Category	Project Title	ID#	Investigator	Organization
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Animal Science	North American Swine Energy System, 2nd Year	07-011	Pettigrew, James E.	University of Illinois
Animal Science	Development of a Soy Allergenicity Model in Swine - YEAR 2 (06-085)	07-240	Barfield, Tracy	SmithBucklin Corporation
Animal Welfare	Retrofit an Optimized Gestation Stall System Based on Sow Well-being: A pilot study	07-026	Salak-Johnson, Janeen L.	University of Illinois
Animal Welfare	Assessment of lameness, pain and culling risk in sows	07-039	Deen, John	Regents of the University of Minnesota
	Evaluation of the relationship between hoof abnormalities			
	and breeding herd female longevity and well-being when			
Animal Welfare	housed in gestation and farrowing stalls.	07-051	Johnson, Anna	Iowa State University
Animal Welfare	Gestating sows' preference for open, closed and animal- controlled stall designs	07-082	Pajor, Edmond	Purdue University
	The effect of alleyway width on sow behavior and welfare in			
Animal Welfare	a free-access gestation stall housing system	07-083	Pajor, Edmond	Purdue University
Animal Welfare	Impact of group size and diet on behavior and physiology of sows	07-105	Salak-Johnson, Janeen L.	University of Illinois
	Understanding and reducing aggression using pre-			,
	exposure, when sows are mixed in a grouped gestation			
Animal Welfare	system	07-128	Marchant Forde, Jeremy	USDA, ARS, Midwest Area
Animal Welfare	Sow Housing Conversion Survey	07-239	Arnott, Charlie	CMA Consulting
	Development of an Air Quality Self Assessment Tool			
Environment/Odor	(AQSAT) for swine producers	07-013	Powers, Wendy	Michigan State University
	Enhancing the Value of Swine Manure and Nutrient			
Environment/Odor	Availability with Application Timing and Cover Crops	07-031	Randall, Gyles W.	Regents of the University of Minnesota
F :	Phosphorus Recovery from Concentrated Wastewater with	07.000	NA . BUT	
Environment/Odor	a Continuous-Flow Struvite Crystallizer	07-032	Westerman, Philip	North Carolina State University
Environment/Odor	Alternative Biofilter Media Testing	07-034	Janni, Kevin	Regents of the University of Minnesota
[	Air Quality/Emission and Energy Usage Impacts of No Pit	07.040	Jacobson Laure D	Danish of the Heisensite of Misses and
Environment/Odor	fans in a Wean to Finish Deep Pit Pig Facility Field and Wind Tunnel Evaluation of Vegetative Buffers for	07-042	Jacobson, Larry D.	Regents of the University of Minnesota
	Particulate Trapping and Odor Reduction Near Swine			
Environment/Odor	Production Facilities	07-048	Sauer, Thomas J.	USDA, ARS, Midwest Area
Environment Gdor	Simultaneous treatment of swine odor and airborne	07 040	Caaci, memas c.	OCEPT, FIRE, IMIGWOST FIELD
Environment/Odor	pathogens by UV light	07-091	Koziel, Jacek	Iowa State University
	White Paper: Utilization of Manure Nutrients for Soybean			
Environment/Odor	Crop Production	07-098	Burns, Robert T.	Iowa State University
	Demonstrating Innovative Use of Precision Farming			·
	Technologies to Optimize Manure Nutrient Utilization and			
Environment/Odor	Reduce Environmental Concerns	07-106	Wolkowski, Richard	University of Wisconsin-Madison
	Implementing Mass Nutrient Balance Procedures on Swine			
Environment/Odor	Production Facilities	07-133	Koelsch, Rick	University of Nebraska-Lincoln
	Mass balance of nutrients for the finishing phase as	<u></u>		
Environment/Odor	affected by dietary manipulation	07-134	Carter, Scott	Oklahoma State University
	Impact of Liquid Swine Manure Application on Soybean			
Environment/Odor	Yield and Surface and Ground Water Quality	07-135	Kanwar, Ramesh S.	Iowa State University
Environment/Public Health	Tetracycline concentrations and circulation of tet genes in swine feeding operations and adjacent environments	07-027	Barkovskii, Andrei	Georgia College & State University
Environment/Fublic Health	Swine resuling operations and adjacent environments	01-021	Darkovskii, Allulei	Occorgia College & State Offiversity

Category	Project Title	ID#	Investigator	Organization
- caregory	Epidemiology, Toxino- and Geno-typing of Clostridium		Gebreyes, Wondwossen	
Environment/Public Health	difficile in swine at farm, slaughter and retail.	07-044	A.	Ohio State University
	A Quantitative Risk Assessment for Salmonella spp in Pork	0, 0, 1		Cine Clare Cini cicily
Environment/Public Health	Meat	07-079	Hartnett, Emma	Risk Sciences International, Inc.
