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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$11,372,847	ED-U.S. DEPARTMENT OF EDUCATION	432-57-11
<b>116617</b>	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	470-30-22
<b>115244</b>	IOWA FOOD ASSISTANCE NUTRITION EDUCATION PROGRAM	
	10/1/11 to 9/30/12 EXTENSION/PUBLIC	
	MARTIN, PEGGY EXTENSION TO FAMILIES-EXT	
CO-PI	HOOVER, JUSTINE EXTENSION TO FAMILIES-EXT	
\$505,690	NIH-NATIONAL INSTITUTES OF HEALTH	430-23-51
<b>116727</b>	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)	419-48-23
<b>116761</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/11 to 9/30/12 RESEARCH	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	
\$490,339	UNIVERSITY OF DELAWARE	410-40-79
<b>111112</b>	ADAPTING CHICKEN PRODUCTION TO CLIMATE CHANGE THROUGH BREEDING	
	4/1/11 to 3/31/13 RESEARCH	
	LAMONT, SUSAN ANIMAL SCIENCE-AES/CALS	
CO-PI	PERSIA, MICHAEL ANIMAL SCIENCE-AES/CALS	
CO-PI	ROTHSCHILD, MAX ANIMAL SCIENCE-AES/CALS	
\$418,042	USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)	412-23-01
<b>115964</b>	PORTABLE PNEUMATIC CAPTIVE-BOLT DEVICE PROJECT	
	9/30/11 to 9/30/13 RESEARCH	
	SHEARER, JAN VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT	
CO-PI	DEWELL, GRANT VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-EXT	

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\$418,042	USDA-ANIMAL & PLANT HEALTH INSPECTION SERVICE (APHIS)	412-23-01
<b>115964</b>	PORTABLE PNEUMATIC CAPTIVE-BOLT DEVICE PROJECT	
	9/30/11 to 9/30/13 RESEARCH	
CO-PI	DEWELL, RENEE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET
\$326,489	UNITED SOYBEAN BOARD	459-40-24
<b>115047</b>	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	
	CIANZIO, SILVIA	AGRONOMY-AES/CALS
CO-PI	BHATTACHARYYA, MADAN	AGRONOMY-AES/CALS
CO-PI	LEANDRO, LEONOR	PLANT PATHOLOGY-AES/CALS
\$300,000	DEERE & COMPANY	400-40-93
<b>116153</b>	COMBINE CONTROL DEVELOPMENT, PHASE I SUPPLEMENTAL	
	8/15/11 to 10/30/11 RESEARCH	
	DARR, MATTHEW	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS
\$300,000	USDA-DEPARTMENTAL MANAGEMENT (DM)	412-35-20
<b>116388</b>	BIOPREFERRED PROGRAM	
	9/30/11 to 12/31/11 EXTENSION/PUBLIC	
	DEVLIN, STEVEN	CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
CO-PI	COX, RONALD	CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT
\$270,189	KANSAS STATE UNIVERSITY	404-23-04
<b>114241</b>	VACCINES AND DIAGNOSTICS FOR TRANSBOUNDARY ANIMAL DISEASES MEETING	
	7/20/11 to 6/30/12 EXTENSION/PUBLIC	
	ROTH, JAMES	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET
CO-PI	ANDREASEN, CLAIRE	VETERINARY PATHOLOGY-VET
\$263,600	UNITED SOYBEAN BOARD	459-30-03
<b>115952</b>	SB1161 COMBINING INTEGRATED PEST MANAGEMENT WITH CLIMATE CHANGE, MITIGATION, AND ADAPTATION IN SOYBEAN-CORN CROPPING SYSTEMS	
	9/1/11 to 8/31/13 RESEARCH	
	MUELLER, DAREN	PLANT PATHOLOGY-EXT
CO-PI	MORTON, LOIS	SOCIOLOGY-EXT

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\$263,600	UNITED SOYBEAN BOARD		459-30-03
<b>115952</b>	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 ONEAL, MATTHEW	ENTOMOLOGY-AES/CALS	
	CO-PI GASSMANN, AARON	ENTOMOLOGY-AES/CALS	
\$252,997	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION		444-21-05
<b>114543</b>	ADVANCING DRUG DEVELOPMENT IN MEDICINAL PLANTS USING TRANSCRIPTOMICS AND METABOLOMICS		
	9/1/10 to 8/31/12	RESEARCH	
	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		429-30-03
<b>115630</b>	NAVIGATING THE WATERS: A WETLAND DEVELOPMENT GUIDE FOR AGENCIES AND ORGANIZATIONS WORKING WITH WOMEN LANDOWNERS		
	10/1/11 to 5/31/15	RESEARCH	
	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		432-57-90
<b>112138</b>	PELL GRANT, FY11		
	7/1/10 to 6/30/11	STUDENT FINANCIAL AID	
	JOHNSON, ROBERTA	STUDENT FINANCIAL AID-VPSA	
\$225,000	UNITED SOYBEAN BOARD		459-40-18
<b>115027</b>	DEVELOPMENT OF MATURITY I-IV VARIETIES FOR THE BETTER BEAN INITIATIVE		
	10/1/11 to 9/30/12	RESEARCH	
	FEHR, WALTER	AGRONOMY-AES/CALS	

