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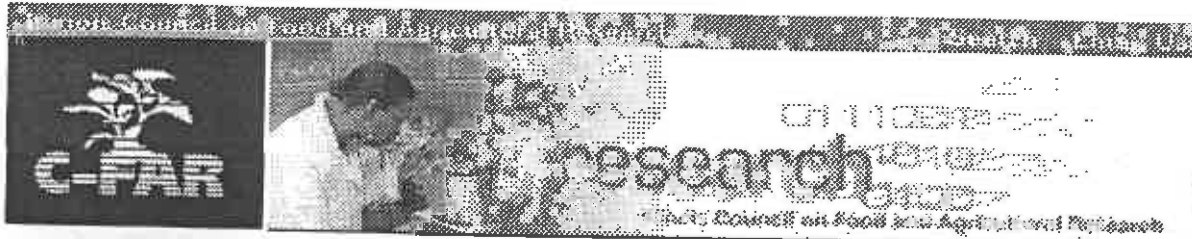
C-FAR FY05 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
05E-013-5	Evaluation of Offal Composting as an Alternative to Rendering	Paul Walker Illinois State University Agriculture	\$95,471 3-Year
05E-036-4	Clinical Testing of the Anti-Diabetic Effects of High-Isoflavone Soy Protein	William Banz Southern Illinois University at Carbondale Animal Science, Food and Nutrition	\$144,667 3-Year
05E-047-3	Testing and On-Farm Application of Odor Reduction Technologies for Swine Facilities	Mike Ellis University of Illinois at Urbana-Champaign Animal Sciences	\$144,667 2-Year
05E-074-1	Expanding Market for Activated Carbon from Corn-to-Ethanol By-Products	Massoud Rostam-Abadi Illinois State Geological Survey Energy and Environmental Engineering	\$48,416 1-Year
05E-101-2	Building Illinois Meat Supply Chains: Analyzing Processors and Meat Managers	Darlene Knipe University of Illinois Extension	\$86,796 2-Year

Note: The last number of the project number refers to the research focus area under which the project was funded.

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C-FAR FY04 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
04E-015-4	Evaluating the Beneficial Health Effects of Conjugated Linoleic Acid	William Banz Southern Illinois University at Carbondale Animal Science, Food and Nutrition	\$115,158* 3-Year
04E-030-4	High Quality Protein Enhances Diet Control of Type 2 Diabetes	Donald Layman University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$73,018 2-Year
04E-056-3	Strategies for Management of Vegetable Diseases in Organic and Traditional Farms	Mohammad Babadoost University of Illinois at Urbana-Champaign Crop Sciences	\$90,681 2-Year
04E-072-1	Effect of Milling Parameters on Fiber and its Removal from the DDGS	Vijay Singh University of Illinois at Urbana-Champaign Agricultural Engineering	\$54,596 2-Year
04E-084-5	Identification of the Sources of Nitrate in the Upper Illinois River	Samuel Panno Illinois State Geological Survey	\$80,000 2-Year
04E-104-2	Development of High Lauric Acid Cuphea Varieties	Winthrop Phippen Western Illinois University Agriculture	\$107,130 3-Year

*\$14,775 of this award will be made from the FY05 External Competitive Grants Program funding.

Note: The last number of the project number refers to the research focus area under which the project was funded.

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C-FAR FY02 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
02E-008-1	Advanced but Affordable Composites from Agricultural By-Products	Vivak Malhotra Southern Illinois University Physics	\$91,000 2-Year
02E-037-1	Assessing the Role of Health Benefits in the Consumption of Soy-Based Foods	Wanki Moon Southern Illinois University Agribusiness Economics	\$90,000 2-Year
02E-070-1	Coproduct Characterization from Dry Grind Ethanol Processing for Enhanced Value	Kent Rausch University of Illinois at Urbana-Champaign Agricultural Engineering	\$48,745 2-year
02E-073-1	Enhancing Value of Corn by Fermentation to Butanol and Removal by Extraction	Nasib Qureshi University of Illinois at Urbana-Champaign Food Science & Human Nutrition	\$115,000 2-year
02E-120-1	Determining the CLA Production Capacity of Ruminant Diets	Kenneth Griswold Southern Illinois University Animal Science, Food and Nutrition	\$108,000 2-year
02E-018-2	GROW ILLINOIS AG: An Expansion	Susan Kohler Southern Illinois University Office of Economic and Regional Development	\$84,000 2-year
02E-034-2	An Integrated Planning Tool for Dairy Systems that are EES Viable in Illinois	Phillip Eberle Southern Illinois University Agribusiness Economics	\$57,310 1-year
02E-048-2	Economics of Grazing Stocker Cattle as a Sustainable Alternative to Row Crops	Kenneth Nimrick Western Illinois University Agriculture	\$78,000 2-year
02E-123-2	Alternative, Flexible Pollination Systems for Sustainable Fruit Production	Stewart Jacobson University of Illinois at Springfield - Abraham Lincoln Presidential Center for Governmental Studies	\$67,183 2-year
02E-124-2	Increasing Wool Value Through Producer Cooperatives & Niche Markets	Dean Oswald University of Illinois at Urbana-Champaign Extension	\$25,000 2-year

