

RAW DATASETS

Source 1: Food and Agriculture Organization Statistical Database

URL: <https://www.fao.org/faostat/en/#data/QCL>

Description: Historical palm oil production data for Nigeria (1990-2023)

Metrics Included:

- Area Harvested (hectares)
- Yield (kg/ha)
- Production (tonnes)

File Details:

- Format: CSV
- Rows: 102 (33 years × 3 metrics)
- Columns: 15

Download Method:

1. Visited FAOSTAT website
2. Selected: Crops and Livestock Products
3. Country: Nigeria
4. Item: Oil Palm Fruit
5. Elements: Area Harvested, Yield, Production
6. Years: 1990-2023

Source 2: Presco PLC Annual Report 2024

Source: Presco PLC Investor Relations

URL: <https://presco-plc.com/>

Data Type: PDF Annual Report

Data Extracted:

- Total plantation area: 43,457 hectares
- Revenue 2024: ₦207.5 billion
- Net profit 2024: ₦77.8 billion
- Cost structure estimates

Extraction Method: Manual extraction from PDF pages 12, 28, 45

Source 3: Okomu Oil Palm Company Annual Report 2024

Source: Okomu Oil Palm Investor Relations

URL: <https://okomugroup.com/>

Data Type: PDF Annual Report

Data Extracted:

- Total plantation area: 19,071 hectares
- Mature area: 18,349 hectares
- Revenue 2024: ₦130.2 billion
- Palm products revenue: ₦107.5 billion
- Cost of sales: ₦40.8 billion
- CPO price increase: 35% year-on-year

Extraction Method: Manual extraction from financial statements

Source 4: Nigerian Institute for Oil Palm Research (NIFOR)

Source: NIFOR Research Publications

URL: <https://nifor.gov.ng/>

Data Type: Research papers and technical bulletins

Data Extracted:

- Improved variety yields: 20-25 tonnes FFB/ha
- Seedling costs: ₦2,500 per seedling
- Sprouted seeds: ₦250,000 per 500-seed bag
- Recommended planting density: 143-150 palms/ha
- Yield progression curves for improved varieties

Note: Data compiled from multiple publications and technical bulletins on NIFOR website

Source 5: Market Price Data (Multiple Sources)

Primary Sources:

- Nigerian Agricultural Market Information System
- BusinessDay Nigeria agricultural market reports
- Local market surveys

Data Extracted:

- CPO price January 2024: ₦1,228,661/tonne
- CPO price December 2024: ₦2,473,500/tonne
- Price increase 2024: 101.3%
- Historical price ranges for scenario modeling

Source 6: PropertyPro Nigeria - Land Prices

Source: PropertyPro Agricultural Land Listings

URL: <https://www.propertypro.ng/>

Data Type: Online property listings

Data Extracted:

- Edo State: ₦500,000 - ₦800,000 per hectare
- Cross River: ₦120,000 - ₦500,000 per hectare
- Akwa Ibom: ₦300,000 - ₦650,000 per hectare
- Ondo State: ₦350,000 - ₦750,000 per hectare
- Delta State: ₦350,000 - ₦700,000 per hectare
- Imo State: ₦400,000 - ₦800,000 per hectare
- Rivers State: ₦300,000 - ₦600,000 per hectare

Method: Surveyed 20+ agricultural land listings per state, calculated averages

Source 7: Equipment and Machinery Costs

Source: Jiji Nigeria

URL: <https://jiji.ng/>

Data Type: Online marketplace listings

Data Extracted:

- Palm fruit strippers: ₦250,000+
- Palm oil digesters: ₦500,000+
- Screw press machines: ₦1,400,000+
- Processing mill capacity pricing (1-5 TPH)
- Used vs. new equipment comparisons

Method: Surveyed equipment listings and contacted sellers for quote ranges

Source 8: World Bank Climate Knowledge Portal

Source: World Bank Climate Data

URL: <https://climateknowledgeportal.worldbank.org/>

Data Type: Climate database

Data Extracted:

- Annual rainfall by state (mm)
- Temperature ranges
- Climate suitability assessments
- Historical weather patterns

States Analyzed:

- Edo: 2,000mm annual rainfall
- Cross River: 2,400mm
- Akwa Ibom: 2,500mm
- Ondo: 2,200mm
- Delta: 2,300mm
- Imo: 2,000mm
- Rivers: 2,500mm

Source 9: PIND Foundation Reports

Source: Partnership Initiatives in the Niger Delta

URL: <https://pindfoundation.org/>

Data Type: Agricultural development reports

Data Extracted:

- Smallholder yield improvements (2.7 to 7.4 tonnes/ha)
- State-level production share percentages
- Best farmer performance (10.4 tonnes/ha)
- Regional agricultural assessments

Source 10: USDA Production, Supply, and Distribution (PSD)

Source: USDA Foreign Agricultural Service

URL: <https://apps.fas.usda.gov/psdonline/app/index.html#/app/advQuery>

Data Type: Global commodity database

Data Extracted:

- Nigeria's global production ranking (5th)
- Import volumes: ~600,000 tonnes annually
- International price benchmarks
- Regional production comparisons