

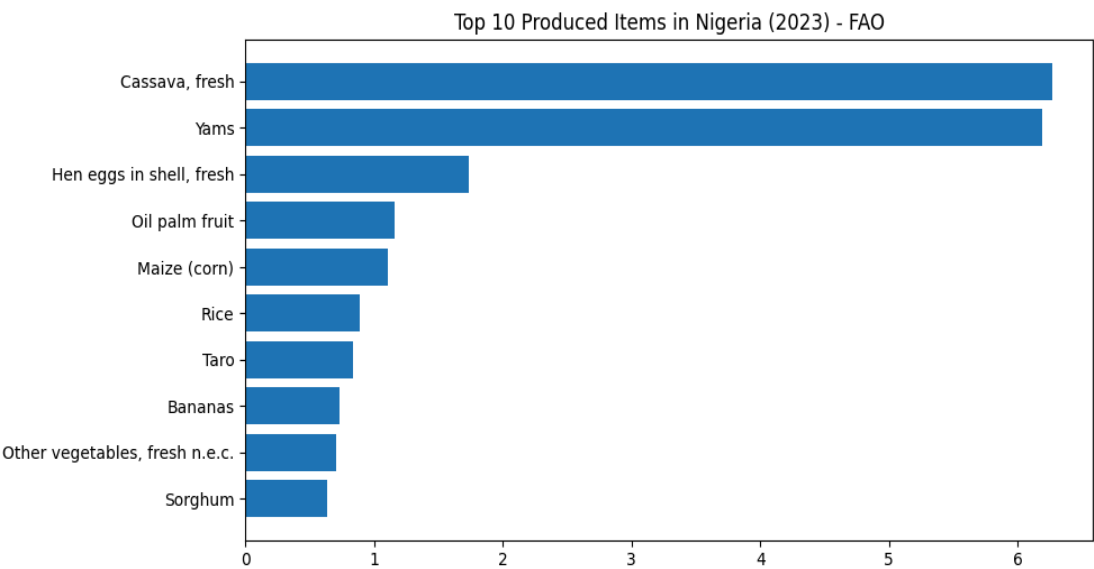
# Unveiling Nigeria's Agricultural Landscape: A Data-Driven Narrative

This report presents a comprehensive overview of Nigeria's food outlook, drawing insights from the Food and Agriculture Organization dataset on Livestock and Crop Production from 1961 to 2023. By analyzing production trends, key commodities, and yield data, we aim to paint a clear picture of the nation's agricultural strengths and areas for potential growth.

## The Pillars of Nigerian Agriculture: Top Commodities in 2023

Examining Nigeria's agricultural output in 2023 reveals the bedrock of the country's food production. The data clearly show the prominence of certain staple crops, which are essential for feeding the nation.

As visualized below, Cassava and Yams stand out with significantly higher production volumes compared to other crops, underscoring their critical role in Nigeria's food security.

