

AGENCY NAME:	Clemson University PSA		
AGENCY CODE:	P200	SECTION:	45

**Fiscal Year 2019–2020
Accountability Report**

SUBMISSION FORM

AGENCY MISSION	<p>Clemson Public Service and Agriculture (PSA) is a state agency comprised of four units: Clemson Experiment Station, Clemson Cooperative Extension Service, Livestock and Poultry Health, and Regulatory Services. Clemson PSA safeguards the health and safety of livestock, poultry and companion animals and protects the food supply and public health of South Carolinians through its Livestock Poultry Health division, while PSA's Regulatory Services division ensures the safe, effective use of fertilizers and pesticides, and the quality of seeds and plants grown in the state and conducts programs that prevent agroterrorism. Clemson PSA works collaboratively with Clemson's College of Agriculture, Forestry and Life Sciences to conduct research and outreach through the Clemson Experiment Station and Clemson Cooperative Extension Service.</p>
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AGENCY VISION	<p>To be acknowledged as the foremost provider of practical new discoveries, outreach and education, and technical assistance in the areas of agrisystems productivity and profitability, agribusiness, environmental and natural resources, 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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Does the agency have any major or minor recommendations (internal or external) that would allow the agency to operate more effectively and efficiently?

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

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Is the agency in compliance with S.C. Code Ann. § 2-1-230, which requires submission of certain reports to the Legislative Services Agency for publication online and to the State Library? See also S.C. Code Ann. § 60-2-30.

	Yes	No
REPORT SUBMISSION COMPLIANCE:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Is the agency in compliance with various requirements to transfer its records, including electronic ones, to the Department of Archives and History? See the Public Records Act (S.C. Code Ann. § 30-1-10 through 30-1-180) and the South Carolina Uniform Electronic Transactions Act (S.C. Code Ann. § 26-6-10 through 26-10-210).

	Yes	No
RECORDS MANAGEMENT COMPLIANCE:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Is the agency in compliance with S.C. Code Ann. § 1-23-120(J), which requires an agency to conduct a formal review of its regulations every five years?

	Yes	No
REGULATION REVIEW:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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

	<u>Name</u>	<u>Phone</u>	<u>Email</u>
PRIMARY CONTACT:	Dr. George R. Askew	864-656-3140	gaskew@clemson.edu
SECONDARY CONTACT:	Dr. Susan T. Guynn	864-656-0606	sguynn@clemson.edu

I have reviewed and approved the enclosed FY 2019–2020 Accountability Report, which is complete and accurate to the extent of my knowledge.

AGENCY DIRECTOR (SIGN AND DATE):	Signature on file
(TYPE/PRINT NAME):	Dr. George R. Askew, Vice President, Clemson University Public Service and Agriculture

BOARD/CMSN CHAIR (SIGN AND DATE):	Signature on file
(TYPE/PRINT NAME):	Mr. E. Smyth McKissick, III, Chairman, Clemson University Board of Trustees

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AGENCY'S DISCUSSION AND ANALYSIS

Clemson University [Public Service and Agriculture](#) (PSA) has responsibilities related to two-thirds of the land-grant mission of Clemson University: research and outreach. The current structure of PSA consists of four units: Clemson Experiment Station, Clemson Cooperative Extension Service (CES), Livestock and Poultry Health (LPH) and Regulatory Services (RS). These four units work together seamlessly to help promote and protect the agriculture and forest industries in South Carolina, which are, collectively, a \$41.7 billion industry, supporting over 200,000 jobs. Additionally, research and outreach is conducted to promote the well-being of citizens through improved nutrition, food safety practices, and positive youth development.

To support these efforts, PSA has institutes and centers that are focused on critical areas: Animal Coproducts Research and Education Center, Archibold Tropical Research and Education Center, Institute of Translational Genomics, South Carolina Water Resources Center, and Wood Utilization + Design Institute. Additionally, the Clemson Experimental Forest and the South Carolina Botanical Gardens fall under the umbrella of PSA. The Clemson Experimental Forest is a 17,500-acre working forest that surrounds campus and is utilized for teaching, research, and outreach. The South Carolina Botanical Garden, also adjacent to campus, is a 295-acre sanctuary for the purpose of re-engaging people with nature.

PSA is led by the Vice President for PSA, Dr. George R. Askew, and the Dean of the College of Agriculture, Forestry, and Life Sciences (CAFLS) and Associate Vice President for PSA, Dr. Keith L. Belli. The four units of PSA are led by: Dr. Paula Agudelo, CAFLS Associate Dean for Research and Director of the Experiment Station; Dr. Stephen Cole, Director of Regulatory Services; Dr. Thomas R. Dobbins, CAFLS Associate Dean of Outreach and Engagement and Director of Clemson Cooperative Extension Service; and Dr. Boyd Parr, State Veterinarian and Director of Livestock and Poultry Health (see Figure 1 for the PSA Organizational Chart).

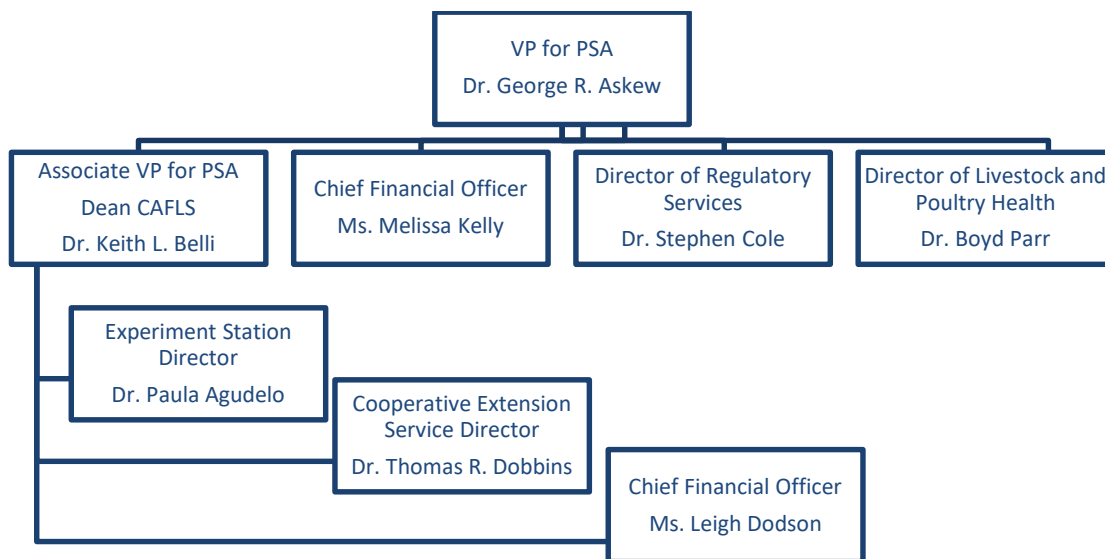


Figure 1. Public Service and Agriculture Organization Chart (Revised 5/21/2019)

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CLEMSON EXPERIMENT STATION (<http://www.clemson.edu/cafls/research>)

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. These data go along with a higher number of educational programs and published peer-reviewed journal articles. Over the past year, there has been increased focus on integrating the Research and Education missions of the Experiment Station. With few exceptions we were able to approach or exceed Experiment Station objective targets for 2019-20. The only major deficiency meeting an objective is associated with graduate student numbers. This decline in graduate student numbers follows a large increase in 2018-19 from 137 to 154 students. The decline noted this year may relate to a return to historical numbers but is more likely due to graduate student numbers not being reported in Summer session presumably due to COVID-19. For FY 2019-20, The Clemson Experiment Station has been involved in multiple areas of research. These areas include but are not limited to the following:

Sustainable Animal Production System (Planned Program #1)

Clemson researchers studied pre- and post-weaning strategies and milk replacer regimes to improve rumen adaptation during the transition period. Three in-vitro projects examining the effects of using high concentrations of fat in precision-fed system for heifers were completed as were three projects to improve nutrient utilization efficiency and animal health. In-vitro and in-vivo projects were also undertaken continuing our work of evaluating rumen modifiers and ameliorating milk fat depression through dietary manipulations. Two in-vivo projects were conducted to determine if a treatment process applied to protein capsules containing fish oil slowed protein degradation time in rumen buffer and prevented biohydrogenation of internal omega fatty acids in lactating dairy cows. A third project used continuous culture fermentation to determine the effects of caffeine on rumen fermentation, digestibility coefficients and microbial flow. Gradual weaning seems not to affect successful growth and development when calves are fed moderate amounts of milk replacer. However, when high amounts of milk replacer are provided, it is necessary to wean gradually to allow enhanced rumen development, microbial establishment and increase feed efficiency. Rumen protection technology shows initial promise and further evaluation using in-vivo approaches is ongoing. Increasing levels of fat under precision feeding system showed a potential to reduce DMI yet maintain optimal rumen fermentation conditions and nutrient utilization. These findings have the potential to impact dairy weaning strategies throughout the region and improve dairy heifer development.

Sustainable Agriculture Production for Non-food Horticulture Crops (Planned Program #2)

Invasive plant species are key drivers of global environmental changes leading to the disruption of ecosystems. Many invasive species engage in novel niche construction through plant-soil feedbacks facilitated by the input of secondary compounds, which help their further spread and survival. These compounds can persist in soil even after the removal of the invasive species thus creating a legacy effect that inhibits the return of native flora and fauna or inhibit growth of economically important crops. Clemson researchers have developed active intervention strategies that can reverse niche construction and improve restoration of invaded ecosystems or establishment of crops. Altering management practices that can reverse soil carbon and nutrient cycling in invaded ecosystems can facilitate the rapid restoration of the invaded sites. This was tested by adding soil carbon amendments such as activated carbon and biochar to alter the microbial functional activity and nutrient cycling for restoration of invaded habitats. We tested this hypothesis in an old-field habitat that has been invaded by Japanese knotweed (*Polygonum cuspidatum*) for >20 years. Plots with activated carbon and biochar had 80% more biomass of native prairie species than the control plots. The nitrate content of carbon amended plots was 5 times higher than the non-amended control plots indicating an increased nitrogen mineralization in carbon amended plots potentially due to the sorption of phenolic compounds by activated carbon and biochar that makes them unavailable. This was further supported by the increased phenol oxidase activity which

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might have been less inhibited by tannins and led to increased organic matter decomposition. Fungal biomass decreased in the carbon amended plots potentially leading to faster nutrient cycling. This research indicates the potential for carbon amendments to reverse niche construction and legacy effects of polyphenol-rich invasive species and indicate that biochar could be a more economically feasible alternative to activated carbon in restoring invaded ecosystems. Understanding the mechanism through which invasive species engage in niche construction is vital in formulating suitable knowledge-based restoration practices for invaded ecosystems and can be exploited to manage polyphenol-rich invasive species.