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\$221,834	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-24
<b>116759</b>	RESEARCH SUPPORT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$215,000	IOWA DEPARTMENT OF TRANSPORTATION			474-17-40
<b>115724</b>	INVESTIGATION OF DETERIORATION OF JOINTS IN CONCRETE PAVEMENTS			
	11/1/09 to 6/30/13	RESEARCH		
	TAYLOR, PETER		INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$213,533	DOC-ECONOMIC DEVELOPMENT ADMINISTRATION (EDA)			426-35-42
<b>115832</b>	UNIVERSITY CENTER ECONOMIC DEVELOPMENT PROGRAM			
	8/1/11 to 7/31/12	EXTENSION/PUBLIC		
	COX, RONALD		CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT	
CO-PI	ODONNELL, MICHAEL		CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT	
\$208,589	MICHIGAN STATE UNIVERSITY			404-21-32
<b>108154</b>	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		
	MAZUR, ROBERT		SOCIOLOGY-LAS	
CO-PI	WESTGATE, MARK		AGRONOMY-AES/CALS	
CO-PI	JENSEN, HELEN		ECONOMICS-AES/CALS	
CO-PI	HENDRICH, SUZANNE		FOOD SCIENCE & HUMAN NUTRITION-HS	
CO-PI	REDDY, MANJU		FOOD SCIENCE & HUMAN NUTRITION-HS	
CO-PI	MURPHY, PATRICIA		FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
\$200,062	DEERE & COMPANY			400-65-11
<b>116102</b>	OPERATOR PERFORMANCE EVALUATIONS FOR SMART-UNLOAD AUTOMATION			
	9/15/11 to 9/14/12	RESEARCH		
	LUECKE, GREG		MECHANICAL ENGINEERING-ENGR	
CO-PI	GILBERT, STEPHEN		INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	

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\$194,932	EPA-U.S. ENVIRONMENTAL PROTECTION AGENCY	429-46-11
<b>116378</b>	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	IA DPS-GOVERNORS TRAFFIC SAFETY BUREAU	478-17-11
<b>116526</b>	GOVERNOR'S TRAFFIC SAFETY BUREAU IOWA DEPARTMENT OF PUBLIC SAFETY 10/1/11 to 9/30/12 RESEARCH HANS, ZACHARY INSTITUTE FOR TRANSPORTATION-VPR/ED CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$168,095	UNIVERSITY OF IOWA	475-21-04
<b>113706</b>	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	432-57-09
<b>116616</b>	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	410-30-14
<b>113332</b>	HEALTHY GARDENS, HEALTHY YOUTH: PEOPLE'S GARDEN PROJECT 4/15/11 to 9/30/13 EXTENSION/PUBLIC FRANZ, NANCY EXTENSION TO FAMILIES-EXT CO-PI TOERING, JANET EXTENSION 4-H YOUTH DEVELOPMENT-EXT CO-PI NAEVE, LINDA ENTOMOLOGY-AES/CALS	
\$158,209	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)	416-17-01
<b>111779</b>	AGRO-ECOSYSTEM APPROACH TO SUSTAINABLE BIOFUELS PRODUCTION VIA THE PYROLYSIS-BIOCHAR PLATFORM (AFRI-CAP) 8/1/11 to 7/31/13 RESEARCH MOORE, KENNETH AGRONOMY-AES/CALS CO-PI RAMAN, DAVE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS CO-PI SCHWAB, CHARLES AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	

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\$158,209	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)		416-17-01
<b>111779</b>	AGRO-ECOSYSTEM APPROACH TO SUSTAINABLE BIOFUELS PRODUCTION VIA THE PYROLYSIS-BIOCHAR PLATFORM (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		400-65-30
<b>116206</b>	FUNDAMENTAL RESEARCH ON STEEL MATERIAL PROPERTIES FOR AUTOMOBILE APPLICATIONS AND ON THEIR 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
<b>115553</b>	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
<b>116972</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	BLODGETT, SUE	ENTOMOLOGY-AES/CALS	
\$149,015	UNITED SOYBEAN BOARD		459-21-03
<b>116034</b>	HIGH-PROTEIN SOYBEANS		
	10/1/11 to 9/30/12	RESEARCH	
	LI, LING	GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	

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\$149,015	UNITED SOYBEAN BOARD		459-21-03
<b>116034</b>	HIGH-PROTEIN SOYBEANS		
	10/1/11 to 9/30/12	RESEARCH	
	CO-PI WURTELE, EVE	GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
\$146,786	UNIVERSITY OF WASHINGTON		404-28-39
<b>116636</b>	NATIONAL CENTER ON QUALITY TEACHING AND LEARNING, YEAR 2		
	9/15/11 to 9/14/12	RESEARCH	
	PETERSON, CARLA	NR	
\$144,473	PENNSYLVANIA STATE UNIVERSITY		404-17-13
<b>113342</b>	IMPLICATIONS OF GENETIC VARIANCE FOR SUBSTANCE USE INTERVENTIONS IN ADOLESCENCE		
	8/1/11 to 7/31/12	RESEARCH	
	SPOTH, RICHARD	PARTNERSHIPS IN PREVENTION SCIENCE INSTITUTE-VPR/ED	
\$134,680	KANSAS STATE UNIVERSITY		404-23-14
<b>97519</b>	NATIONAL CENTER OF EXCELLENCE FOR ZOO NOTIC AND EMERGING ANIMAL DISEASES, EDUCATION AND OUTREACH		
	7/1/10 to 7/30/12	EXTENSION/PUBLIC	
	ROTH, JAMES	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	CO-PI HOSTETTER, JESSE	VETERINARY PATHOLOGY-VET	
	CO-PI BICKETT-WEDDLE, DANELLE	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET	
	CO-PI DVORAK, GLENDA	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET	
	CO-PI FLAMING, KEVAN	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET	
	CO-PI EIA, CHERYL	CENTER FOR FOOD SECURITY & PUBLIC HEALTH-VET	
\$125,000	UNIVERSITY OF VERMONT		404-20-05
<b>113593</b>	BORON AND DIBORIDE SYSTEMS FOR HIGH-ENTHALPY ENVIRONMENTS: DESIGN AND EVALUATION		
	9/15/11 to 9/14/12	RESEARCH	
	AKINC, MUFIT	MATERIALS SCIENCE & ENGINEERING-ENGR	
	CO-PI KRAMER, MATTHEW	MATERIALS SCIENCE & ENGINEERING-ENGR	

