOODSTAIN PATTERN ANALYSIS	
	1/1/12 to 8/31/13 RESEARCH	
	ATTINGER, DANIEL MECHANICAL ENGINEERING-ENGR	
\$400,000	SBA-U.S. SMALL BUSINESS ADMINISTRATION	4350801
119442	FY 2013 SBDC COOPERATIVE AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS	

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\$385,778	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	4161714
119341	AN INTEGRATED APPROACH TO PRECISION CONSERVATION PLANNING IN THE SOUTH FORK WATERSHED	
	9/1/12 to 8/31/15 RESEARCH	
CO-PI	CRUSE, RICHARD AGRONOMY-AES/CALS	
	PAULSEN, THOMAS AGRICULTURAL EDUCATION & STUDIES-AES/CALS	
\$301,462	CORPORATION FOR PUBLIC BROADCASTING	4001207
120748	FY 2013 COMMUNITY SERVICE GRANT	
	10/1/12 to 9/30/14 MISCELLANEOUS	
	HERRINGTON, MARY GRACE WOI RADIO-VPBF	
\$291,000	DOE-U.S. DEPARTMENT OF ENERGY	4012109
99841	RELATIVISTIC HEAVY ION PHYSICS	
	11/15/91 to 11/14/13 RESEARCH	
CO-PI	HILL, JOHN PHYSICS & ASTRONOMY-LAS	
	LAJOIE, JOHN PHYSICS & ASTRONOMY-LAS	
CO-PI	OGILVIE, CRAIG PHYSICS & ASTRONOMY-LAS	
CO-PI	ROSATI, MARZIA PHYSICS & ASTRONOMY-LAS	
\$265,439	NIH-NATL INSTITUTE OF GENERAL MEDICAL SCIENCES (NIGMS)	4302308
117620	HIGHLY SIMPLIFIED MODEL OF A MAMMALIAN INTESTINAL COMMUNITY	
	12/17/12 to 11/30/13 RESEARCH	
CO-PI	PHILLIPS, GREGORY VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	WANNEMUEHLER, MICHAEL VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
CO-PI	JERGENS, ALBERT VETERINARY CLINICAL SCIENCES-VET	
CO-PI	HOSTETTER, JESSE VETERINARY PATHOLOGY-VET	
\$250,000	UNIVERSITY OF MARYLAND	4042184
97482	EMPIRICAL SEARCH FOR NEW SUPERCONDUCTORS	
	8/1/09 to 12/31/13 RESEARCH	
	CANFIELD, PAUL PHYSICS & ASTRONOMY-LAS	

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\$248,960	IOWA DEPARTMENT OF TRANSPORTATION	4747927
115948	DEVELOPMENT OF A WIRELESS MEMS MULTIFUNCTION SENSOR SYSTEM AND FIELD DEMONSTRATION OF EMBEDDED SENSORS FOR MONITORING CONCRETE PAVEMENTS 12/3/12 to 5/31/15 RESEARCH	
CO-PI	CEYLAN, HALIL	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI	DONG, LIANG	ELECTRICAL & COMPUTER ENGINEERING-ENGR
CO-PI	TAYLOR, PETER	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	GOPALAKRISHNAN, KASTHURIRA	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
CO-PI	KIM, SUNG HWAN	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
\$233,927	IOWA DEPARTMENT OF TRANSPORTATION	4747725
120902	INCIDENT LOCATION TOOL SUPPORT FOR TRACS STATES 12/26/11 to 12/31/13 RESEARCH	
CO-PI	GIESEMAN, DANIEL	INSTITUTE FOR TRANSPORTATION-VPR/ED
CO-PI	HALLMARK, SHAUNA	CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR
\$217,059	NIH-NATIONAL INSTITUTES OF HEALTH	4302113
117346	DIRECTED EVOLUTION OF METAL SUBSTITUTE CARBONIC ANHYDRASES FOR CATALYSIS 2/15/12 to 12/31/13 RESEARCH	
	STANLEY, LEVI	CHEMISTRY-LAS
\$193,000	NSF-NATIONAL SCIENCE FOUNDATION	4201806
119803	GRADUATE RESEARCH FELLOWSHIP PROGRAM 7/15/12 to 6/30/17 SCHOLARSHIP	
	HOLGER, DAVID	GRADUATE COLLEGE-PROV
\$190,000	DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)	4212101
106701	THEORETICAL STUDIES OF GROUP IVA AND GROUP IVB CHEMISTRY 6/15/11 to 12/14/13 RESEARCH	
	GORDON, MARK	CHEMISTRY-LAS

