

Louisiana Medical Marijuana Program



Commissioner Mike Strain, DVM

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Letter from the Director

The Louisiana Department of Agriculture and Forestry Medical Marijuana Program is pleased to submit its 2nd Annual Comprehensive Report to the Legislature in accordance with LRS 40:1046 (H)(6) and LRS 40:1047.

The Louisiana Department of Agriculture and Forestry is responsible for developing rules and regulations including but not limited to the areas of extraction, processing, production of recommended therapeutic marijuana, and the facility producing medical marijuana. The rules and regulations created by the department covers the procedures for licensing and permitting, qualifications and eligibility, background checks, standards for suitability determination, fees, penalties for violations, compliance, inspections, reporting, and record keeping, etc.

The statute named two agricultural centers, Louisiana State University Agricultural Center and Southern University Agricultural Center, to have the right of first refusal to be licensed as production facilities separately or jointly for the therapeutic marijuana program in Louisiana. The two agricultural universities, Louisiana State University and Southern University, elected to subcontract services for the production of medical marijuana as the only legal growers in the state of Louisiana. Louisiana State University AgCenter selected GB Sciences of Louisiana, LLC d/b/a Wellcana Group, LLC. Southern University Ag Center selected Advanced Biomedics, LLC d/b/a Ilera Holistic Healthcare.

In June 2016, Louisiana State University AgCenter issued a written notice to the Commissioner of Agriculture and Forestry of its intent to be licensed as a production facility. Louisiana State University AgCenter selected GB Sciences of Louisiana, LLC (hereinafter referred to as “GBSL”) in June 2017 as the subcontractor. GBSL completed suitability in March 2019 and distributed the first product to the medical marijuana pharmacies in August 2019. On December 6, 2019, GBSL notified the department of an ownership change and identified that they will be doing business as Wellcana Group, LLC. Currently, the department has not received the legal structure of Wellcana Group, LLC to continue the suitability process with the assistance of the Louisiana State Police.

In August 2016, Southern University Ag Center released a written statement to the department confirming their intent to be licensed as a production facility. Southern University AgCenter selected Advanced Biomedics, LLC in May 2018. Southern University Ag Center notified the department November 2018 of the change of ownership that Advanced Biomedics, LLC will be doing business as Ilera Holistic Healthcare. Ilera Holistic Healthcare completed suitability in May 2019 and was granted to operate in full production in July 2019. Ilera is scheduled to have products to the medical marijuana pharmacies by Spring 2020.

The licensees, Louisiana State University AgCenter and Southern University Ag Center, submitted annual reports to the department listing their production costs and pertinent information related to the requirements outlined in LRS 40:1046 (H)(6) for the year of 2019. It was expressed to the department that details provided within the annual report must avoid disclosing proprietary, confidential information in a public record. Please refer to Exhibit A for Louisiana State University AgCenter annual report. Please refer to Exhibit B for Southern University Ag Center annual report. The Louisiana Department of Agriculture and Forestry has not verified any data utilized in the annual reports as of the date of posting. If there are any discrepancies within the report, a supplemental report will be submitted after the department’s audit.

Tabitha Irvin, Esq.

Executive Counsel and Medical Marijuana Director

Louisiana Department of Agriculture and Forestry

The Louisiana Department of Agriculture and Forestry was created in accordance with the provisions of Article IV, Section 10 of the Constitution of Louisiana. The Commissioner of Agriculture and Forestry heads the department and exercises all functions of the state relating to the promotion, protection, and advancement of agriculture and forestry, except research and educational functions expressly allocated by the constitution or by law to other state agencies.

Mission Statement

The Department's mission is to promote, protect and advance agriculture and forestry, and soil and water resources. Our vision is to be a unified and coordinated team that effectively responds to the challenges facing the agricultural and forestry industries, and which pursues each and every opportunity that might provide a benefit to the state and its citizens.

Our Values

Public First

Each of us has the high honor and distinct privilege of serving the citizens of our state. With fairness and honesty at the forefront, we will be responsive, proactive and flexible in our dealings with others.

Pursuit of Excellence

We are committed to getting the job done right the first time in an effective and efficient manner as possible and in accordance with our overall mission. We will aspire at all times to do our jobs better in every dimension.