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\$124,172	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES LLC	404-20-95
<b>116680</b>	DIAMOND THERMAL MANAGEMENT SYSTEM PHASE II	
	10/1/11 to 9/28/12 RESEARCH	
	CO-PI MOLIAN, PALANIAPPA MECHANICAL ENGINEERING-ENGR	
	CO-PI WANG, XINWEI MECHANICAL ENGINEERING-ENGR	
\$121,469	ED-U.S. DEPARTMENT OF EDUCATION	432-12-04
<b>116661</b>	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	400-42-07
<b>115718</b>	IMPACT OF LAYING HEN MANURE APPLICATIONS ON WATER QUALITY UNDER CONTINUOUS CORN	
	7/1/11 to 6/30/14 RESEARCH	
	CO-PI KANWAR, RAMESHWAR AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
	CO-PI SOUPIR, MICHELLE AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$109,999	DES MOINES AREA METROPOLITAN PLANNING ORGANIZATION	400-29-04
<b>115063</b>	RESEARCH SUPPORT FOR DES MOINES REGIONAL SUSTAINABLE PLAN	
	10/12/11 to 10/11/14 RESEARCH	
	CO-PI JOHNSTON, DOUGLAS LANDSCAPE ARCHITECTURE-DSN	
	CO-PI TAYLOR, GARY COMMUNITY & REGIONAL PLANNING-EXT	
	CO-PI HADDAD, MONICA COMMUNITY & REGIONAL PLANNING-DSN	
	CO-PI BASMAJIAN, CARLTON COMMUNITY & REGIONAL PLANNING-DSN	
\$105,000	IOWA DEPARTMENT OF ECONOMIC DEVELOPMENT	478-08-22
<b>115967</b>	FY 2012 SBDC VALUES FUNDS	
	7/1/11 to 6/30/13 EXTENSION/PUBLIC	
	HECKMANN, JAMES BUSINESS ADMINISTRATION-BUS	



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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$101,192 UNIVERSITY OF NORTH TEXAS

404-28-40

**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)

412-30-06

**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  
CO-PI EGGERS, TIMOTHY EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT  
CO-PI SCHULTZ, MADELINE VALUE ADDED AGRICULTURE-EXT  
CO-PI WELLS, JON EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT

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

412-40-35

**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  
CO-PI CARRIQUIRY, MIGUEL ECONOMICS-AES/CALS

\$100,000 IOWA DEPARTMENT OF TRANSPORTATION

474-17-67

**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  
CO-PI VENNAPUSA, PAVANA CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR  
CO-PI MILLER, DANIEL CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR  
CO-PI NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED

\$96,921 DEERE & COMPANY

400-41-16

**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  
CO-PI STEWARD, BRIAN AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS

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	\$94,148	BOEING COMPANY		400-65-35
<b>115955</b>		TANKER RECEIVER SIMULATION		
		10/17/11 to 1/3/12	RESEARCH	
		WINER, ELIOT	MECHANICAL ENGINEERING-ENGR	
	CO-PI	GILBERT, STEPHEN	INSTITUTE FOR PHYSICAL RESEARCH & TECHNOLOGY ADMINISTRATION-VPR/ED	
	\$91,542	IOWA PORK PRODUCERS ASSOCIATION		452-23-03
<b>116022</b>		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	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	SCHWARTZ, KENT	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	FRANA, TIMOTHY	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	MADSON, DARIN	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	STRAIT, ERIN	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
	CO-PI	SONGER, J	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
	\$90,124	UNIVERSITY OF NORTHERN IOWA		404-30-16
<b>116436</b>		EXTENSION SUPPORT FOR THE IOWA SPACE GRANT CONSORTIUM		
		5/17/11 to 5/16/12	EXTENSION/PUBLIC	
		STAKER, JAY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	CO-PI	FUCHS, CARMEN	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
	CO-PI	RUDOLPHI, THOMAS	AEROSPACE ENGINEERING-ENGR	
	\$90,000	BASF CORPORATION		400-40-80
<b>115531</b>		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		474-17-13
<b>115836</b>		FEASIBILITY STUDY FOR DETECTION AND QUANTIFICATION OF CORROSION IN BRIDGE BARRIER RAILS		
		10/7/11 to 4/20/12	RESEARCH	
		BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
	CO-PI	PHARES, BRENT	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI	NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	

