

<b>AGENCY NAME:</b>	<b>Clemson University PSA</b>		
<b>AGENCY CODE:</b>	<b>P200</b>	<b>SECTION:</b>	<b>45</b>

**Fiscal Year 2016-2017  
Accountability Report**

**SUBMISSION FORM**

<b>AGENCY MISSION</b>	<p><b>I. Mission Statement</b> Clemson University Public Service Activities is made up of four interrelated units: Experiment Station, Extension Service, Livestock Poultry Health and Regulatory Services. The overall agency mission is to conduct research, extension (knowledge transfer) and regulatory programs that:</p> <ul style="list-style-type: none"> <li>• Advance the competitiveness of South Carolina’s \$41.7 billion agriculture and forestry industry</li> <li>• Enhance the economic potential of rural communities</li> <li>• Safeguard the food supply</li> <li>• Preserve natural resources</li> <li>• Prepare young people for the workforce through 4-H</li> </ul>
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<b>AGENCY VISION</b>	<p><b>II. Vision Statement</b> To be acknowledged as the foremost provider of practical new discoveries, outreach education and technical assistance in the areas of agribusiness productivity and profitability, economic and community development, environmental conservation, food safety and nutrition, and 4-H youth development to enhance the quality of life for South Carolina’s citizens.</p>
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Please select yes or no if the agency has any major or minor (internal or external) recommendations that would allow the agency to operate more effectively and efficiently.

<b>RESTRUCTURING RECOMMENDATIONS:</b>	<b>Yes</b>	<b>No</b>
	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please identify your agency’s preferred contacts for this year’s accountability report.

	<i>Name</i>	<i>Phone</i>	<i>Email</i>
<b>PRIMARY CONTACT:</b>	Dr. George Askew	864-656-3140	gaskew@clermson.edu
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I have reviewed and approved the enclosed FY 2016-2017 Accountability Report, which is complete and accurate to the extent of my knowledge.

<b>AGENCY DIRECTOR (SIGN AND DATE):</b>  <b>(TYPE OR PRINT NAME):</b>	
	Dr. George R. Askew, Vice President, Clemson University Public Service and Agriculture

<b>BOARD/CMSN. CHAIR (SIGN AND DATE):</b>  <b>(TYPE OR PRINT NAME):</b>	
	E. Smyth McKissick, III, Chairman, Clemson University Board of Trustees

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**AGENCY’S DISCUSSION AND ANALYSIS**

Clemson University’s Public Service and Agriculture (PSA) welcomes the opportunity to provide: 1) relevant information regarding its mission, funding, and performance; 2) external and internal factors affecting our performance this year; 3) our current efforts and results; and 4) present and anticipated changes.

The 2016-17 reporting period is driven by the leadership of Vice President for Public Service and Agriculture Dr. George R. Askew; Regulatory Services Director, Dr. Stephen Cole; Livestock, Poultry and Health Director, Dr. Boyd Parr; Clemson Experiment Station Director, Dr. Christopher Ray; and Cooperative Extension Service Director, Dr. Thomas R. Dobbins. Clemson University continues to be led by President, Dr. James P. Clements, and is a 23<sup>rd</sup> best national public university, as ranked by *U.S. News & World Report*.

Public Service and Agriculture (PSA) is at the core of Clemson’s land-grant university mission of teaching, research, and public service. Located in all 46 counties and at five Research and Education Centers around the state, PSA develops and delivers research-based information in five major focus areas - agrisystems productivity and profitability, natural and environmental resources, food safety and nutrition, agribusiness, and 4-H youth and families.

Clemson PSA is part of the national USDA system of research and knowledge transfer. We work collaboratively with stakeholders and other state agencies to identify issues and develop research-based solutions that enhance South Carolina’s largest industry—agribusiness—that contributes \$41.7 billion and 200,000 jobs to the state economy. Clemson PSA is uniquely equipped to transfer science-based information to the state’s citizens through the Extension Service, which conducts educational programs in all 46 counties targeted to the local needs.

Clemson Public Service and Agriculture is made up of four interrelated units: Regulatory Services, Livestock-Poultry Health, Experiment Station, and Extension Service.

**Regulatory Services** programs protect the state from exotic and invasive species, ensure that pesticides are used safely, regulate the structural pest control industry, verify that fertilizer and lime meet standards and labeled guarantees, conduct programs for seed and organic certification, provide diagnosis of plant pests, and ensure readiness to respond to an agroterrorism event impacting the state’s agriculture.

**Livestock-Poultry Health (LPH) Programs** ensure the health and safety of the livestock/poultry industries and companion animals, protect the meat supply and public health of South Carolinians and serve as lead agency for animal/agricultural emergency response (ESF-17) in state emergency operations plan.

**Clemson Experiment Station** scientists work to improve the quality of life for people in South Carolina, the nation, and the world by providing science-based information on major issues facing decision makers.

**Cooperative Extension Service** agents meet the diverse needs of South Carolina citizens by delivering research-based information on agriculture, the environment, food safety and nutrition, agribusiness, and 4-H youth and families to farmers, producers, agribusiness professionals, and individuals across the state. Educating people in these types of areas in each state is the directive of the Land Grant College Act. If we did not accomplish our goals, the land grant system would not be able to function. South Carolina citizens and PSA stakeholders have direct input into decisions of the Extension system through statewide planning efforts and a needs identification process. The exchange between field and campus staff informs the research agenda, ensuring that program development addresses real needs of South Carolinians. In addition, working with Regulatory and LPH, our motto is *regulation through education*.

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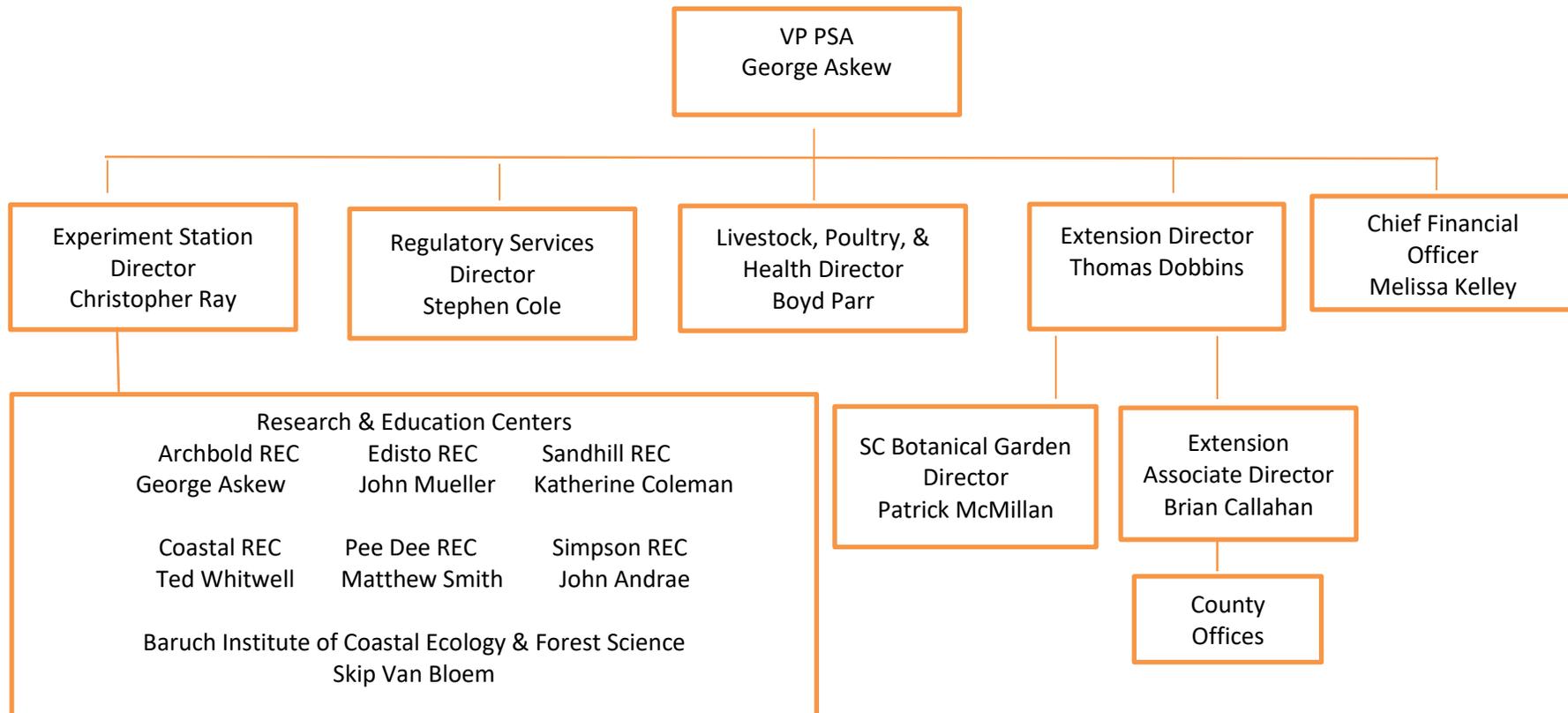
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### PSA Organizational Chart



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### Accountability and Format of Templates

The Strategic Planning and Performance Measures sections are arranged by the four main units within Clemson PSA: Regulatory Services, Livestock-Poultry Health, Experiment Station (Research), and the Extension Service. The results of our efforts are highlighted in the Strategic Planning and Performance Measures sections of this report, however, the impact of Public Service Activities’ research, educational, and regulatory programs goes far beyond the immediate recipients and is not easily formatted to an Excel spreadsheet. Below are some PSA accomplishments for FY 2016-17, organized by major unit.