Positive Response to Change

Recognizing that our workplace, the markets and technology are evolving, we acknowledge that change is inevitable. We will meet the developing demands and expectations of the public with creative thinking, innovation and more efficient processes.

Respect for Individual

We will create a respectful and meaningful workplace, characterized by honest, direct and relevant communication. Working together as a team, we will honor diversity, individuality, and personal and professional differences.

Community Mindedness

We realize that our work impacts the community in which we reside and, many times, beyond such. Both as individuals and team members, we will strive to make our communities better places to live, work and learn.

Departmental Office Missions

The following departmental offices, as described by mission statements, are responsible for carrying out the functions of the department and may have a role with existing, expanding or new industry:

- The mission of the Office of Agricultural and Environmental Sciences is to ensure animal feeds, pet foods, fertilizers, agricultural liming materials and pesticides meet all requirements of law; to monitor, prevent, control and eradicate plant pests and diseases that threaten Louisiana's agriculture, environment and economy; to facilitate agricultural exports through certification of products; to oversee the qualifications and practices of persons engaged in the green industry; to protect human health and the environment by ensuring the proper labeling, distribution, storage, use, application and disposal of pesticides, and through enforcement of all pesticide laws; to ensure that seed sold for planting meets label guarantees and quality standards; and to ensure a safe, abundant supply of food and fiber.
- The mission of the Office of Agro-Consumer Services is to perform functions relating to the regulation of weights and measures, the licensing of weighmasters, scale companies and technicians; the licensing and inspection of bonded farm warehouses and milk processing plants, and the licensing of grain dealers, warehouses and cotton buyers.
- The mission of the Office of Animal Health Services is to protect the public supply of meat and meat products and fish and fish products, to control and eradicate infectious diseases of animals and poultry, and to control livestock theft and nuisance animals.
- The mission of the Office of Forestry is to protect, conserve and replenish the forest natural resources of the state.
- The mission of the Office of Marketing and Agro-Economic Development is to promote the development and growth of markets for Louisiana agricultural and forestry products and to develop the channels of distribution through which these products are sold.
- The mission of the Office of Soil and Water is to assist in the organization and administration of the Soil and Water Conservation Districts in protecting the land, water and related resources of the state. It is also responsible for implementing the agriculture nonpoint source pollution component of Section 319 and Section 404 (wetlands protection) of the Federal Clean Water Act, as well as other federal and state mandated soil and water resources management programs.
- The mission of the Office of Management and Finance is to provide support services for the other offices of the department. These services provided include: fiscal, legal, procurement, property control, human resources, fleet and facility management, auditing, information technology, print shop and mail room, document imaging and district office clerical support.

About the Medical Marijuana Program

Act 261, R.S.40:1046 was enacted in 2015 by legislation establishing the Medical Marijuana Program. The responsibility for the program was divided between three state agencies: Louisiana Board of Medical Examiners, Louisiana Board of Pharmacy, and Louisiana Department of Agriculture and Forestry (LDAF). In 2016, the statute was amended and supplemented by Act 96, which clarifies prescribing vs. recommending medical marijuana to patients and added qualifying medical conditions. R.S. 40:1047 was also established in 2016. In 2018, the qualifying medical conditions were expanded by Act 708 and Act 496. In 2019, Act 207 authorized the Board of Medical Examiners to create and maintain an electronic system for the collection and analysis of clinical information associated with the use of medical marijuana by patients; Act 284, allowed for medical marijuana to be administered by metered-dose inhaler; Act 331 changed how the seven percent of the gross sales of therapeutic marijuana is collected by the Department of Revenue for deposit into the Community and Family Support System Fund with an amount to be allocated to the department, pursuant to legislative appropriation, for regulatory, administrative, investigative, enforcement, legal, and other such expenses to carry out the program.

The act authorized the Louisiana Department of Agriculture and Forestry to develop rules and regulations regarding the extraction, processing, and production of recommended therapeutic marijuana and the facility producing therapeutic marijuana. The department's mission is to ensure that patients with debilitating medical conditions are receiving a safe product. The debilitating medical conditions as defined in LRS 40:1046 are cancer, positive status for human immunodeficiency virus acquired immune deficiency syndrome, cachexia or wasting syndrome, seizure disorders, epilepsy, spasticity, Crohn's disease, muscular dystrophy, or multiple sclerosis, glaucoma, Parkinson's disease, severe muscle spasms, intractable pain, post-traumatic disorder, and symptoms associated with autism spectrum disorder.