Natural Resource Management (Planned Program #3)

Researchers at the Clemson Waccamaw Research and Education Center have utilized long-term forest structure datasets from damage following Hurricane Hugo in 1994. This dataset was strengthened with more recent storm surge damage from Hurricane Matthew to elucidate mechanisms of forest mortality from storm surge. Additional intensive sampling of soil salinity and measures of tree health using biometric survey and UAV imagery will further strengthen the dataset allowing improved understanding of forest dynamics following increased salinity from sea level rise or storm surge. Researchers have observed that frequent prescribed fires in southeastern forests can help prevent wildfires like those that have impacted much of Northern California as well as improve overall forest health and productivity. Researchers are studying the role of fire in the Appalachian Mountains and is part of a team bringing prescribed burning back to the region. Pre-, post-, and day-of-burn fuels data were collected on 7 burns (3 in the growing season, 4 in the dormant season) on Forest Service lands (Andrew Pickens Ranger District, Sumter National Forest (SC) and Chattooga River Ranger District, Chattahoochee National Forest (GA)). Analyses have revealed that growing season burns are significantly hotter (approximately 70 degrees Celsius hotter) on average than dormant season burns, and they consume more fuels -- despite fuel moisture and relative humidity being similar between treatments. As a byproduct of this, growing season burns have a longer residence time, which results in a much longer pulse of heat into the soil and into vegetation. Dormant season burns did not impact the duff layer, while growing season burns, in some cases burned up to a 1 cm of duff. Growing season burns were also more variable in their behavior. All of our growing season burns displayed a wide range of severity and intensity (from extremely hot microsites that consumed nearly all available fuel, to sites that burned only minimally. Preliminary assessments suggest that growing season burns were more effective at eliminating undesirable shrubs, and there has also been a substantial increase in oak regeneration in burned units (regardless of season). Considering the linkages between fire behavior and vegetation, we anticipate that growing season burns will be more effective at creating the "mosaic" effect that many scientists and managers desire.

Global Food Security and Hunger (Planned Program #10)

In 2018, soybeans were the third highest value row crop in SC with \$86 million in revenue. In 2018, 9.5 million bushels of soybeans were produced with a total value of \$10.42/Bu, planted on 390,000 acres. This was the highest number of acres for any row crop. An increase of 5 Bu/A from the varieties produced, planted on only one quarter of the acres grown in 2018, could increase revenue by \$5 million. Scientists are currently in the late stages of trialing three breeding lines, with high yield and high meal protein, that are on course for release. Data collected from 2019 has not been analyzed yet and will be reported in our next report. Additional testing is needed in 2020 before these lines will be considered for release. Also, in 2019, we proposed to use four different sources of soybean meal for a feeding study to determine the added value of high meal protein produced from soybean. We included two controls and the two iso-lines, that differ only in protein content. All of the samples have been processed and prepared for the feeding study. Soybean meal is the number one source of protein for animal feed stock, so this study should prove to be valuable. The negative correlations of soybean seed protein with seed yield and seed oil are the biggest hurdle to the development of high-protein lines. The seed protein content of US soybean varieties has been declining over many decades due to the continuous selection for yield,

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without considering seed protein. In order for US soybeans to stay competitive on the world market, increasing the protein content of US soybean, without reducing yield, is vital.

COOPERATIVE EXTENSION SERVICE (<http://www.clemson.edu/extension>)

When considering the work of the Cooperative Extension Service for FY 2019-2020, it is imperative to understand the severity of the impact of COVID-19 related to carrying out its mission. Much of our work is conducted through in-person, hands-on workshops, and field days to educate citizens on emerging technologies, knowledge, and applications. Without the ability to meet in-person due to the shutdown stemming from COVID-19 and subsequent SC state restrictions placed on gatherings, much of the work of Extension had to be altered or delayed. As such, some of the metrics as reported this year may fall short of targets, which is expected given the circumstances surrounding COVID-19. However, if the reported metrics are considered on a monthly basis instead of a yearly basis, then Extension agents were performing adequately and should have either met or exceeded target metrics had their timeframe not been cut from essentially 12 months to only 8 months. For example, in FY 2018-2019, Extension reported 168,829 direct contacts, which equates to approximately 14,000 contacts per month. However, for FY 2019-2020, 162,015 direct contacts were reported, and assuming only 8 months of work instead of 12, this equates to approximately 20,000 contacts per month. This is a demonstration of how Extension was on target to exceed the number of direct contacts for 2019-2020. Some notable exceptions to this concern is that many of the agronomic crop and natural resources programs are usually conducted during the growing season, which corresponds with March-June of the COVID-19 shutdown. Therefore, essentially 4 months of field work was either lost or substantially decreased due to COVID-19.

Despite the circumstances of COVID-19 and the essential shutdown of the state for mid-March through June, Extension personnel were still able to find ways to serve the citizens of SC. While all 9 program teams in Extension performed exemplary work, 3 program team specific activities are summarized below. Further evidence of work to deliver our mission is found in the metrics.

Agribusiness team. The primary function of the Agribusiness team is to provide information and education on the use of business and economic principles for making decisions involving agriculture, natural resources, and communities. The Agribusiness team works in three primary areas to provide benefits to farmers and producers of SC, which are economic, environmental, and social. The Agribusiness team serves farmers across South Carolina by conducting workshops to teach business and marketing strategies, and to provide online resources in a variety of related areas. In FY 2019-2020, the Agribusiness team website had almost 12,700 unique visitors, which means that almost half of the estimated farms in SC (25,000) may have taken advantage of the Agribusiness team resources. One of the resources provided by the Agribusiness team were articles in Land-Grant Press by Clemson Extension. Land-Grant Press provides extension-focused articles that target non-academic and professional audiences, such as farmers, producers, and landowners. All articles submitted to Land-Grant Press are subjected to a peer-review process prior to being accepted and posted. The Agribusiness Team had 2,059 unique pageviews of their Land-Grant Press articles for FY 2019-2020. Furthermore, the Agribusiness team authored publications specifically written to help farmers navigate the COVID crisis. The Land-Grant Press articles specific to COVID19 had 1,638 unique pageviews.

A key highlight for the Agribusiness team is their emerging work in the area of farmer mental health. A study by the American Farm Bureau found that 91% of farmers are experiencing mental health issues related to financial stress. However, the same study showed that 46% of the farmers could not find a mental health counselor in their local community. To address this issue, the Agribusiness team worked with the SC Farm Bureau to help start a program to provide mental health services to farmers. One way the Agribusiness helped in this effort was to provide materials and resources to the mental health professionals so they are more knowledgeable about the issues farmers face. The Agribusiness team also intends to work with farmers to conduct full financial analyses of their

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operations to help provide information so farmers can make informed business decisions moving forward.

Food Systems and Safety. The Clemson Extension Food Systems and Safety team members work closely with both the SC Department of Agriculture (SCDA) and the SC Department of Health and Environmental Control (SCDHEC) through the Food2Market program to assist new and beginner food entrepreneurs who are navigating the food regulation and food safety requirements to produce foods for sale. The Food2Market program helps food entrepreneurs determine which regulatory authority their production and sales will fall under and to obtain their Registration Verification Certificate, which is a permit to produce and sell food products. Furthermore, the Clemson team provides produce grower training in coordination with the SCDA to teach requirements of the Food Safety Modernization Act – Produce Safety Rule. The Clemson team also provided product testing to ensure all food products met food regulations and safety requirements. In FY 2019-2020, the program conducted 400 tests for pH, water activity, gluten, and/or nutrition fact panels for more than 80 individual food entrepreneurs planning to sell foods directly under the SCDA or SCDHEC jurisdiction.

4H Youth Development. The 4-H Youth Development program is a critical aspect of many children’s lives and can have significant impact on their growth and development. When COVID-19 hit the US in March, 2020, youth were left without the structure and outlet that 4-H provides. In response to this, 4H agents in the Midlands region of SC developed the 4H@Home program as a supplemental opportunity for students to continue learning while quarantined at home. Lessons were developed that worked for a variety of age groups, covered STEM, civic engagement and leadership, natural resources, agriculture, and healthy lifestyle topics. The lessons were developed so that the materials needed to complete the projects were likely to already be on hand, thus eliminating a trip to the store. Almost 2,500 children participated representing all 46 SC counties, 46 US states, 1 US territory, 8 countries, and 4 continents. An evaluation was conducted and from a content analysis of open-ended questions, one important theme that emerged when parents were asked how the 4H@Home program benefitted their child was a reported increase in parent/child interactions. Research shows that parent/child interaction has positive impacts in the area of brain development, school readiness, and overall early development.

LIVESTOCK POULTRY HEALTH (<http://www.clemson.edu/lph/>)

The Livestock Poultry Health (LPH) programs protect the health of food animals, other livestock, and companion animals by conducting constant surveillance for diseases that affect both people and animals; providing the diagnostic expertise that allows for treatment and eradication of diseases of domestic animals; inspecting/testing the processing of foods of animal origin, and coordinating state agricultural/animal emergency response as lead agency of Emergency Support Function-17. A 2015 study reported that animal agriculture contributes \$14.5 billion to South Carolina’s overall economy. National Agricultural Statistics Service 2017 data indicate that the direct sales from SC farms percentage coming from animal agriculture is 64%. LPH programs protect and monitor the health of all livestock and poultry in the state, and is integral to this vital industry’s continuation and growth.

Foreign and Emerging Diseases: Highly Pathogenic Avian Influenza (HPAI) was detected in Chesterfield County, SC in April, 2020 following detection of Low Pathogenic Avian Influenza (LPAI) in March in the same county. Working closely with the poultry growers and integrators operating in the vicinity of those farms, as well as state animal health officials in North Carolina and USDA Veterinary Services, LPH led the effort for these two turkey farms to be quarantined, depopulated, cleaned, and disinfected quickly, thereby preventing any further spread of the virus. This detection of HPAI was the first in the U.S. since 2017 and the first significant foreign animal disease detection in SC livestock and poultry in over 40 years. The HPAI in SC was detected & eliminated in the barn it mutated from low path to high path before it spread further – all during the COVID pandemic. Virulent Newcastle Disease

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(vND) was again eradicated in California as of June 2020 following two-and-a-half-years of work but the disease remains a concern in SC. African Swine Fever (ASF) is a threat to swine, and preventing ASF from entering the US remains a top priority for state and federal animal health officials. Livestock Poultry Health is active in the efforts to promote management practices that reduce the likelihood of introduction, assure early detection and prepare robust response should HPAI, ASF, or any other foreign or emerging diseases again threaten SC livestock including poultry.

Animal Health Programs (AHP): To improve capability to accurately and quickly trace animal movements during an animal health event, electronic tag panel readers were obtained through a USDA grant for installation at two SC livestock markets as a pilot program for cattle. Also, a supply of electronic tags for cattle are available to cattle producers and veterinarians through AHP provided at no cost by USDA. In FY19-20, Animal Health Programs personnel made 908 inspections at livestock auction markets, after-hours markets, dealers, farms, and miscellaneous sales such as flea markets. These inspections are integral to livestock and poultry disease detection, control, and eradication in South Carolina, and help ensure access to both domestic and foreign markets for SC products. Secure Food Supply Plans have expanded with growing producer participation in the Secure Pork Supply Plan in addition to those already participating in Secure Milk and Secure Poultry. Preliminary work with the Secure Beef Supply Plan is also underway in SC. Secure Food Supply plans provide opportunity for farmers to help mitigate economic losses and promote business continuity during a high consequence disease event.