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\$171,511	NSF-NATIONAL SCIENCE FOUNDATION	4204017
113977	DEFINING THE PLANT CELL WALL XYLOGLUCAN BIOSYNTHETIC COMPLEX LOCALIZED IN GOLGI	
	12/1/11 to 11/30/15 RESEARCH	
	ZABOTINA, OLGA	BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-LAS
\$170,000	UNIVERSAL TECHNOLOGY CORPORATION	4042515
118635	MODELS FOR SIMULATING UT INSPECTION OF COMPLEX STRUCTURAL CONFIGURATIONS	
	9/27/12 to 5/26/13 RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI	GRAY, TIMOTHY	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI	GARTON, MICHAEL	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
\$159,516	IOWA DEPARTMENT OF NATURAL RESOURCES	4734261
118668	CONSERVATION, HABITAT REQUIREMENTS, GENETIC DIVERSITY, AND SURVIVAL OF A TRANSLOCATED POPULATION OF GREATER PRAIRIE-CHICKENS IN IOWA	
	1/1/13 to 1/1/16 RESEARCH	
	VOGEL, JENNIFER	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS
CO-PI	DEBINSKI, DIANE	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS
\$153,390	TOYOTA MOTOR NORTH AMERICA INC	4006530
121047	FUNDAMENTAL RESEARCH ON STEEL MATERIAL PROPERTIES FOR AUTOMOBILE APPLICATIONS AND ON THEIR RESPONSE TO ELECTROMAGNETIC MEASUREMENTS, PHASE IV	
	4/1/09 to 12/31/13 RESEARCH	
	NAKAGAWA, NORIO	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
CO-PI	LO, CHI	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED
\$142,403	NOVARTIS PHARMA AG	4002346
120536	EFFICACY OF TIAMULIN IN TREATING CLINICAL SWINE DYSENTERY CAUSED BY "BRACHYSPIRA HAMPSONII"	
	1/1/13 to 12/31/13 RESEARCH	
	BURROUGH, ERIC	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
\$125,739	NATIONAL CATTLEMENS BEEF ASSOCIATION	4002328
120290	SALMONELLA IN LYMPH NODES OF FED AND CULL CATTLE: RELATIVE ASSESSMENT OF RISK TO GROUND BEEF	
	10/15/12 to 5/31/13 RESEARCH	
	HURD, HOWARD	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET

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\$125,000	PFIZER ANIMAL HEALTH			4004160
119874	ASSOCIATION BETWEEN THE NASAL AND FECAL MICROBIOME AND GROWTH AND CARCASS TRAITS IN BEEF CATTLE			
	11/1/12 to 11/30/13	RESEARCH		
	REECY, JAMES		ANIMAL SCIENCE-AES/CALS	
CO-PI	GARRICK, DORIAN		ANIMAL SCIENCE-AES/CALS	
\$118,400	GOLD DRAGON RESEARCH COMPANY			4004167
119805	VIRUS DISCOVERY IN THE PACIFIC WHITE SHRIMP, LITOPENAEUS VANNAMEI			
	12/5/12 to 12/31/13	RESEARCH		
	BARTHOLOMAY, LYRIC		ENTOMOLOGY-AES/CALS	
\$117,717	BOEING COMPANY			4006008
120951	MULTIDISCIPLINARY DESIGN OF ADVANCED HYPERSONIC RESEARCH VEHICLE CONCEPTS			
	12/3/12 to 5/31/14	RESEARCH		
	GIELDA, THOMAS		AEROSPACE ENGINEERING-ENGR	
\$100,000	KOREA FOOD RESEARCH INSTITUTE			4004360
120361	SEPARATION OF PHOSPHOLIPIDS FROM EGG YOLK AND DEVELOPING 'BIOACTIVE LIPIDS' FROM THE PHOSPHOLIPIDS			
	11/1/12 to 10/31/14	RESEARCH		
	AHN, DONG		ANIMAL SCIENCE-AES/CALS	
\$99,888	INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE			4002825
119792	ADAPTATION OF IRON ABSORPTION WITH HIGH PHYATE FOOD CONSUMPTION			
	11/10/12 to 11/10/13	RESEARCH		
	REDDY, MANJU		FOOD SCIENCE & HUMAN NUTRITION-HS	
\$90,000	LOCKHEED MARTIN CORPORATION			4002010
121066	CENTER FOR E-DESIGN MEMBERSHIP			
	12/1/12 to 11/30/15	RESEARCH		
	TERPENNY, JANIS		INDUSTRIAL & MANUFACTURING SYSTEMS ENGINEERING-ENGR	
CO-PI	VANCE, JUDY		MECHANICAL ENGINEERING-ENGR	

