



2023 IN REVIEW :

Top 8 News Impacting Africa's Fresh Produce Export Industry

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SPACE RENNES FRANCE

2024

Find out more about **SPACE 2024**

Location

Parc des Expositions in Rennes, France

Overview

SPACE is held every year at Parc des Expositions in Rennes, France. The trade fair will take place from 17.09.2024 - 19.09.2024.

The event is literally huge attracting more than 1 500 exhibitors and over 110 000 visitors from around the globe.

SPACE is without a doubt among the trendsetters of the global Agriculture industry exhibitions.

Participants from 47 countries attend the trade fair making the show a must-attend platform for everyone doing business in the Agriculture and Forestry sectors.

The magnitude of the event turns Rennes into an overbooked city limiting the number of available hotels to a minimum.

Hotel rates during SPACE can be overwhelming. This is the reason why the travel agents at RoomBites.com have put

significant efforts to prepare an excellent hotel list for you.

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COP28 Day 7: Innovative Financing For Climate-Smart Agriculture In West Africa

CSA will be increasingly important for West African farmers, experts at a COP28 panel agree.

“Climate-smart agriculture in West Africa: challenges for innovative financing in support of the public and private sectors” was the theme of a parallel session held at the West African Development Bank (BOAD) Pavilion on 6 December 2023 at COP28 in Dubai.

The session brought together officials from the BOAD, government representatives, the private sector and civil society, providing an opportunity to discuss the challenges, constraints and prospects associated with innovative financing for climate change-smart agriculture (CSA) in support of the public and private sectors in the countries of the West African Economic and Monetary Union (WAEMU).

Adeyemi Sandra Freitas, CEO of Sustainable Development Africa, Christophe Deguenon, Director of Environment and Water Resources at UEMOA, Esso Sam Agrignan, CSA economist, climate policy and financing expert-ClimSA Project from Senegal, Seidou Traoré, agrometeorologist and coordinator of the Intra-ACP ClimSA project for West Africa, and Eric Edem Amoussou, senior environmentalist at BOAD made up the session panel. They noted the importance of the agricultural sector to the economy of the WAEMU zone, underlining the sector’s many

challenges, including those related to climate change, soil degradation, demographic pressure, and competition from imports.

“Climate-smart agriculture is an approach that aims to make agriculture more resilient to climate change and reduce its greenhouse gas emissions. It is based on a range of practices and technologies, such as agroecology, sustainable irrigation, precision farming and natural resource management”, explained Esso Sam Agrignan.

In addition to mobilising financial resources from the BOAD, he proposed capacity-building for agricultural players at various levels, and scaling-up innovations in the WAEMU region. In his view, it is important to rethink CSA in relation to agroecology in the context of climate change, because “every half degree counts, every year counts, and every choice counts”.

“It’s essential to adopt CSA for the WAEMU zone, as it will make it possible to reduce the vulnerability of rural populations to climate change, improve agricultural productivity and food security, and protect the environment and natural resources”, he said. However, adopting CSA required substantial investment, which was often difficult for small-scale farmers to mobilise, he pointed out.

Christophe Deguenon, Director of Environment and Water

Resources at WAEMU, pointed to the “dictatorship of urgency on the part of public authorities” in favour of projects to promote and adopt AIC and agroecology in the sub-region, especially as these agricultural innovations are often outweighed by other imperatives such as health, security, and education. He called for monitoring and evaluation of projects in the sector to capitalise on successes.

Seidou Traoré identified the main constraints to innovative financing for CSA in the WAEMU zone, citing the fragmented agricultural sector, among other things: “the agricultural sector is made up of a large number of small agricultural producers who are often dispersed and difficult to reach”; the lack of data and information on CSA, which is often insufficient or inaccessible, making it difficult to assess CSA risks and opportunities, and the lack of appropriate financing. “The funding available for CSA is often insufficient and does not meet the specific needs of small-scale agricultural producers”, he stressed.

Mr Traoré referred to “ClimSA, promoter of CSA”, the NGO making a difference in Burkina Faso with its rigorous management, funding, and support from national and international financial and agrometeorological bodies.