Emergency Support Function 17 (ESF-17) Animals and Agriculture: As lead agency for ESF-17, LPH coordinates all agricultural/animal issues under the South Carolina Emergency Operations Plan with assistance from PSA partners Regulatory Services and Clemson Cooperative Extension Service, as well as other agencies and organizations. Avian influenza was an ESF-17 event. Activities associated with Hurricane Dorian began August 29th with full activation at the state emergency operations center September 1st through September 6th. ESF-17 coordinated preparation, response and recovery from this storm for agriculture and animals. LPH provided waivers to FL, GA, and NC for certain animal health requirements to facilitate evacuation of horses and pets and received reciprocal waivers from those states and others in the region. LPH veterinarians provide leadership for the SC Veterinary Reserve Corps which has 60+ volunteers and is organized under the SC Association of Veterinarians to assist in times of animal emergencies.

Veterinary Diagnostic Center (CVDC): CVDC, the only accredited full service veterinary diagnostic laboratory in the state, completed 93,849 tests and procedures during FY19-20 in performing its animal and food safety diagnostic duties. Of these, 92,755 (over 98%) were related to production animals and regulatory duties; the remaining samples were from companion animals and wildlife. CVDC continued to fully operate during the COVID-19 pandemic and provided essential diagnostic services to the poultry industry during the HPAI and LPAI events in the Spring of 2020. CVDC is a National Animal Health Laboratory member lab as well as an approved National Poultry Improvement Plan laboratory.

South Carolina Meat-Poultry Inspection (SCMPID): SCMPID continued to meet all requests for inspections during COVID-19 during the last quarter of FY19-20 at state inspected facilities, as well as federal meat plants under cross-utilization. During this period most state inspected facilities services and products were in high demand. SCMPID completed its annual audit by USDA Food Safety Inspection Service and continued to be designated as the “at least equal to”. This review is to ensure a safe meat supply. The South Carolina program continues to meet or exceed the federal requirements. Department activities included 100% online inspection during slaughter operations on 1,997 slaughter days that processed 37,166 livestock, and more than 2.3 million poultry. Additionally, the department

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performed 44,430 individual inspection procedures during inspection in 68 slaughter and processing facilities served.

REGULATORY SERVICES (<http://www.clemson.edu/public/regulatory/index.html>)

Agricultural Service Lab: The ASL has maintained safe operation throughout the COVID-19 crisis to ensure growers had, and continue to have, access to analytical testing; well over 2,000 samples have been analyzed during that time (2020).

Department of Pesticide Regulation: Emergency rules extended applicator renewals throughout 2020 for commercial and private applicators. Renewals were processed throughout the year while support staff worked remotely approximately 33% of the work year.

Department of Fertilizer, Regulatory and Certification Services: The Department of Fertilizer Regulatory and Certification Services teamed up with South Carolina Department of Natural Resources, Clemson University Extension Service, and the Audubon South Carolina to execute a program dedicated to the South Carolina Habitat Act (50-4-10). FRCS has developed the South Carolina’s first inspection protocol for solar power generating sites promoting the use of native plant species and to attract species such as gamebirds, songbirds, and pollinators as well as encourage responsible use of herbicide and pesticide treatments. The first inspections will take place in 2021 (due to the COVID-19 pandemic), to be re-inspected in 5 year rotations.

Department of Plant Industry: Clemson Department of Plant Industry (DPI) continues to lead the nation in technology implementation for survey and inspection programs. In 2019, we moved all survey and inspection programs to online mapping systems completing a 5-year transition for all DPI programs. Early creation and adoption of ARC GIS survey software alone has heightened the efficiency of our programs resulting in reduced manpower, increased data retention and usability, and overall increased efficiency of personnel, saving the State of South Carolina taxpayers millions of dollars.

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Fiscal Year 2019-2020

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
Education, Training, and Human Development	G	1			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			Enhance research prominence in focus areas that maintain and support the growth of South Carolina's agriculture and forest industries.							
	M		1.1.1		The number of research proposals and funding requests submitted to granting agencies	377	250	477	July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	M		1.1.2		The number of research proposal funded extramurally	153	150	191	July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	M		1.1.3		The number of technical contributions related to research	95	90	121	July 1 - June 30	Experiment Station Data	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	S	1.2			Strengthen applied research through connections between Clemson University scientists and growers.							
	M		1.2.1		Research proposals that respond to the needs of commodity boards	58	60	58	July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	S	1.3			Improve undergraduate and graduate education experiences offered at RECs.							
	M		1.3.1		Number of graduate students recruited and retained	154	150	128	July 1 - June 30	Office of Institutional Research	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
Education, Training, and Human Development	G	2			The Clemson Cooperative 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			Develop and implement agricultural production systems that are economically sustainable and environmentally sound (Agrisystems Productivity and Profitability)							
	M		2.1.1		Number of acres in South Carolina impacted as a result of Extension programs	455,157	300,000	162,201	July 1- June 30	Clemson University Management Information System (CUMIS)	# of acres impacted by Extension programs. The acreage may be impacted from improved practices, alternative crops planted, application of integrated crop management strategies and other land management strategies.	Demonstrates the statewide impact of Extension programs across the State.

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	M		2.1.2		Number of producers implementing new practices learned for livestock and forage production	64%	50%	42%	July 1- June 30	CUMIS	# of producers that self-reported implementation of a livestock/forage production practice. This may include implementation of breeding practices, recommended grazing management systems, establishment of improved forage cultivars, etc.	A measure of producers that implemented practices as a result of Extension programs.
	S		2.2		Agribusiness and Agricultural Workforce Development (Agribusiness)							
	M		2.2.1		Number of people served through workshops, one-on-one meetings, online resources and other media outlets	242,549	200,000	180,126	July 1- June 30	CUMIS	# people served through direct and indirect methods.	Demonstrates the reach of the agribusiness and ag workforce development efforts across the state.
	M		2.2.2		Percentage of people reporting a gain in knowledge from workshops	82%	75%	99%	July 1- June 30	CUMIS	# of people that reported a gain in knowledge as a result of the workshops.	Demonstrates a change in knowledge.
	S		2.3		Conserve and protect all natural resources throughout South Carolina through education and implementation of best management practices (Environmental and Natural Resources Conservation)							
	M		2.3.1		Percent of landowners, homeowners, land managers, biologists, engineers, water resources managers and private citizens utilizing practices taught during programs and workshops.	93%	50%	62%	July 1- June 30	CUMIS	# of participants reporting that they implement knowledge divided by number of participants	Impact on change in behavior and actions as a result of workshops and information presented.
	M		2.3.2		Number of acres owned/managed potentially impacted by forestry and wildlife workshops and programs and acres impacted by Master Naturalist programs	423,760	150,000	264,913	July 1- June 30	CUMIS and Master Naturalist Volunteers	# of acres reported by program attendees and volunteers	Highlights the importance of conservation by SC citizens through acres managed based on information gained through programs and workshops.
	S		2.4		Provide training on the safe preparation, production and handling of food while educating citizens on wise nutritional choices that leads to improved health (Food Safety and Nutrition)							
	M		2.4.1		Estimated savings from potentially preventing food-borne illnesses in restaurants.	\$1.1 million	\$250,000	\$636,480	July 1- June 30	CUMIS	# establishments represented in programs teaching safe food preparation and handlings programs (from CUMIS) * \$6,630	This shows the potential economic impact to restaurants. The current estimate of \$6,330 per restaurant is from Health Reports 2018 disseminated by John Hopkins University. This is the lowest estimated cost to a restaurant but ranges up to \$2.6million per establishment.

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	M		2.4.2		Improve the quality of life for South Carolinians through increased physical and mental health in 5 rural counties.	4,398	2,000	1,172	July 1- June 30	CUMIS	# people improving life and improved lifestyles through attendance at health and nutrition programs throughout SC	Shows how Extension efforts are improving the quality of life for South Carolina residents through food nutrition and health programs. Indicators are reported increases in physical activity, lower biometrics, improved diets, adherence to prescription medication instructions, etc.
	S		2.5		Empower youth to grow into healthy and productive members of society through hands-on, inclusive and mentored learning opportunities (Youth Development and Families)							
	M		2.5.1		Potential future volunteer contributions (in dollars) by current 4-H members (projected 15 years into the future).	\$33.6 Million	\$29.0 Million	\$35.6 Million	Club Year September 1 - August 30	ES-237	(# 4-H members * Volunteer Hourly rate) * (Avg # Volunteer Hours for 4-H by adults) projected forward 15 years with an inflation rate of 2.5%	Provides a measure of the potential volunteer value 15 years into the future by current 4H members
	M		2.5.2		Percentage of 4-H members engaged in citizenship and community service programs.	30%	25%	21%	Club Year September 1 - August 30	ES-237	Percentage of 4-H participants in citizenship programs divided by total 4-H participation	Percentage of 4-Hers participating in community, leadership and citizenship projects conveys the reach of the 4-H program in SC
Maintaining Safety, Integrity and Security	G		3		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.							
	S		3.1		Enforce state and federal animal health laws and regulations by monitoring interstate movement of animals, performing inspections at livestock auction markets, and developing and expanding livestock traceability capability for livestock disease prevention, control, surveillance and eradication programs to protect animal and public health.							
	M		3.1.1		Total number of new premises registered by Livestock Poultry Health	7,070	7,170	8,525	July 1 - June 30	LPH reports	Total premises registered	Indicator of continued activity is an essential element of animal disease traceability
	M		3.1.2		Meet disease testing and trace back requirements for continued "disease free" status as specified in the code of federal regulations	Met	Meet	Met	July 1 - June 30	LPH reports	Disease testing requirements met to maintain status	Affects access to interstate and international markets for SC livestock, poultry and products produced by them
	M		3.1.3		Number of inspections and investigations conducted at locations including livestock markets, exhibitions, sales, and on livestock farms throughout South Carolina	914	450	908	July 1 - June 30	LPH reports	Number of inspections, farm visits, and investigations	Indicator of the breadth and depth of surveillance activities important to LPH's ability to detect and respond to livestock and poultry diseases