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02E-148-2	Innovative Finishing and Marketing Strategies for Small Beef Producers	Dan Faulkner University of Illinois at Urbana-Champaign Animal Sciences	\$90,000 2-year
02E-010-3	Evaluation of Ultrasound and Genetic Markers for Cattle in a High-Quality Market	Larry Berger University of Illinois at Urbana-Champaign Animal Sciences	\$53,400 2-year
02E-022-3	The Post-Antibiotic Era of Food Production	Keith Kelley University of Illinois at Urbana-Champaign Animal Sciences	\$90,000 2-year
02E-023-3	Utilization of New SCN Resistance Genes from Glycine Tomentella	Brian Diers University of Illinois at Urbana-Champaign Crop Sciences	\$71,000 2-year
02E-061-3	Value Added Traits: Sustainability and Efficiency of Production Systems	Khalid Meksem Southern Illinois University Plant, Soil and General Agriculture	\$128,000 2-year
02E-092-3	Probiotics as an Alternative to Antibiotics in the Diet of Weaning Pigs	Roderick Mackie University of Illinois at Urbana-Champaign Animal Sciences	\$107,000 2-year
02E-131-3	Increasing the Genetic Diversity of Illinois Horseradish	Andrew Hamblin University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$45,199 2-year
02E-147-3	Remote Sensing Methods to Identify Nitrogen Deficiencies in Corn in the Low Organic Matter in Soils of IL	Adam Anderson University of Illinois at Urbana-Champaign Crop Sciences	\$59,400 2-year
02E-152-3	Harnessing the Benefits of an Apple Scab Resistance Gene	Schuyler Korban University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$104,400 2-year
02E-076-4	Irradiation Of Processed Pork Products To Increase Profits In The Pork Industry	Bryon Wiegand Illinois State University Agriculture	\$99,704 2-year
02E-082-4	Effects of Fumonisin on Atherosclerotic Disease	Wanda Haschek-Hock University of Illinois at Urbana-Champaign Veterinary Pathobiology	\$62,910 1-year
02E-113-4	Mycobacterium Paratuberculosis Thermal Inactivation and Incidence in Fluid Milk	Joseph Dunn The Illinois Institute of Technology The National Center for Food Safety & Technology	\$62,000 1-year
02E-119-4	An Evaluation of the Safety of a Genetically Modified Corn: A Porcine Model	Gary Apgar Southern Illinois University Animal Science, Food and Nutrition	\$110,000 2-year
02E-	Biomarkers to Study Synergy Among Phytochemicals in	Matthew Wallig University of Illinois at	\$32,000

140-4	Prevention of Cancer by AFB	Urbana-Champaign Veterinary Pathobiology	1-year
02E-005-5	In-Season Site-Specific Nitrogen Management For Corn	Qin Zhang University of Illinois at Urbana-Champaign Agricultural Engineering	\$76,112 2-year
02E-014-5	Identification of Carbon Sequestration Factors in Illinois Agricultural Systems	Steven Hollinger University of Illinois at Urbana-Champaign Illinois State Water Survey	\$24,355 1-year
02E-052-5	On-line Hydrologic Model for Watershed Management	Richard Farnsworth University of Illinois at Urbana-Champaign Agricultural and Consumer Economics	\$92,500 2-year
02E-064-5	Evaluation of BT Toxin Persistence in Soils	Michelle Wander University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$56,581 1-year
02E-135-5	Extent, Characteristics, and Management of ALS resistant Nightshade	F. William Simmons University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$34,000 1-year
02E-156-5	Hydrologic and Water Quality Consequences of Alternative Crop Management	Gregory McIsaac University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$77,054 2-year

