

# COMMODITIES CATALOGUE

AFEX

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AFEX is a platform business that enables efficient trade for commodities in Africa. Solutions start at producer level, ensuring improvement in productivity and livelihoods while building up commodity volumes in the right quality and quantity for local and regional trade.

Operating through 3 business units, AFEX addresses the challenges faced by smallholder farmers, providing better access to inputs, credit facilities, micro-insurance, storage services, training, and markets. Partnership with different key players across the agricultural value-chain, including processors, logistics service providers, financial institutions, and regulatory authorities, makes our goal of supporting Africa's food security possible.

A range of clients and members also trade physical commodities and commodity contracts through AFEX's technology platforms as AFEX continuously bridges the gap between the capital market and the commodities market; unlocking finance for production, trade, processing and export of commodities.



# Our Goals

AFEX is building a pan-African platform for efficient and inclusive commodities trade. We make relevant investments in infrastructure and processes to strengthen supply chain networks in carefully identified value chains. Through our operations, we are on track to impact 1 million producers while driving 1 million MT in trade volumes by 2025.

**1 Million**
Producers Reached

**$500 Million**
Funds Raised

**1 Million MT**
Storage Capacity

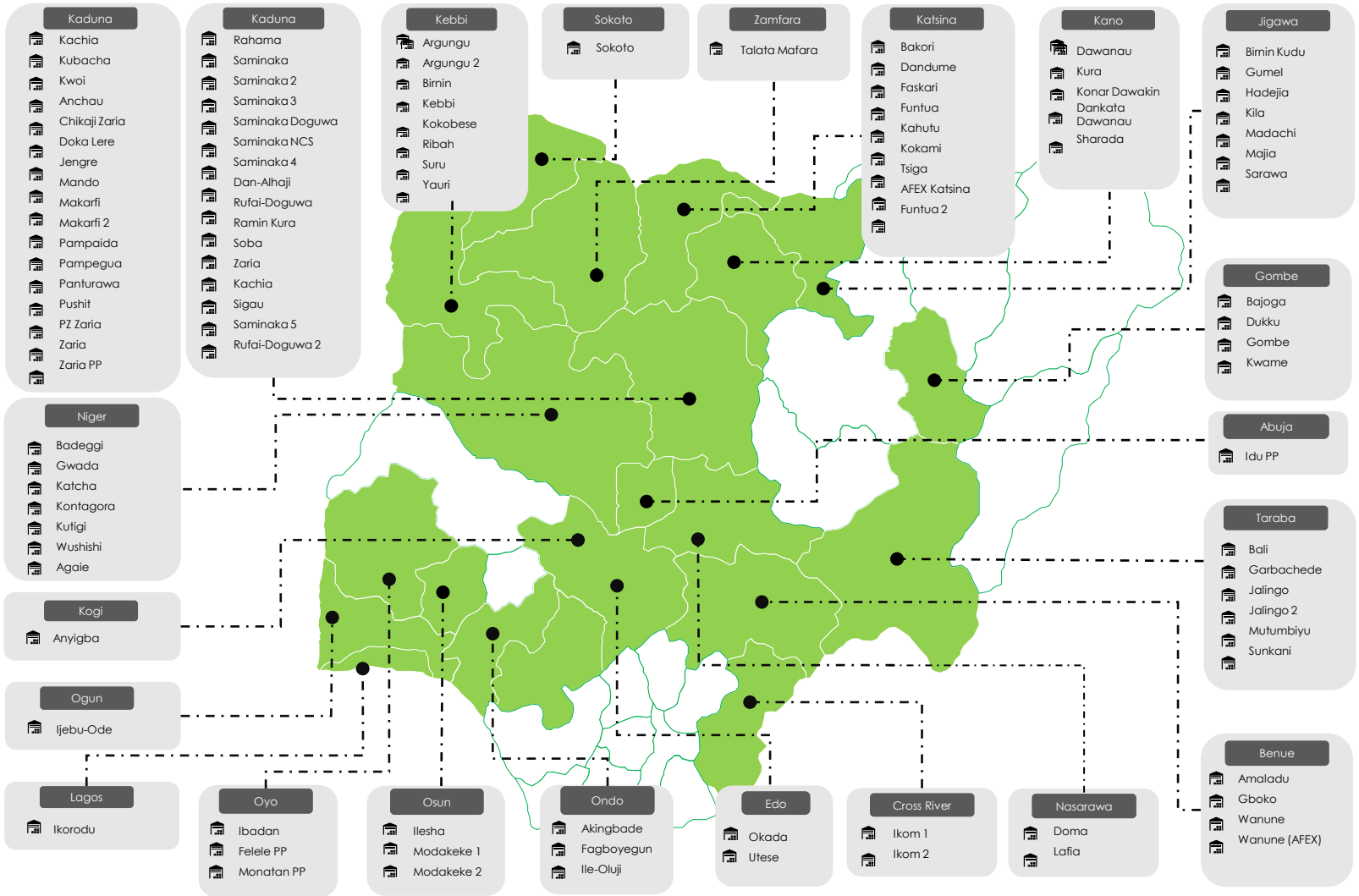
**1 Million MT**
Trade Volumes



# Secure Storage

With over 200 warehouses across Africa, AFEX offers affordable and secure storage to farmers through the provision of warehouses in close proximity to farming clusters.

# AFEX Storage Locations- Nigeria




**123 Warehouses, 24 States Covered, c.357,000MT Capacity**

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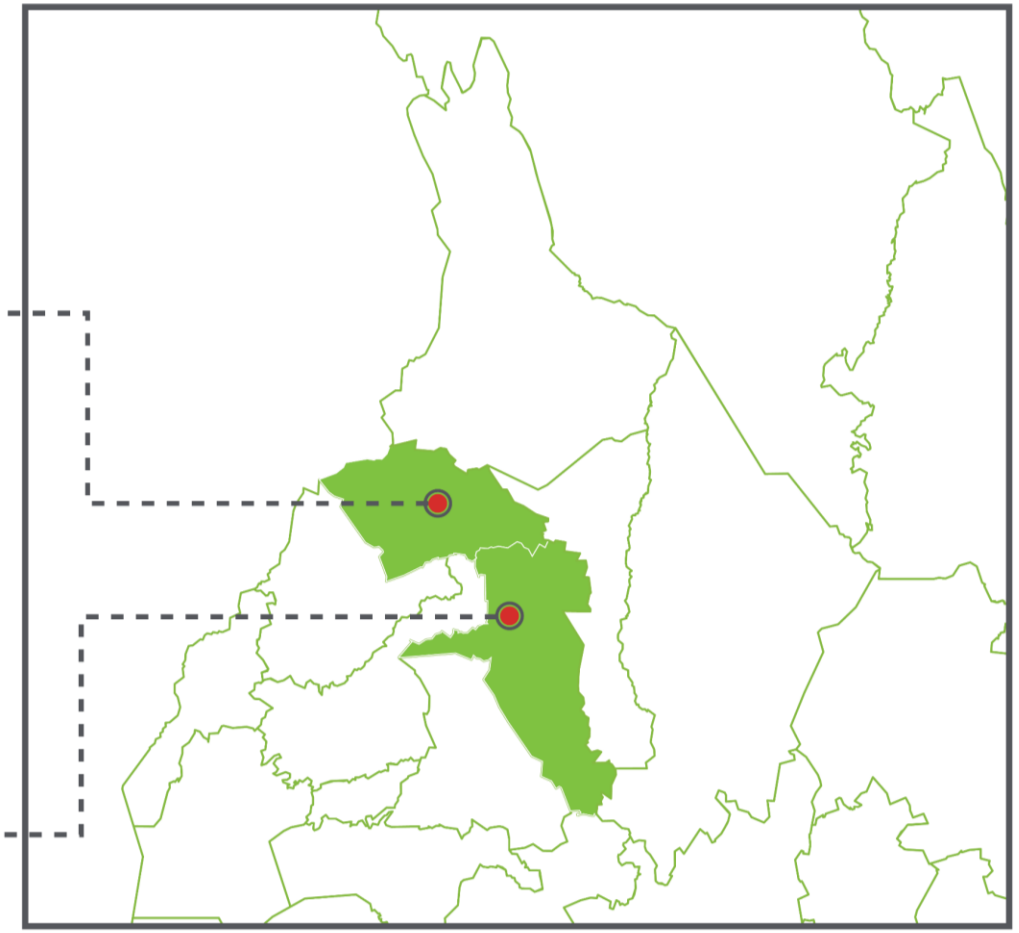
# AFEX Storage Locations - Kenya

