

Reporting Categories Themes

Critical Issues in Plan of Work	Extension Themes (Smith-Lever Programs)	Research Themes (Hatch Projects)
Animal Production	Georgia Beef Challenge, Master Cattleman's Program, Profitability of Dairy Farming, Poultry production, Swine Intake Regulation, IPM and Evaluation of New Forages and Feeds	Advances in Animal Sciences, IPM, Genetics and Genomics, Wildlife, Apiary, and Poultry
Community, Home, and Life Skills	Community Development, Economics, Indoor Air Quality, Water Quality, Waste Management, Energy Management, Homebuyer Education, Consumer Economics, Financial Literacy, and Emergency Preparedness	Family Resource Management, Sociological and Technological Change
Food Safety & Quality	Consumer Demand for Food, Food Industry Needs, and Food Processing Industry	Advances in Food Science and Safety
Health & Wellness	Healthy Lifestyles, Weight Control, Physical Activity, Diabetes Management and Prevention, Cardiovascular Diseases Prevention, and Cancer Prevention	Biomedical, Nutrition, Health and Wellbeing, Hazards to Human Health and Safety
Plant Production	Plant Growth and Crop Production; Plant Diseases, Weeds and Pests; Developing New Breeding Tools; Soil Quality; Irrigation; Plant Pathology; Genetics; Entomology; IPM, Harvest And Post-harvest Handling; and Breeding Programs	Advances in Plant Sciences, Precision Agriculture, IPM, Genetics and Genomics
Sustainability, Conservation and the Environment	Natural Resource Management, Minimum Tillage and Cover Crops; Value Added Products or Production Practices that Improve Sustainability and Profitability; Investigation of Niche Markets; Financial Accounting and Reporting Strategies	Economics, Policy, Agribusiness, Sustainability and Ecosystem Health, Climate Change, Environmental Resource Management, Society's Role in Ag and Environmental Sciences, and Biological Engineering
Urban Agriculture	Water Conservation Technology; Turf Disease Identification and Management; IPM; Development of New Cost Estimating and Job Bidding Software for Landscape Installation; and Master Gardener Programs.	Controlled Environment Production, Turfgrass, and IPM
Youth & Family Development	Parenting; Relationships; Child and Elderly Care; 4-H and Youth Programming	Positive Youth Development, and Human Development

Reporting Categories Descriptions

Critical Issues in Plan of Work	Plan of Work Synopsis	Issue Description
Animal Production	This plan of work will explore different areas of animal production and protection, focusing on the production of sheep, goats, dairy and beef cattle, swine, poultry, aquaculture, and small ruminants. Equine and bees are also included. Specific topics for this program include, but are not limited to: Georgia Beef Challenge, Master Cattleman's Program, profitability of dairy farming, swine intake regulation, IPM and evaluation of new forages and feeds.	<p>This critical issue integrates work to improve animal production systems including poultry, beef, dairy, pork, sheep, goat, lamb, equine, aquaculture, and pollinators for food, fiber, and leisure. This program works to develop production systems that are profitable as well as sustainable, and works closely with Sustainability Conservation & Environment, as well as Health and Wellness, to develop sustainable food systems. The key aspect of this planned program area is interdisciplinary work to solve difficult problems.</p> <p>This program focuses on the following critical areas:</p> <ul style="list-style-type: none"> - Efficient production systems - Animal health and well being - Economic prosperity and marketing of animal production
Community, Home, and Life Skills	This plan of work will explore issues related to home and life skills. Specific topics for this program include, but are not limited to: community development, economic development, indoor air quality, water quality, waste management, energy management, homebuyer education, consumer economics, financial literacy, and emergency preparedness.	Within this program, faculty members develop and disseminate research-based information to improve financial capability for Georgians at every age and stage of the life cycle. Focuses include knowledge, skills, and access to services in the areas of earning (i.e., employability skills, income taxes, job search/selection process), spending (i.e., budgeting, managing expenses, home ownership), saving/investing, borrowing, and protecting what's yours (insurance, estate planning, healthy homes).
Food Safety & Quality	This plan of work will explore different areas of food safety and quality, focusing on food processing and storage, protection, and safety; plant production; and animal production and protection. Specific topics for this program include, but are not limited to: consumer demand for food, food industry needs, and the food processing industry.	<p>CDC estimates each year roughly 1 out of 6 Americans (48 million) gets sick, 128,000 are hospitalized, and 3,000 die from foodborne diseases. In recent years, Georgia had the highest incidence of salmonellosis of all 10 sites monitored by CDC's FoodNet system. Infants, young children, the elderly and those with weakened immune systems are most at risk of serious complications. Education for food producers and processors, farmers, entrepreneurs, farmers markets, foodservice and consumers is critical to ensure a safe food supply and reduce incidence of foodborne illness.</p> <p>This plan will provide research and education/instruction related to: a) processed foods, b) fruits, vegetables & nuts, c) meat, poultry & seafood, d) local foods, e) imported foods</p>
Health & Wellness	This plan of work will explore issues of chronic disease prevention and healthy lifestyles, focusing on weight control, physical activity, diabetes management and prevention, cardiovascular diseases prevention and cancer prevention to the public. Behavioral health including rural stress, farmer suicide, opioid misuse and general wellbeing are emerging issues in is area of work. A large focus of this program will be on the state's youth.	The UGA Extension Health and Wellness program provides up to date, research-based information with the goal of improving the health of individuals, families, and communities. Extension specialists train agents to provide education and training to adults and youth on health and wellness. Specialists also develop curricula, print media and online consumer resources, and program evaluations. 4-H and Family and Consumer Sciences faculty develop in-school and out of school programming to stimulate behavior changes among youth. Also included in this issue is bio-medical research.