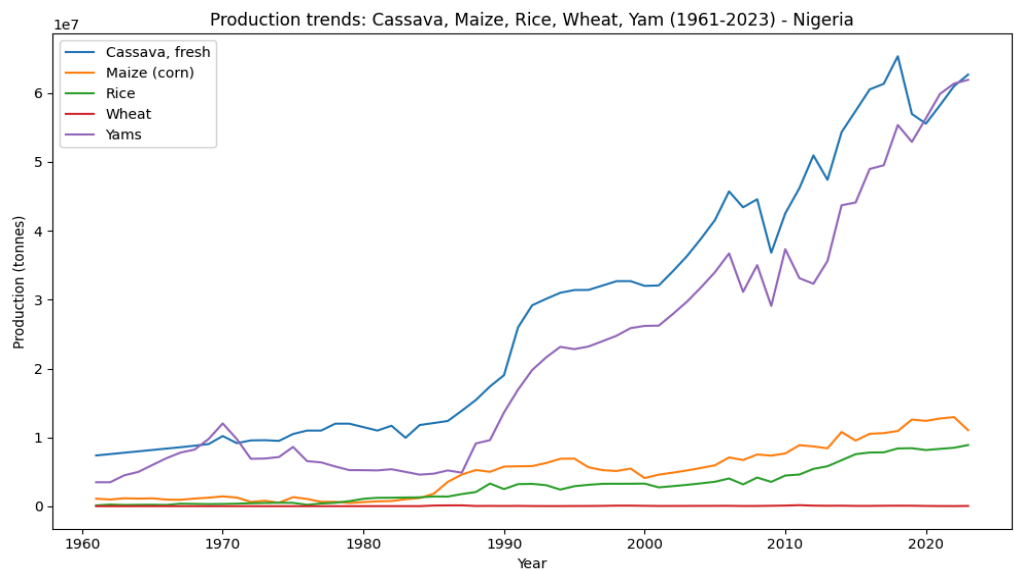


## Tracing the Trajectory: Long-Term Production Trends (1961-2023)

Understanding the historical production trends provides context for the current agricultural landscape. We analyzed the production of key crops: Cassava, Maize, Rice, Wheat, and Yams over a span of more than six decades.

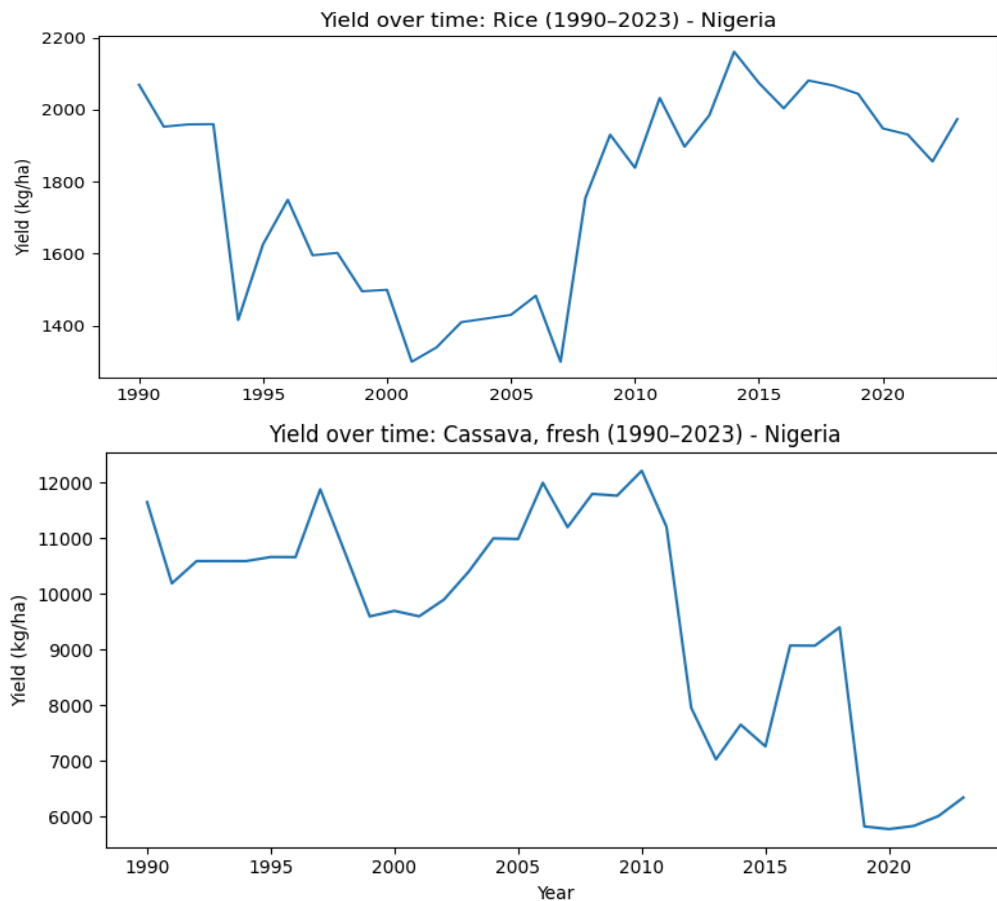
The trends, as depicted in the following plot, highlight a remarkable increase in the production of Cassava and Yams, demonstrating consistent growth over the years. Maize and Rice production