**Trans Nzoia**

- Sinyerere
- Huruma-Suwerwa
- Barsombe
- Kachibora
- Wamuini

**Uasin Gishu**

- Kaptait
- Kesses
- Mateeny
- Moiben
- Moi's Bridge
- Progressive
- Tarakwa
- Tuiyo
- Sambut Schemers
- Lemooru
- Kongeluk
- Kapsiliot
- Mavuno



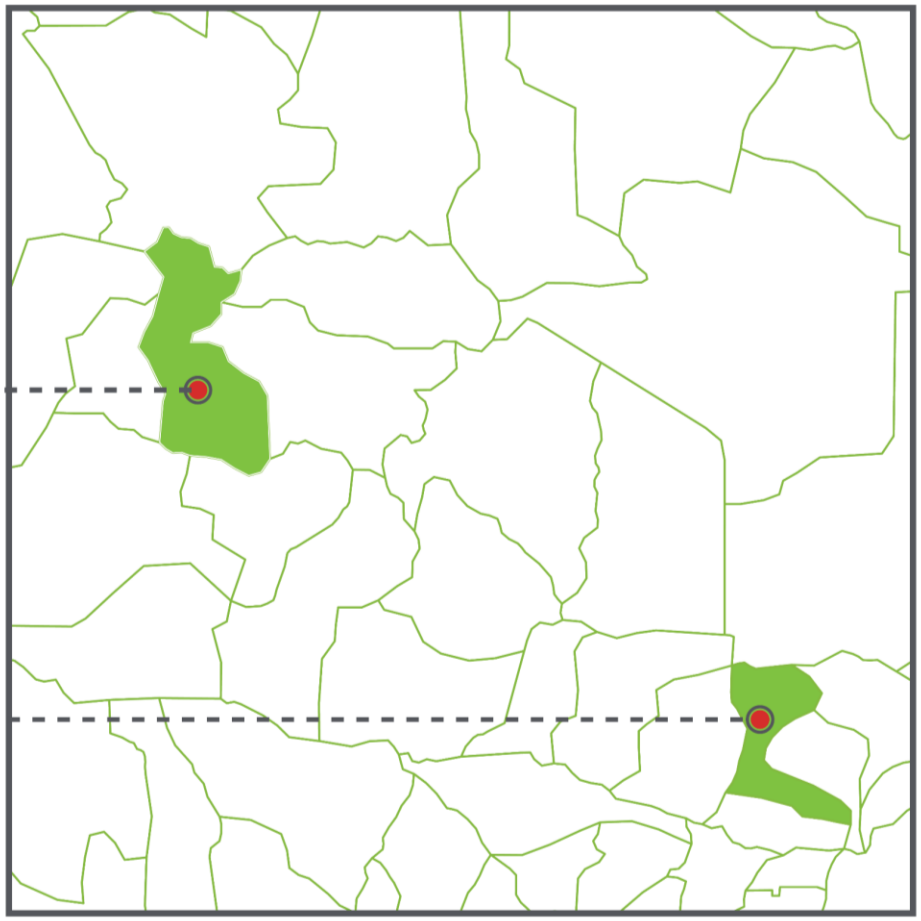
**18 Warehouses, 2 Counties, 14,327MT Capacity**

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# AFEX Storage Locations - Uganda