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African Smallholder Farmers Benefit From Reduced Crop Losses And Higher Incomes From A Novel Pest Alert Service

African smallholder farmers benefit from reduced crop losses and higher incomes from a novel pest alert service

A newly published review of the CABI-led Pest Risk Information Service (PRISE) project shows that smallholder farmers in four African countries who received pest alerts created using earth observation data benefitted from reduced crop losses and higher incomes compared to farmers who did not.

Crop pests are the major cause of loss of smallholder productivity resulting in negative impacts on livelihoods – the estimated the economic impact of invasive alien pests alone on Africa's agricultural sector is USD \$65.58 billion a year (CABI, 2021, CABI Agriculture and Bioscience).

This review is a keystone paper that brings together six years

of work on PRISE. The highlight of the review, published in the *Journal of Integrated Pest Management*, shows that smallholder farmers in four African countries really benefit from the service.

For instance, in respect of 2,000 smallholder maize farmers in Kenya surveyed in 2021 who received pest alerts for fall armyworm (*Spodoptera frugiperda*), a harvest of 2,089 kg/ha was achieved with an income of 18,020 Ksh/ha. This is compared to smallholder farmers who did not receive these alerts where only a harvest of 1,988 kg/ha was gained with a lower income of 15,733 Ksh/ha.

In recent decades, significant progress has been made that allows farmers to access important information to improve crop health, including how to

manage crop pests.

PRISE alerts augment the advice (the what) already being serviced to farmers with their bespoke optimum 'time to action window' (the when) allowing farmers to prepare for pest threats in advance so increasing the efficiency and efficacy of interventions.

This in turn reduces the reliance on 'in case' action, which is time-consuming, costly, and often ineffective, the scientists say.

PRISE, which began in 2017, was carried out by a team of scientists from Africa and Europe for farmers in sub-Saharan Africa. In Europe, the partners include CABI and Assimila Ltd, who work with four in-country lead partners from government agencies in Africa.

These include the Kenyan



Agricultural and Livestock Research Organization (KALRO); the Plant Protection and Regulatory Services Directorate (PPRSD) and Crop Research Institute (CRI) in Ghana; the Department of Agriculture Extension Services in Malawi; and the Zambia Agricultural Research Institute (ZARI).

In the early part of PRISE, technical help was also provided by the Science and Technology Facilities Council/Centre for Environmental Data Analysis (2017-2022), and King's College London (2017-2020).

Data from a variety of sources

PRISE works by gathering data from a variety of sources including satellite observation, weather data, geographic data, and details about the seasonal occurrence, abundance and biology of pests

that include the tomato leafminer (*Phthorimaea absoluta*).

This information is then combined in a 'data cube' to run algorithms, which ultimately produce pest time to act information. The information generated is used to give farmers timely alerts and advice to help manage local pest outbreaks as part of their Integrated Pest Management (IPM) plans.

Forecast time to act

Using downscaled and processed Earth Observation data to drive the models, PRISE partnered with African national agencies to communicate pre and in-season pest alerts that forecast the time to act against key insect pests.

Alerts were designed to be integrated into country-specific Good Agricultural Practice (GAP)

recommendations to provide a complementary package to agricultural stakeholders.

For example, by converting time-to-act information into maps coupled with PlantwisePlus GAP information, bulletins (PDF documents) were developed twice a month, combining the PRISE action alert with relevant diagnostic and management advice from Pest Management Decision Guides.

Benefits more pronounced for male-headed households Dr Bryony Taylor, Digital Development Coordinator, Modelling and Data Science at CABI and an author of the review, said, "Results varied across countries and crops, as was expected. Nevertheless, overall positive impact was noted for some but not all farmers who had received the PRISE forecasts .

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The Healthiest Beans For Your Health, According to A Dietitian

Beans are the edible seeds of certain plants in the Fabaceae plant family. Beans, such as black beans, garbanzo beans, and lima beans, are amongst the most nutritious foods you can eat. They're rich in fiber, magnesium, potassium, and other nutrients that tend to be low in modern-day diets.

However, some bean-based products are high in salt, sugar, and other ingredients that could harm health if overconsumed.

Here are 6 of the healthiest beans you can eat, plus bean products to limit.