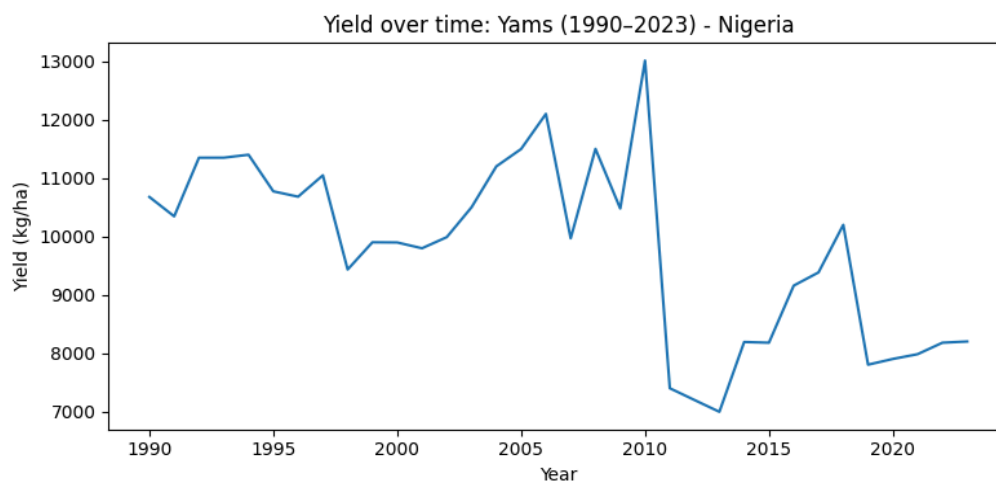
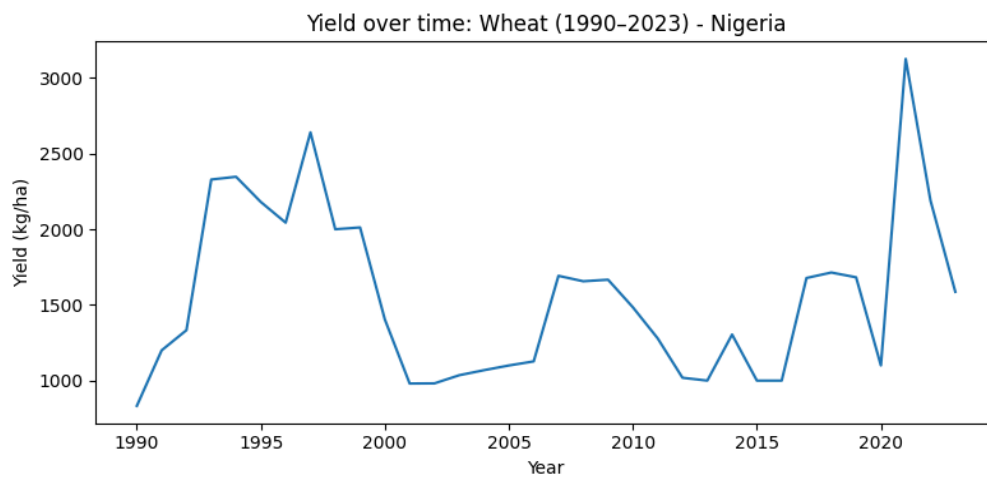
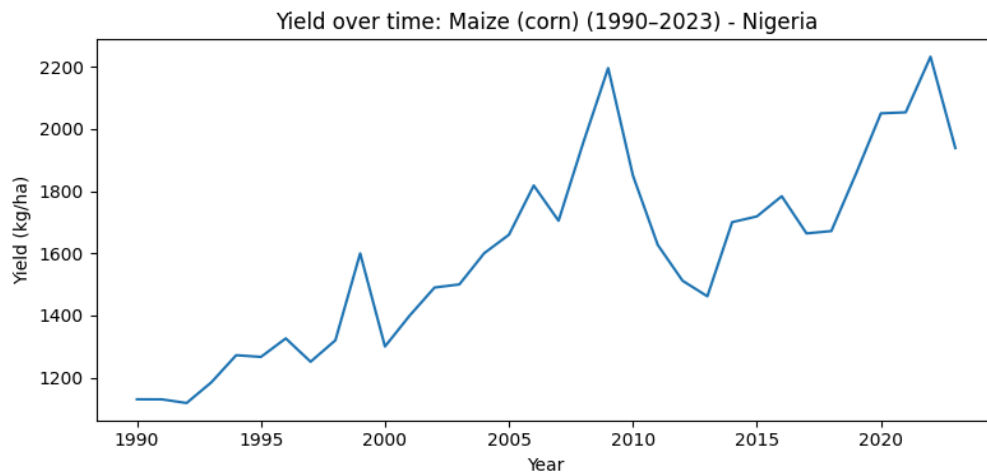
have also seen growth, albeit at a more gradual pace, while Wheat production has remained relatively low.