Reporting Categories Descriptions

Critical Issues in Plan of Work	Plan of Work Synopsis	Issue Description
Plant Production	This plan of work will explore plant production and protection. Specific topics for this program include, but are not limited to: plant growth and crop production; plant diseases, weeds and pests; developing new breeding tools; soil quality; irrigation; plant pathology; genetics; entomology; IPM, harvest and post-harvest handling; conservation; cultural trends; and breeding programs that incorporate variability derived from interspecific hybrids from which new cultivars can be developed. Controlled environment production as well as vertical farming is an emerging issue in this area.	Projects under the Plant Production program encompass a broad array of targeted fields of study that include entomology, plant pathology, nematology, plant breeding and genetics, soil science, postharvest physiology & storage, irrigation technology, engineering, agricultural (micro- and macro-) economics, socioeconomics, food science and technology, resource conservation and ecological sciences, and resource sustainability. Many of these projects are cross-disciplinary and commodity-driven with the goals of improving a given crop's resource use, efficiency, sustainability, profitability, yields, and worker safety while reducing crop losses due to abiotic and biotic stress.
Sustainability, Conservation and the Environment	This plan of work will explore issues related to the sustainability and profitability of agriculture. Specific topics for this program include, but are not limited to: natural resource management, minimum tillage and cover crops; pesticide stewardship, value added products or production practices that can improve sustainability and profitability; investigation of niche markets in Georgia; financial accounting and reporting strategies; and alternate cultural practices that will protect, improve and maintain soil fertility.	This critical issue integrates work from the Animal Production and Plant Production to develop sustainable production systems that provide the food, fiber needed without destroying the ecosystems on which we depend. This program works to develop production systems and economic information that are profitable as well as sustainable, and works closely with Food Safety as well as Health and Wellness to develop sustainable food systems. The key aspect of this planned program area is interdisciplinary work to solve difficult problems. This program focuses on the following critical areas: <ul style="list-style-type: none"> - Sustainable production systems - Climate change mitigation and adaption -Biodiversity on-farm and in the landscape -Economic prosperity and value of ecosystem services -Natural resources conservation
Urban Agriculture	This plan of work will explore issues related to urban agriculture. Specific topics for this program include, but are not limited to: water conservation technology and training; turf disease identification and management; IPM; development of new cost estimating and job bidding software for landscape installation; and Master Gardener programs. Support for urban farming, school and community gardens, and urban green spaces are a part of this issue area.	Urban agriculture poses unique challenges as an increasingly-urbanized Georgia population living in a finite area with finite resources. In Georgia, the population in urban and suburban areas continues to increase while putting additional strain on the state's natural resources. As populations grow, the needs for urban agriculture programming grow as well. Meeting the needs of these clients is the goal of the Urban Agriculture critical issue. Included in this issue are controlled environment agriculture, turf, and ornamental plants.
Youth & Family Development	This plan of work will explore positive youth and family development. Specific topics for this program include, but are not limited to: parenting; relationships, child and elderly care; 4-H and youth programming.	The Youth and Family Development critical issue provides up-to-date, research-based educational opportunities to assist individuals and their families in forming attitudes, acquiring knowledge, and developing life skills that will assist them throughout their lifespan to be self-directing, productive, and contributing members of society.