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C-FAR FY03 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
02E-064-5*	Evaluation of BT Toxin Persistence in Soils	Michelle Wander University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$60,000 2-Year
03E-005-5	Effects of Tillage, Lime Rate and Timing of Limestone Application on Acid Soils	Stephen A. Ebelhar University of Illinois at Urbana-Champaign Crop Sciences	\$32,400 2-Year
03E-009-2	Determining the Market Potential of Organic Food Production in Illinois	Martha S. Bazik University of Illinois at Urbana-Champaign AEDI, Rock Island County Extension	\$70,000 2-Year
03E-023-3	The Effect of Using Disease-Free Planting Stock on Horseradish Yield and Quality	Robert M. Skirvin University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$75,000 2-Year
03E-033-2	Native Herbaceous Perennials as Alternative Crops for Illinois Nurseries	Janice M. Coons Eastern Illinois University Biological Sciences	\$100,000 2-Year
03E-044-1	From Research to Marketable Wheat By-Product Composites: Phase II	Vivak M. Malhotra Southern Illinois University at Carbondale Physics	\$100,000 2-Year
03E-077-5	Quantifying the Fertilizer N Needs of Corn Based Upon a New Organic N Soil Test	Edward C. Varsa Southern Illinois University at Carbondale Plant, Soil, and General Agriculture	\$100,000 2-Year
03E-084-4	Soy Saponins as Colon Cancer Inhibitors	Keith W. Singletary University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$110,000 2-Year
	Origin-Based Branding	Brian Wansink University of Illinois at	\$45,000

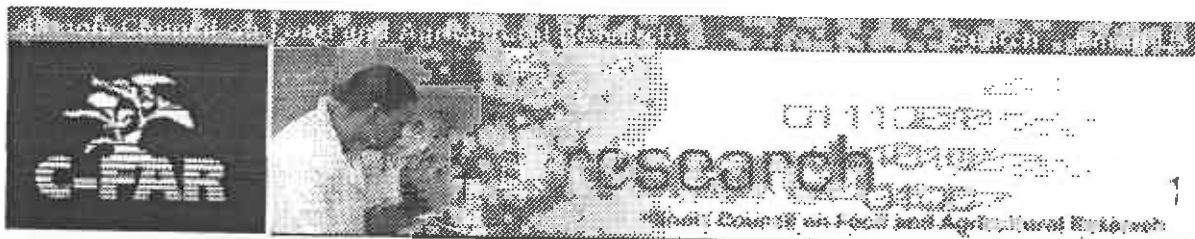
03E-085-3	of Illinois Commodities	Urbana-Champaign Business Administration	2-Year
03E-095-3	Meeting Community Standards to Improve Siting of Livestock Facilities	Peter D. Goldsmith University of Illinois at Urbana-Champaign Agricultural and Consumer Economics	\$30,000 1-year
03E-099-2	Building Supply Chains Linking Illinois Livestock Producers with Urban Markets	Darlene S. Knipe University of Illinois at Urbana-Champaign Extension & Agricultural and Consumer Economics	\$90,000 2-Year
03E-116-1	Increasing Butanol Yield by Fermenting Degermed Corn to Benefit Illinois Farmers	Nasib Qureshi University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$125,000 2-year
03E-125-4	Pasteurizing Fruit Juices with a Resonant Macrosonic Synthesis Pasteurizer	Hao Feng University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$75,000 2-Year
03E-154-3	Evaluating Genetically Modified Organisms (GMOs) for Safety, Equivalence, and Reduction of Environmental Impact	David A. Lightfoot Southern Illinois University at Carbondale Plant, Soil and General Agriculture	\$144,000 2-Year
03E-157-1	Public Promotional Efforts for Dairy Industry vs Structural Changes in the Dairy Industry	Phillip R. Eberle Southern Illinois University at Carbondale Agribusiness Economics	\$80,000 2-year
03E-158-4	Mycobacterium Paratuberculosis Thermal Inactivation and Incidence in Fluid Milk	Joseph Dunn Illinois Institute of Technology The National Center for Food Safety & Technology	\$50,000 1-year

*Project 02E-064-5 was provided first year funding from FY02 funds with a commitment to fund the second year of research from FY03 funds.

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C-FAR FY01 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
01E-035-1	Scale-up of a High Productivity Continuous Reactor for Butanol Production	Nasib Qureshi University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$40,000 2-Year
01E-045-1	Application of Extractable Starch Corn Calibration in Illinois Country Elevators	Dennis Thompson Illinois Crop Improvement	\$80,000 2-Year
01E-055-1	Construction Composites From Wheat By-Products	Vivak Malhotra Southern Illinois University Physics	\$90,000 2-year
01E-119-1	Improving Phytoestrogen Content in Soybeans: A Non-GMO Approach	Todd Winters Southern Illinois University Animal Science, Food and Nutrition	\$130,000 2-year
01E-120-1	Soy Isoflavones: A Value-Added Nutraceutical on Swine Reproduction	Todd Winters Southern Illinois University Animal Science, Food and Nutrition	\$132,000 2-year
01E-124-1	Measurement of DNA Methylation: A Tool for Predicting Cloning Success	Karen Jones Southern Illinois University Animal Science, Food and Nutrition	\$58,437 1-year
01E-063-2	Develop Marketing Resources & Networks for Producers of Value-Added Meat Product	Darlene Knipe University of Illinois at Urbana-Champaign Extension	\$85,000 2-year
01E-077-2	Assessing Needs for a Viable Illinois Dairy Industry	Phillip Eberle Southern Illinois University Agribusiness Economics	\$138,000 2-year
01E-110-2	Identification of Potential Alternative Crops for Illinois	Steven Hollinger University of Illinois at Urbana-Champaign Illinois State Water Survey	\$120,000 2-year