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\$88,076	MICHIGAN STATE UNIVERSITY			410-40-02
<b>114853</b>	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			473-26-05
<b>116584</b>	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			404-21-90
<b>115672</b>	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			478-12-14
<b>116581</b>	TEEN YOUNG ADULT ALCOHOL AND TRAFFIC SAFETY			
	10/1/11 to 9/30/12	EXTENSION/PUBLIC		
	STEWART, JERRY		DEPARTMENT OF PUBLIC SAFETY-VPBF	
CO-PI	SMITH, LAURINDA		DEPARTMENT OF PUBLIC SAFETY-VPBF	
\$79,160	ARIZONA STATE UNIVERSITY			404-20-09
<b>115918</b>	PSERC CERTS FY11, NETL			
	1/1/09 to 3/31/12	RESEARCH		
	MCCALLEY, JAMES		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$77,795	UNITED SOYBEAN BOARD			459-40-27
<b>115823</b>	USING WATER STABLE SOY BASED PLASTIC FOR LAWN CARE PRODUCTS			
	10/1/11 to 9/30/12	RESEARCH		
	GREWELL, DAVID		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	GRAVES, WILLIAM		HORTICULTURE-AES/CALS	
CO-PI	SCHRADER, JAMES		HORTICULTURE-AES/CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$75,000	NATIONAL PORK BOARD		453-23-33
<b>113522</b>	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	
CO-PI	ROTH, JAMES	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$75,000	UNIVERSITY OF KENTUCKY		410-21-02
<b>114594</b>	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		410-30-20
<b>116093</b>	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		459-40-26
<b>115503</b>	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	
CO-PI	JARBOE, DARREN	CENTER FOR CROPS UTILIZATION RESEARCH-AES/CALS	
CO-PI	YAO, LINXING	FOOD SCIENCE & HUMAN NUTRITION-AES/CALS	
CO-PI	WALTON, BARBARA	ART & DESIGN-DSN	
\$69,000	USDA-OFFICE OF THE CHIEF ECONOMIST (OCE)		412-35-26
<b>116236</b>	BIOBASED PRODUCT INDUSTRY EVALUATION AND OUTREACH		
	9/30/11 to 9/30/12	EXTENSION/PUBLIC	
	DEVLIN, STEVEN	CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT	
CO-PI	COX, RONALD	CENTER FOR INDUSTRIAL RESEARCH & SERVICE-EXT	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$66,550	UNIVERSITY OF CALIFORNIA SAN DIEGO	404-21-18
<b>97755</b>	TRPGR: DISCOVERY, REVISION, AND VALIDATION OF MAIZE GENES BY PROTEOGENOMICS	
	9/15/09 to 8/31/12 RESEARCH	
	RODERMEL, STEVEN GENETICS, DEVELOPMENT & CELL BIOLOGY-LAS	
\$65,000	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP	471-30-17
<b>116296</b>	IOWA LOCAL FOOD AND FARM INITIATIVE	
	10/1/11 to 6/30/12 EXTENSION/PUBLIC	
	CHASE, CRAIG EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
\$64,276	CONSORTIUM FOR PLANT BIOTECHNOLOGY RESEARCH INC	404-40-84
<b>99756</b>	NONHOST RESISTANCE FOR ENGINEERING DISEASE RESISTANCE	
	4/1/11 to 3/31/12 RESEARCH	
	BHATTACHARYYA, MADAN AGRONOMY-AES/CALS	
\$64,179	ELECTRIC POWER RESEARCH INSTITUTE	400-20-06
<b>111748</b>	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	
	8/24/10 to 6/30/12 RESEARCH	
	AJJARAPU, VENKATARAMANA ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$60,504	MICHIGAN STATE UNIVERSITY	410-40-22
<b>111100</b>	GENOMIC SELECTION AND HERD MANAGEMENT OF IMPROVED FEED EFFICIENCY OF THE DAIRY INDUSTRY	
	5/1/11 to 4/30/12 RESEARCH	
	SPURLOCK, DIANE ANIMAL SCIENCE-AES/CALS	
\$59,949	NATIONAL PORK BOARD	453-40-23
<b>115211</b>	IMPACT OF MITOCHONDRALLY TARGETED NOVEL ANTIOXIDANT ON PIG FEED EFFICIENCY	
	12/1/11 to 11/30/12 RESEARCH	
	BEITZ, DONALD ANIMAL SCIENCE-AES/CALS	
CO-PI	KRAUS, GEORGE CHEMISTRY-LAS	
CO-PI	GABLER, NICHOLAS ANIMAL SCIENCE-AES/CALS	
CO-PI	LONERGAN, STEVEN ANIMAL SCIENCE-AES/CALS	
CO-PI	DEKKERS, JACK ANIMAL SCIENCE-AES/CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$58,880	UNITED SOYBEAN BOARD			459-25-04
<b>115064</b>	ECONOMICAL BIODIESEL WITH IMPROVED PROPERTIES			
	10/1/11 to 9/30/13	RESEARCH		
	VERKADE, JOHN		CHEMISTRY-LAS	
\$58,625	NORTH CAROLINA STATE UNIVERSITY			404-21-15
<b>115617</b>	ALLIANCE POST DOC			
	6/1/11 to 5/31/12	INSTRUCTION/TRAINING		
	KLIEMANN, WOLFGANG		MATHEMATICS-LAS	
\$58,000	SOUTH DAKOTA STATE UNIVERSITY			404-40-61
<b>99485</b>	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			404-21-16
<b>116676</b>	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)			419-48-10
<b>116732</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$55,500	NATIONAL 4H COUNCIL			400-30-38
<b>116281</b>	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	
CO-PI	GLEASON, CHRIS		EXTENSION 4-H YOUTH DEVELOPMENT-EXT	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$55,250	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-17-03
<b>116873</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/11 to 9/30/11 RESEARCH	
	REECY, JAMES ANIMAL SCIENCE-AES/CALS	
\$54,636	UNIVERSITY OF NEBRASKA MEDICAL CENTER	404-25-02
<b>116490</b>	EARLY DIAGNOSIS OF PANCREATIC CANCER	
	8/15/11 to 6/30/12 RESEARCH	
	LIPERT, ROBERT INSTITUTE FOR COMBINATORIAL DISCOVERY - IPRT-VPR/ED	
\$52,832	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-48-06
<b>116736</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/10 to 9/30/12 RESEARCH	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	
\$50,538	IOWA DEPARTMENT OF JUSTICE-OFFICE OF THE ATTORNEY GENERAL	478-23-03
<b>114527</b>	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	
CO-PI	WANG, CHONG VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$50,000	MICHIGAN STATE UNIVERSITY	410-40-21
<b>115694</b>	NORTH CENTRAL PLANT DIAGNOSTIC NETWORK	
	7/1/11 to 6/30/12 EXTENSION/PUBLIC	
	BAUM, THOMAS PLANT PATHOLOGY-AES/CALS	
\$50,000	USDA-FOREST SERVICE (FS)	412-17-15
<b>115943</b>	FIELD PERFORMANCE OF TIMBER HIGHWAY BRIDGES: A NATIONAL STUDY	
	7/29/11 to 6/30/13 RESEARCH	
	WIPF, TERRY CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	PHARES, BRENT INSTITUTE FOR TRANSPORTATION-VPR/ED	
CO-PI	NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$50,000	DANISCO			400-72-04
<b>116650</b>	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP			
	9/29/11 to 9/28/12	RESEARCH		
	SHANKS, BRENT		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$48,305	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-08
<b>116977</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	BLODGETT, SUE		ENTOMOLOGY-AES/CALS	
\$47,750	PERILYA LIMITED			400-21-04
<b>108549</b>	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			
	8/1/10 to 1/31/13	RESEARCH		
	SPRY, PAUL		GEOLOGICAL & ATMOSPHERIC SCIENCES-LAS	
\$45,324	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-22
<b>116760</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$45,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-10
<b>116733</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$42,852	BOEING			400-65-39
<b>116744</b>	PREFLIGHT AUGUMENTED REALITY INSPECTION PROGRAM			
	10/1/11 to 12/31/11	RESEARCH		
	WINER, ELIOT		MECHANICAL ENGINEERING-ENGR	