### REGULATORY SERVICES [www.clemson.edu/public/regulatory/](http://www.clemson.edu/public/regulatory/)

Efforts to expand collaboration between Clemson Regulatory Services and Clemson Extension began in FY 2015 to leverage the expertise of Regulatory Services and the statewide connections of Extension agents. Regulatory and Extension personnel identified the following programs that could be expanded by collaboration:

- **Integrated Pest Management in Schools:** DPR’s School Compliance Program, designed to contact and inspect all applicators that are either contracted to or employed by school districts, has been in place since mid-2013. DPR’s Compliance Inspectors have collected pesticide application records for 885 schools since mid-2013. These application records are reviewed by the Reduced Risk Specialist and logged for future reference. Application records for 224 schools have been reviewed in the last fiscal year. The Reduced Risk Specialist provided 66 trainings in the last fiscal year for school districts across the state.
- The Department of Pesticide Regulation (DPR) **collected 314,866 pounds of used pesticide containers for recycling.** Since the program began in 1993, nearly 3+ million pounds of pesticide containers have been recycled, representing an equal number of containers. The program seeks to be environmentally-friendly.
- **Invasive Species Program:** The Invasive species advisory committee recommended the addition of several plant pests to the state plant pest list and three species were eventually declared as plant pests in South Carolina. The department of plant industry will monitor the state for these pests as required by law to protect plants and growers.
- **Benghal Dayflower:** Following the discovery of this federal noxious weed and SC state plant pest, the department of plant industry executed compliance agreements for all property owners and continues to monitor this weed to prevent the movement and spread of this pest.
- **PCR testing for fecal coliforms:** Department of Plant Industry is assisting South Carolina municipalities in meeting EPA water quality standards. A real-time PCR method was tested and successfully implemented to differentiate fecal coliforms of animal origin in water samples. In FY 2016 we expanded the water sampling program for counties and municipalities as a service. This project is being done in conjunction with the Clemson Center for Watershed Excellence. Twenty samples were completed with 15 samples submitted from Pickens County and five from Anderson County.
- The Department of Plant Industry’s **Fertilizer Program** has increased the fertilizer samples by 40% since 2014. The sample numbers are now at 2,402 samples per year with 6.24% deficiency rate (for contaminants), well below the target of 20%.

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- The **Seed Certification** Department aims to have high standards for certification in South Carolina. With this voluntary program growers adhere to a set of standards imposed on the production of seed which ensures its purity and germination. During the 2016-2017 growing season, we were able to certify the following amounts of crops=(Acres) Barley: 6; Eso Peas: 485; Oat: 189; Peanuts: 4220; Soybeans: 2170; Sweet Potato: .25; Wheat: 1142; Turfgrass: 5162.
- **Apiary Inspection Program:** DPI Apiary surveyed 24 apiaries for the National Honey Bee Survey for pesticides and pesticide residue. The program continues to grow and serve this vital state agricultural industry.
- **Plant Nursery Compliance:** Some 623 out of 625 Nursery Growers were inspected for a total of 99% inspected. There were two (2) nurseries that were not inspected: one (1) sustained hurricane damage and was closed the remainder of the inspection year and the second had scheduling conflicts. Of 1881 Nursery Dealers, the goal was to inspect 350 Nursery Dealers between January 1, 2016 and December 31, 2016. A total of 369 (105%) Nursery Dealers were inspected between January 1, 2016 and December 31, 2016.
- **ZIKA** - The EPA granted Clemson University Division of Regulatory and Public Service Programs an award in the amount of \$59,142. The project provided education, training, and outreach to pesticide applicators throughout South Carolina specifically geared toward competencies related to mosquito control. This area of emphasis was chosen due to an increased threat of mosquito vectored viruses such as Zika, Chikungunya, Yellow Fever, Eastern Equine Encephalitis, and West Nile. To date, there have been six trainings throughout the state, reaching over 300 in attendance. There will be one more training with an expected attendance of about 50 people.

#### **LIVESTOCK-POULTRY HEALTH** <http://www.clemson.edu/lph/>

The Livestock-Poultry Health Programs protect the health of food animals, other livestock, and companion animals, by conducting constant surveillance for diseases that affect both man and animals, providing the diagnostic expertise that allows for treatment and eradication of disease of domestic animals, inspecting/testing the processing of foods of animal origin, and coordinating state agricultural/animal emergency response as lead agency of ESF-17.

**Animal agriculture contributes \$14.5 billion to South Carolina’s overall economy**, with over 58% of direct farm sales in South Carolina agriculture in a 2015 study. Livestock-Poultry Health (LPH) programs protect and monitor the health of all livestock and poultry in the state and are integral to this industry’s continuation and growth. Animal Health Programs personnel made 819 inspections at livestock auction markets, after-hours markets, dealers, farms and miscellaneous sales such as flea markets. These inspections are part of the requirement for **maintaining the state’s “disease free”** status and are coordinated with USDA.

**Highly Pathogenic Avian Influenza (HPAI)** struck two commercial poultry farms in Tennessee early in 2017 accompanied by closely related Low Pathogenic Avian Influenza (LPAI) in commercial and backyard poultry in Tennessee, Kentucky, Alabama and Georgia. South Carolina did not have any diagnoses of either HPAI or LPAI. A top priority for Livestock-Poultry Health continues to be to encourage management practices to reduce the possibility of infection and to assure early detection should HPAI and/or LPAI infect SC poultry, followed by swift eradication and rapid recovery for the state’s poultry producers. “Disease free” status improves access to both interstate and international markets. The state veterinarian signed 252 letters this year certifying South Carolina’s status for poultry enabling import to certain countries. **S.C. poultry industry exports were valued at \$145.8 million in 2009.**

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The **SC Ag-Watch** program led by LPH continues to provide training to livestock owners on improved biosecurity practices, foreign animal disease awareness, and notification procedures - emphasizing prevention of disease along with disease surveillance, control, and eradication. LPH this year initiated the process of updating the SC Ag-Watch Manual, initially published in 2010. Publication of the revised edition is expected in the Fall of 2017, made possible by Homeland Security grant funding administered through SLED. In addition to producers, state and local emergency managers use SC Ag-Watch Manuals as a reference for agricultural emergencies.

With leadership from LPH veterinarians, the **SC Veterinary Reserve Corps (SCVRC)** has been created, under the auspices of the Surgeon General’s Medical Reserve Corps. Forty-eight veterinarians, veterinary technicians, animal handlers or veterinary practice managers have signed up to date. SCVRC members plan to assist emergency managers at local, regional and state levels with animal and agriculture issues in disasters.

LPH continued work on the **Mid-Atlantic Secure Milk Supply Project** in SC along with the State Veterinarians from 11 other states. This project, developed in collaboration with all S.C. dairy industry segments, created a regional plan to mitigate potential economic losses of non-infected, voluntarily participating dairy farms in the event of a foot and mouth disease outbreak, without significantly increasing the likelihood that the disease could spread.

The **Veterinary Diagnostic Center** completed 105,754 tests and procedures during FY16-17 in performing its animal and food safety diagnostic duties. Of these, 104,974 were related to production animals and regulatory duties; the remaining 780 were from companion animals and wildlife.

**SC Meat-Poultry Inspection** completed its **annual audit by USDA Food Safety Inspection Service**. This review is to ensure a safe meat supply. The S.C. program continues to meet or exceed the federal requirements. Department activities included 100% on-line inspection during slaughter operations on 1,317 slaughter days that processed 21,481 livestock and more than 3.6 million poultry. Additionally, inspectors performed 38,401 individual inspection procedures during daily inspection in 70 slaughter and processing facilities.

Livestock-Poultry Health helps assure South Carolina’s concerns are discussed at the national and international levels. Professional staff served in many roles including as President of the United States Animal Health Association (USAHA) and meeting with the Director General of the World Animal Health Organization (OIE). They served on the American Veterinary Medical Association (AVMA) Animal Agriculture Liaison Committee, National Animal Health Laboratory Network (NAHLN) Coordinating Council, National Animal Health Information Technology Board (USDA), served as Co-Chair of USAHA Committee on Animal Emergency Management, S.C. Delegate in AVMA House of Delegates, President of American Association of Small Ruminant Practitioners, President-elect of American Association of Extension Veterinarians and National Poultry Improvement Plan (NPIP) Coordinating Council.

**CLEMSON EXPERIMENT STATION** [http://www.clemson.edu/public/experiment\\_station/](http://www.clemson.edu/public/experiment_station/)

As a leading land-grant public research institution, Clemson University highlights its federal **grant activities** in this report. The number of externally funded research grants is one measure of Experiment Station scientists’ success in competing for limited funding. The data is cyclical in nature because of long-term funding periods—usually two to five years—limited numbers of principal investigators, and time constraints. This data is used to evaluate researchers’ productivity as well as to determine PSA’s contribution to the university’s goals for generating external funding for research.

Over the past year, in response to a request from The National Institute for Food and Agriculture many individual projects with similar research interests and common fields of study were grouped together into umbrella projects. The research proposed in the umbrella projects began on October 1, 2016, and first year progress reports are due

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for submission on March 1, 2018. It is difficult to predict the effect this will have on existing performance measures.

**COOPERATIVE EXTENSION** [www.clemson.edu/extension/](http://www.clemson.edu/extension/)

Extension has moved from 13 regions to five regions, each with a District Extension Director (DED). Previously named Regional Lead Agents, DEDs are actively involved in the daily operations and implementation of our strategic plan. There is now one Regional Business Center (RBC) per region to help establish regional consistency. These changes have allowed Extension to be a more responsive administration to the needs of the professional county agents.

Last year because of the hard work of Extension Agents and our advocacy team to develop quality programming, we were able to hire 13 new agents. District Extension Directors will work closely with the Extension Staff Development Department to establish the Extension Mentoring Program. The goal of the Extension Mentoring Team is to develop an individualized mentoring program for all of our new and beginning agents.