1. Navy Beans

Navy beans, also known as haricot beans, Boston beans, and pea beans, are a rich source of fiber, protein, folate, and many other essential nutrients. Their creamy texture and nutty taste make them a popular addition to soups and stews.

Regularly eating navy beans may improve certain health parameters, such as body weight, blood sugar, and lipid levels. Their high protein and fiber content could help support weight loss and reduce blood sugar and blood lipid levels.

A 2015 study found that adults who were considered overweight or obese who consumed five cups of cooked navy beans per week for four weeks experienced reductions in waist circumference and blood sugar levels compared to baseline. In the male participants, pulse rate, total cholesterol, and LDL

cholesterol were reduced by 6.5%, 11.5%, and 18%, respectively.

Here's the nutrition breakdown for a one-cup serving of cooked navy beans:²

Calories: 296

Protein: 19.7 grams (g)

Carbohydrates: 53.4 g

Fiber: 13.4 g

Fat: 1.13 g

Folate: 162 micrograms (mcg) or 41% of the Daily Value (DV)

Vitamin B6: 0.27 milligrams or 16% of the DV

Iron: 4.85 mg or 27% of the DV

Manganese: 0.983 mg or 43% of the DV

Magnesium: 123 mg or 29% of the DV

Potassium: 755 mg or 16% of the DV

Selenium: 15.2 mcg or 28% of the DV

Zinc: 2.02 mg or 18% of the DV

2. Black Beans

Black beans are amongst the most popular beans in the U.S., and for good reason. Not only are these beans packed with nutrients, but their mild, earthy taste and soft texture pair well with ingredients like vegetables, grains, and animal proteins.

Black beans are an excellent source of several vitamins and minerals, including folate, a B vitamin that's especially important during pregnancy as it plays a critical role in fetal development.³

They're also high in fiber and protein, both of which help you feel satisfied after eating, preventing excess calorie intake.

Studies show that adding beans to your diet could be an effective way to promote weight loss. In fact, a recent 2023 study that included 15,185 U.S. adults found that the participants who regularly consumed legumes, such as black beans, as part of their diets had significantly less weight gain, lower BMIs, and leaner waists over a 10-year period compared to people who didn't eat or rarely ate legumes. The percent weight gain over 10 years was 23.5% greater in the non-consumers compared to the moderate-to-high legume consumers.⁴

A one-cup serving of cooked black beans contains:⁵

Calories: 227

Protein: 15.2 grams (g)

Carbohydrates: 40.8 g

Fiber: 15.2 g

Fat: <1 g

Folate: 256 micrograms (mcg) or 64% of the Daily Value (DV)

Copper: 0.359 mg or 40% of the DV

Iron: 3.61 mg or 20% of the DV

Manganese: 0.764 mg or 33% of the DV

Magnesium: 120 mg or 29% of the DV

Potassium: 611 mg or 13% of the DV

Zinc: 1.93 mg or 18% of the DV

3. Garbanzo Beans

Garbanzo beans, commonly referred to as chickpeas, are a popular ingredient in dishes like curry, hummus, salads, and soups.

Garbanzo beans are packed with nutrients that may help support



protein, fiber, potassium, and magnesium. Potassium and magnesium play important roles in blood pressure regulation, while fiber, protein, and magnesium could help support healthy blood sugar levels.⁶

Additionally, studies show that people who regularly consume garbanzo beans and garbanzo bean products, like hummus, have higher intakes of nutrients like fiber, healthy fats, folate, magnesium, potassium, and iron as compared to non-consumers.⁷

Here's the nutrition breakdown for a one-cup serving of cooked garbanzo beans:⁸

Calories: 269
 Protein: 14.5 grams (g)
 Carbohydrates: 44.9 g
 Fiber: 12.5 g
 Fat: 4.25 g
 Folate: 282 micrograms (mcg) or 71% of the Daily Value (DV)
 Vitamin B6: 0.228 milligrams or 13% of the DV
 Iron: 4.74 mg or 26% of the DV
 Manganese: 1.69 mg or 73% of the DV
 Magnesium: 78.7 mg or 19% of the DV
 Potassium: 477 mg or 10% of the DV
 Selenium: 6.07 mcg or 11% of the DV
 Zinc: 2.51 mg or 23% of the DV

4. Kidney Beans

Kidney beans are commonly used in popular recipes like chili and rice dishes. These slightly sweet, soft beans are loaded with nutrients such as fiber, folate, protein, magnesium, manganese, and potassium.