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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$42,807	DREXEL UNIVERSITY			404-20-21
<b>115726</b>	DEVICE DEVELOPMENT FOR REMOTE NON-DESTRUCTIVE TESTING AND MEASUREMENT OF POWER SYSTEMS			
	9/1/10 to 11/30/11	RESEARCH		
	AJJARAPU, VENKATARAMANA		ELECTRICAL & COMPUTER ENGINEERING-ENGR	
\$41,969	IOWA DEPARTMENT OF NATURAL RESOURCES			473-20-09
<b>114795</b>	HICKORY GROVE LAKE WATERSHED PLANNING GRANT			
	8/16/11 to 12/31/12	RESEARCH		
	SOUPIR, MICHELLE		AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
CO-PI	HELMERS, MATTHEW		AGRICULTURAL & BIOSYSTEMS ENGINEERING-EXT	
\$40,000	CATERPILLAR INC			400-17-30
<b>115555</b>	COMPACTION FORECASTING EXPERT DATABASE (CFED) (PHASE V)-CHARACTERIZATION OF ADDITIONAL CFED SOILS AND COMPACTOR PERFORMANCE			
	6/1/11 to 12/31/11	RESEARCH		
	WHITE, DAVID		CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI		INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$39,830	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-21
<b>116728</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$39,825	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-48-20
<b>116729</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$39,450	SPENCER FOUNDATION			400-28-09
<b>115679</b>	EXAMINING MODEL MATHEMATICS TEACHING FOR ENGLISH LEARNERS (EMMTEL)			
	1/1/12 to 6/30/13	RESEARCH		
	ROBERTS, SARAH		CURRICULUM & INSTRUCTION-HS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$37,289	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-48-18
<b>116975</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	BAUM, THOMAS	PLANT PATHOLOGY-AES/CALS	
\$36,327	DOD-AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR)		421-20-33
<b>115481</b>	A UNIFYING HIGH-ORDER METHOD FOR THE NAVIER-STOKES EQUATIONS ON HYBRID UNSTRUCTURED MESHES		
	12/1/10 to 11/30/11	RESEARCH	
	WANG, ZHI	AEROSPACE ENGINEERING-ENGR	
\$35,500	VA-U.S. DEPARTMENT OF VETERANS AFFAIRS		428-40-01
<b>115887</b>	EXPLORING RAMAN SPECTROSCOPY AS A TOOL FOR CHARACTERIZING GLAUCOMATOUS RETINAL TISSUES		
	9/1/11 to 3/31/12	RESEARCH	
	YU, CHENXU	AGRICULTURAL & BIOSYSTEMS ENGINEERING-AES/CALS	
\$35,289	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN		400-41-31
<b>116970</b>	POTENTIAL BIOMASS PRODUCTION OF BIOENERGY C4 AND CAM CROPS EVALUATED THROUGH THE USE OF A SEMIMECHANISTIC CROP MODEL (BIOCRO)		
	1/1/11 to 12/31/11	RESEARCH	
	MIGUEZ, FERNANDO	AGRONOMY-AES/CALS	
\$34,767	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-48-17
<b>116973</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	BLODGETT, SUE	ENTOMOLOGY-AES/CALS	
\$32,555	U.S.-ISRAEL BINATIONAL SCIENCE FOUNDATION		400-21-05
<b>105718</b>	THE EVOLUTION OF DUPLICATE OIL PATHWAYS IN POLYPLOID COTTON		
	10/1/11 to 9/30/12	RESEARCH	
	WENDEL, JONATHAN	ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$31,712	ED-U.S. DEPARTMENT OF EDUCATION	432-21-02
<b>116028</b>	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
<b>115926</b>	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	
CO-PI	KARRIKER, LOCKE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	MILLMAN, SUZANNE VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
CO-PI	STALDER, KENNETH ANIMAL SCIENCE-AES/CALS	
\$30,000	SOUTH DAKOTA STATE UNIVERSITY	404-25-18
<b>114929</b>	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
<b>115058</b>	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
<b>115556</b>	SOIL MOISTURE SENSOR DEVELOPMENT FOR VIBRATORY COMPACTORS	
	6/1/11 to 12/31/11 RESEARCH	
	WHITE, DAVID CIVIL, CONSTRUCTION, & ENVIRONMENTAL ENGINEERING-ENGR	
CO-PI	NAMBISAN, SHASHI INSTITUTE FOR TRANSPORTATION-VPR/ED	
\$30,000	MISSISSIPPI STATE UNIVERSITY	404-28-41
<b>116084</b>	EVALUATION OF ATOMS2XP PROGRAM	
	8/15/11 to 6/15/12 RESEARCH	
	ANDERSON, MARY RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$30,000	MISSISSIPPI STATE UNIVERSITY			404-28-41
<b>116084</b>	EVALUATION OF ATOMS2XP PROGRAM			
	8/15/11 to 6/15/12	RESEARCH		
CO-PI	KEMIS, MARI		RESEARCH INSTITUTE FOR STUDIES IN EDUCATION-HS	
\$30,000	IOWA DEPARTMENT OF NATURAL RESOURCES			473-30-04
<b>116408</b>	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		
	RANDALL, JESSE		NATURAL RESOURCE ECOLOGY & MANAGEMENT-EXT	
\$30,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-23-53
<b>116874</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	HAYNES, JOSEPH		VETERINARY PATHOLOGY-VET	
\$28,836	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-23-51
<b>116739</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	WANNEMUEHLER, MICHAEL		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$28,674	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)			419-23-52
<b>116738</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	WANNEMUEHLER, MICHAEL		VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$28,028	NIH-NATIONAL INSTITUTES OF HEALTH			430-66-01
<b>96785</b>	COARSE-GRAINED MODELS OF PROTEINS			
	1/1/11 to 12/31/12	RESEARCH		
	JERNIGAN, ROBERT		BIOCHEMISTRY, BIOPHYSICS & MOLECULAR BIOLOGY-AES	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$27,000	UNIVERSITY OF KENTUCKY		410-30-40
<b>97131</b>	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)		421-21-24
<b>97671</b>	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		430-17-13
<b>94191</b>	NEUROINFLAMMATORY MECHANISMS IN THE PROGRESSION OF PARKINSONS DISEASE		
	2/1/11 to 1/31/12	RESEARCH	
	KANTHASAMY, ARTHI	BIOMEDICAL SCIENCES-VET	
CO-PI	KANTHASAMY, ANUMANTHA	BIOMEDICAL SCIENCES-VET	
\$25,556	CLINTON COUNTY AGRICULTURAL EXTENSION DISTRICT		400-30-22
<b>116009</b>	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		400-17-47
<b>106202</b>	BIOBASED INDUSTRY CENTER		
	7/1/11 to 12/31/11	MISCELLANEOUS	
	BUSHNELL, JAMES	ECONOMICS-AES/CALS	
\$25,000	UNIVERSITY OF IOWA		475-21-07
<b>116041</b>	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	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$25,000	BASF CORPORATION				400-72-04
<b>116596</b>	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP				
	9/6/11 to 9/5/12	RESEARCH			
	SHANKS, BRENT		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR		
\$25,000	ASHLAND INC				400-72-04
<b>116648</b>	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP				
	9/20/11 to 9/19/12	RESEARCH			
	SHANKS, BRENT		CHEMICAL & BIOLOGICAL ENGINEERING-ENGR		
\$24,438	OHIO STATE UNIVERSITY				404-40-10
<b>114116</b>	COLLABORATIVE RESEARCH AND CAPACITY BUILDING AT SOKOINE UNIVERSITY AND NATIONAL AGRICULTURAL RESEARCH SYSTEM				
	8/1/11 to 2/29/12	INSTRUCTION/TRAINING			
	ACKER, DAVID		GLOBAL AGRICULTURE PROGRAMS-AES/CALS		
\$24,000	BATTELLE MEMORIAL INSTITUTE-PACIFIC NORTHWEST NATIONAL LABORATORY				404-21-78
<b>97659</b>	A TEST BED FOR THE INTEGRATED EXPERIMENTAL STUDY OF RETAIL AND WHOLESALE POWER MARKET DESIGNS				
	4/10/09 to 8/15/12	RESEARCH			
	TESFATSION, LEIGH		ECONOMICS-LAS		
\$23,784	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP				471-30-42
<b>115091</b>	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		
\$22,464	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)				419-48-05
<b>116755</b>	RESEARCH SUPPORT AGREEMENT				
	10/1/11 to 9/30/12	RESEARCH			
	LAMKEY, KENDALL		AGRONOMY-AES/CALS		