The Agribusiness, Agronomic, Forestry, Horticulture and Livestock Teams have assisted South Carolina farmers with the Farm Aid application process as a result of the historic October 2015 flooding. According to the SC Department of Agriculture (SCDA), a conservative estimate of \$375 million worth of crop loss was reported for the entire state of South Carolina. Clemson Extension agents and specialists worked with the local lending community and the SCDA to provide person-to-person help in assessing damage, filling out forms, and estimating crop losses using production and pricing. The total disbursed to SC farmers who experienced at least a 40% loss on affected crops was \$35,512,560. Total applications were approved for 1,253 farmers with an average payment of \$28,399. Clemson Extension conducted 21 trainings in 20 days and provided assistance with the application process reaching at least 80% of the applicants. In addition, during the fall of 2016, South Carolina experienced rain and wind from Hurricane Matthew and suffered some additional agricultural damage.

Extension personnel delivered **educational programs** and information through 242,239 contacts across all 46 South Carolina counties. More than 154,824 participants attended 11,575 Extension programs. We have developed numerous partnerships with federal, state, local, and non-governmental entities, which has allowed us to eliminate duplication of service and at the same time, increase programmatic output and expertise.

To **reduce food-borne illness**, agents conducted ServSafe® food safety training for managers, supervisors, and other food handlers. A total of 260 food-service employees earned a course completion certificate, representing 181 food establishments. The National Restaurant Association estimates that, on average, a food-borne illness outbreak costs an establishment about \$75,000. The approximate economic value of the trainings could be as high as \$13,575,000 by preventing outbreaks.

Extension agents developed and delivered 2,836 educational programs in the areas of **Sustainable Forest Management and Natural Resources** (including water quality and quantity programs), reaching 32,600 people. Volunteers such as Master Naturalists contributed over 19,359 hours, which represent \$422,994 of program support (\$21.85/hr.). The total acres affected was about 1 million. Agents and specialists conducted Coyote Control workshops, Wildlife Management Workshop, and forage and fish pond assessments. Agents and specialists were involved in the delivery of the Timber Operations Professional (TOP) logger certification program, an assessment for forest health and thinning, presentations during forest landowner association meetings, an online program of the *Forest Roads, Wood Supplier Systems and Logging Cost Analysis*, and the presentation of a forest ethics webinar. An economic analysis report evaluating forest resource status and forestry practices in South Carolina was developed and is freely available to landowners and forestry professionals in the state. The report assessed the size of the forestry economy and its impact in South Carolina, as well as, served as a resource guide for the future sustainable forestry and economic workshops/trainings that will be offered through

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Clemson Extension in the next fiscal year. Specialists designed and conducted a study to assess the educational needs of forest landowners in South Carolina, and the data is currently under analysis to design a statewide Forestry Master Volunteer Landowner Program that will be offered by Clemson Cooperative Extension. A Trees for Energy Conservation video series was developed. Agents worked with clients to develop wildlife habitat improvement plans. Agents updated and provided the Quality Deer Management Association's Deer Steward I online program. They taught the Invertebrate biodiversity class for the Wildlife Action Pioneer Camp and the Entomology class for Wild 4H camp.

Agents conducted 4,292 **4-H programs** that reached over 104,156 (ES-237 Report) youth and families with programs on agriculture, science and natural resources, food safety and nutrition, and leadership. In STEM programs, youth used critical thinking and problem-solving skills. Some 7,994 youth participated in community/service projects, 17,213 in Technology and Engineering, 16,502 in Environmental Education, 3,229 in Communications and Expressive Arts, and 34,999 in Healthy Lifestyles projects. Over 3,546 adult volunteers contributed 21,294 hours, which represents a value of \$465,273 of program support. Research reveals that when children have hands-on experiences with nature, the results can lead to fewer incidents of anxiety and depression, improved self-esteem, enhanced brain development, and a sense of being connected to the community and the environment.

Official Variety Trials of all major **agronomic crops** were conducted in multiple locations across the state. The information generated from these trials is then used by growers to select the varieties that perform best in their region of the state. In addition, agents scouted thousands of acres of corn for Southern Rust, soybeans for Soybean Rust, cotton for square retention, and peanuts for disease issues. Early detection is critical to insure the crop health and grower profit. Agents presented workshops on insect management, private and commercial pesticide application, sprayer calibration, and conducted peanut maturity clinics. The pass rate for the private applicator exams was 88%.

**Extension Livestock and Forages** programming focuses on increasing the adoption of research based best management practices to increase environmental sustainability, profit, and livestock/forage health. Programs increased market awareness and marketing strategy, leading producers to sell feeder calves directly off the farm, which increased the value of these cattle by an average of \$99/head compared to traditional marketing options. By marketing cattle off-farm, participating cattle farmers received an average of \$6,818 more income per farm versus traditional marketing methods. In addition, the economic impact of producers implementing Artificial Insemination breeding was \$54 per head more due to early calves weighing 45 pounds heavier than calves born later in the calving period.

Participants that completed the Backyard Poultry workshop indicated that the program saved them up to \$1,000 in production costs and 80% indicated that they would implement a new production practice as a result of their participation. Cattle producers from 10 counties of the state that attended the Bermudagrass Stockpiling and Winter Feeding Workshops indicated that practices learned would help lower input costs and improve profitability. Participants in the Grass Masters program indicated that they would improve management of pastures and grazing, weed control, and would plan plantings.

Certification and re-certification credits were offered through the programs such as Beef Quality Assurance, Sire Seminar, Small Ruminant Management, Southern Forages Seminar, Clover Production Field Day, Grazing Management, Goat Management, Equine Management, Fire Ant Control in Pastures, Hay Workshop, Livestock Liability Law, Reproductive Herd Health and Biosecurity, and Master Cattlemen's Association and Beekeepers Association meetings. Livestock agents gave presentations for 4-H Livestock, Horse, and Beekeeping programs.

A factsheet on a soil sampling device design was developed and placed on the Clemson Livestock and Forages publications page at <<http://www.clemson.edu/extension/publications/files/livestock-forages/lf11-sweatless-soil->

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[sampler.pdf](#)>. A training was conducted for State Emergency Response Team (SERT), people that work at the State Emergency Operations Center (SEOC) during disasters. Milk systems checks have been conducted, which can potentially reduce the loss of quality premiums of \$50,000 per farm. County Area Response Team meetings was conducted to plan for sheltering and protecting pets during disaster. A Mid-Atlantic Secure Milk Supply and Dairy Farm Biosecurity program was conducted at the joint SC Dairy Field Day.

A one hour webinar titled Energy Conservation Opportunities Poultry Ventilation Case Studies was developed and presented for the USDANRCS Science and Technology Training Library. The recorded webinar is available at <http://www.conservationwebinars.net/webinars/understanding-and-implementing-energy-audits>

South Carolina Regulation R.61-43 provides requirements for confined animal facilities and the utilization of animal manure from those facilities. Under this regulation, managers of confined animal facilities must obtain a manure management certification through Clemson University and maintain that certification. Trainings were held around the state for 1,789 producers who received certification or recertification. A CAMM conference was hosted by SC.

Extension **horticulture programs** focused on Organic Vegetable Production, Strawberry Production, Collard Pest and Diseases, and farm visits to scout for disease such as powdery mildew on zucchini and squash crops. After using Extension information, disease suppression was observed on fields. The Small Farm Projects, facilitated by SC State University and Clemson University resulted in thousands of dollars in savings due to improved fertility and pest management. Peach scale and other fruit insect damage assessments were conducted. Specialists and agents produced reports to help warn against and manage fruit and vegetable disease. (An example of one such publication included a feature story: <http://newsstand.clemson.edu/mediarelations/clemson-reports-downy-mildew-detected-on-s-c-watermelons/>). One agent met with producers in Haiti to discuss vegetable production. Almost 96% of the persons attending fruit and vegetable horticulture programs indicated that they gained knowledge. Due to improved knowledge of tree management, pest management, and fertility management, growers have saved or gained in better quality and yields.

Agents conducted 530 **food safety, nutrition, physical activity, and health programs** reaching 5,496 persons. In addition, the federally funded Expanded Food and Nutrition Education Program was conducted for limited resource adults. Nutrition programs resulted in improved nutrition, physical activity, food safety, and food resource management practices (such as planning meals, comparing prices, and using grocery lists). Approximately 1,620 volunteer hours were contributed for adult and youth EFNEP programs, representing a program value of \$35,397.

**Home and Garden Information Center** (HGIC) experts provided gardening information to 9,291 individuals by telephone or in person. In addition, the HGIC website recorded almost 3,932,000 hits last year. HGIC updated 112 fact sheets and created 15 new fact sheets.

**Master Gardeners** contributed 76,872 hours of volunteer service through programs, oral presentations, newsletters, radio programs, and TV appearances. This represents a value of \$1,679,653 in program support.

Extension agents and specialists used traditional media and social media to publish articles in newspapers, trade publications, and newsletters. They delivered information on television, radio, Facebook, blogs and websites, reaching potentially over 1,000,000 people in South Carolina and neighboring states. Agents won state, regional and national awards through the State County Association of County Agricultural Agents and the National Association of County Agricultural Agents.