Throughout the year, the department hosted stakeholder meetings at the Louisiana Department of Agriculture and Forestry Veterans Memorial Auditorium providing insight and transparency within the Medical Marijuana Program. The stakeholder meetings detail timelines, events, and public notices from the two agricultural university centers and their subcontractors, Louisiana Department of Agriculture and Forestry, Louisiana Board of Pharmacy, Louisiana Board of Medical Examiners, other state agencies, etc. The Medical Marijuana Program created an outlet for the public to ask questions and obtain information from the stakeholders directly. Regular attendees at the stakeholder meetings included representatives from Louisiana Board of Medical Examiners, Louisiana Board of Pharmacy, LSU and SU Ag Centers and their subcontractors, governor's office, State Senators, State Representatives, Louisiana Inspector General, Louisiana Department of Health, citizens of Louisiana, news media, doctors, pharmacists, etc.

Program Goals

The goals of the program are: 1) to ensure thorough inspections are conducted, random sampling and lab testing confirm the product is safe from heavy metals, pesticides, microbiological contaminants and residual solvents; 2) to oversee the licensees compliance; 3) to ensure licensing and the production process of medical marijuana maintain the primary focus for the safety of the citizens of Louisiana.

About our LDAF State Laboratory

The Division of Agricultural Chemistry, within the Louisiana Department of Agriculture and Forestry, administers the feed, fertilizer and agricultural lime regulatory programs for the state of Louisiana. The Agricultural Chemistry Laboratory (Ag Chemistry Lab) performs analytical testing on animal feeds, pet foods, plant food and agriculture liming materials for the Louisiana Department of Agriculture and Forestry. Analyses are performed on plant and animal tissues, soil, water, feed, fertilizers, pesticides agricultural chemicals, agricultural commodities, and marijuana.

As the official regulatory laboratory for Louisiana Department of Agriculture and Forestry, the Ag Chemistry Lab plays an important role in the Medical Marijuana Program by testing all medical marijuana initial concentrates for pesticides, residual solvents, mycotoxins, and heavy metals. Once the product is manufactured into its final form, the department randomly selects and tests for potency, microbial, and homogeneity. When the production batch passes and is deemed free of contaminants, the product can be distributed to the nine medical marijuana pharmacies.

This report covers the total number of concentrate and product samples tested by the laboratory for the calendar year of 2019 including the initial medical marijuana concentrates received at the end of 2018 that was reported in January 2019. The laboratory received a total of 153 individual samples. This represented 466 analyses and covered 2085 analytes. There were 17 rosin (concentrate) samples and 121 final product samples that covered 34 lots of tinctures in various formulations.

As a courtesy and no cost to the grower/manufacturer, the Ag Chemistry Lab analyzed 15 informational samples. These tests included supplies used to dilute and deliver final products to ensure products were free of contamination before use, as well as the external stock source of CBD to verify label guarantee. Additionally, 11 tincture formulations were tested to verify potency before bottling to prevent the producer/grower of re-labeling or re-bottling products. All were at the expense of the department.

On August 1, 2019, the first round of medical marijuana was cleared for release. Samples were reported within 7 – 10 days of receipt after the initial period in which the rosin/concentrate method procedures were developed and validated for five analyses covering 86 targeted analytes, subsequent rosin/concentrate. The final product samples (tinctures) were reported within 4-5 calendar days. The time referenced is the minimum time required to perform the microbiological screen for yeast and molds.

The laboratory has been perfecting the allotted testing time for medical marijuana concentrates and products and strives to maintain efficiency.