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\$22,170	IOWA DEPARTMENT OF AGRICULTURE & LAND STEWARDSHIP	471-30-26
<b>115024</b>	IMPROVING DETECTION AND MANAGEMENT STRATEGIES FOR INSECTS IN IOWA GRAPES	
	10/1/11 to 3/31/14 RESEARCH	
	HODGSON, ERIN ENTOMOLOGY-EXT	
\$21,881	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-48-03
<b>116754</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/11 to 9/30/12 RESEARCH	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	
\$20,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-40-10
<b>116437</b>	USDA/ARS SUPPORT FOR PORK INFORMATION GATEWAY	
	9/26/11 to 9/25/12 EXTENSION/PUBLIC	
	MEISINGER, DAVID AGRICULTURE ADMINISTRATION-AES/CALS	
\$19,980	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-48-01
<b>116722</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/11 to 9/30/12 RESEARCH	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	
\$19,190	UNIVERSITY OF CALIFORNIA DAVIS	404-28-42
<b>114906</b>	A GENETIC STUDY OF PERSONAL TRAITS THAT PROMOTE OR INHIBIT INDIVIDUAL WELL-BEING	
	8/16/11 to 5/31/12 RESEARCH	
	NEPPL, TRICIA HUMAN DEVELOPMENT & FAMILY STUDIES-HS	
\$18,684	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)	419-48-26
<b>116762</b>	RESEARCH SUPPORT AGREEMENT	
	10/1/11 to 9/30/12 RESEARCH	
	LAMKEY, KENDALL AGRONOMY-AES/CALS	