Maximizing the Land: A Look at Crop Yields (1990-2023)

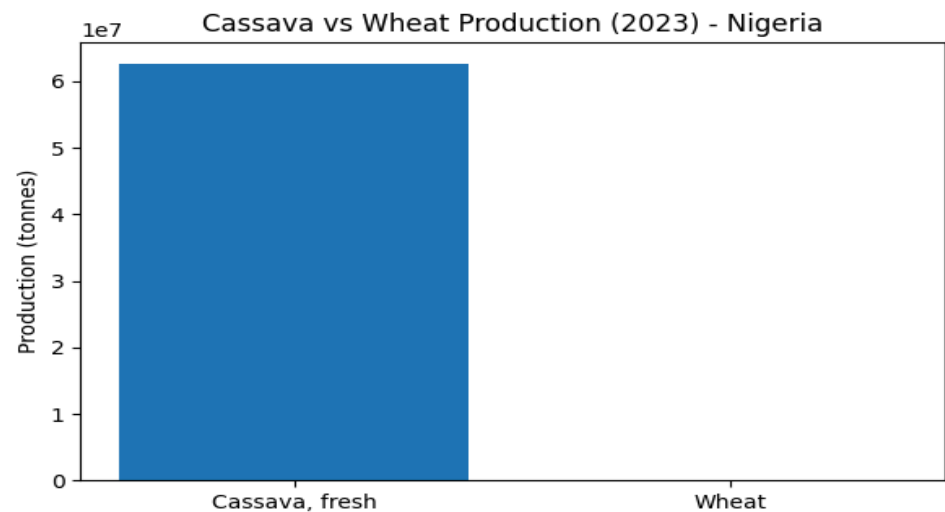
Yield data offers insights into the productivity of Nigeria's agricultural land. We examined the yield per hectare for the selected key crops from 1990 onwards. Analyzing the average yields from 1990 to 2023, we see variations in land productivity across different crops. The individual yield plots below showcase the year-on-year fluctuations and overall trends for each crop's yield, providing a more granular view of land productivity over time.





**A Striking Contrast: Cassava vs Wheat Production in 2023**

A direct comparison of the production volumes of Cassava and Wheat in 2023 dramatically illustrates the difference in their scale within Nigeria's agricultural output. This visual comparison below clearly demonstrates the overwhelming production volume of Cassava compared to Wheat in 2023.



Where is Wheat? Nowhere to be found beside Cassava.

**Conclusion: Navigating Nigeria's Food Future**

In conclusion, the analysis of the FAO data provides a compelling narrative of Nigeria's agricultural sector. The dominance and significant growth of Cassava and Yams highlight their importance. While yield data shows variations and opportunities for improvement, the overall trends point to a dynamic agricultural landscape. Understanding these patterns is crucial for developing effective strategies to enhance food security, promote sustainable practices, and support the livelihoods of farmers across Nigeria.