In addition to being a rich source of protein and fiber, both of which are important for blood

sugar regulation, studies show that the starches found in kidney beans are highly resistant to digestion, meaning they have less of an impact on blood sugar levels compared to more rapidly digested carbohydrate sources, like white bread or white pasta. In fact, a 2022 study found that the glycemic index of kidney beans ranged from 32.47 to 52.99, making kidney beans a low glycemic index food.

Choosing fiber and protein-rich, complex carbohydrate sources low on the glycemic index, like kidney beans, has been shown to promote healthy blood sugar levels in people with and without diabetes.

A 2023 review of 28 studies found that eating pulses, including kidney beans, led to significant improvements in blood sugar regulation markers such as fasting blood sugar, fasting insulin, and the long-term blood sugar control marker hemoglobin A1C (HbA1c) in people with type 2 diabetes.¹⁰

A one-cup serving of cooked kidney beans provides:¹¹

Calories: 225
 Protein: 15.3 grams (g)
 Carbohydrates: 40.4 g
 Fiber: 13.1 g
 Fat: <1 g
 Folate: 230 micrograms (mcg) or 58% of the Daily Value (DV)
 Vitamin B6: 0.212 milligrams or 12% of the DV
 Vitamin K: 14.9 mcg or 12% of the DV
 Iron: 5.2 mg or 29% of the DV
 Manganese: 0.884 mg or 38% of the DV
 Magnesium: 79.6 mg or 19% of the DV
 Potassium: 713 mg or 15% of the DV
 Selenium: 15.2 mcg or 28% of the DV
 Zinc: 1.89 mg or 17% of the DV

5. Pinto Beans

Pinto beans are the most commonly consumed beans in the U.S. These earthy-tasting beans are an excellent source of several vitamins and minerals, and are packed with protein and fiber.

They have the highest fiber content of all the beans on this list, making them a smart choice for supporting gut health. Fiber helps keep stools regular and comfortable to pass and influences gut bacteria composition and the production of short-chain fatty acids (SCFAs).¹²

Bacteria in the large intestine break down the soluble fibers found in pinto beans and release SCFAs, such as butyrate, acetate, and propionate. SCFAs play essential roles in digestive health, such as regulating inflammation and acting as a primary energy source for colonocytes or the cells that line the colon. In addition to their role in maintaining digestive health, SCFAs have also been shown to have anti-inflammatory, anti-obesity, anticancer, heart-protective, and neuroprotective effects in the body.¹³

Here's the nutrition breakdown for a one-cup serving of cooked pinto beans:¹⁴

Calories: 245
 Protein: 15.4 grams (g)
 Carbohydrates: 44.8 g
 Fiber: 15.4 g
 Fat: 1.11 g
 Folate: 294 micrograms (mcg) or 74% of the Daily Value (DV)
 Thiamin: 0.33 milligrams or 28% of the DV
 Vitamin B6: 0.392 mg or 23% of the DV
 Iron: 3.57 mg or 20% of the DV
 Manganese: 0.775 mg or 34% of the DV



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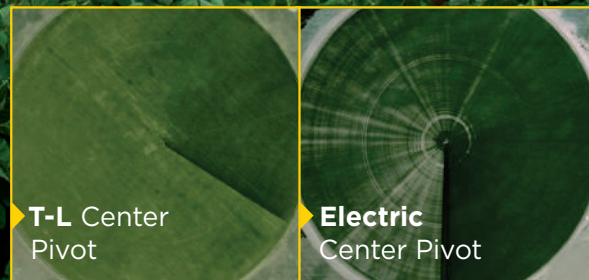
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Kiwifruit Farming In Nigeria Continues To Evolve

The early 20th century saw the initiation of kiwifruit cultivation in Nigeria, a venture spearheaded by adventurous horticulturists. The kiwifruit, originally from China and later grown in New Zealand, arrived in Nigeria via global trade and the endeavors of pioneers aiming to diversify Nigeria's agriculture.