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Strategic Planning Template

Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
G	1			Education, Training, and Human Development	The Clemson Experiment Station aims to identify critical issues and find solutions through research that support South Carolina's agriculture and forest industries.
S		1.1			Generate new science and technologies to boost agricultural production and global food security. Develop systems that maintain high productivity and address state and local challenges. Provide research based information for use by livestock producers, dairy and poultry farmers and horse owners in South Carolina. Support and assist the commercial horticulture industry, farmers and homeowners in South Carolina. Improve the quality, nutritional value and safety of the food consumed by South Carolina's citizens.
O			1.1.1		<i>Research will be conducted to address issues related to global food security and hunger, to improve animal production systems, improve horticultural crop production, to address issues related to global food security and hunger, and in food safety, nutrition, and human health in South Carolina. Outcomes are disclosures, patent actions, new varieties, licenses, and technical contributions.</i>
S		1.2			Develop new and innovative programs and strategies to encourage economic growth and development in South Carolina's rural counties.
O			1.2.1		<i>Research will be conducted to develop new strategies for rural economic growth in South Carolina. Outcomes are to include disclosures, patent actions, and technical contributions.</i>
S		1.3			Develop management plans and technologies that insure South Carolina's citizens and industry have an ample supply of water and habitat for fish, wildlife and recreational purposes now and in the future. Improve the quality of South Carolina's forests through watershed management, sustainable timber production, and forest management practices.
O			1.3.1		<i>Research will be conducted to improve natural resources in South Carolina. Outcomes are to include disclosures, patent actions, and technical contributions.</i>

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Strategic Planning Template

Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
S		1.4			Design optimum crops and forest products to maximize bioenergy production, and produce value-added bio-based industrial products. Identify and develop biomass which can be used for biofuels. Generate knowledge to develop agricultural systems that maintain high productivity in the face of climate change.
O			1.4.1		<i>Research will be conducted into sustainable energy and climate change. Outcomes are to include disclosures, patent actions, and technical contributions.</i>
G	2			Education, Training, and Human Development	The Clemson Extension Service will improve the economy, environment, and well-being of South Carolinians through the delivery of unbiased research-based information and education.
S		2.1			Offer educational programming to improve the production efficiency, environmental sensitivity, and profitability of animal production systems and reduce the environmental impact of animal waste in South Carolina through Livestock and Forages programming.
O			2.1.1		<i>Growers will improve the production efficiency of confined animal systems and marketing of grazing livestock and will adopt grazing managing practices.</i>
S		2.2			Develop and offer high quality, targeted and relevant educational programs that educate non-commercial and commercial horticulture clientele on environmentally sound horticultural practices.
O			2.2.1		Growers will adopt new horticultural production practices, including environmentally sound integrated pest management practices.
O			2.2.2		Increase the supply of environmental horticulture information to consumers through the Home and Garden Information Center (HGIC).
O			2.2.3		Increase the supply and dissemination of information and knowledge about IPM strategies and systems.

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Strategic Planning Template

Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
S		2.3			<b>Develop and implement agricultural production systems in South Carolina that are economically sustainable, safe and environmentally sound through the Sustainable Agronomic Production Program.</b>
O			2.3.1		<i>Growers will adopt new agronomic production practices.</i>
S		2.4			<b>Promote healthy lifestyles and improve the quality and safety of food for the citizens of South Carolina through the Food Safety, Nutrition and Health Program.</b>
O			2.4.1		<i>Managers and supervisors will be certified to train food handlers in safe food handling techniques and food handlers will increase knowledge and skills in safe food handling and will practice safe food handling techniques.</i>
O			2.4.2		<i>Participants in the nutrition programs will show improvement in one or more nutrition practices.</i>
S		2.5			<b>Identify or develop assessment tools and statewide local foods needs assessment plan to demonstrate economic benefits of local food sales and related economic impacts.</b>
O			2.5.1		<i>Regional food systems working groups or advisory teams will be established and led by Extension.</i>
S		2.6			<b>Empower youth to become healthy, productive, and contributing members of society and promote their educational success through a learn-by-doing approach, inclusive learning environments, and the involvement of caring adults.</b>
O			2.6.1		<i>Youth will gain knowledge and skills in leadership, citizenship, competency, coping, and caring skills through 4-H Youth Development Program.</i>
S		2.7			<b>Promote the use of best management practices of forest systems and other natural resources to improve South Carolina's forest productivity and promote natural resource conservation through the Sustainable Forestry and Natural Resources Program.</b>

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Strategic Planning Template

Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
O			2.7.1		<i>Landowners will adopt best management practices for forestry and natural resources.</i>
S		2.8			<b>Help foster Clemson University's academic reputation through relevant public service, highly regarded faculty and staff and well trained volunteers.</b>
O			2.8.1		<i>Extension staff will conduct relevant public service, publish scholarship for peer review, and publicize their achievements to Clemson University databases and university media, including the Clemson University Management Information System (CUMIS).</i>
G	3			<b>Maintaining Safety, Integrity and Security</b>	<b>Clemson Livestock Poultry Health will ensure the continued health of the livestock and poultry industry, ensure safe, wholesome, properly labeled meat and poultry products, and protect the public health of the citizens of South Carolina.</b>
S		3.1			<b>Monitor interstate movement of animals, perform inspections at livestock auction markets, and develop and expand livestock traceability capability for livestock disease prevention, control and eradication.</b>
O			3.1.1		<i>Protect animal and public health through control of endemic, foreign, and emerging diseases; enforce state and federal animal health laws and regulations by monitoring interstate movement of animals and inspecting livestock auction markets; expand livestock traceability, designed to enhance animal disease control, surveillance, and eradication programs</i>
S		3.2			<b>Protect the health of consumers by providing a comprehensive inspection service to ensure safe, properly labeled, wholesome meat and poultry products.</b>
O			3.2.1		<i>Regulate approximately 90 meat and poultry plants; protect the health of consumers by providing a comprehensive inspection service to ensure that meat and poultry products are safe, wholesome and accurately labeled.</i>
S		3.3			<b>Provide accurate and timely veterinary diagnostic and surveillance testing for early detection of disease.</b>

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Strategic Planning Template

Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
O			3.3.1		Provide accurate and timely veterinary diagnostic and surveillance testing for early detection of disease, thus improving the response activities and mitigating economic losses in livestock and poultry industry sectors; to meet NVSL accreditation standards and criteria for technicians to be proficiency certified.
G	4			Maintaining Safety, Integrity and Security	Regulatory Services protects the citizens of South Carolina and the environment by implementing legislatively mandated regulatory programs and by providing other essential programs and services for agriculture and related sectors and for homeowners.
S		4.1			Ensure the safe use of pesticides to protect South Carolina's public health, natural resources and environment.
O			4.1.1		<i>Regulate the structural and turf/ornamental pest control industries ensuring compliance with pesticide laws and regulations.</i>
O			4.1.2		<i>Monitor the use of pesticides in South Carolina to ensure their safe and effective use and prevent harm to humans, plants, animals and the environment.</i>
S		4.2			Protect South Carolina's structures from termites and other structural pests by ensuring high standards are met for the pest.
O			4.2.1		<i>Regulate the structural and turf/ornamental pest control industries ensuring compliance with pesticide laws and regulations.</i>
O			4.2.2		<i>Monitor the use of pesticides in South Carolina to ensure their safe and effective use and prevent harm to humans, plants, animals and the environment.</i>
S		4.3			Ensure that the fertilizer, lime, landplaster and soil amendments sold in South Carolina will be of high quality and properly labeled.

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Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
O			4.3.1		<i>Fertilizer, lime, and soil amendments distributed to end users in South Carolina must meet label guarantees and be free of contaminants.</i>
S		4.4			<b>Protect South Carolina' agriculture and the environment from harmful or invasive plant disease, weed, and insect species.</b>
O			4.4.1		<i>Protect South Carolina's ecosystem and all levels of agricultural production by mitigating impact from plant pests, i.e., plant diseases, etc.</i>
S		4.5			<b>Established standards will be met for the production of certified seed.</b>
O			4.5.1		<i>Seed is certified as true to variety and meets all official certification standards for quality and purity.</i>
S		4.6			<b>Correctly identify or diagnose plant pests and diseases and provide effective control recommendations in a timely manner.</b>
O			4.6.1		<i>Analyze plant samples to identify or diagnose weed, disease, and insect problems, providing results and control recommendations to clients.</i>
S		4.7			<b>Help prepare South Carolina to better recover from disasters and other emergencies impacting agriculture in the state.</b>
O			4.7.1		<i>Ensure that all employees are trained on the ICS (Incident Command System) in the event of an emergency. Have trainings to make sure that everybody understands their roles.</i>
S		4.8			<b>Enforce that established standards will be met for the production of certified organic products.</b>
O			4.8.1		<i>Provide USDA ---NOP accredited certification services to organic producers, processors, and handlers who seek certification through our agency.</i>
S		4.9			<b>Provide for effective leadership, management and administration of Division programs, personnel and facilities.</b>

Strategic Planning Template

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Type	Goal	Item # Strat	Object	Associated Enterprise Objective	Description
O			4.9.1		<i>Annually develop and initiate specific objectives for the various program areas within the two departments to include assignment of responsibility and target dates for completion.</i>
S		4.10			<b>Provide information and analytical testing for soil, plant tissue, feed and forage, animal waste, irrigation water, and compost samples for individual clients, commercial dealers, Extension Agents, Extension Specialists, and researchers in South Carolina.</b>
O			4.10.1		<i>Provide Ag Service Lab Samples by categories</i>

Item	Performance Measure	Last Value	Current Target Value	Current Value	Future Target Value	Time Applicable	Data Source and Availability	Calculation Method	Associated Objective(s)	Meaningful Use of Measure	
Agency Name:		Clemson University PSA						Fiscal Year 2016-2017 Accountability Report			
Agency Code:		P200	Section:		045						