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\$18,000	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-48-15
<b>116731</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	LAMKEY, KENDALL	AGRONOMY-AES/CALS	
\$17,938	AARHUS UNIVERSITY		400-23-42
<b>113500</b>	IMPLEMENTATION OF SYSTEMATIC REVIEWS IN EFSA SCIENTIFIC OUTPUTS WORKFLOW		
	1/1/11 to 12/17/12	INSTRUCTION/TRAINING	
	OCONNOR, ANNETTE	VETERINARY DIAGNOSTIC & PRODUCTION ANIMAL MEDICINE-VET	
\$16,690	IOWA DEPARTMENT OF HUMAN SERVICES		470-30-18
<b>116379</b>	PROJECT RECOVERY IOWA		
	10/14/10 to 9/30/11	EXTENSION/PUBLIC	
	VANGINKEL, MARGARET	EXTENSION TO FAMILIES-EXT	
\$15,296	NSF-NATIONAL SCIENCE FOUNDATION		441-20-06
<b>104620</b>	A 21ST CENTURY REVITALIZED RESEARCH AND RESEARCH TRAINING INFRASTRUCTURE FOR CHEMICAL AND BIOLOGICAL ENGINEERING		
	10/1/10 to 9/30/13	MISCELLANEOUS	
	MALLAPRAGADA, S.	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	SHANKS, BRENT	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	NARASIMHAN, BALAJI	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	SHANKS, JACQUELINE	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
CO-PI	FOX, RODNEY	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$15,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)		416-30-13
<b>111651</b>	4-H AND FISH AND WILDLIFE SERVICE GIS MAPPING PROJECT		
	9/1/10 to 8/31/12	EXTENSION/PUBLIC	
	STAKER, JAY	EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
CO-PI	JENSEN, ALAN	EXTENSION COMMUNITY & ECONOMIC DEVELOPMENT-EXT	



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\$15,000	DEERE & COMPANY				400-17-29
<b>114108</b>	NSF I/U/CRC CENTER FOR INFORMATION PROTECTION-JOHN DEERE				
	1/1/11 to 12/31/11	RESEARCH			
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR		
\$13,800	BECKER UNDERWOOD				400-41-10
<b>116475</b>	2011 EVALUATION OF BECKER UNDERWOOD EXPERIMENTAL TURFGRASS SEED TREATMENTS				
	9/24/11 to 12/31/11	RESEARCH			
	CHRISTIANS, NICK		HORTICULTURE-AES/CALS		
\$12,924	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)				419-48-16
<b>116978</b>	RESEARCH SUPPORT AGREEMENT				
	10/1/11 to 9/30/12	RESEARCH			
	BLODGETT, SUE		ENTOMOLOGY-AES/CALS		
\$12,500	AMES CHAMBER OF COMMERCE				400-07-04
<b>116280</b>	BRAND STRATEGY FOR DES MOINES/AMES CORRIDOR				
	9/23/11 to 11/18/11	INSTRUCTION/TRAINING			
	RINGHOLZ, DAVID		ART & DESIGN-DSN		
	CO-PI SATTERFIELD, DEBRA		ART & DESIGN-DSN		
\$11,000	BAYER CROP SCIENCE				400-40-74
<b>115017</b>	SOYBEAN APHID EFFICACY EVALUATION				
	5/23/11 to 12/26/11	RESEARCH			
	HODGSON, ERIN		ENTOMOLOGY-AES/CALS		
\$11,000	IOWA DEPARTMENT OF TRANSPORTATION				474-21-04
<b>115208</b>	THE EVERETT CASEY NATURE CENTER AND RESERVE RECONSTRUCTION PROJECT: RESEARCH EXPERIMENTATION AND EDUCATIONAL OUTREACH				
	10/13/11 to 6/30/12	RESEARCH			
	HARPOLE, WILLIAM		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		
	CO-PI SULLIVAN, LAUREN		ECOLOGY, EVOLUTION & ORGANISMAL BIOLOGY-LAS		