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01E-116-2	Illinois Producer Market Education Workshop: Marketing Value Enhanced Grains	Dale Posthumus U.S. Grains Council/Grains Foundation	\$32,500 1-year
01E-020-3	Variety Evaluation and Nitrogen Management of Wheat Types in Illinois	Stephen Ebelhar University of Illinois at Urbana-Champaign Crop Sciences	\$75,700 2-year
01E-044-3	Development of Added-Value Low Phytate High Oil Corn Hybrids	Robert Lambert University of Illinois at Urbana-Champaign Crop Sciences	\$65,000 2-year
01E-047-3	Improving Illinois Beef Quality Through a Heifer AI and Development Program	Darrel Kesler University of Illinois at Urbana-Champaign Animal Sciences	\$70,000 2-year
01E-064-3	Economic Optimization of Wean-to-Finish Pork-Production Systems	Gilbert Hollis University of Illinois at Urbana-Champaign Animal Sciences	\$122,000 2-year
01E-093-3	Evaluating Corn GMOs for Safety, Equivalence, and Environmental Impact	David Lightfoot Southern Illinois University Plant, Soil and General Agriculture	\$173,024 2-year
01E-003-4	Identification of Human Food Corn Hybrids with Low Levels of Fumonisin	Donald White University of Illinois at Urbana-Champaign Crop Sciences	\$51,200 2-year
01E-028-4	Dietary Protein & Exercise are Keys to Body Weight, Fat & Blood Lipids	Donald Layman University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$86,000 2-year
01E-051-4	Antibiotic Resistance in Dairy Herds: Assessment of the Risk to Food Safety	Randall Singer University of Illinois at Urbana-Champaign Veterinary Pathobiology	\$100,000 2-year
01E-091-4	Control of the Growth of the Foodborne Pathogen <i>Listeria monocytogenes</i>	Brian Wilkinson Illinois State University Biological Sciences	\$100,000 2-year
01E-100-4	Effects of Dietary Soy Isoflavones on Rejection of Organ Transplants	Timothy O'Connor Southern Illinois University Surgery, School of Medicine	\$97,514 2-year
01E-019-5	Viruses, Antibiotics, Bacteria, and Nutrients in Groundwater at Swine Facilities	Ivan Krapac Illinois State Geological Survey	\$51,084 1-year
01E-021-5	Effect of Tillage, Lime Rate and Timing of Limestone Application on Acid Soils	Stephen Ebelhar University of Illinois at Urbana-Champaign	\$28,900 2-year

		Crop Sciences	
01E-041-5	Assessment of Best Management Practices in the Lake Springfield Watershed	Mark Cochran Sangamon County Soil and Water Conservation District	\$50,000 2- year
01E-042-5	Map Illinois: Archival and Online Distribution of Illinois DOQs	Christopher McGarry Illinois State Geological Survey	\$80,000 2- year
01E-057-5	Economically Extending the Grazing Season for Cattle	John Carlson Western Illinois University Agriculture	\$64,841 2- year
01E-123-5	Effectiveness of Vegetative Filter Strip (VFS) Systems for Treating Dairy Farm Wastewater	Kenneth Griswold Southern Illinois University Animal Science, Food and Nutrition	\$180,000 2- year

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C-FAR FY00 FUNDED EXTERNAL PROJECTS