**Performance Measurement Template**

Item	Performance Measure	Last Value	Current Target Value	Current Value	Future Target Value	Time Applicable	Data Source and Availability	Calculation Method	Associated Objective(s)	Meaningful Use of Measure
1	Identify disclosures of new products and processes associated with the project results generated by its faculty.	5	The number of disclosures is not easily predicted.	7	Target values will change due to new umbrella project formats.	July 1-June 30	Annual Experiment Station Existing Data	The data is compared to the projected number of disclosures.	1.1.1., 1.2.1, 1.3.1, 1.4.1	A tangible measurement of the value of research and technology to the scientific community and the public.
2	Number of patent applications and awards associated (Patent Actions)	5	Number of patent applications and awards is difficult to predict.	8	Target values will change due to new umbrella project formats.	July 1-June 30	Annual Experiment Station Existing Data	The data is compared to the projected number of patent applications and patents awarded. The data demonstrates the discovery of new knowledge and its exclusivity to South Carolina, and it is an indication of the merit of the discoveries submitted.	1.1.1., 1.2.1, 1.3.1, 1.4.1	A tangible measurement of the value of research and technology to the scientific community and the public.
3	Number of license agreements signed for technology reflected in patents.	5	Number of license agreements signed is difficult to predict.	0	Target values will change due to new umbrella project formats.	July 1-June 30	Annual Experiment Station Existing Data	The data is compared to the number of licenses which are projected to be signed. The data demonstrates the application of new knowledge and it is an indication of the merit of the new technology.	1.1.1., 1.2.1, 1.3.1, 1.4.1	A tangible measurement of the value of research and technology to the scientific community and the public.
4	Number of technical contributions related to research.	65	Number of technical publications accepted for peer-reviewed publications is not a predictable variable.	130	Target values will change as our project formats are changing	July 1-June 30	Annual Experiment Station Existing Data	The number of technical contributions are aggregated, and the results are evaluated using projected targets based upon historical data.	1.1.1., 1.2.1, 1.3.1, 1.4.1	A tangible measurement of the value of research and technology to the scientific community and the public.
5	Number of new plant varieties developed	2	Number of plant varieties developed is difficult to predict.	2	Target values will change due to new umbrella project formats.	July 1-June 30	Annual Experiment Station Existing Data	Activity volume	1.1.1	A tangible measurement of the value of research and technology to the scientific community and the public.
6	One or more community collaborations will be sustained to detect, recognize, diagnose, prevent, respond and recover from disasters in the animal program this year.	2	2	5	4	July 1-June 30	Clemson University Management Information System (CUMIS)	Number of collaborations reported.	2.1.1	Indicates the a coordinated ability of collaborators to mitigate disasters in the animal program.
7	Percent of participants completing livestock and forages programs will report a gain in knowledge and skills.	91	90	92	91	July 1-June 30	Livestock and forages evaluations/CAMM exams/CUMIS	Number of participants gaining knowledge divided by the number who attended the program.	2.1.1	Improves the ability of program participants to adopt best management practices in livestock and forages which can result in the reduction of negative environmental impacts of animals systems and improve profitability.

	Volunteer service hours contributed by Master Gardeners.	new	new	76,872	70,000	July 1-June 30	CUMIS	Number of reported adult volunteer hours contributed.	2.2.1	Indication of the positive impacts that volunteers and consumers have in communities to improve the environment through sound horticultural practices.
9	Percent of participants completing sustainable agronomic (includes horticultural) production programs will report a gain in knowledge and will apply skills learned.	95	90	94	93	July 1-June 30	Agronomic/hort crop evaluations and number of acres affected/CUMIS	Number of participants gaining knowledge divided by the number who attended the program.	2.3.1	Improves the ability of program participants to adopt practices which can result in reduction of negative environmental impacts of agronomic and horticultural cropping systems and improve profitability.
10	Percent of participants in the pesticide applicator training program will increase knowledge and receive certification as a result of participating in educational programs.	97	90	88	88	July 1-June 30	Pesticide application evaluations	Number of participants gaining knowledge divided by the number who attended the program.	2.3.1.	Indicates the ability of the participant to meet regulatory requirements.
11	Percent of participants attending food safety training will be certified in safe food handling.	87	85	73	80	July 1-June 30	Food safety training exams	Number participating divided by number passing tests. Potential cost of outbreaks per establishment.	2.4.1	Indicates the ability of the participant to meet DHEC requirements for "Certified Food Protection Manager."
12	Percent of participants in the nutrition and food safety programs will show improvement in one or more nutrition practices.	93	90	99	95	July 1-June 30	Dietary recall records; pre/post tests	Number showing improvement divided by the number participating.	2.4.2	Indicates adoption of practice that can lead to better quality of health.
13	Participants who complete Agribusiness programs will report knowledge gained.	94	90	99	95	July 1-June 30	Community and economic development program evaluations/CUMIS	Number of participants gaining knowledge divided by the number who attended the program.	2.5.1	Improves the ability of participants to reduce the cost of service provision to communities and individuals and will allow more communities to be better served.
14	Percent of youth ages 9---19 participating in 4-H will demonstrate skills learned as a result of participating in 4---H projects.	94	90	94	94	July 1-June 30	4-H leadership development evaluations/ES 237	Number of participants gaining knowledge divided by the number who attended the program.	2.6.1	Indicates level of active and engaged citizenship, demonstration of healthy living habits, and participation in SET (2013 Tufts Univ. Study).
15	Volunteer service hours contributed to 4-H projects.	20,112	20,000	21,294	20,000	July 1-June 30	4-H leadership development evaluations/ES 237	Number of reported adult and youth volunteer hours contributed.	2.6.1	Indication of effective volunteer support system which is vital to the success of the 4-H youth development program.
16	Percent of foresters and landowners will report a gain in knowledge as a result of participating in sustainable forest and natural resource programs.	99	90	96	95	July 1-June 30	Sustainable management forestry evaluations and numbers of acres affected	Number of participants gaining knowledge divided by the number who attended the program.	2.7.1	Improves the ability of program participants to adopt best management practices in forestry and natural resources which can result in reduction of negative environmental impacts and improve profitability.
17	At least one Extension impact statement will be produced and published per Extension staff member.	50	100	253	200	July 1-June 30	Impact Statement database	Number of media reports.	2.8.1	Conveys relevant public service, achievements and scholarship for on campus and off-campus communities.
	Number of new premises registered by Livestock Poultry Health	145	100	257	100	July 1 - June 30	LPH reports	Total	3.1.1	indicator of continued activity is an essential element of animal disease traceability.
	Total number of premises registered by Livestock Poultry Health	6,205	6,305	6,462	6,562	July 1 - June 30	LPH reports	Total	3.1.1	Indicator of number of identified livestock and poultry locations that is foundation of animal disease traceability capabilities.
	Meet disease testing and trace back requirements for continued "disease free" status as specified in the code of federal regulations	Requirements met	Requirements met	Requirements met	Requirements met	July 1 - June 30	LPH reports	Disease testing	3.1.1, 3.2.1	Affects access to interstate and international markets for SC livestock, poultry and products produced by them.
	Conduct inspections and investigations at locations including livestock markets, exhibitions, sales, and on livestock farms throughout South Carolina.	763 inspections, farm visits, and investigations	450 inspections, farm visits, and investigations.	819 inspections, farm visits, and investigations.	450 inspections, farm visits, and investigations.	July 1 - June 30	LPH inspection reports	Number of inspections	3.1.1, 3.2.1	Indicator of the breadth and depth of surveillance activities important to LPH's ability to detect and respond to livestock and poultry diseases.

	Inspection of meat and poultry plants and HACCP and SSOP records by inspector in charge. In-depth reviews of meat and poultry plants and HACCP and SSOP records by inspectors.	100% daily inspection of all meat and poultry plants and records, when operating.	100% daily inspection of all meat and poultry plants and records, when operating.	100% daily inspection of all meat and poultry plants and records, when operating.	100% daily inspection of all meat and poultry plants and records, when operating.	July 1 - June 30	LPH inspection reports	Number of inspections	3.1.1, 3.2.1	Measures critical to maintaining "at least equal to" status with the USDA Food Safety Inspection Service.
	Meet NVSL (National Veterinary Services Laboratories) accreditation standards and criteria for technicians to be proficiency certified.	100% final pass rate achieved for all lab technicians on required proficiency testing for FY15-16	100% final pass rate achieved for all lab technicians on required proficiency testing for FY16-17	100% final pass rate achieved for all lab technicians on required proficiency testing for FY16-17	100% final pass rate achieved for all lab technicians on required proficiency testing for FY17-18	July 1 - June 30	NVSL test results	100% final pass rate of NVSL proficiency tests for procedures performed in Clemson Veterinary Diagnostic Center for which NVSL monitors test performance.	3.3.1	Indication of accuracy of veterinary diagnostic laboratory results.
	Maintain AAVLD (American Association of Veterinary Laboratory Diagnosticians) Accreditation or achieve accreditation through alternate group with ISO 17025 standards.	ISO 17025 Accreditation	ISO 17025 Accreditation	ISO 17025 Accreditation	ISO 17025 Accreditation	July 1 - June 30	Accrediting bodies	Accreditation through accrediting bodies	3.3.1	measure of assurance of reliability and quality of the work done in veterinary diagnostic laboratory
	Perform diagnostic procedures which are required for marketing of livestock and poultry, maintenance of "disease free" status, ensuring a safe meat supply, and assisting veterinarians and producers in diagnosing and treating diseases in animals.	91,495 diagnostic procedures; 98.9% of those procedures were regulatory/pr oduction animal related	Perform 80,000 diagnostic procedures. Over 90% of those procedures will relate to production animals.	105,754 diagnostic procedures; 99.26% of those procedures were regulatory/producti on animal related	Perform 80,000 diagnostic procedures. Over 90% of those procedures will relate to production animals.	July 1 - June 30	LPH reports	Diagnostics	3.1.1, 3.2.1, 3.3.1	indication of the demand for services from sectors served by veterinary diagnostic laboratory
	Number and acceptance rate of phytosanitary certificates issued.	100%	100%	95%		July 1-June 30	Benchmarking	DPI issued 1,436 federal phytosanitary certificates in a timely manner last year with no rejections from any country. 100% acceptance rate.	4.4.1	Indication that goods coming into the US are free of pests and pathogens, which protects US citizens.
	Total number of inspections of regulated businesses and the resultant compliance rate of these inspections.	100%	100%	95%		July 1-June 30	Activity volume	625 Nursery growers. 623 of 625 nurseries were inspected (99%). 369 of 1881 nursery dealers were inspected (105%). Goal was to inspect 350 Nursery Dealers between January 2016 and December 2016. All were in compliance or brought into compliance after inspection. The nurseries that were not inspected were hobbyists rather than commercial nurseries.	4.4.1	Ensures that established standards are being followed.