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\$85,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	4194058
121272	RESEARCH SUPPORT AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	
\$79,243	MULTIMIN USA	4004195
120520	INVESTIGATION OF THE IMPACT OF TRACE MINERAL INJECTION RESPONSE TO SHIPPING STRESS, GROWTH PERFORMANCE AND CARCASS CHARACTERISTICS OF CATTLE	
	8/1/13 to 12/31/14 RESEARCH	
	HANSEN, STEPHANIE ANIMAL SCIENCE-AES/CALS	
CO-PI	GENTHER, OLIVIA ANIMAL SCIENCE-AES/CALS	
\$76,494	UNITED TECHNOLOGIES CORPORATION-PRATT & WHITNEY DIVISION	4046015
118448	IMPROVEMENTS TO ANISOTROPY CALCULATIONS IN SUPPORT OF BLADE INSPECTION OPTIMIZATION	
	4/1/12 to 12/31/12 RESEARCH	
	BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$69,900	UNIVERSITY OF IOWA	4753019
120931	FIRST LEGO LEAGUE FOR THE SOUTHEAST IOWA STEM HUB	
	10/1/12 to 4/30/13 EXTENSION/PUBLIC	
	COX, RONALD EXTENSION ADMINISTRATION-EXT	
CO-PI	SCHROEDER, CAMILLE EXTENSION ADMINISTRATION-EXT	
\$64,620	UNIVERSITY OF NORTHERN IOWA	4753020
120930	FIRST LEGO LEAGUE FOR THE NORTHEAST IOWA STEM HUB	
	11/1/12 to 5/31/13 EXTENSION/PUBLIC	
	COX, RONALD EXTENSION ADMINISTRATION-EXT	
CO-PI	SCHROEDER, CAMILLE EXTENSION ADMINISTRATION-EXT	
\$62,400	SOUTHWESTERN COMMUNITY COLLEGE	4003034
120940	FIRST LEGO LEAGUE FOR THE SOUTHWEST STEM HUB	
	10/1/12 to 4/30/13 EXTENSION/PUBLIC	
	COX, RONALD EXTENSION ADMINISTRATION-EXT	

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\$62,400	SOUTHWESTERN COMMUNITY COLLEGE	4003034
120940	FIRST LEGO LEAGUE FOR THE SOUTHWEST STEM HUB	
	10/1/12 to 4/30/13 EXTENSION/PUBLIC	
CO-PI	SCHROEDER, CAMILLE EXTENSION ADMINISTRATION-EXT	
\$62,100	IOWA DEPARTMENT OF NATURAL RESOURCES	4733057
120968	HUNTER AND SHOOTER SPORTS PROGRAM	
	11/30/12 to 3/31/14 EXTENSION/PUBLIC	
	LEVINGS, JUDITH EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$60,000	DOD-OFFICE OF NAVAL RESEARCH (ONR)	4212501
111248	PHOTONIC NANOMETAMATERIALS (PHOTONANO)	
	7/15/10 to 9/30/13 RESEARCH	
	SOUKOULIS, COSTAS PHYSICS & ASTRONOMY-LAS	
\$59,806	UNIVERSITY OF MISSOURI COLUMBIA	4103053
118538	VALIDATE, IMPROVE AND REGIONALIZE PHOSPHORUS INDICES TO REDUCE PHOSPHORUS LOSS ACROSS THE HEARTLAND REGION	
	9/24/12 to 8/31/15 RESEARCH	
	MALLARINO, ANTONIO AGRONOMY-AES/CALS	
CO-PI	HELMERS, MATTHEW AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$59,400	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	4194061
121095	RESEARCH SUPPORT AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	BLODGETT, SUE ENTOMOLOGY-AES/CALS	
\$58,720	IOWA LAKES COMMUNITY COLLEGE	4003047
120832	FIRST LEGO LEAGUE FOR THE NORTHWEST STEM HUB	
	10/1/12 to 4/30/13 EXTENSION/PUBLIC	
	COX, RONALD EXTENSION ADMINISTRATION-EXT	
CO-PI	SCHROEDER, CAMILLE EXTENSION ADMINISTRATION-EXT	

