

**REPORT OF THE NORTH  
CAROLINA AGRICULTURAL  
EXPERIMENT STATION FOR  
1879**

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**N. C. STATE BOARD OF AGRICULTURAL**

**REPORT OF THE NORTH  
CAROLINA AGRICULTURAL  
EXPERIMENT STATION FOR  
1879**



ANNUAL REPORT  
OF THE  
NORTH CAROLINA  
AGRICULTURAL  
Experiment Station,  
For 1879.

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PRINTED BY ORDER AND AT EXPENSE OF THE  
BOARD OF AGRICULTURE.

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RALEIGH, N. C.:  
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JULY, 1879.



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LABORATORY OF THE NORTH CAROLINA  
STATE EXPERIMENT STATION,  
Chapel Hill, N. C., 1879.

To His Excellency Gov. THOMAS J. JARVIS,  
*Chairman of the Board of Agriculture.*

SIR:—In obedience to a resolution of the Board of Agriculture, adopted at their meeting in April last, I beg to submit herewith a report on the work of the Experiment Station since its establishment. I sincerely hope that this report will be satisfactory to your Excellency, to the Board of Agriculture, and to the farmers of the State for whom the Department was created.

Very respectfully,

ALBERT R. LEDOUX,  
*Chemist.*

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for ensuring transparency and accountability in financial reporting.

2. The second part of the document outlines the various methods and techniques used to collect and analyze data. It highlights the need for consistent and reliable data collection processes to ensure the validity of the results.

3. The third part of the document describes the different types of data that are collected and analyzed. It includes information on both quantitative and qualitative data, as well as the various sources from which the data are obtained.

4. The fourth part of the document discusses the various statistical methods and techniques used to analyze the data. It covers topics such as hypothesis testing, regression analysis, and correlation analysis, among others.

5. The fifth part of the document discusses the various ways in which the results of the analysis can be presented and communicated. It includes information on the use of tables, graphs, and charts, as well as the importance of clear and concise communication.

6. The sixth part of the document discusses the various ways in which the results of the analysis can be used to inform decision-making. It includes information on the use of the results to identify trends, patterns, and areas for improvement, as well as the importance of using the results to inform policy and practice.

7. The seventh part of the document discusses the various ways in which the results of the analysis can be used to inform research and development. It includes information on the use of the results to identify new areas for research and development, as well as the importance of using the results to inform the design and development of new products and services.

8. The eighth part of the document discusses the various ways in which the results of the analysis can be used to inform education and training. It includes information on the use of the results to identify areas for improvement in education and training, as well as the importance of using the results to inform the design and development of new educational programs and courses.

9. The ninth part of the document discusses the various ways in which the results of the analysis can be used to inform public policy and practice. It includes information on the use of the results to identify areas for improvement in public policy and practice, as well as the importance of using the results to inform the design and development of new public policies and programs.

10. The tenth part of the document discusses the various ways in which the results of the analysis can be used to inform the general public. It includes information on the use of the results to educate the public on various issues, as well as the importance of using the results to inform the design and development of new public information campaigns and programs.



N. C. STATE BOARD OF AGRICULTURE,  
1879.

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HIS EXCELLENCY THOS. J. JARVIS, GOVERNOR, (*ex-officio*,)  
*Chairman of the Board.*

COL. THOMAS M. HOLT, (*ex-officio*,)  
*President of State Agricultural Society.*

COL. WM. M. CHEEK, (*ex-officio*,)  
*Master of State Grange, Patrons of Husbandry.*

KEMP P. BATTLE, L.L. D., (*ex-officio*,)  
*President of State University.*

PROF. W. C. KERR, (*ex-officio*,)  
*State Geologist.*

CAPT. JAMES R. THIGPEN, of Edgecombe.  
MAJ. JONATHAN EVANS, of Cumberland.

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EXECUTIVE COMMITTEE FOR 1879.

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Gov. THOMAS J. JARVIS,  
COL. THOMAS M. HOLT,  
HON. KEMP P. BATTLE.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in the context of public administration and government operations. This section also highlights the role of technology in streamlining record management processes and reducing the risk of data loss or corruption.

2. The second part of the document focuses on the implementation of robust internal controls and risk management frameworks. It outlines the need for regular audits and assessments to identify potential vulnerabilities and ensure compliance with relevant laws and regulations. This section also discusses the importance of fostering a culture of integrity and ethical behavior among all staff members, as well as the role of leadership in setting the tone for organizational values.

3. The third part of the document addresses the challenges of data security and privacy protection in the digital age. It emphasizes the need for strong cybersecurity measures, including encryption, access controls, and regular security updates, to safeguard sensitive information from unauthorized access and cyber threats. This section also discusses the importance of data backup and recovery strategies to ensure business continuity in the event of a data breach or system outage.

4. The fourth part of the document discusses the importance of effective communication and stakeholder engagement. It emphasizes the need for clear, concise, and timely communication of information to all relevant parties, including employees, customers, and the public. This section also discusses the role of public relations and media management in building a positive organizational reputation and addressing any concerns or issues that may arise.

5. The fifth and final part of the document provides a summary of the key findings and recommendations. It reiterates the importance of a holistic approach to organizational management, one that integrates financial, operational, and ethical considerations. The document concludes by expressing confidence in the organization's ability to continue to grow and thrive while maintaining the highest standards of integrity and accountability.

**OFFICERS**  
OF THE  
**STATE EXPERIMENT STATION**  
FOR 1879.

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**DIRECTOR,**

**ALBERT R. LEDOUX, A. M., Ph. D.,**

Graduate of the University of Göttingen, Member of the German Chemical Society  
of Berlin, of the American Chemical Society, of the American  
Association for the Advancement of Science, of  
the New York Academy of Sciences,  
of the North Carolina State  
Board of Health,

AND

Chemist to the North Carolina Department of Agriculture, to the North Carolina  
Geological Survey, to the North Carolina State Board of Health.

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