DPI will conduct targeted surveys to detect potential invasive species introductions and regularly survey and treat currently infested sites with the goal of eradication.	8	8	4		July 1-June 30	Activity volume	Invasive species surveys in 2016-2017: TCD, Wood Boring Bark Beetle- survey for 4 pests, Nursery- survey for 12 pests, Cotton- survey for 5 pests, Forest Pests- survey for 8 pests and no regulated pests were detected. For Noxious weeds: BDF- 1 new county detection (Pickens), 5 counties monitored, all property owners are under compliance agreement. For Itchgrass- no new detections, two sites monitored Cogongrass- no new detections, 13 sites treated and monitored Japanese dodder- no new detection, 1 site treated Water Spinach- no new detection, 1 site monitored.	4.4.1	Provides a means to mitigate disasters due to invasive species and to prevent harm to humans, plants, animals and the environment.
Record and report the rate of fertilizer samples deficient	20.00%	11.70%	Less than 20%		July 1-June 30	Benchmarking	Of 2,402 fertilizer samples collected, 150 were found to be deficient for an overall deficiency rate of 6.24%, well below the target of 20%.	4.3.1	Provides a direct measure of a company's ability to meet its legal obligation to provide consumers with the plant nutrients guaranteed on the label.
Percentage of seed lots inspected in the field that meet purity standards in laboratory tests.	99.50%	99.30%	95%		July 1-June 30	Activity	97% compliance rate of the samples of certified seed lots were found with the SC Seed Certification Standards for purity.	4.5.1	Ensures compliance with the SC Seed Certification Standards.
Conduct on-site inspections and records audits of all producers and handlers desiring to obtain organic certification.	99.50%	99.50%	95%		July 1-June 30	Activity	There are 63 certified operations plus 4 new operations in progress.	4.5.1, 4.8.1	Provides method to ensure that established standards will be met for the production of certified organic products.
Provide accurate and timely diagnosis of all samples and viable control recommendations based on this diagnostic information.	Met - The Plant Problem Clinic processed 3,986 samples	Met - The Plant Problem Clinic processed 3,386 samples	Samples diagnosed and identification and control recommendations provided within one week.		July 1-June 30	Activity volume	The Plant Problem Clinic processed 3,537 samples. This was broken down as follows: 1,053 disease or abiotic problems, 136 insects or mites, 130 weeds. The Molecular Plant Pathogen Detection Laboratory processed 39 samples. The Commercial Turf Clinic processed 101 samples. 2,030 nematode samples. The water lab 48.	4.6.1	Provides a method to protect humans, plants, animals and the environment.
Compliance rate Category 7 licensed pesticide applicators.	60%	89%	60%		July 1-June 30	Benchmarking	The structural compliance rate benchmark of 60% was exceeded. For the reporting period, the structural compliance rate was 79%.	4.1.1, 4.2.1	Ensures compliance to protect humans, plants, animals and the environment.
Total number of pesticide applicators licensed in Category 3.	3,672	3,292	2,800		July 1-June 30	Activity	The total number of Category 3 (Ornamental and Turf Pest Control) applicators possessing a valid license during the reporting period exceeded the benchmark of 2,800 applicators. The number of pesticide applicators licensed in Category 3 in the state of South Carolina during the last fiscal year was 3,672 persons.	4.1.1, 4.2.1	Indicates the ability of applicators to meet requirements for safe application of pesticides to prevent harm to humans, plants, animals and the environment.
The number of compliance, complaint and other inspections conducted annually will be recorded and compared against an established benchmark of 2000 inspections.	2,000	2,247	2,000		July 1-June 30	Activity volume	Inspections conducted during the period exceeded the benchmark of 2,000 inspections. The total number of inspections (compliance, complaint, dealer, structural pest, marketplace, agricultural use, groundwater, lawn care, worker protection, record check, producer establishment, structural pre-treat, non-ag use) for the reporting period was 2,380.	4.1.2, 4.2.2	Ensures compliance to protect humans, plants, animals and the environment.



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**Agency Name:** **Clemson University PSA**

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**Program Template**

Program/Title	Purpose	FY 2016-17 Expenditures (Actual)				FY 2017-18 Expenditures (Projected)				Associated Objective(s)
		General	Other	Federal	TOTAL	General	Other	Federal	TOTAL	
I.A. Regulatory Services - General	Regulatory Services protects the state from exotic and invasive species, ensures that pesticides are used safely, regulates the structural pest control industry, verifies that fertilizer and lime meet standards and labeled guarantees, conducts programs for seed and organic certification, provides diagnosis of plant pests, and ensures readiness to respond to a catastrophic event impacting the state's agriculture.	\$ 752,079	\$ 4,609,877		\$ 5,361,956	\$ 752,079	\$ 4,753,469		\$ 5,505,548	All Goal 4 Objectives
I.B. Regulatory Services - Restricted	Regulatory Services protects the state from exotic and invasive species, ensures that pesticides are used safely, regulates the structural pest control industry, verifies that fertilizer and lime meet standards and labeled guarantees, conducts programs for seed and organic certification, provides diagnosis of plant pests, and ensures readiness to respond to a catastrophic event impacting the state's agriculture.			\$ 980,441	\$ 980,441			\$ 1,275,000	\$ 1,275,000	All Goal 4 Objectives
II.A. Livestock-Poultry Health - General	The role of the Clemson Livestock Poultry Health (LPH) is to protect animal health through control of endemic, foreign, and emerging diseases in livestock and poultry and to protect the health of S. C. consumers by providing a comprehensive inspection service to ensure that meat and poultry products are safe, wholesome and accurately labeled.	\$ 3,953,011	\$ 302,869		\$ 4,255,880	\$ 3,953,011	\$ 1,269,513		\$ 5,222,524	All Goal 3 Objectives

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Program Template

Program/Title	Purpose	FY 2016-17 Expenditures (Actual)				FY 2017-18 Expenditures (Projected)				Associated Objective(s)	
		General	Other	Federal	TOTAL	General	Other	Federal	TOTAL		
II.B. Livestock-Poultry Health - Restricted	The role of the Clemson Livestock Poultry Health (LPH) is to protect animal health through control of endemic, foreign, and emerging diseases in livestock and poultry and to protect the health of S. C. consumers by providing a comprehensive inspection service to ensure that meat and poultry products are safe, wholesome and accurately labeled.			\$ 2,233,695	\$ 2,233,695			\$ 2,500,000	\$ 2,500,000	All Goal 3 Objectives	
III. Agricultural Research	The role of Clemson's Experiment Station is to conduct research to develop relevant, science-based information that improves the state's economy by enhancing agriculture and forestry production, and natural resources management.	\$ 16,256,687	\$ 5,166,298	\$ 5,297,988	\$ 26,720,973	\$ 16,694,187	\$ 5,642,886	\$ 5,750,000	\$ 28,087,073	All Goal 1 Objectives	
IV. Cooperative Extension	The role of Clemson Extension is to transfer science-based information from the Experiment Station, Livestock-Poultry Health and Regulatory Services to commercial growers, livestock producers, land managers and individuals so that clientele can use the information to improve their well-being.	\$ 17,294,061	\$ 6,283,493	\$ 6,941,519	\$ 30,519,073	\$ 18,656,561	\$ 11,729,700	\$ 7,750,000	\$ 38,136,261	All Goal 2 Objectives	
					\$ -						\$ -

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Legal Standards Template

Item #	Law Number	Jurisdiction	Type of Law	Statutory Requirement and/or Authority Granted	Does this law specify who (customer) the agency must or may serve? (Y/N)	Does the law specify a deliverable (product or service) the agency must or may provide? (Y/N)
1	46-9-10 et seq	State	Statute	Provides for the creation of the State Crop Pest Commission to carry out the regulation and/or eradication of certain plant pests and diseases.	Yes	Yes
2	46-13-10 et seq	State	Statute	Provides for Clemson to operate a pesticide program in South Carolina.	Yes	Yes
3	46-21-610 et seq.	State	Statute	Provides for Clemson to operate a program of seed and plant certification to foster the production and distribution of pure varieties of seed and plants in South Carolina.	Yes	Yes
4	46-35-10 et seq	State	Statute	Provides the Director of Regulatory and Public Service Programs shall regulate neglected or abandoned fruit orchards in the State.	Yes	Yes
5	46-7-10 et seq	State	Statute	Provides for the Director of Plant Industries to oversee the regulation of plant pests and pesticides throughout the State.	Yes	Yes
6	46-10-10 et seq	State	Statute	Provides for Clemson to operate and administer a Boll Weevil Eradication Program.	Yes	Yes
7	46-25-10 et seq	State	Statute	Provides for Clemson to regulate the inspection, analysis, distribution and sale of commercial fertilizers.	Yes	Yes
8	46-23-10 et seq	State	Statute	Provides for Clemson to regulate noxious weeds throughout the state.	Yes	Yes
9	46-37-10 et seq	State	Statute	Provides for Clemson to regulate the shipment and movement of honey bees throughout the state.	Yes	Yes
10	47-4-10 et seq	State	Statute	Establishes the State Livestock Poultry Health Commission; delegates authority to State Veterinarian, establishes penalties for violations and further authority to promulgate regulations.	Yes	Yes
11	47-11-10 thru 170	State	Statute	Provides for the State veterinarian to oversee the permitting, inspection and operation of a public livestock market within the State.	Yes	Yes