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\$56,478	KIRKWOOD COMMUNITY COLLEGE	4042850
119050	US TUNISIA COMMUNITY COLLEGE DEVELOPMENT PARTNERSHIP	
	9/25/12 to 9/24/14 INSTRUCTION/TRAINING	
	HAGEDORN, LINDA SCHOOL OF EDUCATION-HS	
\$55,416	PURDUE UNIVERSITY	4042023
91353	SPRAY AND COMBUSTION OF GELLED HYPERGOLIC PROPELLANTS	
	6/1/08 to 5/31/13 RESEARCH	
	MEYER, TERRENCE MECHANICAL ENGINEERING-ENGR	
\$55,080	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	4194057
121097	RESEARCH SUPPORT AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	BLODGETT, SUE ENTOMOLOGY-AES/CALS	
\$53,000	UNITED TECHNOLOGIES CORPORATION-PRATT & WHITNEY DIVISION	4046017
119566	DESIGN OF TRANSDUCER FOR ON-WING BLADE INSPECTION	
	7/23/12 to 12/31/12 RESEARCH	
	BRASCHE, LISA CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	ROBERTS, RONALD CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	GRAY, TIMOTHY CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
CO-PI	WLEZIEN, RICHARD AEROSPACE ENGINEERING-ENGR	
\$50,010	DANISCO UK LTD	4004171
119705	MP1212 EFFECT OF VARYING LEVELS OF SOY AS A PROTEIN SOURCE IN BROILER DIETS AND ITS EFFECT ON SINGLE ENZYME EFFICACY OR WHEN IN COMBINATION	
	8/1/12 to 12/31/13 RESEARCH	
	PERSIA, MICHAEL ANIMAL SCIENCE-AES/CALS	
\$50,010	DANISCO UK LTD	4004171
119706	MP1214 EFFECT OF VARYING LEVELS OF SOY AS A PROTEIN SOURCE IN BROILER DIETS AND ITS EFFECT ON ENZYME EFFICACY ON ITS OWN AND IN COMBINATION WITH DFMS	
	8/1/12 to 12/31/13 RESEARCH	
	PERSIA, MICHAEL ANIMAL SCIENCE-AES/CALS	

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\$49,751	DOI-U.S. GEOLOGICAL SURVEY (USGS)	4241705
119995	HYSTERESIS IN INDEX-VELOCITY RATING CURVES	
	1/1/13 to 8/31/13 RESEARCH	
	CRUSE, RICHARD AGRONOMY-AES/CALS	
\$46,969	IOWA DEPARTMENT OF HUMAN SERVICES	4702809
120797	SERVICE TRAINING FOSU-13-001 AMENDMENT 1	
	11/1/12 to 6/30/13 EXTENSION/PUBLIC	
	HONG, GONG-SOOG HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
CO-PI	MELBY, JANET HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$45,144	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 DOE-VPR/ED	
\$44,200	BAYER CROPSCIENCE	4003042
120211	FIELD TRIALS FOR BAYER CROPSCIENCE	
	8/9/12 to 8/8/13 RESEARCH	
	MUELLER, DAREN PLANT PATHOLOGY-EXT	
\$43,200	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	4194065
121099	RESEARCH SUPPORT AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	BLODGETT, SUE ENTOMOLOGY-AES/CALS	
\$40,000	MORRIS ANIMAL FOUNDATION	4002307
99575	DETERMINATION OF THE IMPACT OF VECTOR CONTROL ON TRANSMISSION AND IMMUNOPATHOLOGY OF CANINE VISCERAL LEISHMANIASIS	
	8/1/12 to 7/31/13 FELLOWSHIP	
	FALES, AMANDA VETERINARY PATHOLOGY-VET	
CO-PI	PETERSEN, CHRISTINE VETERINARY PATHOLOGY-VET	
CO-PI	NOLAN, LISA VETERINARY ADMINISTRATION-VET	