Statewide Enterprise Strategic Objective	Type	Item #			Description	2019-20			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	S	3.2			Protect the health of consumers by providing a comprehensive inspection service to ensure safe, properly labeled, wholesome meat and poultry products through inspections and regulation in state and federal cross-utilization meat and poultry plants.							
	M		3.2.1		Operate under "at least equal to" status from USDA Food Safety Inspection Service (FSIS)	Met	Met	Met	July 1 - June 30	FSIS designation	On-site triennial review by FSIS and desk review each of the two years in between	Required under the Federal Meat and the Federal Poultry Inspection Act to operate state program and receive federal cost match
	M		3.2.2		Percent of permitted establishments with two in-depth reviews completed	100%	100%	100%	July 1 - June 30	SCMPID reports	% permitted establishments with two in-depth reviews completed	Measures critical to maintaining "at least equal to" status with the USDA Food Safety Inspection Service
	M		3.2.3		Percent of inspections of meat and poultry plants and HACCP and SSOP records by inspector in charge	100%	100%	100%	July 1 - June 30	LPH inspection reports	% daily inspection of all slaughter meat and poultry plants and records, when operating. In-depth reviews of meat and poultry plants and HACCP and SSOP records by inspectors.	Measures critical to maintaining "at least equal to" status with the USDA Food Safety Inspection Service
	S	3.3			Provide accurate and timely veterinary diagnostic and surveillance testing for early detection of disease, thus improving response and mitigating economic losses in livestock and poultry industry sectors.							
	M		3.3.1		Pass rate of National Veterinary Services Laboratories (NVSL) proficiency tests for procedures performed in Clemson Veterinary Diagnostic Center for which NVSL monitors test performance.	100%	100%	100%	July 1 - June 30	NVSL test results	Final pass rate of NVSL proficiency tests for procedures performed in Clemson Veterinary Diagnostic Center for which NVSL monitors test performance. Meet NVSL accreditation standards and criteria for technicians to be proficiency certified.	Indication of accuracy of veterinary diagnostic laboratory results
	M		3.3.2		Maintain ISO 17025 accreditation for Clemson Veterinary Diagnostic Center	Achieved	Achieve	Achieved	Status as of June 30	Accrediting bodies	ISO 17025:2005 Accredited	Measure of assurance of reliability and quality of the work done in veterinary diagnostic laboratory
	M		3.3.3		Number of diagnostic procedures performed	92,887	80,000	93,849	July 1 - June 30	LPH reports	Total number of diagnostic procedures to accomplish mission and serve SC veterinarians and livestock and poultry producers.	Indication of the demand for services from sectors served by veterinary diagnostic laboratory

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	Base	2019-20		Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure			Target	Actual				
	M			3.3.4	Percent of diagnostic procedures performed that are regulatory/production animal related	98.74%	90%	98.83%	July 1 - June 30	LPH reports	Percentage of diagnostic procedures that are regulatory/production animal related diagnostics directly related to primary mission serving SC veterinarians and livestock and poultry producers.	Indication of services provided aligning with primary mission sectors of LPH & Veterinary Diagnostic Center

Agency Name:	CLEMSON UNIVERSITY - PSA		
Agency Code:	P200	Section:	45

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Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
Education, Training, and Human Development	G	1			The Clemson Experiment Station aims to identify critical issues and find solutions through research that support South Carolina's agriculture and							
	S	1.1			Enhance research prominence in focus areas that maintain and support the							
	M		1.1.1		The number of research proposals and funding requests submitted to granting agencies	477	250		July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	M		1.1.2		The number of research proposal funded extramurally	191	150		July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	M		1.1.3		The number of technical contributions related to research	121	90		July 1 - June 30	Experiment Station Data	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	S	1.2			Strengthen applied research through connections between Clemson							
	M		1.2.1		Research proposals that respond to the needs of commodity boards	58	60		July 1 - June 30	INFO-ED	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	S	1.3			Improve undergraduate and graduate education experiences offered at							
	M		1.3.1		Number of graduate students recruited and retained	128	150		July 1 - June 30	Office of Institutional Research	Total number count	A tangible measurement of the value of research and technology to the scientific community and the public.
	Education, Training, and Human Development	G	2			The Clemson Cooperative Extension Service will improve the economy, environment, and well-being of South Carolinians through the delivery of						
S		2.1			Develop and implement agricultural production systems that are							
M			2.1.1		Number of acres in South Carolina impacted as a result of Extension programs	162,201	300,000		July 1- June 30	Clemson University Management Information System (CUMIS)	# of acres impacted by Extension programs. The acreage may be impacted from improved practices, alternative crops planted, application of integrated crop management strategies and other land management strategies.	Demonstrates the statewide impact of Extension programs across the State.
M			2.1.2		Number of producers implementing new practices learned for livestock and forage production	42%	50%		July 1- June 30	CUMIS	# of producers that self-reported implementation of a livestock/forage production practice. This may include implementation of breeding practices, recommended grazing management systems, establishment of improved forage cultivars, etc.	A measure of producers that implemented practices as a result of Extension programs.
S		2.2			Agribusiness and Agricultural Workforce Development (Agribusiness)							
M			2.2.1		Number of people served through workshops, one-on-one meetings, online resources and other media outlets	180,126	200,000		July 1- June 30	CUMIS	# people served through direct and indirect methods.	Demonstrates the reach of the agribusiness and ag workforce development efforts across the state.
M			2.2.2		Percentage of people reporting a gain in knowledge from workshops	99%	75%		July 1- June 30	CUMIS	# of people that reported a gain in knowledge as a result of the workshops.	Demonstrates a change in knowledge.
S	2.3			Conserve and protect all natural resources throughout South Carolina								

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	M			2.3.1	Percent of landowners, homeowners, land managers, biologists, engineers, water resources managers and private citizens utilizing practices taught during programs and workshops.	62%	50%		July 1- June 30	CUMIS	# of participants reporting that they implement knowledge divided by number of participants	Impact on change in behavior and actions as a result of workshops and information presented.
	M			2.3.2	Number of acres owned/managed potentially impacted by forestry and wildlife workshops and programs and acres impacted by Master Naturalist programs	264,913	150,000		July 1- June 30	CUMIS and Master Naturalist Volunteers	# of acres reported by program attendees and volunteers	Highlights the importance of conservation by SC citizens through acres managed based on information gained through programs and workshops.
	S			2.4	Provide training on the safe preparation, production and handling of food							
	M			2.4.1	Estimated savings from potentially preventing food-borne illnesses in restaurants.	\$636,480	\$250,000		July 1- June 30	CUMIS	# establishments represented in programs teaching safe food preparation and handlings programs (from CUMIS) * \$6,630	This shows the potential economic impact to restaurants. The current estimate of \$6,330 per restaurant is from Health Reports 2018 disseminated by John Hopkins University. This is the lowest estimated cost to a restaurant but ranges up to \$2.6million per establishment.
	M			2.4.2	Improve the quality of life for South Carolinians through increased physical and mental health in 5 rural counties.	1,712	4,000		July 1- June 30	CUMIS	# people improving life and improved lifestyles through attendance at health and nutrition programs throughout SC	Shows how Extension efforts are improving the quality of life for South Carolina residents through food nutrition and health programs. Indicators are reported increases in physical activity, lower biometrics, improved diets, adherence to prescription medication instructions, etc.
	S			2.5	Empower youth to grow into healthy and productive members of society							
	M			2.5.1	Potential future volunteer contributions (in dollars) by current 4-H members (projected 15 years into the future).	\$35.6 Million	\$29.0 Million		Club Year September 1 - August 30	ES-237	(# 4-H members * Volunteer Hourly rate) * (Avg # Volunteer Hours for 4-H by adults) projected forward 15 years with an inflation rate of 2.5%	Provides a measure of the potential volunteer value 15 years into the future by current 4H members
	M			2.5.2	Percentage of 4-H members engaged in citizenship and community service programs.	21%	25%		Club Year September 1 - August 30	ES-237	Percentage of 4-H participants in citizenship programs divided by total 4-H participation	Percentage of 4-Hers participating in community, leadership and citizenship projects conveys the reach of the 4-H program in SC
Maintaining Safety, Integrity and Security	G			3	Clemson Livestock Poultry Health will ensure the continued health of the livestock and poultry industry, ensure safe, wholesome, properly labeled							
	S			3.1	Enforce state and federal animal health laws and regulations by monitoring							
	M			3.1.1	Total number of new premises registered by Livestock Poultry Health	8,525	8,625		July 1 - June 30	LPH reports	Total premises registered	Indicator of continued activity is an essential element of animal disease traceability
	M			3.1.2	Meet disease testing and trace back requirements for continued "disease free" status as specified in the code of federal regulations	Met	Meet		July 1 - June 30	LPH reports	Disease testing requirements met to maintain status	Affects access to interstate and international markets for SC livestock, poultry and products produced by them
	M			3.1.3	Number of inspections and investigations conducted at locations including livestock markets, exhibitions, sales, and on livestock farms throughout South Carolina	908	450		July 1 - June 30	LPH reports	Number of inspections, farm visits, and investigations	Indicator of the breadth and depth of surveillance activities important to LPH's ability to detect and respond to livestock and poultry diseases

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	S	3.2			Protect the health of consumers by providing a comprehensive inspection							
	M			3.2.1	Operate under "at least equal to" status from USDA Food Safety Inspection Service (FSIS)	Met	Met		July 1 - June 30	FSIS designation	On-site triennial review by FSIS and desk review each of the two years in between	Required under the Federal Meat and the Federal Poultry Inspection Act to operate state program and receive federal cost match
	M			3.2.2	Percent of permitted establishments with two in-depth reviews completed	100%	100%		July 1 - June 30	SCMPID reports	% permitted establishments with two in-depth reviews completed	Measures critical to maintaining "at least equal to" status with the USDA Food Safety Inspection Service
	M			3.2.3	Percent of inspections of meat and poultry plants and HACCP and SSOP records by inspector in charge	100%	100%		July 1 - June 30	LPH inspection reports	% daily inspection of all slaughter meat and poultry plants and records, when operating. In-depth reviews of meat and poultry plants and HACCP and SSOP records by inspectors.	Measures critical to maintaining "at least equal to" status with the USDA Food Safety Inspection Service
	S	3.3			Provide accurate and timely veterinary diagnostic and surveillance testing							
	M			3.3.1	Pass rate of National Veterinary Services Laboratories (NVSL) proficiency tests for procedures performed in Clemson Veterinary Diagnostic Center for which NVSL monitors test performance.	100%	100%		July 1 - June 30	NVSL test results	Final pass rate of NVSL proficiency tests for procedures performed in Clemson Veterinary Diagnostic Center for which NVSL monitors test performance. Meet NVSL accreditation standards and criteria for technicians to be proficiency certified.	Indication of accuracy of veterinary diagnostic laboratory results
	M			3.3.2	Maintain ISO 17025 accreditation for Clemson Veterinary Diagnostic Center	Achieved	Achieve		Status as of June 30	Accrediting bodies	ISO 17025:2005 Accredited	Measure of assurance of reliability and quality of the work done in veterinary diagnostic laboratory
	M			3.3.3	Number of diagnostic procedures performed	93,849	80,000		July 1 - June 30	LPH reports	Total number of diagnostic procedures to accomplish mission and serve SC veterinarians and livestock and poultry producers.	Indication of the demand for services from the veterinary diagnostic laboratory
	M			3.3.4	Percent of diagnostic procedures performed that are regulatory/production animal related	98.83%	90%		July 1 - June 30	LPH reports	Percentage of diagnostic procedures that are regulatory/production animal related diagnostics directly related to primary mission serving SC veterinarians and livestock and poultry producers.	Indication of services provided aligning with primary mission sectors of LPH & Veterinary Diagnostic Center
Maintaining Safety, Integrity and Security	G	4			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,							
	M			4.1.1	Pesticide Regulation: Structural and Ornamental. Compliance rate category 7 licensed pesticide applicator	95%	60%		July 1 - June 30	Office Records	The structural compliance rate benchmark of 60% was exceeded. For the reporting period, the structural compliance rate was 94%.	Ensures compliance to protect humans, plants, animals and the environment