12	47-13-10 et seq.	State	Statute	Provides for the State Veterinarian to carry out the day to day responsibilities of the Clemson BOT as it relates to the regulation of livestock and poultry health diseases. This includes the authority to establish quarantines, enact regulations focused on the control of certain livestock diseases, to prevent the sale of diseased livestock, to embargo livestock likely to pose a disease threat.	Yes	Yes
13	47-22-10 et seq.	State	Statute	Provides that LPH Director shall permit, inspect and otherwise regulate rendering plants in South Carolina, as well as vehicles used to transport raw materials.	Yes	Yes
14	47-17-10 et seq.	State	Statute	Provides for the Director of LPH to oversee and establish a livestock meat inspection program, including the oversight and inspection of the slaughter and preparation of meat products for intrastate sale. Clemson is also authorized to carry out certain responsibilities under the Federal Meat Inspection Act if requested/agreed to by Federal Government.	Yes	Yes
15	47-19-10 et seq.	State	Statute	Provides for Clemson PSA to be the designated state agency for cooperating with the US Secretary of Agriculture under the Federal Poultry Products Inspection Act. This includes the inspection of live poultry, carcasses and poultry products, as well as inspection of facilities for sanitary conditions and practices.	Yes	Yes
16	47-6-10 et seq.	State	Statute	Provides that the State Livestock Poultry Health Commission and State Veterinarian shall regulate the control and eradication of pseudo rabies in SC.	Yes	Yes
17	46-7-10, and 46-7-100 et seq	State	Statute	Clemson University shall have general powers and duties related to certain agricultural investigations, including the regulation and enforcement of livestock and poultry diseases, host statewide Extension meetings, etc.	Yes	Yes
18	46-7-30, and 46-7-50 and 46-7-80 thru 90	State	Statute	Provides for Clemson University to operate at least two experimental stations across the State to conduct farm demonstrations and research. Furthermore, Clemson to receive appropriations from Congress for operation of said experiment stations.	Yes	Yes
19	46-7-60 thru 90	State	Statute	Provides for Clemson to receive funding from Congress, as well as grants, while carrying out research and cooperative extension work.	Yes	Yes
20	47-7-10 et seq.	State	Statute	Clemson University shall have general powers and duties related to certain agricultural investigations, including the regulation and enforcement of livestock and poultry diseases.	Yes	Yes

**Agency Name:** Clemson University PSA

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**Customer Template**

Divisions or Major Programs	Description	Service/Product Provided to Customers	Customer Segments	<i>Specify only for the following Segments: (1) Industry: Name; (2) Professional Organization: Name; (3) Public: Demographics.</i>
Livestock-Poultry Health Programs	Ensures the continued health of the livestock and poultry industry, ensure safe, wholesome, properly labeled meat and poultry products.	Protects health and marketability of livestock and poultry and products in the state, inspects meat and poultry products in state inspected plants and protects public health in SC.	Executive Branch/State Agencies	
Livestock-Poultry Health Programs	Ensures the continued health of the livestock and poultry industry, ensure safe, wholesome, properly labeled meat and poultry products.	Protects health and marketability of livestock and poultry and products in the state, inspects meat and poultry products in state inspected plants and protects public health in SC.	Industry	Poultry (All phases of Broilers, Turkeys, Layers, Breeders, Quail, Pigeon, ducks), Beef Cattle, Dairy Producers, Pork Industry, Sheep, Goats, Horses, Alpacas, zoos, veterinarians, state meat/poultry slaughter facilities, state meat/poultry processing facilities
Clemson Experiment Station	Conducts research to identify critical issues and find solutions through research that support South Carolina's agriculture and forest industries.	Scientists work to improve the quality of life for people in South Carolina, the nation, and the world by providing science-based information on major issues facing decision makers.	General Public	Producers, Commercial and small farmers; academic institutions; researchers
Cooperative Extension Service	Improve the economy, environment, and well-being of South Carolinians through the delivery of unbiased research-based information and education.	Agents meet the diverse needs of S. C. citizens by delivering research-based information on Agrisystems Productivity and Profitability, Environmental and Natural Resource Conservation, Food Safety and Nutrition, Agribusiness, and 4-H Youth Development.	General Public	Youth ages 5-19; Producers, Commercial and small farmers, Gender: All, Economic requirements: All incomes
Dept. of Pesticide Regulation	Regulatory and Public Service Agency with Clemson University	The Department of Pesticide Regulation works to protect health, property, and our environment by promoting the safe and proper use of pesticides. Our programs include applicator licensing and education, pesticide container recycling, integrated pest management in schools, endangered species protection, and the worker protection program. Pesticide Regulation is the enforcement and investigative authority in South Carolina for pesticide use, alleged pesticide misuse, substandard termite treatments, and the South Carolina Wood Infestation Report.	General Public	All pesticide users

Dept. of Plant Industry - Seed Program	Regulatory and Public Service Agency with Clemson University	The Department of Plant Industry's Seed Program works to serve the farmers who grow certified seed crops. The service is to provide inspections/approvals/ disapprovals by AOSCA standards for crop to be certified in the program.	General Public	Growers
Dept. of Plant Industry - Fertilizer Program	Regulatory and Public Service Agency with Clemson University	The Department of Plant Industry's Fertilizer Program aims to control quality and guarantees of all fertilizer, lime, landplaster sold in South Carolina.	General Public	All farmers or purchasers of fertilizer in South Carolina
Dept. of Plant Industry - Fertilizer Program	Regulatory and Public Service Agency with Clemson University	The Department of Plant Industry's Fertilizer Program works to serve the industry for all fertilizers/lime/ and landplaster manufacturers and dealers in South Carolina by AAPFCO recognized guidelines.	Industry	Fertilizer Industry
Agricultural Service Lab	Regulatory and Public Service Agency with Clemson University	To provide information and analytical testing of soil, plant tissue, feed and forage, animal waste, irrigation water, and compost.	General Public	Individual clients, commercial dealers, Extension Agents, Extension Specialists, and researchers in South Carolina

Agency Name: **Clemson University PSA**

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Partner Template

Name of Partner Entity	Type of Partner Entity	Description of Partnership	Associated Objective(s)
Counties throughout the state	Local Government	Quarterly meetings allow partners to communicate planned activities and share opportunities for partnering. Anderson Stormwater Partners assist with Green Pond Landing Bio-Cell Project to convert and existing dry detention pond into a bio-cell and serve as a demonstration project for the community.	2.7.1
Ashley Cooper Stormwater Education Consortium	Non-Governmental Organization	Meetings allow partners to communicate planned activities and share opportunities for partnering.	2.7.1
Clemson University's Food, Nutrition and Packaging Science Department	Higher Education Institute	Assisted with the Healthy Lifestyles Summit and Cooking like a Chef summer day camps	2.6.1
Palmetto Conservation Foundation and the City of Columbia Animal Shelter	Non-Governmental Organization	Partnered to implement Trails and Tails hike. Almost 50 participants hiked with 18 shelter dogs. Sumter Stormwater Solutions provided bandanas and information on keeping our trails and waterways clean.	2.7.1
Natural Resources Conservation Service	Federal Government	Partnered to sponsor Cover Crops and Irrigation Management Workshop	2.7.1
Local Soil and Water Conservation Districts	Local Government	Work with them on many soil and water conservation projects. Partner to host field day events on soil conservation, water issues, and sustainable	2.2.1
Future Farmers of America	K-12 Education Institute	Agents work with a number of FFA programs/teachers around the state to provide up-to-date information to high school agriculture students about	2.3.1
Lowcountry Food Bank	Non-Governmental Organization	Partnered to teach nutrition lessons during Cooking Matters Classes held at St. Stephen Elementary School.	2.6.1
SC Elementary, Middle and High Schools	K-12 Education Institute	To provide educational programming, (i.e., school enrichment, field trips, after school programs).	2.6.1
South Carolina Master Gardeners	Professional Association	Work with 4-H Gardening Project and also with county gardening programs in the schools	2.6.1
Department of Social Service (CACFCP) Child and Adult Care Food Program	State Government	Conducted 5 Hour training Building a Healthy Plate with MyPlate & CACFP meal pattern in Greenville and Richland Counties	2.4.2
EnLIGHTen SC	Local Government	work with the State 4-H Engineering Event	2.6.1
Home school associations	Local Government	Partner to provide educational programming	2.6.1
SC Department of Natural Resources	State Government	Partnered to sponsor residential wildlife and natural resources camp	2.6.1

South Carolina State Fair		This group hosts 4-H Day at the Fair, host the Healthy Lifestyles Competition. This year they are hosting a 4-H Alumni Day at the fair, the 4-H Poultry Showmanship Award, the 4-H Rabbit Showmanship Award and donate scholarships for other state awards.	2.6.1
	Private Business Organization		
South Carolina's Coalition for Mathematics		Work with Science on the Move	2.6.1
Tractor Supply Company	Private Business Organization	Conduct fall and spring "4-H Clover Campaigns"	2.6.1
South Carolina Farm Bureau and county bureaus throughout the state	Non-Governmental Organization	Partner to provide educational programming	2.6.1, 2.3.1
USC Salkehatchie, Central Carolina Technical College, Greenville Tech		To assist in planning and implementing programs. Partnered to provide computer coding and robotics training for teachers in some regions, developed youth water quality monitoring program, Culinary Partners for SC School Foodservice Nutrition Training, and natural resources programs.	2.6.1
	State Government		
Quality Deer Management Association	Professional Association	Assist with the wildlife food plot project	2.7.1
Wild at Webb	Private Business Organization	Assist with a Forestry Clinic and a summer wildlife camp	2.6.1
Wannamaker Wildlife	Private Business Organization	Assist with the wildlife food plot project	2.6.1
USDA		The USDA funds Experiment Station projects and all research results are reported annually to the USDA. The Pee Dee REC has partnered to promote integrated land management that includes space for wildlife, farming, and forestry through the Wildlife Habitat Incentives Program (WHIP). The Pee Dee REC serves as a demonstration site to local farmers considering adding wildlife habitat to their farms. The Pee Dee REC is home to two USDA-ARS faculty members and two professional staff. USDA-ARS faculty study similar subjects as their Pee Dee REC counterparts, including cotton research and water management.	1.1.1, 1.2.1, 1.3.1, 1.4.1
	Federal Government		
South Carolina State University		Funding and program partners on the SET IV Program which is designed to develop regional agriculture, food system and rural economic development initiatives	2.2.1, 2.5.1
	Higher Education Institute		
North Carolina State University		Pee Dee REC faculty member Dr. Francis Reay-Jones is currently working with Dr. Hannah Burrack of North Carolina State University to investigate the biology and pest status of the tobacco splitworm.	1.1.1
	Higher Education Institute		
Catawba Farm and Food Coalition		Partner to promote the purchase of locally grown and produced foods, to keep valuable agricultural land in production, to ensure the economic viability of farms, to benefit public and environmental health and to strengthen our regional economy.	2.5.1
	Non-Governmental Organization		