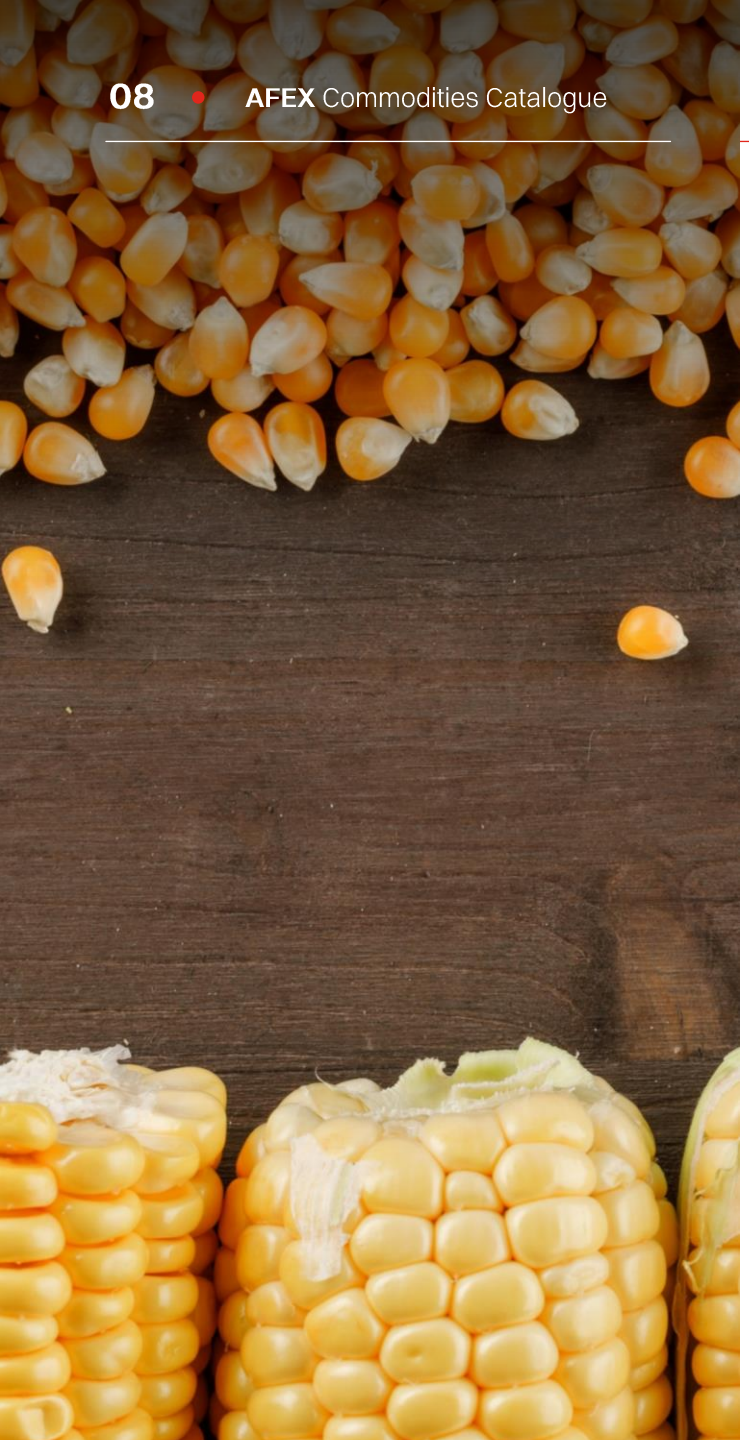
**Lira**
- Boroboro
- Agweng

**Bulambi**
- Bulambi



**3 Warehouses, 3 Districts, 8,200MT Capacity**

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# Maize

Maize is one of the most utilized and multifunctional crops in Africa. It is a major staple food grain not only in Africa, but in many parts of the world like Latin America and Asia and is also used as a major feed in developed countries. The maize grain has numerous products ranging from edible grains to syrups and oils. Some of its products are used for corn ethanol and animal feed.

| Grading Parameters | Grade 1 | Grade 2 | Grade 3 |
|---|---|---|---|
| Foreign matter | 0.5% | 1.0% | 1.5% |
| Broken grains | 4.0% | 5.0% | 7.0% |
| Rotten, diseased and discoloured | 2.0% | 4.0% | 5.0% |
| Total defective grains | 5.0% | 7.0% | 9.0% |
| Heat damaged grains | 0.1% | 0.2% | 0.3% |
| Moisture content | 13.0% | 13.0% | 13.0% |
| Infestation | Nil | Nil | Nil |
| Standard deduction | 1.0% | 1.5% | 2.5% |



# Sorghum

Sorghum is the world's fifth most important cereal crop. It is typically produced on an annual basis, but some varieties are perennial. It grows in clumps that may reach over four meters high and it can be used for a variety of purposes, including but not limited to the production of alcoholic beverages, ethanol fuels (biofuels), flatbreads and a number of other snacks.