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\$40,000	UNITED TECHNOLOGIES CORPORATION-PRATT & WHITNEY DIVISION	4002085
118964	PROCESS OPTIMIZATION FOR EBPVD COATING OF AIRFOIL COMPONENTS	
	7/1/12 to 12/30/12 RESEARCH	
	NAPOLITANO, RALPH MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	LESAR, RICHARD MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	WLEZIEN, RICHARD AEROSPACE ENGINEERING-ENGR	
\$40,000	DEERE & COMPANY	4002532
120750	DEERE ANALYTICS: IMPROVED PRODUCT DEVELOPMENT EFFICIENCY THROUGH LINKED INFORMATION GATHERING	
	12/1/12 to 11/30/13 RESEARCH	
	BRYDEN, KENNETH MECHANICAL ENGINEERING-ENGR	
CO-PI	MCCORKLE, DOUGLAS VIRTUAL REALITY APPLICATIONS CENTER - IPRT-VPR/ED	
CO-PI	BRYDEN, KRISTY MUSIC-LAS	
\$39,000	NATIONAL 4-H COUNCIL	4003044
119730	CARGILL 4-H SET - IOWA	
	12/13/12 to 10/31/13 EXTENSION/PUBLIC	
	STAKER, JAY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$38,404	IOWA DEPARTMENT OF TRANSPORTATION	4741788
120678	PROFESSIONAL TRAFFIC ENGINEERING POSITION	
	12/1/12 to 6/30/13 RESEARCH	
	HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	HALLMARK, SHAUNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$37,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	4194063
121098	RESEARCH SUPPORT AGREEMENT	
	10/1/12 to 9/30/13 EXTENSION/PUBLIC	
	BLODGETT, SUE ENTOMOLOGY-AES/CALS	

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\$35,000	TOYOTA MOTOR NORTH AMERICA INC	4002519
121005	CENTER FOR NDE MEMBERSHIP	
	10/18/12 to 10/17/13 RESEARCH	
	BOND, LEONARD AEROSPACE ENGINEERING-ENGR	
\$34,427	IOWA DEPARTMENT OF TRANSPORTATION	4747730
120645	SYNTHESIS OF IOWA RESEARCH TO ADDRESS RURAL SAFETY	
	12/1/12 to 10/31/13 RESEARCH	
	HALLMARK, SHAUNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$33,650	NSF-NATIONAL SCIENCE FOUNDATION	4204016
120375	55TH ANNUAL MAIZE GENETICS CONFERENCE	
	1/1/13 to 12/31/13 INSTRUCTION/TRAINING	
	BECRAFT, PHILIP GENETICS, DEVELOPMENT & CELL BIOLOGY-AES/CALS	
\$32,431	WEST CHESTER UNIVERSITY OF PENNSYLVANIA	4042806
119056	APPLYING VIRTUAL WORLDS TO ETHICS EDUCATION IN SCIENCE	
	8/16/12 to 8/30/13 RESEARCH	
	NADOLNY, LARYSA SCHOOL OF EDUCATION-HS	
\$30,000	BLANK PARK ZOO	4004156
120320	CONSERVATION, HABITAT USE, AND GENETIC DIVERSITY OF A TRANSLOCATED POPULATION OF GREATER PRAIRIE-CHICKENS IN IOWA	
	1/1/13 to 12/31/15 RESEARCH	
	VOGEL, JENNIFER ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
CO-PI	DEBINSKI, DIANE ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-AES/CALS	
\$29,825	USDA-FOREIGN AGRICULTURAL SERVICE (FAS)	4124528
120030	BORLAUG FTF FELLOW FROM ETHIOPIA-FOOD SAFETY-FALL 2012	
	8/17/12 to 8/14/15 INSTRUCTION/TRAINING	
	SHAW, ANGELA FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
CO-PI	BJELLAND, DENISE GLOBAL AGRICULTURE PROGRAMS-AES/CALS	

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\$28,389	DOD-NATIONAL SECURITY AGENCY (NSA)	4282104
116576	GRAPH TILING AND HEREDITARY PROPERTIES	
	12/11/12 to 12/10/13 RESEARCH	
	MARTIN, RYAN MATHEMATICS-LAS	
\$25,000	DUPONT	4003311
120898	FIELD TRIAL EVALUATION OF DUPONT FUNGICIDE ON CORN	
	11/26/12 to 11/25/13 EXTENSION/PUBLIC	
	ROBERTSON, ALISON PLANT PATHOLOGY-EXT	
\$22,200	EPA-U.S. ENVIRONMENTAL PROTECTION AGENCY	4292102
118617	EVALUATION OF TECHNIQUES FOR THE RESTORATION OF SEDGE MEADOW VEGETATION	
	10/1/12 to 9/30/15 RESEARCH	
	VAN DER VALK, ARNOLD ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$20,020	BIOMARIN PHARMACEUTICAL INC	4004173
120391	WORK IN SUPPORT OF ERT THERAPY IN THE MPS IIIB CANINE MODEL	
	10/1/12 to 3/31/13 RESEARCH	
	ELLINWOOD, NORMAN ANIMAL SCIENCE-AES/CALS	
\$20,000	UNITED TECHNOLOGIES CORPORATION	4002092
120724	PROCESS OPTIMIZATION FOR EBPVD COATING OF AIRFOIL COMPONENTS, TASK 1	
	7/1/12 to 12/30/12 RESEARCH	
	NAPOLITANO, RALPH MATERIALS SCIENCE & ENGINEERING-ENGR	
CO-PI	WLEZIEN, RICHARD AEROSPACE ENGINEERING-ENGR	
\$20,000	JFE STEEL CORPORATION	4002098
120916	RESEARCH EXPENSES FOR VISITING SCIENTIST	
	10/15/12 to 10/14/13 RESEARCH	
	HEBERT, KURT CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	