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\$10,595	DOD-AIR FORCE RESEARCH LABORATORY (AFRL)		421-25-50
<b>115939</b>	QUANTITATIVE INSPECTION OF AGING MILITARY AIRCRAFT ADDITIONAL EFFORT-ELECTRONIC RELIABILITY ASSESSMENT		
	4/30/04 to 10/8/12	RESEARCH	
	BRASCHE, LISA	CENTER FOR NONDESTRUCTIVE EVALUATION - IPRT-VPR/ED	
\$10,000	USDA-NATIONAL INSTITUTE OF FOOD & AGRICULTURE (NIFA)		417-30-16
<b>116061</b>	IOWA STATE UNIVERSITY EXTENSION AND OUTREACH PESTICIDE SAFETY EDUCATION PROGRAM FOR FY 2011		
	9/1/11 to 8/31/12	EXTENSION/PUBLIC	
	SCHAEFER, KRISTINE	ENTOMOLOGY-EXT	
\$10,000	USDA-NATURAL RESOURCES CONSERVATION SERVICE (NRCS)		412-30-17
<b>116424</b>	IOWA MANURE MANAGEMENT ACTION GROUP		
	9/26/11 to 9/30/12	EXTENSION/PUBLIC	
	LAWRENCE, JOHN	EXTENSION TO AGRICULTURE & NATURAL RESOURCES-EXT	
	CO-PI RIECK-HINZ, ANGELA	AGRONOMY-EXT	
\$8,046	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-48-02
<b>116757</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	LAMKEY, KENDALL	AGRONOMY-AES/CALS	
\$7,020	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-23-55
<b>116737</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	WANNEMUEHLER, MICHAEL	VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE-VET	
\$7,000	DOD-OFFICE OF NAVAL RESEARCH (ONR)		421-20-11
<b>116479</b>	SUPPORT FOR STUDENT PARTICIPATION IN CAMSAP2011		
	11/10/11 to 3/31/12	RESEARCH	
	DOGANDZIC, ALEKSANDAR	ELECTRICAL & COMPUTER ENGINEERING-ENGR	

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\$6,500	AMERICAN JERSEY CATTLE ASSOCIATION			459-40-30
<b>115654</b>	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)			419-48-25
<b>116758</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$6,000	AJINOMOTO USA INC			400-41-25
<b>116367</b>	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			400-41-12
<b>116453</b>	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)			419-48-04
<b>116756</b>	RESEARCH SUPPORT AGREEMENT			
	10/1/11 to 9/30/12	RESEARCH		
	LAMKEY, KENDALL		AGRONOMY-AES/CALS	
\$5,000	UNION PACIFIC CORPORATION			400-17-29
<b>114446</b>	NSF//CRC CENTER FOR INFORMATION PROTECTION-UNION PACIFIC 011			
	1/1/11 to 12/31/11	RESEARCH		
	JACOBSON, DOUG		ELECTRICAL & COMPUTER ENGINEERING-ENGR	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$5,000	DOI-U.S. FISH & WILDLIFE SERVICE (USFWS)		424-40-13
<b>115698</b>	POPULATION BIOLOGY OF THE MOUNTAIN PLOVER IN MONTANA		
	9/23/11 to 4/30/15	RESEARCH	
	DINSMORE, STEPHEN	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$5,000	GLYCOS BIOTECHNOLOGIES INC		400-72-04
<b>116643</b>	CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP		
	9/3/11 to 9/2/12	RESEARCH	
	SHANKS, BRENT	CHEMICAL & BIOLOGICAL ENGINEERING-ENGR	
\$4,638	IOWA ACADEMY OF SCIENCE		475-40-07
<b>114251</b>	RELATING LAND-USE HISTORY AND MANAGEMENT TO UPLAND SEDGE FIRE AND GRAZING ECOLOGY		
	9/15/11 to 6/30/12	RESEARCH	
	HARR, RYAN	NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	
\$4,120	UNIVERSITY OF ARKANSAS		404-40-15
<b>93292</b>	INTEGRAL VALORISATION OF BIO-PRODUCTION		
	9/1/08 to 8/31/12	RESEARCH	
	JOHNSON, LAWRENCE	FOOD SCIENCE & HUMAN NUTRITION-CALS	
	CO-PI RAMAN, DAVE	AGRICULTURAL & BIOSYSTEMS ENGINEERING-CALS	
\$3,240	USDA-AGRICULTURAL RESEARCH SERVICES (ARS)		419-23-56
<b>116875</b>	RESEARCH SUPPORT AGREEMENT		
	10/1/11 to 9/30/12	RESEARCH	
	HAYNES, JOSEPH	VETERINARY PATHOLOGY-VET	
\$3,000	MRIGLOBAL		400-17-73
<b>116742</b>	U.S. ROAD ASSESSMENT PROGRAM (USRAP) ACTIVITIES MODIFICATION 18		
	5/21/04 to 12/31/11	RESEARCH	
	HANS, ZACHARY	INSTITUTE FOR TRANSPORTATION-VPR/ED	
	CO-PI NAMBISAN, SHASHI	INSTITUTE FOR TRANSPORTATION-VPR/ED	

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\$2,500	OPX BIOTECHNOLOGIES INC	400-72-04
<b>116628</b>	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	400-30-29
<b>116566</b>	LOCAL SUPPORT FOR IOWA AMERICORPS STATE OF PROMISE PROGRAM	
	9/1/11 to 8/31/12 EXTENSION/PUBLIC	
	TALLMAN, KELI EXTENSION 4-H YOUTH DEVELOPMENT-EXT	
\$1,336	USDA-FARM SERVICE AGENCY (FSA)	412-21-05
<b>116422</b>	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)	412-21-05
<b>116423</b>	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	478-30-93
<b>115248</b>	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	410-40-67
<b>115130</b>	NORTH CENTRAL REGIONAL AQUACULTURE CENTER EXTENSION PROJECT	
	9/1/11 to 8/31/12 INSTRUCTION/TRAINING	
	MORRIS, JOSEPH NATURAL RESOURCE ECOLOGY & MANAGEMENT-AES/CALS	

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**II. GIFTS, GRANTS, CONTRACTS AND MEMORANDA OF AGREEMENT**

\$1,000 ALLYLIX INC

400-72-04

**116649** CENTER FOR BIORENEWABLE CHEMICALS (CBIRC) MEMBERSHIP

9/16/11 to 9/15/12 RESEARCH

SHANKS, BRENT

CHEMICAL & BIOLOGICAL ENGINEERING-ENGR