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	M			4.1.2	Pesticide Regulation: General. Total number of pesticide applicators licensed in category 3	3,690	2,800		July 1 - June 30	Office Records	The total number applicators possessing a valid license during the reporting period.	Indicates the ability of applicators to meet requirements for safe application of pesticides to prevent harm to humans, plants, animals and the environment
	M			4.1.3	Pesticide Regulation: Percentage of district employees trained. General; Implement sustainable IPM programs in selected SC school districts	100%	100%		July 1 - June 30	Office Records	Applicators contracted and trained to perform pest control activities at schools in 12 Districts inspected and in compliance with regulations in the following numbers: Commercial Lawn Care Operators,14, Non-Commercial Lawn Care Operators 5, Commercial Pest Control Operators 14	Provides a method to encourage schools to use Integrated Pest Management to control pests and improve indoor air quality; develops a compliance program that will be communicated to the school districts by Regulatory Investigators
	S			4.2	Protect South Carolina's structures from termites and other structural pests							
	M			4.2.1	The number of compliance, complaints and other inspections conducted annually will be recorded and compared against an established benchmark of 2000 inspections. Regulate the structural and turf/ornamental pest control industries ensuring compliance with pesticide laws and regulations	2,557	2,000		July 1 - June 30	Office Records	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 is 2,552.	Ensures compliance to protect humans, plants, animals and the environment
	M			4.2.2	The percentage of repeat violators (structural compliance)	9.0%	≤20%		July 1 - June 30	Office Records	Percentage of repeat violators was below the benchmark of 20%. For the reporting period, the percentage of structural applicators who, after receiving one enforcement action for a violation, receive one or more additional enforcement actions within the next 12 months was 9.09%.	Provides a method for measuring compliance for protection of humans, plants, animals and the environment
	S			4.3	Ensure that the fertilizer, lime, landplaster and soil amendments sold in							
	M			4.3.1	The rate of fertilizer samples found deficient. Fertilizer, lime, and soil amendments distributed to end users in South Carolina must meet label guarantees and be free of contaminants	4.5%	≤20%		July 1 - June 30	Annual Fertilizer Report	The Department of Plant Industry's Fertilizer Program collected 2,913 fertilizer samples with 131 samples being deficient. The calculated deficiency rate for the year was 8.4 %. The target deficiency rate was 20%. Fertilizer tonnage was reported at 455,862	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
	S			4.4	Protect South Carolina' agriculture and the environment from harmful or							
	M			4.4.1	All nursery growers and dealers inspected and in compliance. Protect South Carolina's ecosystem and all levels of agricultural production by mitigating impact from plant pests, i.e., plant diseases, inspections etc.	609	609		July 1 - June 30	Office Records	There was a total of 609 Nursery Growers. All 609 growers were inspected giving a 100% completion rate. There was a total of 1984 Nursery Dealers. A goal of 355 dealers were to be inspected. A total of 374 was inspected, giving a percentage of 105%	Ensures that established standards are being followed

Strategic Planning and Performance Measurement Template

Statewide Enterprise Strategic Objective	Type	Item #			Description	2020-21			Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure		Base	Target	Actual				
	M			4.4.2	Acceptance rate of phytosanitary certificates issued	100%	100%		July 1 - June 30	Office Records	DPI completed a total of 793 Federal Phytosanitary Certificates. All 793 – 100% of the federal phytosanitary certificates were accepted, meaning no shipments were declined.	Indication that goods coming into the US are free of pests and pathogens, which protects US citizens
	M			4.4.3	Number of targeted surveys to detect potential invasive species introductions and regularly survey and treat currently infested sites with the goal of eradication. The fewer the number of surveys, the fewer the pests that are detected in SC.	18	11		July 1 - June 30	Office Records	We planned to conduct 4 CAPS surveys and 4 farmbill/PPA7721 surveys. We also planned to conduct EAB, SPW, and Cogongrass detection surveys. Actual: We conducted all 8 CAPS/Farmbill, 3 other planned pest detections surveys, and 2 unplanned surveys one being GRKN detection, and the other BDF delimiting in Bamberg. In addition, 5 known infested cogongrass sites were surveyed and treated. (Kiawah, Bluffton, Hampton, Greleyville, and Effingham)	Provides a means to mitigate disasters due to invasive species and to prevent harm to humans, plants, animals and the environment
	S			4.5	Established standards will be met for the production of certified seed.							
Maintaining Safety, Integrity and Security	M			4.5.1	Percentage of seed lots inspected in the field that meet purity standards in laboratory tests. Seed is certified as true to variety and meets all official certification standards for quality and purity	100.0%	99.3%		July 1 - June 30	Office Records	1)Turf 4920.2 acres 2) Soy Beans 1328 acres 3)Small Grains 950 acres 4)Peanuts 4736.32 5)Tobacco 3 acres We also did 8 Seed Conditioner Inspections. Total number11932.2 acres of Certified Registered and Foundation.	Ensures compliance with the SC Seed Certification Standards.
	S			4.6	Correctly identify or diagnose plant pests and diseases and provide effective							
	M			4.6.1	Percentage of plant samples analyzed to identify or diagnose weed, disease, and insect problems, providing results and control recommendations to clients	100%	100%		July 1 - June 30	Plant Problem Clinic Annual Report	1,180 samples logged into PDIS (81 were Regulatory Samples) 2 Samples were canceled due to being forwarded straight to USDA for determination) Total of 1,178 Samples completed	Ensures compliance to protect humans, plants, animals and the environment
	S			4.7	Help prepare South Carolina to better recover from disasters and other							
	M			4.7.1	Percentage of employees trained on the ICS (Incident Command System) in the event of an emergency. Have trainings to make sure that everybody understands their roles	100%	100%		July 1 - June 30	Office Records	Regulatory and Public Service Programs played an integral role in manning the SEOC during the active 2018 hurricane season. Regulatory personnel manned the EF-17 SEOC desk and did an extraordinary job at fielding calls, coordinating and serving as a liaison between the citizens of South Carolina, SC agriculture and other state agencies substantially lessening the blow from both hurricane's Florence and Michael which hit SC literally weeks apart. Regulatory agents were deeply involved in recognizing needs and supported delivering assets where needed. Regulatory stands at the ready; always to assist the State's Emergency Management Operations Center when called upon.	Provides a means to mitigate disasters due to invasive species and to prevent harm to humans, plants, animals and the environment
	S			4.8	Enforce that established standards will be met for the production of							
	M			4.8.1	Percent of NOP accredited certification services to organic producers, processors, and handlers who seek certification through our agency provided to USDA.	100.0%	100.0%		July 1 - June 30	Office Reports	74 Total Certified Operations	Provides method to ensure that established standards will be met for the production of certified organic products

Statewide Enterprise Strategic Objective	Type	Item #			Description	Base	2020-21		Time Applicable	Data Source and Availability	Calculation Method	Meaningful Use of Measure
		Goal	Strategy	Measure			Target	Actual				
	S	4.9			Provide for effective leadership, management and administration of Division							
	M			4.9.1	Percent of analytical testing for soil, plant tissue, feed and forage, animal waste, irrigation water, and compost samples provided for individual clients, commercial dealers, Extension Agents, Extension Specialists, and researchers in South Carolina	100%	100%		July 1 - June 30	Agriculture Service Lab Annual Report	Soil: 45,913; Compost: 59; Animal Waste: 1,444 (790 + 654 (grant funded project)); Irrigation Water: 596; Plant Tissue: 391; Feed and Forage: 710; other samples (research and commercial customers): 7,177 Total samples - 56,290	Ensures compliance to protect humans, plants, animals and the environment
	M			4.9.2	Percentage of Apiary Inspections conducted	100%	88%		July 1 - June 30	Office Reports	100 apiaries were inspected. 1193 colonies were inspected. 44 Honeybee Import Permits and 75 Honeybee Export Certificates were issued.	Ensures compliance to protect humans, plants, animals and the environment

Agency Name: CLEMSON UNIVERSITY - PSA

Fiscal Year 2019-2020
Accountability Report

Agency Code: P200 Section: 45

Program Template

Program/Title	Purpose	FY 2019-20 Expenditures (Actual)				FY 2020-21 Expenditures (Projected)				Associated Measure(s)
		General	Other	Federal	TOTAL	General	Other	Federal	TOTAL	
I.A. Regulatory Services - General	Regulatory Services protect 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.	\$ 1,301,008	\$ 4,735,759		\$ 6,036,767	\$ 1,297,983	\$ 4,957,008		\$ 6,254,991	All Goal 4 Objectives
I.B. Regulatory Services - Restricted	Regulatory Services protect 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.			\$ 966,084	\$ 966,084			\$ 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.	\$ 4,416,813	\$ (1,493)		\$ 4,415,320	\$ 4,396,674	\$ 1,160,852		\$ 5,557,526	All Goal 3 Objectives

Program/Title	Purpose	<u>FY 2019-20 Expenditures (Actual)</u>				<u>FY 2020-21 Expenditures (Projected)</u>				Program Template
		General	Other	Federal	TOTAL	General	Other	Federal	TOTAL	Associated Measure(s)
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.			\$ 2,642,221	\$ 2,642,221			\$ 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.	\$ 19,699,663	\$ 4,575,304	\$ 6,207,590	\$ 30,482,557	\$ 19,140,112	\$ 5,628,139	\$ 5,750,000	\$ 30,518,251	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.	\$ 21,969,611	\$ 5,535,579	\$ 6,917,417	\$ 34,422,607	\$ 21,887,524	\$ 11,649,569	\$ 7,750,000	\$ 41,287,093	All Goal 2 Objectives