Louisiana Medical Marijuana Tracking System

The Louisiana Medical Marijuana Tracking System (hereinafter referred to as “LMMTS”) is a vital tool to the Medical Marijuana Program used to assist in preventing and detecting inversion, diversion, theft, and loss. It functions as a primary record for tracking all inventory activities, plant material, waste, plant additives, transportation manifests, laboratory test results, and product from seed to sale. The system is to be utilized by the licensees and their subcontractors, medical marijuana pharmacies, testing laboratories, independent laboratories, Louisiana State Police (LSP), Louisiana Board of Pharmacy (LBOP), and the Louisiana Department of Agriculture & Forestry (LDAF).

As the official regulatory agency for the growers and manufacturers of medical marijuana, the LMMTS plays an essential part that assists LDAF in making sure the licensees comply. Metrc, LLC is the state regulatory cannabis track and trace company that is responsible for reporting data in real-time, implementing the technical and operational components of the electronic system, tracking medical marijuana product transactions to the pharmacy, and evaluating risk assessments that are detrimental to public health. LDAF’s role with Metrc, LLC is to oversee the program management of the system, compliance, and enforcement of the statutory and regulatory guidelines for the Medical Marijuana Program.

Without an effective inventory management system and enforcement authority, it can be challenging to ensure safety to the public and compliance with licensees. The Medical Marijuana Program relies heavily on the LMMTS due to the limited manpower to effectively and efficiently perform investigations and carry out enforcement activities needed on a daily basis. To ensure all plants and products are tagged properly, waste documented and disposed of accordingly, plant additives notated correctly, sanitation procedures performed, testing product samples and reporting results, could be difficult or would take days to perform during production facility audits without the technologies associated with the system.

The LDAF’s goal is to eliminate any potential risks in product safety and ensure transparency in the state of Louisiana Medical Marijuana Program. Even though tracking medical marijuana from seed to sale is the primary focus, the department will continue to establish, investigate, and collaborate with other state agencies to create a safe product for the citizens of Louisiana.