SC Department of Agriculture		Partner to provide educational programming. DPR works closely with the DoA as a result of mutual interests concerning SC agriculture. Partners with the Agribusiness Team to grow the agriculture industry in SC overall in commercial agriculture production and local food systems.	2.1.1, 2.2.1, 2.2.3, 2.3.1, 2.5.1, 2.6.1, 4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
	State Government		
SC Agribiz Council	Professional Association	Partner to provide educational programming	2.1.1, 2.2.1, 2.2.3, 2.3.1, 2.5.1, 2.6.1
AgFirst	Professional Association	Partner to provide educational programming	2.1.1, 2.2.1, 2.2.3, 2.3.1, 2.5.1, 2.6.1
Arbor One	Professional Association	Partner to provide educational programming	2.1.1, 2.2.1, 2.2.3, 2.3.1, 2.5.1, 2.6.1
AgSouth	Professional Association	Partner to provide educational programming	2.1.1, 2.2.1, 2.2.3, 2.3.1, 2.5.1, 2.6.1
USDA APHIS VS		Livestock & Poultry Animal Health disease prevention, surveillance, control and eradication	3.1.1, 3.2.1, 3.3.1
	Federal Government		
USDA FSIS	Federal Government	Matching funds and oversight of state meat inspection	3.2.1
SC DHEC	State Government	Zoonotic diseases	3.1.1, 3.2.1, 3.3.1
SC DNR	State Government	Wildlife Diseases	3.1.1, 3.2.1, 3.3.1
Clemson University Police Department	State Government	Serves as training support, firearms, legal update, maintain officer personnel files. Through their terminal load DPR arrest warrants into the NCIC database.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10.
SC Dept. of Natural Resources	State Government	Often conduct joint criminal investigations of environmental crimes with DNR Law Enforcement. Partner to prevent and control wildlife diseases.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10, 3.1.1, 3.2.1, 3.3.1
US EPA	Federal Government	Through a cooperative agreement, DPR serves as the State Lead Agency charged with investigating civil and criminal violations of the Federal Insecticide, Fungicide and Rodenticide Act.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
SC State Diagnostic and Veterinary Lab	State Government	Provides laboratory analysis of investigative samples pertaining to domestic or animal kills as a result of accidental or intended pesticide poisonings. Also performs all necropsies on animals that are suspected of being intentionally, illegally poisoned by a pesticide.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
SC Attorney General	State Government	DPR CID maintains a close working relationship with Assistant Attorney General assigned to environmental crimes. AG provides legal advice, assists in the drafting of search and arrest warrants, prosecutes all DPR cases assigned to General Sessions Trials, and prepares Departmental indictments for officer testimony in front of the Grand Jury.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10

SCPCA	Professional Association	Work closely with SCPCA which is a member-funded, non-profit organization committed to protecting public health, food and property from pests.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
AAPCO	Professional Association	Oversees the State FIFRA Issues Research and Evaluation Group (SFIREG). SFIREG and it's working committees provide a platform for the states and EPA to resolve challenges to successful implementation of pesticide programs and policies in the USA and territories.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
ASPCRO	Professional Association	Promote better understanding and efficiency in the administration of laws and other written documents of regulatory authority between states concerning the control and eradication of pests of structures and their immediate environs.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
SLED	State Government	DPR and the SC Law Enforcement Division have developed an exceptional working relationship by way of a seamless exchange of information with the agents that operate the Fusion Center. SLED provides potential lifesaving information through NCIC data and criminal history information of targets of criminal investigations. DPR – CID law enforcement all hold their commission through SLED.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
Criminal Justice Academy	State Government	Provides initial training and certification of all DPR certified law enforcement officers. SCCJA provides periodic training and yearly re-certifications.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
SC DMV	State Government	Supplies crucial vehicle and driver information which enables DPR to run vehicle license plates. Access to this restricted information is through a joint agreement between DPR, DMV and SLED.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
ES EPA	Federal Government	Criminal Investigations Division Special Agents routinely work with DPR law enforcement where the interests of the state of SC and the United States Government coincide.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
EPA CID	Federal Government	Provides periodic firearms trainings, presents talks on the fourth amendment. Special agents accompany DPR law enforcement on occasion into the field to work parallel investigations.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10
US Dept. of Homeland Security	Federal Government	Has on multiple occasions ask for the assistance of DPR agents to run joint investigations where pesticides are being shipped illegally into the US from other countries of origin.	4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10

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US Customs and Border Patrol

Federal Government

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Contact DPR agents when shipments of mis-branded, illegal or otherwise questionable pesticides are processed through Customs.

4.1.1, 4.1.2, 4.2.1, 4.2.2, 4.3.1, 4.4.1, 4.5.1, 4.6.1, 4.7.1, 4.8.1, 4.9.1, 4.10

Agency Name: **Clemson University PSA**

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Report Template

Item	Report Name	Name of Entity Requesting the Report	Type of Entity	Reporting Frequency	Submission Date (MM/DD/YYYY)	Summary of Information Requested in the Report	Method to Access the Report
1	Research and Extension Annual Plan of Work	National Institute of Food and Agriculture	Federal	Annually	4/1/2017	Annual Plan of Work	<a href="https://portal.nifa.usda.gov/web/areera/plans/2017-2021/2017-South-Carolina-State-University-and-Clemson-University-Combined-Research-and-Extension-Plan-of-Work.pdf">https://portal.nifa.usda.gov/web/areera/plans/2017-2021/2017-South-Carolina-State-University-and-Clemson-University-Combined-Research-and-Extension-Plan-of-Work.pdf</a>
2	Research and Extension Annual Report of Accomplishments	National Institute of Food and Agriculture	Federal	Annually	4/1/2017	Annual Report of Accomplishments	<a href="https://reeis.usda.gov/areera/search/2007/to-date?state=SC&amp;year=2015&amp;doctype%5B%5D=REPORT">https://reeis.usda.gov/areera/search/2007/to-date?state=SC&amp;year=2015&amp;doctype%5B%5D=REPORT</a>
3	Project Financial Report	National Institute of Food and Agriculture	Federal	Annually	2/1/2017	Annual Financial Report	<a href="https://portal.nifa.usda.gov/portal/front/home">https://portal.nifa.usda.gov/portal/front/home</a>
4	McIntire-Stennis Program of Research	National Institute of Food and Agriculture	Federal	Annually	7/25/2017	Annual McIntire-Stennis Project Reporting	<a href="https://portal.nifa.usda.gov/portal/front/home">https://portal.nifa.usda.gov/portal/front/home</a>
5	Animal Health Program of Research	National Institute of Food and Agriculture	Federal	Annually	8/16/2017	Annual Animal Health Project Reporting	<a href="https://portal.nifa.usda.gov/portal/front/home">https://portal.nifa.usda.gov/portal/front/home</a>
6	Animal Health Capacity Worksheet	National Institute of Food and Agriculture	Federal	Annually	1/31/2017	Annual Animal Health Financial Reporting	Report Submitted via Email
7	Mid-Year Report	EPA	Federal	Annually	7/31/2017	Excel template with 5700 Main, 5700 WPS , and 5700 CC (container/containment), 5700 Page 2; Quarterly Reports for: Groundwater, WPS, Recertification, Producer Establishments, IPM, and Pesticide Container Recycling.	Excel Spreadsheet
8	Federal Year-End Report	EPA	Federal	Annually	10/31/2016	Excel template with 5700 Main, 5700 WPS , and 5700 CC(container/containment) 5700 Page 2	Excel Spreadsheet
9	Year-End Report	EPA	Federal	Annually	1/31/2017	Excel template with 5700 Main, 5700 WPS , 5700 CC(container/containment), and Outcomes for the Work Plan approved by EPA 5700 Page 2; Quarterly Reports for: Groundwater, WPS, Recertification, Producer Establishments, IPM, and Pesticide Container Recycling.	Excel Spreadsheet
10	Annual Report	AOSCA	Outside Organization	Annually	1/1/2017	Annual summary of the seed certification program. AOSCA sets the national standards for seed certification.	Published on AOSCA website
11	Annual Report	AAPFCO	Outside Organization	Annually	1/1/2017	Annual summary of the fertilizer tonnage program. AAPFCO sets the national standards for fertilizer.	Published on AAPFCO website (Administration portal)

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**External Review Template**

<b>Item</b>	<b>Name of Entity Conducted External Review</b>	<b>Type of Entity</b>	<b>External Review Timeline (MM/DD/YYYY to MM/DD/YYYY)</b>	<b>Method to Access the External Review Report</b>
1	USDA Food Safety Inspection Service	Federal	2016-2017	Report Can Be Mailed