Agency Name: CLEMSON UNIVERSITY - PSA

Fiscal Year 2019-2020

Accountability Report

Agency Code: P200 Section: 45

Legal Standards Template

Item #	Law Number	Jurisdiction	Type of Law	Statutory Requirement and/or Authority Granted	Does this law specify who your agency must or may serve? (Y/N)	Does the law specify a product or service your agency must or may provide?	If yes, what type of service or product?	If other service or product, please specify what service or product.
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	Other service or product our agency must/may provide	Enforcement of State Regulations
2	§ 46-9-15	State	Statute	Definitions	[Redacted]	[Redacted]	[Redacted]	[Redacted]
3	§ 46-9-20	State	Statute	Appointment of State Entomologist and State Plant Pathologist.				
4	§ 46-9-30	State	Statute	Confidentiality of business information; penalties for unlawful disclosure or use of information.				
5	§ 46-9-35	State	Statute	Confidentiality of business information; penalties for unlawful disclosure or use of information.				
6	§ 46-9-40	State	Statute	Authority to promulgate and enforce regulations; other powers of commission.				
7	§ 46-9-50	State	Statute	Delegation of duties of commission to director; powers and duties of director.				
8	§ 46-9-60	State	Statute	Powers and duties of commission upon finding or suspecting infestation; quarantines; effect of quarantines.				
9	§ 46-9-70	State	Statute	Police powers of commission, assistants, deputies, and agents; violations reported to commission.				
10	§ 46-9-80	State	Statute	Penalties for interfering with commission, director, deputies, assistants, or agents.				
11	§ 46-9-90	State	Statute	Penalties for violating chapter; denial, suspension, revocation, or modification of license or certificate; civil penalties; hearing on suspension; judicial appeal not to act as stay of penalty; authority of commission to enforce its ordinances and regulations in court.				
12	§ 46-9-100	State	Statute	Fines deposited to credit of State Treasury.				
13	§ 46-9-110	State	Statute	Local ordinances void.				
14	§ 46-9-120	State	Statute	Reporting of agricultural product diseases caused by chemical or other terrorism.				
15	46-13-10 et seq	State	Statute	Provides for Clemson to operate a pesticide program in South Carolina.				
16	§ 46-13-20	State	Statute	Definitions.	[Redacted]	[Redacted]	[Redacted]	[Redacted]
17	§ 46-13-30	State	Statute	Duties delegated to Director.				
18	§ 46-13-40	State	Statute	Registration of pesticides and devices.				
19	§ 46-13-45	State	Statute	Pesticide registration fees; classes of fees.				
20	§ 46-13-50	State	Statute	Licensing of pesticide dealers.				
21	§ 46-13-55	State	Statute	Regulation of structural pest control activity.				
22	§ 46-13-60	State	Statute	Standards for certification of pesticide applicators; applicators' licenses.				
23	§ 46-13-70	State	Statute	Classification of certified applicators' licenses.				
24	§ 46-13-80	State	Statute	Expiration and renewal of licenses.				
25	§ 46-13-90	State	Statute	Denial, suspension, revocation, or modification of licenses and certificates.				
26	§ 46-13-100	State	Statute	Financial responsibility required for commercial applicator's license.				
27	§ 46-13-110	State	Statute	Reporting of accidents and incidents.				
28	§ 46-13-120	State	Statute	Records as to use of restricted use pesticides.				
29	§ 46-13-130	State	Statute	Reciprocity.				
30	§ 46-13-140	State	Statute	Exemptions from licensing requirements.				
31	§ 46-13-150	State	Statute	Pesticide advisory committee.				
32	§ 46-13-160	State	Statute	Information and courses of instruction.				
33	§ 46-13-170	State	Statute	Inspection of premises; legal actions; "stop sale, use, or removal" orders.				
34	§ 46-13-175	State	Statute	Discretion to make pesticides available for minor uses.				
35	§ 46-13-180	State	Statute	Penalties.				
36	§ 46-13-185	State	Statute	Prosecution of criminal violators; use of counsel.				
37	§ 46-13-190	State	Statute	Subpoenas.				

Legal Standards Template

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38	§ 46-13-200	State	Statute	Adjudication of alleged violations; disposal of condemned pesticides or devices.				
39	§ 46-13-210	State	Statute	Judicial review.				
40	§ 46-13-220	State	Statute	Delegation of authority to employees of Clemson University.				
41	§ 46-13-230	State	Statute	Disposition of fees.				
42	§ 46-13-240	State	Statute	Federal, interstate, and intrastate cooperation.				
43	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	Other service or product our agency must/may provide	Enforcement of State Regulations
44	§ 46-21-615	State	Statute	Definitions.				
45	§ 46-21-625	State	Statute	Enforcement; authority of state seed law enforcement officers; authority of Department of Agriculture employees; local regulation preempted.				
46	§ 46-21-635	State	Statute	Seed laboratory.				
47	§ 46-21-645	State	Statute	License to handle seeds; fee; persons subject to requirements of section; exception.				
48	§ 46-21-655	State	Statute	Exemptions.				
49	§ 46-21-665	State	Statute	Foundation seed program.				
50	§ 46-21-1010	State	Statute	Claims required to be submitted to arbitration; notice; effect of arbitration.				
51	§ 46-21-1020	State	Statute	Appointment of arbitration committee; procedures.				
52	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	Other service or product our agency must/may provide	Enforcement of State Regulations
53	§ 46-35-15	State	Statute	Definitions.				
54	§ 46-35-20	State	Statute	Petition for removal or destruction of trees.				
55	§ 46-35-30	State	Statute	Citation to show cause against removal or destruction.				
56	§ 46-35-40	State	Statute	Service of citation.				
57	§ 46-35-50	State	Statute	Order for removal or destruction of trees; service.				
58	§ 46-35-60	State	Statute	Destruction or removal of trees when owner fails to do so.				
59	§ 46-35-70	State	Statute	Enforcement.				
60	§ 46-35-80	State	Statute	Disclosure requirements relative to sale of orchards.				
75	46-10-10 et seq	State	Statute	Provides for Clemson to operate and administer a Boll Weevil Eradication Program.	Yes	Yes	Other service or product our agency must/may provide	Enforcement of State Regulations
76	§ 46-10-20	State	Statute	Definitions.				
77	§ 46-10-30	State	Statute	Administration of chapter; rules and regulations.				
78	§ 46-10-40	State	Statute	Powers of commission.				
79	§ 46-10-50	State	Statute	Quarantines; hearings and notice.				
80	§ 46-10-60	State	Statute	Additional powers of commission.				
81	§ 46-10-70	State	Statute	Inspections.				
82	§ 46-10-80	State	Statute	Cooperation with federal and adjacent state agencies.				
83	§ 46-10-85	State	Statute	Certification of cotton growers' organization; eligibility requirements; certifying resolution; revocation.				
84	§ 46-10-90	State	Statute	Treatment or destruction of cotton.				
85	§ 46-10-100	State	Statute	Penalties.				
86	§ 46-10-110	State	Statute	Caution in use of pesticides or in eradication methods.				
87	§ 46-10-120	State	Statute	Cotton producer referendum.				
88	§ 46-10-130	State	Statute	Assessments and penalties against cotton growers.				
89	46-25-10 et seq	State	Statute	Provides for Clemson to regulate the inspection, analysis, distribution and sale of commercial fertilizers.	Yes	Yes	Other service or product our agency must/may provide	Enforcement of State Regulations
90	§ 46-25-20	State	Statute	Definitions.				
91	§ 46-25-30	State	Statute	Guaranteed analysis of certain plant nutrients.				
92	§ 46-25-40	State	Statute	Rules and regulations.				

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93	§ 46-25-45	State	Statute	Commission to delegate duties to director; director to administer and enforce chapter and promulgate regulations.	Yes	Yes	Other service or product our agency must/may provide	Enforcement of State Regulations
94	§ 46-25-50	State	Statute	Sales between and to importers, registrants, and manipulators.				
95	§ 46-25-60	State	Statute	Relief from liability of registrant for distributor's alteration of content or labeling of fertilizer.				
96	§ 46-25-70	State	Statute	Misbranding.				
97	§ 46-25-75	State	Statute	Certain information to be published.				
98	§ 46-25-80	State	Statute	Penalties for violations of chapter.				
99	§ 46-25-210	State	Statute	Registration of fertilizer; application; fee.				
100	§ 46-25-240	State	Statute	When registration and sale may be prohibited.				
101	§ 46-25-250	State	Statute	Revocation or refusal of registration for fraud.				
102	§ 46-25-260	State	Statute	Exclusive use of brand name or trademark.				
103	§ 46-25-410	State	Statute	Information required on containers or with bulk shipments.				
104	§ 46-25-510	State	Statute	Sale or distribution of certain superphosphate prohibited.				
105	§ 46-25-520	State	Statute	Regulations concerning minimum standards for certain fertilizer material.				
106	§ 46-25-540	State	Statute	Filler.				
107	§ 46-25-570	State	Statute	Wet or bad mechanical condition.				
108	§ 46-25-710	State	Statute	Analyses of official samples; inspectors, chemists and other personnel; reports.				
109	§ 46-25-720	State	Statute	Entering premises; inspecting and sampling.				
110	§ 46-25-810	State	Statute	Inspection tax and tonnage reports; collection fee.				
111	§ 46-25-815	State	Statute	Fertilizer inspection fee.				
112	§ 46-25-820	State	Statute	Annual registration fee and inspection tax on packages containing ten pounds or less.				
113	§ 46-25-825	State	Statute	Registration of separately identified products.				
114	§ 46-25-830	State	Statute	Reports of sales to nonregistrants.				
115	§ 46-25-840	State	Statute	Financial statement or bond; records.				
116	§ 46-25-850	State	Statute	Examination of registrant's records.				
117	§ 46-25-860	State	Statute	Information confidential.				
118	§ 46-25-870	State	Statute	Exemptions.				
119	§ 46-25-1010	State	Statute	Penalties for plant nutrient deficiencies and other acts; appeals; distribution of penalty sums to consumers.				
120	§ 46-25-1060	State	Statute	Determination and publication of commercial values to use in assessing penalties.				
121	§ 46-25-1080	State	Statute	Penalty for shortage in weight.				
122	§ 46-25-1090	State	Statute	Forfeiture for selling, transporting, or receiving improperly branded, tagged, or misbranded fertilizer.				
123	§ 46-25-1100	State	Statute	Actions by State to recover fines and penalties; liens.				
124	§ 46-25-1110	State	Statute	Seller deemed agent for service of process on out-of-state manufacturer.				
125	§ 46-25-1120	State	Statute	Analysis of fertilizer ordered sold.				
126	§ 46-25-1130	State	Statute	Remission of certain penalties.				
127	§ 46-25-1140	State	Statute	"Stop sale, use, or removal" orders.				
128	§ 46-25-1150	State	Statute	Distribution of adulterated fertilizer prohibited.				
129	§ 46-25-1160	State	Statute	Use of regulated materials not meeting requirements prohibited; penalties.				
130	§ 46-25-1170	State	Statute	Civil penalty in addition to other penalties.				
131	46-23-10 et seq	State	Statute	Provides for Clemson to regulate noxious weeds throughout the state.				
132	§ 46-23-20	State	Statute	Definitions.				
133	§ 46-23-30	State	Statute	Commission may prevent introduction and dissemination of noxious weeds in State; remedies of owner of property destroyed or disposed of; regulations.				
134	§ 46-23-40	State	Statute	Quarantines.				