| Grading Parameters | Grade 1 | Grade 2 | Grade 3 |
|---|---|---|---|
| **Moisture content** | 12.0% | 12.0% | 6.0% |
| **Foreign matter** | 0.5% | 1.0% | 6.0% |
| **Broken grains** | 4.0% | 5.0% | 7.0% |
| **Rotten and diseased grains** | 2.0% | 4.0% | 5.0% |
| **Heat damaged grains** | 0.1% | 0.2% | 3.0% |
| **Total defective grains** | 5.0% | 7.0% | 9.0% |
| **Infestation** | Nil | Nil | Nil |
| **Impurities** | - | - | 3.0% |



# Paddy Rice

Rice is an increasingly important crop in Nigeria and a major staple in many parts of the world. It is a relatively easy crop to produce and is grown mainly for sale to processors. Different varieties of rice are grown in Nigeria, with some being considered traditional varieties and other foreign varieties being introduced over the years. Rice is grown in paddies or on upland fields depending on the requirements of the variety in question.

| Grading Parameters | Grade 1 | Grade 2 | Grade 3 |
|---|---|---|---|
| **Foreign materials max** | 0.5% | 1.0% | 2.0% |
| **Empty shells max** | 0.5% | 1.0% | 2.0% |
| **Immature/green grains max** | 1.0% | 2.0% | 3.0% |
| **Damaged + discoloured** | 1.0% | 2.0% | 3.0% |
| **Short grains max** | 2.0% | 4.0% | 6.0% |
| **Red grains max** | 1.0% | 3.0% | 5.0% |
| **Standard deduction max** | 1.0% | 2.0% | 3.0% |
| **Moisture content** | 14.0% | 14.0% | 14.0% |



# Soybean

Soybean is a legume specie widely grown for feed and food. Approximately 85% of the world's soybean crop is processed into soybean meal or soybean oil as well as human wholesome food. In Nigeria, soybean grows majorly in the middle belt accounting for 65 – 75% of total production. The legume is also a valuable export commodity.

| Grading Parameters | Grade 1 | Grade 2 | Grade 3 |
|---|---|---|---|
| **Moisture content** | 11.0% | 11.0% | 11.0% |
| **Immature grains** | 0.2% | 0.2% | 0.5% |
| **Foreign matter** | 1.0% | 2.0% | 5.0% |
| **Soiled grains** | 2.0% | 4.0% | 5.0% |
| **Split grains** | 2.0% | 5.0% | 7.0% |
| **Heat damaged grains** | 0.2% | 0.5% | 0.7% |
| **Discoloured grains** | 1.0% | 2.0% | 3.0% |
| **Infestation** | Nil | Nil | Nil |



# Cocoa

Cocoa is the dried and fully fermented seed of Theobroma Cacao, which can be put to many uses like the derivation of cocoa solids and extraction of cocoa butter. It is a high income, foreign exchange commodity that is required to pass certain quality parameter tests to ensure that it is export ready.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 7.5% | 8.0% |
| **Mould** | 3.0% | 5.0% |
| **Slaty** | 5.0% | 8.0% |
| **Other defects** | 3.0% | 6.0% |
| **Admixture** | 1.5% | 3.0% |
| **Foreign matter** | 0.5% | 0.75% |
| **CRM** | 3.0% | 3.5% |
| **Sieving** | 1.0% | 1.5% |
| **Bean Count** | 100/100 | 115/100 |
| **FFA** | 1.0% | 1.5% |



# Cashew Nuts

Known by the scientific name, Anacardium Occidentale, Cashew is a prominent cash crop cultivated mostly in tropical zones, now worldwide for its variants and uses. Its by-product, the Kidney-shaped fruit known as cashew nut is being consumed as a snack and used as one of the main ingredients for sweets, food products, paints, lubricants, etc. The crop season for Cashew starts from February to May. Determinants of the quality and price of the nuts include the yield of the kernels, percentage of the defective, average size of the nuts, and moisture content.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 10.0% max | 10.0% max |
| **KOR** | >48% | 44-47% |
| **Nut count** | 170-180 | 180-200 |
| **Total defective** | <10% | <20% |
| **Foreign matter** | 2% | 3% |