2019 Medical Marijuana Program

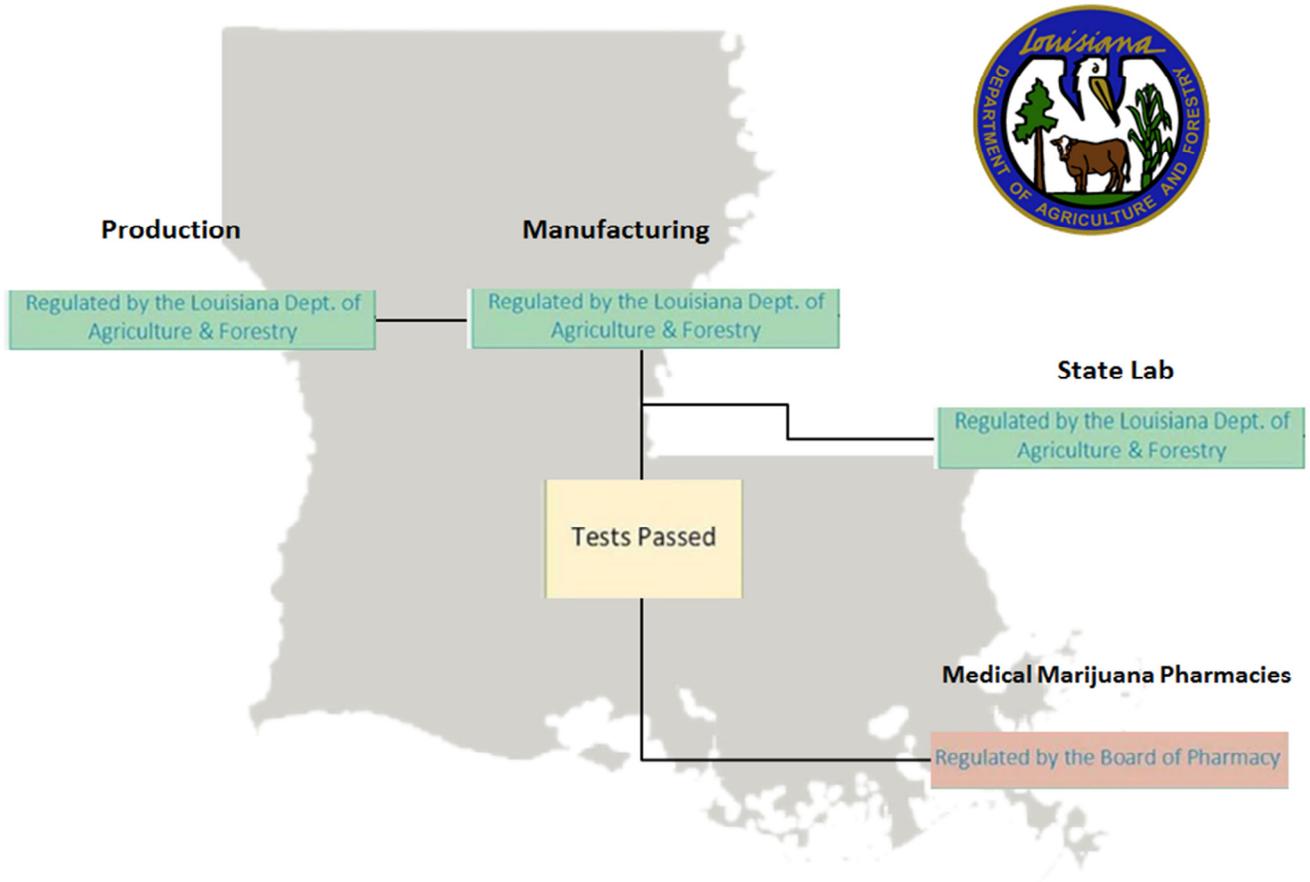


Employee Permit and License Payment Chart

Permits/Licenses	LSU	SU	TOTAL
Number of employee permit(s) issued	35	24	59
Payments received from employee permits	\$350	\$240	\$590.00
Number of employee permits suspended due to termination/resignation	7	1	8
Number of production license(s) issued	1	1	2
Payments received from license fee	\$100,000	\$100,000	\$200,000.00
Number of permits/licenses revoked	0	0	0

Please note: The data referenced in the chart is pertaining to the payments of employee permits and license fees received by Louisiana Department of Agriculture and Forestry for the Medical Marijuana Program that was collected in the calendar year of 2019.

Louisiana Medical Marijuana Product Supply Chain Regulatory Structure



This chart emphasizes the medical marijuana product supply chain. The Louisiana Department of Agriculture and Forestry regulates the growing of medical marijuana plants. The plants are then extracted, manufactured, and tested. When the final production batch passes all tests and is deemed free of contaminants, the product will be distributed to the nine medical marijuana pharmacies regulated by the Louisiana Board of Pharmacy.

Louisiana Department of Agriculture & Forestry
 Medical Marijuana Program
2019 CALENDAR YEAR

Expenditure Budget	
Salaries & Related Benefits	597,663.27
Travel	10,071.18
Legal	2,072.00
Operating Expenses	13,017.70
Lab Fee	7,915.34
Acquisitions—Software	60,108.36
Interagency Transfers	4,445.50
TOTAL EXPENDITURES	\$695,293.35

The Expenditure Budget for the Medical Marijuana Program for the 2019 calendar year. In 2015, the Louisiana Medical Marijuana Program operated with no state funds. The department proceeded into the fiscal year of 2018-2019 with the operating budget of \$1,374,933 with hopes our state will address the underlying issues and provide funding. However, the Medical Marijuana Program borrowed \$603,643.00 from Agricultural Environmental Sciences Division within the department to purchase laboratory equipment for medical marijuana testing. Fiscal year 2019-2020, the department received the means of financing substitution reducing fees and self-generated revenues and increasing State General Fund (Direct) for regulating medical marijuana in the amount of \$523,700. This budget reflects one licensee in full operation.



Medical Marijuana Program Staff

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**LOUISIANA DEPARTMENT OF AGRICULTURE AND FORESTRY
ANNUAL REPORT TO LEGISLATURE
2019**

In 2015, the Louisiana Legislature passed the Alison Neustrom Act, which paved the way for the cultivation, extraction, processing, production, research and use of therapeutic cannabis in Louisiana. As one of two competing licensees, the LSU AgCenter operates its therapeutic cannabis program under the authority of Louisiana Revised Statute 40:1046. Following a competitive public bid process, the LSU AgCenter selected GB Sciences Louisiana, LLC, d/b/a Wellcana, as its public-private partner to produce therapeutic cannabis products for patients with authorized debilitating medical conditions. No taxpayer dollars will be spent on this project. As a public institution of higher education, the LSU AgCenter's public-private partnership with Wellcana represents a first in the therapeutic cannabis industry.