Early attempts to grow kiwifruit in the 1920s were met with numerous challenges due to the fruit's preference for temperate climates. However, determined farmers persisted, experimenting with different regions and altitudes to find suitable locations for kiwifruit

orchards.

"The 1950s saw a breakthrough when agricultural experts developed hybrid kiwifruit varieties adapted to Nigeria's warmer climate.

"This facilitated the establishment of commercial kiwifruit farms and in the 1970s, the government began initiatives to encourage kiwifruit farming, recognizing its economic potential.

By the 1990s, the export of Nigerian kiwifruit surged as the fruit gained popularity in international markets.

"Nigeria's unique climate and decades of expertise allowed for the production of high-quality kiwifruit that met global standards."

Kiwifruit farming in Nigeria continues to evolve in the 21st century, with a focus on improving yield, disease resistance, and sustainability.

Today, Nigeria is a key player in the global kiwifruit market, demonstrating the resilience and adaptability of its agricultural sector.



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Exhibitors Put On Grand Display At LAMMA

In the deep midwinter, amongst the sharp frosts of this January, comes the LAMMA event of 2024 – a chance to shake off the woes of 2023 and focus on the year ahead.

There was plenty to focus on, as the exhibitors put on a good display of what they consider to be essential equipment for the years ahead.

The first item of this category that springs to mind is the Case 715 Quadtrack that had made its debut at Agritechnica in the autumn, but was now being seen in the UK for the first time. Away from the rest of the mega machinery at the German show, the true size of Case's range topper can be appreciated, as it dwarfed any other tractor on display in the halls.

Will this be the first combine to carry a million dollar price tag?

Sharing space on the CNH display, and also on show for the first time in the UK, was the New Holland CR11 Combine, which was looking a lot better in the bright yellow of the company's normal livery.

As of yet, there is no indication of price for either of them, but it was suggested that the CR11 may become the first million dollar combine.

Big Massey on show

Another machine making its first appearance in the UK, was the Massey Ferguson 9S tractor, which was attracting a good deal of attention. The 9S is creating something of a buzz over in the UK and should sell well for the company

Closer to home, McHale had once again committed itself to putting on a large display of its equipment, which must have gladdened the hearts of its UK dealer – seeing such strong support for the brand.

A McHale fusion 4 baler is the first prize in Kilmaine GAA's fundraising drive

The company is also supporting the Kilmaine GAA club, which is local to its factory in Co. Mayo. The first prize is a Fusion 4 baler with all the trimmings.

Tickets were selling well to the large Irish contingent that always comes over for the show.

Hydrogen at LAMMA

The alternative fuel scene took an interesting twist, with both Kubota and JCB showing their Hydrogen-powered engines at the show.

Kubota revealed the power rating of its hydrogen-powered engine, which they give as 116hp

Although the Kubota has been quite open about how it is approaching the alternative fuel situation, this was the first time it had placed a power output on the 3.8L engine, which is now claimed to be 85kW, or 116hp.

Another development quietly brewing away in the background, is Near Infra Red Technology (NIR), which John Deere has been pushing with its Harvest Lab.

Its becoming ever more apparent that assessing nitrogen levels in slurry is no simple task and real time analysis is the likely way forward.



Case IH Farmall 75C Electric and Steiger Quadtrac 715 Receive 2023 Good Design Awards

For over 70 years, the Chicago Athenaeum Museum of Architecture and Design and Metropolitan Arts Press Ltd. present the Good Design awards program celebrating the yearly achievements of design excellence.

St. Valentin, 18.12.24

Case IH, a global leader in agriculture equipment, is recognized as a 2023 Good Design® Award Winner for the Farmall 75C Electric and the Steiger Quadtrac 715 tractors. The award, presented by the Chicago Athenaeum, showcases global industrial innovation and cutting-edge graphical designs.

“The principle behind the development of the Quadtrac 715 is not simply more power,” says Franz Josef Silber, Case IH product marketing manager for high-horsepower and 4wd tractors.