Legal Standards Template

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135	§ 46-23-50	State	Statute	Commissioner may detect and prevent spread of noxious weeds.				
136	§ 46-23-60	State	Statute	Inspections and seizures.				
137	§ 46-23-70	State	Statute	Cooperation with other governments and agencies.				
138	§ 46-23-80	State	Statute	Penalty.				
139	§ 46-23-90	State	Statute	Delegation of duties to director.				
140	46-37-10 et seq	State	Statute	Provides for Clemson to regulate the shipment and movement of honey bees throughout the state.	Yes	Yes	Other service or product our agency must/may provide	Enforcement of State Regulations
141	§ 46-37-20	State	Statute	Powers of Commission; rules and regulations.				
142	§ 46-37-25	State	Statute	Commission to delegate duties to director; authority of director.				
143	§ 46-37-30	State	Statute	Inspection; removal or destruction of bees, beekeeping fixtures and appliances.				
144	§ 46-37-40	State	Statute	Introduction of used fixtures regulated.				
145	§ 46-37-50	State	Statute	Penalty.				
146	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	Other service or product our agency must/may provide	State Animal Health Authority
147	§ 47-4-20	State	Statute	Definitions.				
148	§ 47-4-30	State	Statute	Promulgation and enforcement of rules and regulations; permitted operations.				
149	§ 47-4-40	State	Statute	Delegation of duties to director.				
150	§ 47-4-50	State	Statute	Promulgation of regulations listing diseases; reporting suspected existence of disease.				
151	§ 47-4-60	State	Statute	Certificate of veterinary inspection; requirement for out-of-state livestock or poultry; quarantine of uncertified animals; exceptions.				
152	§ 47-4-70	State	Statute	Quarantine of livestock or poultry; violation; penalty; segregation of animals; liens; abandoned animals.				
153	§ 47-4-80	State	Statute	Condemned and destroyed livestock or poultry; indemnification of owner.				
154	§ 47-4-90	State	Statute	Stop of livestock transport to check for proper documentation.				
155	§ 47-4-100	State	Statute	Penalty for illegal transportation of livestock or poultry; civil liability.				
156	§ 47-4-110	State	Statute	Police power of commission members and agents; livestock law enforcement officers; employment, removal, duties; bond.				
157	§ 47-4-120	State	Statute	Inhibition of livestock inspection; penalty.				
158	§ 47-4-130	State	Statute	Violation of provision of Title 47 is a misdemeanor; penalties; enforcement of commission regulations in court.				
159	§ 47-4-140	State	Statute	Disposition of fines and fees.				
160	§ 47-4-150	State	Statute	Advisory committees.				
162	§ 47-4-170	State	Statute	Confidential information; exemptions.				
163	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	Other service or product our agency must/may provide	State Animal Health Authority
164	§ 47-11-20	State	Statute	Permits; fees; operation without a permit is a misdemeanor.				
165	§ 47-11-30	State	Statute	Application for permit; approval of changes in operating and ownership.				
166	§ 47-11-60	State	Statute	Bond.				
167	§ 47-11-70	State	Statute	Facilities regulations; inspections; penalties.				
168	§ 47-11-80	State	Statute	Records; identification required of persons selling at market; livestock haulers exempt from licenses.				
169	§ 47-11-85	State	Statute	Identification of animals sold in public livestock market or equine sales facility.				
170	§ 47-11-90	State	Statute	Brucellosis testing.				
171	§ 47-11-100	State	Statute	Tuberculosis and paratuberculosis tests required for all animals except those for immediate slaughter.				
172	§ 47-11-110	State	Statute	Establishment of slaughter assembly points.				

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173	§ 47-11-120	State	Statute	Liability of person removing livestock for slaughter.	Yes	Yes	Other service or product our agency must/may provide	State Animal Health Authority
174	§ 47-11-130	State	Statute	Infected or exposed animals or poultry.				
175	§ 47-11-140	State	Statute	Services of veterinarians provided for auctions; cost of tests.				
176	§ 47-11-150	State	Statute	Promulgation and enforcement of regulations.				
177	§ 47-11-160	State	Statute	Enforcement.				
178	§ 47-11-170	State	Statute	Violations. 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.				
179	47-13-10 et seq.	State	Statute					
180	§ 47-13-20	State	Statute	Powers and duties of commission.	Yes	Yes	Other service or product our agency must/may provide	State Animal Health Authority
181	§ 47-13-30	State	Statute	Penalties for violations of chapter.				
182	§ 47-13-60	State	Statute	Sale of diseased livestock or fowl unlawful.				
185	§ 47-13-110	State	Statute	Sale of biological products containing living disease-producing agent.				
186	§ 47-13-130	State	Statute	Appropriation of funds in event of outbreak of diseases in animals and poultry.				
187	§ 47-13-150	State	Statute	Quarantine against importing slaughtered meat or poultry from disease-affected areas.				
189	§ 47-13-310	State	Statute	Notice to disinfect; violation is a misdemeanor.				
190	§ 47-13-320	State	Statute	Orders to disinfect animals exposed to cattle fever tick.				
191	§ 47-13-340	State	Statute	Venue of prosecutions under Section 47-13-310.				
192	§ 47-13-360	State	Statute	Indemnity payments for killing of certain animals.				
193	§ 47-13-370	State	Statute	Blank forms used to certify test results.				
194	§ 47-13-380	State	Statute	Appointment of appraisers of animals to be killed.				
195	§ 47-13-390	State	Statute	Procedure in event prescribed appraisal method is unsatisfactory to owner.				
196	§ 47-13-400	State	Statute	Form and payment of appraisements.				
197	§ 47-13-410	State	Statute	Procedure when animal killed because exposed to contagion or infection.				
198	§ 47-13-420	State	Statute	Expenses of appraisal.				
199	§ 47-13-430	State	Statute					
200	§ 47-13-510	State	Statute	Indemnity for animals condemned for foot and mouth disease, vesicular exanthema, or rinderpest.				
201	§ 47-13-520	State	Statute	"Brucellosis" defined; declaring animal infected.				
202	§ 47-13-530	State	Statute	"Approved accredited veterinarian" defined.				
203	§ 47-13-540	State	Statute	Conduct of control.				
204	§ 47-13-540	State	Statute	Exposed or suspected animals subject to quarantine.				
205	§ 47-13-550	State	Statute	Vaccination.				
206	§ 47-13-560	State	Statute	Tattooing or branding of vaccinated animals.				
207	§ 47-13-570	State	Statute	Sale of vaccine.				
208	§ 47-13-580	State	Statute	Sale of cattle generally.				
209	§ 47-13-590	State	Statute	Sale of infected animals.				
210	§ 47-13-600	State	Statute	Liability for sale of infected animal except for slaughter.				
211	§ 47-13-610	State	Statute	Veterinarian shall require testing of suspected animals.				
212	§ 47-13-620	State	Statute	Compulsory tests of cattle.				
213	§ 47-13-630	State	Statute	Blood samples to be drawn by veterinarian.				
214	§ 47-13-640	State	Statute	Report and branding of infected animals.				
215	§ 47-13-650	State	Statute	Cooperation with United States Department of Agriculture; inspectors.				
216	§ 47-13-660	State	Statute	Reports.				
217	§ 47-13-670	State	Statute	Enforcement of rules and regulations.				
218	§ 47-13-680	State	Statute	Violations.				
219	§ 47-13-690	State	Statute	Cooperation of State with federal government in paying indemnity for infected cattle.				

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219	§ 47-13-810	State	Statute	Tuberculosis and paratuberculosis declared contagious and infectious; animals subject to quarantine.				
220	§ 47-13-820	State	Statute	Tuberculin and paratuberculin tests; observation.				
221	§ 47-13-830	State	Statute	Quarantine of herds in which reactors are found.				
222	§ 47-13-840	State	Statute	Branding and slaughtering of reacting animals; disinfecting quarters and equipment.				
223	§ 47-13-850	State	Statute	Liability for disposing of affected animal except for immediate slaughter.				
224	§ 47-13-860	State	Statute	Official tests.				
225	§ 47-13-870	State	Statute	Inspectors; accepting assistance from United States Government.				
226	§ 47-13-880	State	Statute	Violations.				
227	§ 47-13-1210	State	Statute	Definitions.				
228	§ 47-13-1220	State	Statute	Authority and functions of commission.				
229	§ 47-13-1230	State	Statute	Promulgation of regulations by commission; poultry advisory committee.				
230	§ 47-13-1240	State	Statute	Penalties.				
231	§ 47-13-1310	State	Statute	Definitions.				
232	§ 47-13-1315	State	Statute	State veterinarian and Livestock-Poultry Service to develop and institute programs for control of equine infectious anemia.				
233	§ 47-13-1330	State	Statute	Official tests.				
234	§ 47-13-1340	State	Statute	Reporting of tests.				
235	§ 47-13-1350	State	Statute	Unlawful for horse to enter State unless tested; rules and regulations.				
236	§ 47-13-1360	State	Statute	Quarantine of exposed horses.				
237	§ 47-13-1365	State	Statute	Disposition of animal after second confirmatory test.				
238	§ 47-13-1370	State	Statute	Proof of tests required for public assembly of horses.				
239	§ 47-13-1380	State	Statute	Preventive measures for race tracks, horse shows, rodeos, horse owners, and veterinarians.				
240	§ 47-13-1390	State	Statute	False certificates unlawful; penalties.				
241	§ 47-13-1400	State	Statute	Additional penalties for violation of article.				
242	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.				
243	§ 47-22-20	State	Statute	Definitions				
244	§ 47-22-30	State	Statute	Duties of commission and director				
245	§ 47-22-40	State	Statute	Permit required for operation of transfer center and rendering processes.				
246	§ 47-22-50	State	Statute	Permit applications; information required; permit valid until revoked, relinquished, or abandoned.				
247	§ 47-22-60	State	Statute	Location and equipment requirements for transfer centers, rendering plants, and vehicles used to transfer raw materials.				
248	§ 47-22-70	State	Statute	Inspections; hours; information required to be available				
249	§ 47-22-80	State	Statute	Violations; penalties.	Yes	Yes	Other service or product our agency must/may provide	SC Meat Poultry Inspection
250	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.				
251	§ 47-17-20	State	Statute	Definitions.				
252	§ 47-17-30	State	Statute	Antemortem and postmortem inspections; quarantine, segregation, and reinspection; condemnation of unwholesome livestock and meat.				
253	§ 47-17-40	State	Statute	Sanitary conditions and practices required in slaughtering and processing establishments.				
254	§ 47-17-50	State	Statute	Official inspection marks and other information on or accompanying containers and carcasses.				
255	§ 47-17-60	State	Statute	Prohibited acts.				