Wellcana is a fully integrated Louisiana biopharmaceutical company. After undergoing an extensive suitability and background investigation by the Louisiana Department of Agriculture and Forestry and Louisiana State Police, Wellcana commenced full-scale operations in March 2019. In August 2019, Wellcana released to the nine pharmacies licensed by the Louisiana Board of Pharmacy their initial therapeutic cannabis products, which included three potency formulations of sublingual tinctures in 30-milliliter bottles. In addition to tinctures, Wellcana anticipates introducing during 2020 additional delivery methods of varying potencies including, but not limited to, oral thin films (dissolving sublingual strips), topical applications (creams and lotions), edible gelatin chews, and metered dose inhalers.

Wellcana utilizes tissue culture propagation instead of seeds to ensure that each cannabis variety remains free from viruses and disease, as well as to prevent genetic drift that may degrade the quality and consistency of the desired chemical profile of the cannabis varieties. Within indoor cultivation spaces, the experienced horticulture professionals wear Personal Protective Equipment and use Integrated Pest Management protocols to prevent pests and significantly reduce the need for pesticides providing a more effective, environmentally sensitive approach to horticulture. To further ensure quality and safety, the professionals follow Good Agricultural Practices and Good Handling Practices to verify that the plants are produced, handled, and stored

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as safely as possible to minimize risks of microbial safety hazards. Wellcana monitors and the LDAF regulates very carefully the quality of the cannabis extractions, raw materials and biopharmaceutical products formulated and produced. Within laboratory clean room conditions, the manufacturing laboratory personnel formulate final products adhering to the Current Good Manufacturing Practices to ensure safe, consistent and effective biopharmaceuticals. Adherence to these practices assures the identity, strength, quality, and purity of the products. In addition to internal and outside third-party testing, the LDAF lab tests the initial concentrates extracted from the plants for potency, pesticide residues, residual solvents, heavy metals and mycotoxins. Upon final formulation, the LDAF completes the required testing by evaluating potency, microbials and homogeneity before any products are released to the licensed pharmacies. These testing procedures further ensure that patients receive safe, consistent and effective biopharmaceuticals.

Louisiana law limits the number of pharmacies to dispense therapeutic cannabis to ten licenses. Nine of these pharmacies have been selected by the Louisiana Board of Pharmacy through a competitive public bid process. LSU AgCenter and Wellcana set the wholesale prices and distribute the products to the nine regionally-located pharmacies. The nine pharmacies independently set the retail price of the products for sale to the patients.

According to estimates prepared by the Marijuana Policy Project and other organizations, the mature market for the Louisiana therapeutic cannabis program is forecasted to grow to approximately 100,000 – 150,000 patients. According to data collected by the Louisiana Board of Pharmacy, the Louisiana patient count for 2019 was sluggish compared to the forecasts:

	Aug 2019	Sept 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
No. of Patients	1664	1548	1732	1559	1444	4350
No. of Rxs	2014	1895	2106	1875	1761	9651

Based on data collected by the licensed pharmacies, the patient breakdown is approximately 54% male – 44% female, the average patient age is approximately 52 years old, and the racial makeup is approximately 86% Caucasian – 14% Minority. About 26% of the patients had never tried therapeutic cannabis. Anecdotally, about 15% of the patients are trying therapeutic cannabis in an attempt to wean off of opiates. Of the authorized debilitating medical conditions, the top three conditions include intractable pain, PTSD and cancer, and approximately 31% of patients are receiving therapeutic cannabis recommendations from authorized, licensed physicians for more than one debilitating medical condition. This preliminary patient data is roughly consistent with patient data from other jurisdictions.

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Now, pursuant to Louisiana Revised Statute 40:1046(H)(6), LSU AgCenter and Wellcana provide the following information:

1. The amount of gross marijuana produced by the Licensee during each calendar year:

2019: Wellcana produced approximately 273.47795 kg (dry flower) during the calendar year 2019. This gross amount represents more than a 4,000% increase in biomass production over calendar year 2018.