Project Number	Project Title	Principal Investigator	Funding
00E-010-1	Influence of Corn Hybrid on Dry Milling and Extrusion Product Performance	Kent D. Rausch University of Illinois at Urbana-Champaign Agricultural Engineering	\$80,000 2-Year
00E-020-1	Exploration of Wheat Kernel Hardness and Protein Levels in Search of Added Value	Dennis R. Thompson Illinois Crop Improvement Association, Inc.	\$50,000 2-Year
00E-029-1	Hydrogenation of Soybean Oil by a Novel Low Temperature Electrochemical Process	Shashi B. Lalvani Southern Illinois University	\$94,964 2-year
00E-034-1	Ultrasonic Detection of Intramuscular Fat in Swine	John P. Carlson Western Illinois University Agriculture	\$16,784 1-year
00E-047-1	New Genes for Sustainable Agriculture II	David A. Lightfoot Southern Illinois University Plant, Soil and General Agriculture	\$77,481 2-year
00E-052-1	Composite from Recycled Plastics and Agricultural Fibers	Poo Chow University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$67,000 2-year
00E-032-2	Grassland Management School in the Grand Prairie Region of Illinois	David B. Bowman University of Illinois at Urbana-Champaign Office of Continuing Education	\$100,000 2-year
00E-037-2	Future for Wheat in Illinois	Phillip R. Eberle Southern Illinois University Agribusiness Economics	\$43,406 2-year
00E-045-2	Creation of a Strategic Profit Model for the Illinois Beef Industry	Dan B. Faulkner University of Illinois at Urbana-Champaign	\$102,000 2-year

		Animal Sciences	
00E-058-2	Grow Illinois Ag: A Proposal to Inventory and Grow Innovative Illinois Enterprises	Kyle L. Harfst Southern Illinois University Office of Economic and Regional Development	\$90,000 2-year
00E-063-2	Market Research to Support the Development of the Illinois Aquaculture Industry	Susan T. Kohler Southern Illinois University Office of Economic and Regional Development	\$75,000 2-year
00E-023-3	Effect of Sire Marbling EPD on Premium Required to Feed Steers for a Quality Market	Larry L. Berger University of Illinois at Urbana-Champaign Animal Sciences	\$70,900 2-year
00E-050-3	Efficiency Gains with Corn Containing Transgenes for Improved Nitrogen Utilization	Edward C. Varsa Southern Illinois University Plant, Soil and General Agriculture	\$87,841 2-year
00E-069-3	Improving the Quality and Consistency of Illinois Pork	Floyd K. McKeith University of Illinois at Urbana-Champaign Animal Sciences	\$151,760 2-year
00E-079-3	A New Enzyme for Reducing Damage Caused by Oxidative- and Drought-Stress	Andrew J. Wood Southern Illinois University Plant Biology	\$120,000 2-year
00E-001-4	Improved Food Package Quality and Safety Using Nondestructive Ultrasonic Sensing	Scott A. Morris University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$115,000 2-year
00E-005-4	Genetic Analysis of Salmonella Isolates from Swine Production Units	Ronald M. Weigel University of Illinois at Urbana-Champaign Veterinary Pathobiology	\$57,493 2-year
00E-013-4	Comparative Effects of Soybean Constituents on Cardiovascular Risk: In Porcine	William Banz Southern Illinois University Animal Science, Food and Nutrition	\$108,969 2-year
00E-015-4	Impact of Soy Components on Quality of Life During Aging	Andrzej Bartke Southern Illinois University Physiology	\$142,409 2-year
00E-021-4	Blocking Breast and Colon Cancer Metastases by Soy	Keith W. Singletary University of Illinois at Urbana-Champaign Food Science and Human Nutrition	\$75,000 2-year
00E-	Innovative Non-Solvent Process for	Karl E. Weingartner INTSOY-University of Illinois at Urbana-	\$43,500

072-4	Textured Soy Protein	Champaign Food Science and Human Nutrition	1-year
00E-008-5	Verification of Nitrogen Fertilizer Recommendations for Illinois Corn Production	Fred E. Below University of Illinois at Urbana-Champaign Crop Sciences	\$76,375 2-year
00E-040-5	Processed and Unprocessed Manures Effect on Crop Yield, Soil and Ground Water	Paul M. Walker Illinois State University Agriculture	\$79,640 2-year
00E-042-5	Corn Fertilizer Nitrogen Management to Optimize Water Quality	Kenneth D. Smiciklas Illinois State University Agriculture	\$61,781 2-year
00E-073-5	Enhancing Disease Resistance in Apples via Genetic Engineering	Schuyler S. Korban University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$98,500 2-year
00E-076-5	Modeling Nitrogen Dynamics at the Watershed Scale	Gregory F. McIsaac University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$40,000 2-year
00E-077-5	Water Quality of Subsurface Drainage from Alternative Cropping Systems	Gregory F. McIsaac University of Illinois at Urbana-Champaign Natural Resources and Environmental Sciences	\$38,300 2-year
00E-081-5	Dependable Low Cost Pollination Systems for Sustainable Fruit Production	Stewart M. Jacobson University of Illinois at Springfield - Abraham Lincoln Presidential Center for Governmental Studies	\$75,397 2-year

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