Zivii Giiii Giii Qii Gii Gii Gii Gii Gii Gi	Development and Testing of a Hydrogen Sulfide Detection	07 070	Tiditilott, Ellina	Their colonicos international, inc.
Environment/Public Health	System for Use in Swine Housing	07-086	Burns, Robert T.	Iowa State University
Environmental abile meatin	Training NC Pork Producers and Extension Agents in	07 000	Burne, Robert 1.	lowa State Shiversity
Human Health & Safety	Occupational Safety	07-225	See, Miles Todd	North Carolina State University
Tramam realth & Carety	Pork Industry Health and Safety Training - Seminars and	01-223	oce, willes road	North Garolina State Oniversity
Human Health & Safety	Online Courses	07-226	Donham, Kelley	University of Iowa
Tullian Health & Salety	Energy and amino acid digestibility of corn distillers syrup by-	07-220	Donnam, Reliey	Offiversity of Iowa
Nutritional Efficiency		07.440	Shuraan Carold	Degente of the University of Minnesote
Nutritional Efficiency	products in growing pigs	07-143	Shurson, Gerald	Regents of the University of Minnesota
Nicotaldian al Efficiana	Influence of Rapid Introduction and Removal of Dietary	07.444	Observation Observation	Departs of the Heliconsite of Missesset
Nutritional Efficiency	DDGS on Pig Performance and Carcass Characteristics	07-144	Shurson, Gerald	Regents of the University of Minnesota
L	Influence of dietary DDGS and glycerol on pork loin and			
Nutritional Efficiency	bacon quality.	07-148	Houser, Terry	Kansas State University
	Utilizing Glycerol in Swine Diets: I. Feed Manufacturing			
	Considerations and II. Nutritional Strategies to Reduce			
Nutritional Efficiency	Dietary Costs	07-151	McKinney, Leland	Kansas State University
	Assessment of Distillers Dried Grains with Solubles (DDGS)			
	from Ethanol Production on Performance and Carcass			
Nutritional Efficiency	Quality of Growing-Finishing Swine	07-152	Cromwell, Gary L.	University of Kentucky
	Identification of biological factors responsible for differences			
	in feed efficiency between selection lines for residual feed			
Nutritional Efficiency	intake	07-161	Dekkers, Jack C.M.	Iowa State University
Nutritional Efficiency	Evaluation of crude glycerol in swine	07-165	Kerr, Brian	USDA, ARS, Midwest Area
	Evaluation of Choice White Grease and Beef Tallow to			
	Improve Pork Quality when Pigs are fed Distillers Dried			
Nutritional Efficiency	Grains	07-167	Richert, Brian T.	Purdue University
	Digestibility of dietary fiber from distillers co-products fed to			
Nutritional Efficiency	growing pigs	07-170	Stein, Hans H.	University of Illinois
·	Net energy of three sources of distillers dried grains with			·
Nutritional Efficiency	solubles fed to growing pigs	07-172	Stein, Hans H.	University of Illinois
,	Critical review of literature on feeding bio-fuels co-products			,
Nutritional Efficiency	to pigs	07-173	Stein, Hans H.	University of Illinois
			,	
Pork Quality	Pork Quality Benchmark Project-Year 2	07-005	Moeller, Steven J.	Ohio State University
	Efficacy of Ultrasonic Technology to Reduce Pathogens	0. 000		
Pork Safety/Post-Harvest	Associated with Fresh and Ready-to-Eat Pork Products	07-195	Cutter, Catherine N.	Pennsylvania State University
. S. Caroty, Foot Harvoot	Methicillin Resistant Staphylococcus aureus in pigs, pork	07 100	Canon, Camonino II.	. Similarity State State States
Pork Safety/Post-Harvest	products and swine veterinarians	07-196	Davies, Peter	Regents of the University of Minnesota
1 on Galety/1 ost-Harvest	Impact of organic acids and sanitizers on Salmonella	01-130	Davido, i didi	Trogonia of the offiversity of Millinesota
	serovars with and without SGI1-mediated multi-antibiotics			
Pork Safety/Post-Harvest	resistance	07-200	Harrison, Mark A.	University of Georgia
FUR Salety/FUST-Harvest	Does pre-slaughter transportation and lairage affect	07-200	i iaiii50ii, ividik A.	Oniversity of Georgia
Dork Cofoty/Dro Hamiss	Salmonella enterica shedding prevalence and levels in	07.005	Dootogno Marsas	LICDA ADC Midwoot Arcs
Pork Safety/Pre-Harvest	market pigs?	07-025	Rostagno, Marcos	USDA, ARS, Midwest Area
Davis Oafats/D	Enumeration of Salmonella throughout the Pork Harvesting	07.050	Constint Mint	LIODA ADO Northorn Die'