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

\$18,000	IOWA DEPARTMENT OF NATURAL RESOURCES	4733003
120844	FOREST STEWARDSHIP PROGRAMS FY 2013	
	12/1/12 to 12/1/13 EXTENSION/PUBLIC	
	RANDALL, JESSE NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT	
\$17,056	PELLA CORPORATION	4006532
120985	FULL SCALE 3D CFD ANALYSIS OF DOUBLE PANE WINDOWS: EFFECT OF FLEXURE ON R VALUES	
	1/1/13 to 2/1/14 RESEARCH	
	GANAPATHYSUBRAMANIAN, B MECHANICAL ENGINEERING-ENGR	
CO-PI	FORNEY, CRAIG INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY COMPANY ASSISTANCE-VPR	
\$17,000	DUPONT	4004166
120592	DUPONT SEED TREATMENT FIELD TRIALS 2012	
	11/1/12 to 10/31/13 RESEARCH	
	MUNKVOLD, GARY PLANT PATHOLOGY-AES/CALS	
\$15,000	IOWA DEPARTMENT OF TRANSPORTATION	4747736
121050	SYNTHESIS OF PRACTICE ON THE USE OF MULTIPLE ITS SENSORS AT RWIS SITES	
	1/1/13 to 9/30/13 RESEARCH	
	HAWKINS, NEAL INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	ALBRECHT, CHRISTOPHER INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	HALLMARK, SHAUNA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
\$12,995	NAHANT RESOURCE MANAGEMENT	4003023
120977	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$12,083	EASTERN IOWA COMMUNITY COLLEGE DISTRICT	4104039
117498	BUILDING ON PARTNERSHIPS, PROJECTS AND PURPOSE: IMPROVING INSTRUCTION AND INCREASING THE NUMBER OF STUDENTS IN THE AGRICULTURAL WORKFORCE (BP3)	
	9/1/12 to 8/31/13 INSTRUCTION/TRAINING	
	PAULSEN, THOMAS AGRICULTURAL EDUCATION & STUDIES-AES/CALS	
CO-PI	COLLETTI, JOE AGRICULTURE ADMINISTRATION-AES/CALS	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$12,083	EASTERN IOWA COMMUNITY COLLEGE DISTRICT	4104039
117498	BUILDING ON PARTNERSHIPS, PROJECTS AND PURPOSE: IMPROVING INSTRUCTION AND INCREASING THE NUMBER OF STUDENTS IN THE AGRICULTURAL WORKFORCE (BP3) 9/1/12 to 8/31/13 INSTRUCTION/TRAINING	
CO-PI	RAJAN, CHITRA VICE PRESIDENT FOR RESEARCH & ECONOMIC DEVELOPMENT-VPR/ED	
\$11,400	BASF CORPORATION	4004455
119612	PROTOCOL ID: DEVS2012US D11 C01.0 TITLE: BAS 700 F&500 F/SOYBEANS/BASF CONFIDENTIAL/US/ SDS 3/1/12 to 5/15/13 RESEARCH	
CO-PI	YANG, XIAO PLANT PATHOLOGY-AES/CALS NAVI, SHRISHAIL PLANT PATHOLOGY-AES/CALS	
\$10,000	CORPORATION FOR ECONOMIC DEVELOPMENT IN DES MOINES	4000809
120318	CORPORATION FOR ECONOMIC DEVELOPMENT FOR DES MOINES 7/1/12 to 6/30/13 EXTENSION/PUBLIC	
	HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS	
\$10,000	VA-U.S. DEPARTMENT OF VETERANS AFFAIRS	4281703
121023	IMPROVING THE DELIVERY OF SMOKING CESSATION GUIDELINES IN HOSPITALIZED VETERANS 10/1/12 to 9/30/13 RESEARCH	
	HUCK, SHIRLEY SURVEY AND BEHAVIORAL RESEARCH SERVICES-VPR/ED	
\$9,900	CHEMINOVA INC	4003311