# Sesame

Sesame seeds are tiny, oil-rich seeds that grow in pods on the Sesamum indicum plant. They are found in most of the tropical, subtropical, and southern temperate areas of the world. Sesame seeds are an excellent source of copper, manganese, calcium, iron, and other nutrients. And the most-traded variety of sesame is creamy or pearly white.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 7-8% | 9-10% |
| **Foreign materials** | 1.5% | 2.0% |
| **Colour** | Bright | Bright |
| **Admixture** | 1-2% | 2.5-4% |
| **FFA** | As agreed | As agreed |
| **Oil content** | 40-50% | 55-60% |



# Ginger

Ginger is cultivated from its rhizomes and is a flowering plant that has its rhizome, ginger root or ginger, used as a spice or folk medicine. It is a herbaceous perennial which grows annual pseudo stems. Being a high income, foreign exchange commodity, ginger is required to pass certain quality parameter tests to ensure that it is export ready.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 9.0% | 9.0% |
| **Extraneous matter** | 1.o% | 3.0% |
| **Unsplit roots** | 1.0% | 3.0% |
| **Chips** | 1.5% | 2.5% |
| **Surface dirt** | 1.0% | 3.0% |
| **Mold** | 0.2% | 0.5% |
| **Infestation** | Nil | Nil |
| **Standard deduction** | 1.0% | Nil |



# Coffee

Coffee is a soft commodity and one of the three most popular beverages in the world. Coffee grows on small trees, so the crops stay in the ground all year. The trees can live as long as 20-30 years and are capable of growing in a wide variety of climate. There are too main coffee species known as Arabica and Robusta. The Arabica bean differs from its counterpart the Robusta, in that it is flatter and slightly longer in shape. It produces a milder coffee that has a softer aromatic flavor.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 10.0% | 12.0% |
| **Bean size** | 712" | 712" |
| **Defective** | 3.0% | 3.0% |
| **Mould** | 3.0% | 5.0% |
| **Immature** | 3.0% | 5.0% |
| **Infestation** | Nil | Nil |
| **Broken beans** | 3.0% | 5.0% |
| **Foreign matter** | 1.5% | 2.5% |



# Groundnut

Groundnut is widely grown in the tropics and subtropics with a high level of importance to both small and large commercial producers. The use of groundnut in diets and cuisines closely resembles the usage of nuts although its physical structure and nutritional benefits resemble that of other legumes. Groundnut in Nigeria is grown in commercial quantities and used mainly for extracting oil for cooking and industrial use with the cake going into livestock feed.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 6.0% | 6.0% |
| **Shrivelled kernels** | 1.o% | 3.0% |
| **Split & broken kernels** | 2.0% | 5.0% |
| **Discoloured kernels** | 1.0% | 3.0% |
| **Insect damaged kernels** | 2.0% | 2.0% |
| **Total defective kernels** | 1.0% | 7.0% |
| **Impurities** | 1.0% | 2.0% |
| **Infestation** | Nil | Nil |



# Wheat

Wheat is an important source of carbohydrates. Globally, it is the leading source of vegetal protein in human food, having a protein content of about 13%, which is relatively high compared to other major cereals but relatively low in protein quality for supplying essential amino acids. When eaten as the whole grain, wheat is a source of multiple nutrients and dietary fibre.

| Grading Parameters | Grade 1 | Grade 2 |
|---|---|---|
| **Moisture content** | 12.0% | 12.0% |
| **Immature grains** | 1.0% | 2.0% |
| **Broken grains** | <3.0% | 3.0% |
| **Foreign materials** | 1.0% | 1.0% |
| **Infestation** | Nil | Nil |

# Crop location data



| | Warehouse Locations |
|---|---|
| MAIZE | Kastina, Kano, Kaduna, Plateau, Trans Nzoia, Uasin Gishu, Bulambi, Lira |
| SORGHUM | Benue, Kaduna, Taraba, Katsina, Kano |
| PADDY RICE | Benue, Kaduna, Kano, Kebbi, Niger, Sokoto, Zamfara |
| SOYBEAN | Benue, Kaduna, Taraba, Kano |
| COCOA | Edo, Ondo, Oyo, Cross River |
| CASHEW NUT | Kogi, Oyo |
| SESAME | Nasarawa, Niger, Jigawa, Kano, Kaduna |
| GINGER | Kaduna |
| COFFEE | Taraba, Plateau |
| GROUNDNUT | Benue, Kaduna, Edo |
| WHEAT | Jigawa, Kebbi, Sokoto, Kano |



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