Pork Safety/Pre-Harvest	Process	07-050	Guerini, Michael	USDA-ARS, Northern Plains Area

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			5511.941.51	- Jan
Pork Safety/Pre-Harvest	Identifying genes associated with Salmonella shedding to increase pork safety through improved genetic resistance	07-062	Tuggle, Chris	Iowa State University
Pork Safety/Pre-Harvest	Survival of North American Genotypes of Trichinella in Frozen Pork	07-088	Hill, Dolores	USDA, ARS, Beltsville Area
Pork Safety/Pre-Harvest	Efficacy of novel food antimicrobial combinations for control of Listeria monocytogenes for preservation of ready-to-eat (RTE) products	07-186	Taylor, Thomas	Texas A&M University
Pork Safety/Pre-Harvest	CAMPYLOBACTER COLONIZATION DYNAMICS IN PIGS	07-202	Rajashekara, Gireesh	Ohio State University
Pork Safety/Pre-Harvest	Survey of Injection Methodologies and Carcass Defects in Pork Production	07-219	Daniels, C. Scanlon	Circle H Animal Health, LLC
Pork Safety/Pre-Harvest	Pharmocokinetics and tissue residues of procaine penicillin G in finishing swine after administration of 33,000 IU/kg intramuscularly and by needle-free injection in the neck.  Pharmacokinetics and tissue residues of procaine penicillin G in sows after administration of 33,000 IU/kg	07-234	Apley, Michael	Kansas State University
Pork Safety/Pre-Harvest	intramuscularly and by needle-free injection - PART A LIVE ANIMAL WORK	07-235	Karriker, Locke	Iowa State University
Pork Safety/Pre-Harvest	Literature Review of Health Effects Testing Related to Livestock Production	07-237	Fitzpatrick, Melanie	SmithBucklin Corporation
Pork Safety/Pre-Harvest	Development and Implementation of a Workplace Safety Reporting Database for the Pork Production Industry	07-238	Lassiter, Andrea L.	Organizational Effectiveness Research Group
Swine Health	Development of a non-antibiotic selection vector for developing a live vaccine against ETEC associated porcine post-weaning diarrhea (PWD)	07-006	Zhang, Weiping	South Dakota State University
Swine Health	Development of a live attenuated vaccine against swine influenza by reverse genetics	07-019	Zhou, Yan	University of Saskatchewan
Swine Health	The effect of cross-fostering on the transfer of cellular and humoral maternal immunity to Mycoplasma hyopneumoniae.	07-023	Molitor, Thomas W.	Regents of the University of Minnesota
Swine Health	Genome sequencing of Haemophilus parasuis for improved swine health	07-038	Phillips, Gregory	lowa State University
Swine Health	Application of an Epidemiologic Survey Tool for Lawsonia intracellularis  Improving Swine Health: Enhancing Humoral and Cell-	07-053	Gebhart, Connie C.	Regents of the University of Minnesota
Swine Health	Mediated Immunity Using Novel Polymer Adjuvants	07-070	Wannemuehler, Michael	Iowa State University
Swine Health	Prevalence of slaughter house condemnation due to Erysipelothrix sp. and further characterization of isolates associated with these cases	07-072	Opriessnig, Tanja	Iowa State University
Swine Health	Is humoral immunity defective in PCV-2 infected piglets?	07-201	Butler, John E.	University of Iowa
Swine Health	PCVAD Induced Immune Dysfunction	07-208	Hesse, Richard	Kansas State University
Swine Health	Head-to-head comparison of the level of protection and duration of immunity induced by different commercial and an autogenous PCV2 vaccine	07-210	Opriessnig, Tanja	Iowa State University

Category	Project Title	ID#	Investigator	Organization
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	Determination of the amount of PCV2 needed for			
	intrauterine transmission and assessment of effect of PCV2			
Swine Health	exposure (natural and vaccine) prior to insemination	07-211	Opriessnig, Tanja	Iowa State University
- Cwine Health	Transmission of PCV2: Comparison of shedding patterns	07 211	Opricooning, ranja	lowa otate criticality
	between PCV2a and PCV2b, evaluation of routes of			
	transmission (fecal, oral, nasal, mechanical) and			
	understanding the roles of spray-dried plasma and transport			
Swine Health	vehicles.	07-212	Opriessnig, Tanja	Iowa State University
	Comparison of the efficacy of sow vaccination versus piglet		3, 2, 3	,