2. Details of all production costs including but not limited to seed, fertilizer, labor, advisory services, construction, and irrigation.

2019:	Production and Equipment Costs:	\$1,067,874
	Gross Wages and Payroll Taxes:	\$302,087
	Professional Services:	\$230,800
	Security Personnel:	\$239,898
	Security Monitoring:	\$39,397
	Licenses, Fees and Permits:	\$62,750

2018:	Construction:	\$7,787,483
	Production Costs:	\$167,625
	Labor:	\$575,261
	Legal Services:	\$60,738
	Security Services:	\$65,643

3. The details of any items or services for which the licensee subcontracted and the costs of each subcontractor directly or indirectly working for the contractor.

2019: LSU AgCenter – Licensee – contracted with Wellcana under an Agreement for Services at no cost to Licensee. Wellcana has not subcontracted for any cultivation, extraction, processing, or production services required under the Agreement for Services.

4. The amount of therapeutic chemicals produced resulting from the marijuana grown pursuant to this Section.

2019: Wellcana produced approximately 18,959 units (*i.e.*, 30 mL tincture bottles) during August – December 2019. No final formulations were produced in 2018.

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5. The amounts paid each year to the Licensee related to the Licensee's production of therapeutic marijuana pursuant to this Section.

2019: Per the Agreement for Services, Wellcana paid LSU AgCenter – Licensee – \$1,100,000.00 during the calendar year 2019. This gross amount includes a \$500,000.00 annual Research Investment and a \$600,000.00 annual Guaranteed Minimum Financial Payment.

6. The amount of therapeutic marijuana distributed to each pharmacy licensed to dispense therapeutic marijuana in this state during each calendar year.

2019: Through wholesale distribution, Wellcana sold approximately 16,524 units (i.e., 30 mL tincture bottles) to the nine pharmacies licensed by the Louisiana Board of Pharmacy during August – December 2019. No therapeutic marijuana was distributed to any licensed pharmacy during the calendar year 2018.

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- i. The amount of gross marijuana produced by the licensee during each calendar year:
 - a. A total of 3,789 marijuana plants were produced within our temporary phase I grow facility located at 13111 Plank Road in the year of 2019. These plants have not yet reached maturity, and as such no dry weight marijuana has been produced or harvested.
- ii. As of December 31, 2019, below are the estimated production/operational/administrative expenses (\$1.2 MM):

<u>Expenses</u>		
Total Payroll Expenses	\$	420,560
Total Professional Fees	\$	373,464
License Fees	\$	238,528
Cultivation Materials & Supplies	\$	76,334
Computer and Internet Expenses	\$	18,933
Total Utilities	\$	19,405
Administrative Costs	\$	40,140
Total Expenses	\$	1,187,363

- iii. The details of any items or services for which the licensee subcontracted and the costs of each subcontractor directly or indirectly working for the contractor:
 - a. Licensee contracted with Advanced Biomedics LLC to produce medical marijuana products at no cost to Licensee.
 - b. Advanced Biomedics LLC has further subcontracted for the following services:
 - i. Construction Costs: \$2.00 MM
 - ii. Legal/Communications: \$0.40 MM
 - iii. Security: \$0.10 MM
 - iv. Computer/Internet Services: \$0.02 MM
- iv. The amount of products produced resulting from the medical marijuana grown pursuant to this section:
 - a. No medical marijuana products were produced in 2019.
- v. The amounts paid each year to the licensee related to the licensee's production of medical marijuana and product:
 - a. Advanced Biomedics LLC has not received any payments related to production as finalized medical marijuana products were not sold or released in 2019.
 - b. As of December 31, 2019 Advanced Biomedics has paid the \$2,000,000 Licensee fee to Southern University, the \$150,000 donation to the Southern Ag Center, and the \$100,000 LDAF Permit Fee.

13073 Plank Road Baker, LA 70714



I L E R A
Holistic HEALTHCARE

- vi. The amount of medical marijuana and product distributed to each pharmacy licensed to dispense medical marijuana in this state during each calendar year:
 - a. No medical marijuana was distributed to any licensed pharmacy in 2019.

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CONTACT INFORMATION

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