120838	FIELD TRIAL EVALUATION OF CHEMINOVA FUNGICIDE ON CORN 11/16/12 to 11/15/13 EXTENSION/PUBLIC	
	ROBERTSON, ALISON PLANT PATHOLOGY-AES/CALS	
\$9,800	LUTHER COLLEGE	4003023
120976	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM 9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$9,201	NOVARTIS PHARMA AG		4002330
120413	DEVELOPMENT OF A MULTIPLEX PCR PANEL FOR ENTERIC PATHOGENS IN GROW-FINISH PIGS		
	11/1/12 to 4/30/13	RESEARCH	
CO-PI	BURROUGH, ERIC	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	SCHWARTZ, KENT	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$8,910	MORRIS ANIMAL FOUNDATION		4002349
118402	SYSTEMATIC REVIEW OF TREATMENT FOR CANINE CRUCIATE LIGAMENT INJURY		
	10/1/12 to 9/30/13	RESEARCH	
	BERGH, MARY	VETERINARY CLINICAL SCIENCES-VET	
\$8,800	MAKHTESHIM-AGAN OF NORTH AMERICA		4003079
120718	FIELD TRIALS FOR SOYBEAN DISEASE MANAGEMENT		
	11/1/12 to 10/31/13	EXTENSION/PUBLIC	
	MUELLER, DAREN	PLANT PATHOLOGY-EXT	
\$8,575	CENTERVILLE COMMUNITY SCHOOL DISTRICT		4003023
121018	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM		
	9/1/12 to 8/31/13	EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	MCCARTHY, JUDY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$7,700	CHEMINOVA INC		4003079
120719	FIELD TRIALS FOR CHEMINOVA, INC		
	11/14/12 to 11/13/13	EXTENSION/PUBLIC	
	MUELLER, DAREN	PLANT PATHOLOGY-AES/CALS	
\$7,500	BASF CORPORATION		4003079
121108	FIELD TRIALS FOR SOYBEAN DISEASE MANAGEMENT		
	12/12/12 to 12/11/13	EXTENSION/PUBLIC	
	MUELLER, DAREN	PLANT PATHOLOGY-EXT	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$7,000	DUPONT			4003079
120897	FIELD TRIALS FOR SOYBEAN DISEASE MANAGEMENT			
	11/26/12 to 11/25/13	EXTENSION/PUBLIC		
	MUELLER, DAREN	PLANT PATHOLOGY-EXT		
\$7,000	DUPONT			4004142
121072	DUPONT FUNGICIDE TESTS ON SOYBEAN			
	5/1/12 to 3/31/13	RESEARCH		
	LEANDRO, LEONOR	PLANT PATHOLOGY-AES/CALS		
\$6,000	DUPONT			4003079
120868	FIELD TRIALS FOR SOYBEAN DISEASE MANAGEMENT			
	11/20/12 to 11/19/13	EXTENSION/PUBLIC		
	MUELLER, DAREN	PLANT PATHOLOGY-EXT		
\$5,200	IOWA DEPARTMENT OF PUBLIC HEALTH			4781401
120885	INFLUENZA INCIDENCE SURVEILLANCE PROJECT			
	6/1/12 to 5/31/13	RESEARCH		
	HENDRICKS, MICHELLE	STUDENT HEALTH CENTER-VPSA		
\$5,000	HEADS UP PLANT PROTECTANTS INC			4004132
120987	TEST HEADSUP PRODUCT TO CONTROL SOYBEAN AND CORN DISEASES			
	12/15/12 to 12/14/13	RESEARCH		
	YANG, XIAO	PLANT PATHOLOGY-AES/CALS		
CO-PI	NAVI, SHRISHAIL	PLANT PATHOLOGY-AES/CALS		
\$4,977	WOODBURY COUNTY EXTENSION OFFICE			4003023
121032	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM			
	9/1/12 to 8/31/13	EXTENSION/PUBLIC		
	TALLMAN, KELI	EXTENSION 4-H YOUTH DEVELOPMENT-EXT		
CO-PI	MCCARTHY, JUDY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT		