	vaccination for PCV2 and evaluation of the impact of			
Swine Health	revaccination with a homologous PCV2 vaccine	07-217	Baker, Rodney (Butch)	Iowa State University
	Molecular Epidemiology of Porcine Circovirus in the US			
Swine Health	Swine Herd	07-221	Murtaugh, Michael P.	Regents of the University of Minnesota
	Development of new risk assessments and enhancements		in a second of the second of t	
	to the web application for the Production Animal Disease			
Swine Health	Risk Assessment Program	07-236	Holtkamp, Derald	Iowa State University
	Understanding the role of the regulatory immune response		, , , , , , , , , , , , , , , , , , , ,	,
Swine Health - PRRS	in PRRSV persistence	07-103	LeRoith, Tanya	Virginia Polytechnic Institute and State University
	Identification of interferon antagonists of PRRSV viral			J sa system is a same a same is a system i
Swine Health - PRRS	structural proteins	07-108	Faaberg, Kay S.	USDA, ARS, Midwest Area
	Assessing the use of biofilters as a means to reduce the		3, 1, 1	, , , , , , , , , , , , , , , , , , , ,
Swine Health - PRRS	excretion of PRRS virus into the environment	07-109	Dee, Scott A.	Regents of the University of Minnesota
	Use of a production region model to evaluate biosecurity			
	protocol efficacy for reducing the risk of PRRSV and			
Swine Health - PRRS	Mycoplasma hyopneumoniae spread between farms.	07-110	Dee, Scott A.	Regents of the University of Minnesota
	Elimination of Porcine Reproductive and Respiratory			
	Syndrome Virus (PRRSV) from semen: 'On Farm'			
	Mechanical and Antiviral Methods		Christopher-Hennings,	
Swine Health - PRRS		07-111	Jane	South Dakota State University
	Induction of cross-protective immunity without exposure to			
Swine Health - PRRS	live PRRSV	07-112	Enjuanes, Luis	Centro Nacional de Biotecnologia (CNB), CSIC
Swine Health - PRRS	Inactivation of PRRSV using ultraviolet light	07-119	Zimmerman, Jeffrey	Iowa State University
	Implementation of a PRRSV Strain Database(Renewal of			
Swine Health - PRRS	NPB project #06-127)	07-125	Faaberg, Kay S.	USDA, ARS, Midwest Area
	Diagnostic Characteristics of Oral Fluid for Detection of			
Swine Health - PRRS	PRRS	07-129	Murtaugh, Michael P.	Regents of the University of Minnesota
	Identification of protective epitopes toward developing a			
	vaccine providing broad cross-protection against various			
Swine Health - PRRS	PRRS viruses	07-130	Kim, Won-II	Iowa State University
	Estimating the infectious dose for transmission of PRRS			
Swine Health - PRRS	virus by aerosol exposure	07-131	Zimmerman, Jeffrey	Iowa State University
	Rathional Design of a New Generation of PRRSV			
Swine Health - PRRS	Differential (Marker) Vaccines (Renewal 06-177)	07-232	Osorio, F. A.	University of Nebraska-Lincoln
	PRRS Host Genetics Consortium: A proposal to develop a			
	consortium to study the role of host genetics and resistance			
Swine Health - PRRS	to PRRSV	07-233	Rowland, Raymond R.	Kansas State University
STATE FUNDED				
	Role of F4/F18 negative E. coli in post-weaning diarrhea			
Swine Health	and edema disease	07-015	Cornick, Nancy	Iowa State University
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Category	Project Title	ID#	Investigator	Organization
	'Enhanced virulence and treatment of multiple antibiotic			
Swine Health	resistant Salmonella choleraesuis in swine'	07-076	Carlson, Steve	Iowa State University
	International collaboration to investigate the sensitivity and			
Swine Health	specificity of Mycoplasma hyopneumoniae PCR assays	07-094	Thacker, Eileen	Iowa State University
	Effects of high and low virulent PCV2 on activated PBMC			
Swine Health	populations	07-138	Thacker, Eileen	Iowa State University
	Selection lines to enhance genetic selection for feed			
Animal Science	efficiency	07-139	Dekkers, Jack C.M.	Iowa State University
	Evaluation of the Effectiveness of the ISU Community			
Environment/Odor	Assessment Model in the Siting of Swine Production Units	07-231	Harmon, Jay	Iowa State University
	Epidemiological investigation of the role of retroviremia in			
Swine Health	endemic diseases of swine.	07-065	Baker, Rodney (Butch)	Iowa State University