Legal Standards Template

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256	§ 47-17-70	State	Statute	Slaughtering or processing except in compliance with article prohibited.								
257	§ 47-17-80	State	Statute	Records.								
258	§ 47-17-90	State	Statute	Exemptions from provisions requiring inspection by Director.								
259	§ 47-17-100	State	Statute	Violations.								
260	§ 47-17-120	State	Statute	Permit required; fee; application; refusal, revocation, or suspension.								
261	§ 47-17-130	State	Statute	Rules and regulations.								
262	§ 47-17-140	State	Statute	Article inapplicable to transactions regulated under Federal Meat Inspection Act; cooperation with Federal, state, and local agencies; inadequate personnel.								
263	§ 47-17-150	State	Statute	Cost of inspection.								
264	§ 47-17-310	State	Statute	Unlawful importation of foreign meat containing communicable diseases.								
265	§ 47-17-320	State	Statute	Enforcement; confiscation and destruction of meat.								
266	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	Other service or product our agency must/may provide	SC Meat Poultry Inspection
267	§ 47-19-20	State	Statute	Definitions								
268	§ 47-19-25	State	Statute	Voluntary inspection programs for certain birds by the Livestock Poultry Health Commission.								
269	§ 47-19-30	State	Statute	Designation of state agency for cooperating with Secretary of Agriculture under Federal Poultry Products Inspection Act.								
270	§ 47-19-35	State	Statute	Permits for slaughtering and packaging poultry; fees.								
271	§ 47-19-40	State	Statute	Inspection of live poultry, carcasses and poultry products; quarantine, segregation and reinspection; condemnation and destruction or reprocessing of adulterated carcasses.								
272	§ 47-19-50	State	Statute	Sanitary conditions and practices required in slaughtering and processing establishments.								
273	§ 47-19-60	State	Statute	Information required on containers and carcasses; styles and sizes of type; definitions and standards; false or misleading marking or labeling.								
274	§ 47-19-70	State	Statute	Prohibited acts.								
275	§ 47-19-80	State	Statute	Processing except in compliance with chapter is prohibited.								
276	§ 47-19-90	State	Statute	Poultry and poultry products not intended for use as human food need not be inspected.								
277	§ 47-19-100	State	Statute	Persons required to keep records.								
278	§ 47-19-110	State	Statute	Registration with director required of persons engaged in poultry related businesses.								
279	§ 47-19-120	State	Statute	Violations; interference with person performing official duties under chapter.								
280	§ 47-19-130	State	Statute	Notice of violations and opportunity to be heard.								
281	§ 47-19-140	State	Statute	Exemptions.								
282	§ 47-19-150	State	Statute	Limiting entry of poultry products into inspected establishments.								
283	§ 47-19-165	State	Statute	Application of chapter to pigeons.								
284	§ 47-19-170	State	Statute	Rules and regulations.								
285	§ 47-19-180	State	Statute	Costs of inspection.								
286	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	Other service or product our agency must/may provide	State Animal Health Authority				
287	§ 47-6-20	State	Statute	Definitions.								
288	§ 47-6-30	State	Statute	Authority of state veterinarian and Livestock-Poultry Health Service of Clemson University.								
289	§ 47-6-40	State	Statute	Notification; investigation; public notice; elimination of disease from herd.								
290	§ 47-6-50	State	Statute	Imported swine.								
291	§ 47-6-60	State	Statute	Violation of chapter as misdemeanor; penalties.								
292	46-7-10	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	Other service or product our agency must/may provide	State Animal Health Authority				

Legal Standards Template

Item #	Law Number	Jurisdiction	Type of Law	Statutory Requirement and/or Authority Granted	Does this law specify who your agency must or may serve? (Y/N)	Does the law specify a product or service your agency must or may provide?	<i>If yes, what type of service or product?</i>	<i>If other service or product, please specify what service or product.</i>
293	§ 46-7-100	State	Statute	Reporting animal diseases caused by chemical or other terrorism				
294	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	Other service or product our agency must/may provide	Enforcement of State Regulations
295	§ 46-7-50	State	Statute	Assent to act of Congress for appropriations for experiment stations (1962)				
296	§ 46-7-80	State	Statute	Assent to act of Congress providing for research and cooperative extension work (1962)				
297	§ 46-7-90	State	Statute	Receipt and use of grants under act providing for research and cooperative extension work (1962)				
298	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	Other service or product our agency must/may provide	Education to citizens of South Carolina
299	§ 46-7-70	State	Statute	Receipt and use of grants under act to further development of extension work.				
302	§ 46-7-110	State	Statute	Animal waste management training and certification programs.	Yes	Yes	Other service or product our agency must/may provide	Education of owners and operators of animal facility

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Customer Template

Service/Product Provided to Customers	Customer Segments	<u>Specify only for the following Segments: (1) Industry; Name; (2) Professional Organization; Name; (3) Public; Demographics.</u>	Divisions or Major Programs	Description
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.	General Public	All animal agriculture (Poultry, Beef, Dairy, Swine, Equine, Sheep, Goats, Meat slaughter and processing, Zoos, etc.) & veterinarians	Livestock-Poultry Health Programs	Ensures the continued health of the livestock and poultry industry, ensure safe, wholesome, properly labeled meat and poultry products.
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	Clemson Experiment Station	Conducts research to identify critical issues and find solutions through research that support South Carolina's agriculture and forest industries.
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 --- All gender, all Economic Income levels, all education levels; Adult audience --- commercial and small farmers, landowners, professionals, all gender, all income levels, all education levels	Cooperative Extension Service	Improve the economy, environment, and well-being of South Carolinians through the delivery of unbiased research-based information and education.
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 Pesticide Regulation	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 - Seed 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	Dept. of Plant Industry - Fertilizer Program	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	Agricultural Service Lab	Regulatory and Public Service Agency with Clemson University

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Partner Template

Name of Partner Entity	Type of Partner Entity	Description of Partnership	Associated Goal(s)
SC County Governments	Local Government	Quarterly meetings allows partners to communicate planned activities and share opportunities for partnering.	2
SC Elementary, Middle and High Schools	K-12 Education Institute	To provide educational programming (i.e. school enrichment, field trips, after school programs)	2
SC Department of Natural Resources	State Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
SC Department of Education	K-12 Education Institute	Co-hosted a hands-on workshop for the School Gardening program	2
Natural Resources Conservation Service	Federal Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
Soil and Water Conservation Service	Federal Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
SC Department of Agriculture	State Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
SC Peanut Growers	Non-Governmental Organization	Partnered to provide technical assistance with workshops, programs, and field days.	2
Piedmont Technical College	Higher Education Institute	Offer adult education and professional development for entrepreneurs	2
Gullah Farmers Cooperative	Non-Governmental Organization	Partnership to apply for Socially Disadvantaged Groups Grant through USDA	2
Allendale Correctional Institute	Local Government	Provide information on entrepreneurship, business planning and agribusiness	2
Daufuskie Island Conservancy	Non-Governmental Organization	Present information to local residents on backyard design for wildlife	2
South Carolina Forestry Commission	State Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
Greenville Health System	Private Business Organization	Partnered to help provide health, wellness, nutrition and food information	2
AnMed Health	Private Business Organization	Partnered to help provide health, wellness, nutrition and food information	2
Tractor Supply	Private Business Organization	Partnered to provide technical assistance with workshops, programs, and field days.	2
Briggs & Stratton Corporation	Private Business Organization	Supplied training materials and engines for youth engagement programs	2
Quality Deer Management Association	Non-Governmental Organization	Partnered to deliver online content concerning the management of white-tailed deer and assisted with food plot projects	2
SC State Fair	Private Business Organization	Partnered to deliver information on scrapies in sheep, 4-H programs, tractor driving CDE and gardening	2, 3
ArborGen	Private Business Organization	Partnered to provide technical assistance with workshops, programs, and field days.	2
Department of Health and Environmental Control	State Government	Partnered to deliver information to staff on various aspects of natural resources management	2
South Carolina Master Gardeners	Professional Association	Work with 4-H Gardening Project and also with county gardening programs in the schools	2

Name of Partner Entity	Type of Partner Entity	Description of Partnership	Associated Goal(s)
USDA	Federal Government	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
South Carolina State University	Higher Education Institute	Funding and program partners on the SET IV Program which is designed to develop regional agriculture, food system and rural economic development initiatives	2
North Carolina State University	Higher Education Institute	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
Catawba Farm and Food Coalition	Non-Governmental Organization	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
Pee Dee Land Trust	Non-Governmental Organization	Partnered to provide technical assistance with workshops, programs, and field days.	2
Center for Heirs Property Preservation	Non-Governmental Organization	Partnered to provide technical assistance with workshops, programs, and field days.	2
SC Department of Agriculture	State Government	Partnered 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, 4
SC State Parks	State Government	Partnered to provide technical assistance with workshops, programs, and field days.	2
Arbor One Farm Credit	Professional Association	Partnered to provide technical assistance with workshops, programs, and field days.	2
ArborGen		Partnered to provide technical assistance with workshops, programs, and field days.	
AgSouth	Professional Association	Partner to provide educational programming	2
USDA APHIS VS	Federal Government	Livestock & Poultry Animal Health disease prevention, surveillance, control and eradication	3
USDA FSIS	Federal Government	Matching funds and oversight of state meat inspection	3
SC DHEC	State Government	Collaboration on zoonotic disease reporting and testing	3
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
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.	3, 4
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
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

			Partner Template
Name of Partner Entity	Type of Partner Entity	Description of Partnership	Associated Goal(s)
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
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
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
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
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
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
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
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
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
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
US Customs and Border Patrol	Federal Government	Contact DPR agents when shipments of mis-branded, illegal or otherwise questionable pesticides are processed through Customs.	3, 4

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Report and External Review Template

Item	Is this a Report, Review, or both?	Report or Review Name	Name of Entity Requesting the Report or Conducting Review	Type of Entity	Reporting Frequency	Current Fiscal Year: Submission Date or Review Timeline (MM/DD/YYYY)	Summary of Information Requested in the Report or Reviewed	Method to Access the Report or Information from the Review
1	External Review and Report	Comprehensive Review and Determination Report - Fiscal Year 2019 - South Carolina	Federal-State Audit Branch, Food Safety and Inspection Service, United States Department of Agriculture	Federal	Annually	December 2019 Report	Comprehensive: 1- Statutory Authority and Food Safety Regulations; 2- Inspection; 3- Product Sampling; 4- Staffing, Training, and Supervision; 5- Humane Handling; 6- Compliance; 7- Laboratory Methods and Quality Assurance Program; 8- Civil Rights; 9- Financial Accountability	https://www.fsis.usda.gov/wps/portal/fsis/topics/inspection/state-inspection-programs/state-inspection-and-cooperative-agreements/reviews-of-state-programs
2	External Review and Report	ISO 17025:2005 Certification of Accreditation (Certificate No: L17-518)	Perry Johnson Laboratory Accreditation, Inc.	Outside Organization	Other	10/6/2019-12/31/2021	Biological and Food Microbiological Testing	http://www.pilabs.com/search-accredited-labs
3	External Review and Report	Final and progress reports on all NIFA related projects	NIFA	Federal	Annually	March 1, 2019	Progress of research on 5-year federal projects	https://nifa.usda.gov/tool/reeport
4	External Review and Report	5 year Plan of Work	NIFA	Federal	Other	April 1, 2019	5 year Plan of Work for Extension and Research	https://nifa.usda.gov/tool/pow
5	External Review and Report	Annual Report of Accomplishments	NIFA	Federal	Annually	April 1, 2019	Annual report of accomplishments for research and extension	https://nifa.usda.gov/resource/reports