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$4,900	ADAIR COUNTY EXTENSION OFFICE	4003023
121021	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$4,900	MARSHALL COUNTY AGRICULTURAL EXTENSION DISTRICT	4003023
121031	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$4,130	SOUTHWESTERN COMMUNITY COLLEGE	4003035
120911	STATE SCIENCE+TECHNOLOGY FAIR OF IOWA FOR THE SOUTHWEST STEM HUB	
	10/1/12 to 4/30/13 EXTENSION/PUBLIC	
	STAKER, JAY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	SPENCER, ANDREA EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$3,675	UNITED ACTION FOR YOUTH	4003023
120970	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$3,675	COMMUNITY FOUNDATION OF GREAT RIVER BEND	4003023
121020	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$3,450	MONSANTO COMPANY	4004164
120328	SEED TREATMENT NEMATODE MANAGEMENT IN SOYBEAN	
	3/1/12 to 11/1/12 RESEARCH	
	TYLKA, GREGORY PLANT PATHOLOGY-AES/CALS	
\$2,700	BLACK HAWK COUNTY EXTENSION OFFICE	4003023
120974	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	CO-PI MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$2,500	WOMEN, FOOD & AGRICULTURE NETWORK	4103049
121034	GROWING NEW WOMEN FARMERS IN IOWA AND NEBRASKA THROUGH NETWORKING, MENTORSHIPS, AND BUSINESS PLANNING	
	9/1/12 to 8/31/15 EXTENSION/PUBLIC	
	LAWRENCE, JOHN EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
	CO-PI BAKER, JOHN EXTENSION TO FAMILIES-EXT	
\$2,450	EVERYBODY WINS!-IOWA	4003023
121019	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	CO-PI MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$2,200	MAKHTESHIM-AGAN OF NORTH AMERICA	4003311
121107	FIELD TRIAL EVALUATION OF MANA FUNGICIDE ON CORN	
	11/1/12 to 10/31/13 EXTENSION/PUBLIC	
	ROBERTSON, ALISON PLANT PATHOLOGY-EXT	
\$2,000	AMERICAN COUNCILS FOR INTERNATIONAL EDUCATION	4042166
120504	HOSTING SCHOLARS FROM EURASIA AND SOUTHEAST EUROPE	
	1/12/13 to 5/31/13 INSTRUCTION/TRAINING	
	BARRATT, MARY ENGLISH-LAS	
	CO-PI VAN DER VALK, SUZANNE ENGLISH-LAS	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$2,000	COMMUNITY FOUNDATION OF GREATER DUBUQUE	4003023
120979	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$2,000	NATIONAL 4-H COUNCIL	4003092
121036	STATE 4-H VOLUNTEER RETREAT 2013	
	12/12/12 to 1/31/14 EXTENSION/PUBLIC	
CO-PI	LEVINGS, JUDITH EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	GLEASON, CHRIS EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,865	LUTHERAN SERVICES IN IOWA	4003023
120980	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,512	ST. MARK COMMUNITY CENTER	4003023
121015	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,225	FRIENDLY HOUSE	4003023
121017	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,160	UNIVERSITY OF NORTHERN IOWA	4753021
120910	STATE SCIENCE+TECHNOLOGY FAIR OF IOWA FOR THE NORTHEAST STEM HUB	
	11/1/12 to 5/31/13 EXTENSION/PUBLIC	
	STAKER, JAY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT

\$1,160	UNIVERSITY OF NORTHERN IOWA	4753021
120910	STATE SCIENCE+TECHNOLOGY FAIR OF IOWA FOR THE NORTHEAST STEM HUB	
	11/1/12 to 5/31/13 EXTENSION/PUBLIC	
CO-PI	SPENCER, ANDREA EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$900	THE ORTHOPTERISTS SOCIETY	4002152
118739	DO FEMALES MATE MULTIPLY TO ACQUIRE DIRECT BENEFITS FROM EJACULATES?	
	12/1/12 to 5/15/15 RESEARCH	
CO-PI	KELLY, CLINT ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS WORTHINGTON, AMY ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	
\$612	MUSCATINE COUNTY AGRICULTURAL EXTENSION DISTRICT	4003023
120972	LOCAL SUPPORT FOR THE IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/12 to 8/31/13 EXTENSION/PUBLIC	
CO-PI	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT MCCARTHY, JUDY EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1	UNIVERSITY OF WISCONSIN MADISON	4042081
117850	COLLABORATIVE RESEARCH: PSERC COLLABORATIVE PROPOSAL FOR A PHASE III INDUSTRY UNIVERSITY COOPERATIVE RESEARCH CENTER PROGRAM; THRUST AREA 6.2 OPERATIONAL AND PLANNING CONSIDERATIONS FOR RESILIENCY	
	1/1/12 to 2/28/13 RESEARCH	
	DOBSON, IAN ELECTRICAL & COMPUTER ENGINEERING-ENGR	