“Our aim was to create a machine that matches the requirements of our region’s largest farms, to operate implements at their ideal speed, producing higher workrates and allowing operations to be performed at the ideal time, even in tough working conditions, to make the most of short weather windows. We also wanted to ensure soil protection via a bigger footprint and fewer passes, which also means greater efficiency and minimal trafficked land”.

Both the Farmall 75C Electric and Quadtrac 715 already boast award-winning pedigree with Farm Machine 2024 and ASA-

BE AE50 Awards respectively.

Farmall 75C Electric

Revealed publicly at Farm Progress Show 2023, the Farmall 75C Electric is Case IH’s first fully electric tractor. Sporting a brand-new design with diesel-like performance and power, the tractor is designed for agriculture’s toughest jobs.

The electrification of the Farmall coupled with the reduction in wear and tear on parts and maintenance costs, can provide users with a reduction in operating expenses when compared to diesel tractors. Offboard digital features and additional automation capabilities like Safety Mode let farmers operate the vehicle with far more efficiency.

Quadtrac 715

Launched in 2023, the Quadtrac 715 was created to fulfill the customer need of increased productivity. Case IH focused on addressing the customer pain point of how to increase productivity by pulling larger implements at faster speeds while simultaneously enhancing the operator experience.

The most powerful Quadtrac tractor purposefully addresses this challenge delivering 778 peak engine horsepower, greater traction with reduced compaction enhanced LED lighting to extend daily operations into the night, and a new hood that provides both improved service access and

a signature new look that designates new levels of technology and performance that Case IH strives to provide its customers.

“From Farm Machine 2024, to ASABE and now Good Design, Case IH is being recognized for the innovations we’re making to serve farmers,” added Harris. “Awards are nice, but we never stop at ‘good enough’. Evolution is in our blood at Case IH, and we are honored to receive recognition from prestigious organizations like Good Design.”

Press releases and photos: <https://www.caseihmediacentre.com/>

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More information on Case IH products and services can be found online at <https://www.caseih.com>

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2023 In Review: Top 8 News Impacting Africa's Fresh Produce Export Industry

The first half of 2023 witnessed a series of pivotal moments that have set the course for the future of Africa's fresh produce sector. From innovative freight solutions to lifting existing bans, the industry experienced significant events that will have a lasting impact on its growth and performance in the years to come. In this article, we delve into the top eight stories that dominated headlines, capturing the attention of industry players and observers alike.

1. Kenya launches direct flights to boost exports to Israel

In May 2023, Kenya's Agriculture Cabinet Secretary (Mithika Linturi,) emphasised the significance of this move to allow the industry to grow by increasing flights to allow more export of fruits and vegetables. The country aims to boost its exports to Israel, particularly in the horticulture sector, by leveraging recently established direct flights between the two countries. The flight is expected to reduce travel time to Israel from 24 to 5 hours.

2. Tanzania Regains Eligibility to Export Bitter Gourd Fruit to EU Market

In November 2022, European Commission suspended exports of Tanzania's bitter

gourd fruit into the EU market, citing the detection of quarantine pests, and demanding the country present the pest surveillance report proving the absence of Thrips palmi Karny. However, in May 2023, after a comprehensive analysis of Tanzania's pest surveillance report, the Plant Health Unit under the European Commission declared Tanzania to be eligible to export bitter gourd fruit to the EU under condition (a) of point 71 of Annex VII of Commission Implementing Regulation (EU) 2019/2072.

This was an important milestone in the phytosanitary certification system in compliance with the EU phytosanitary requirements, and Tanzania is, therefore, eligible to export bitter gourd fruit to the EU again.

3. Kenya Lifts Ban on Exporting Unprocessed Macadamia Nuts for Increased Market Access.

In 2009, President William Ruto, as the then Minister of Agriculture, banned the export of unprocessed macadamia nuts to allow local processors access to larger quantities of the raw material which in turn would create jobs in this labour-intensive sector. Fast forward to April 2023, the

government has backtracked on this directive, lifting the ban for one year. According to Kenya's Trade and Investment Cabinet Secretary Moses Kuria, lifting this ban would open marketing outlets for growers and allow competitiveness so that farmers can sell to the highest bidders.

4. Zimbabwe Approved to Export Fresh Citrus Fruits to China

In January 2022, the two countries signed an export protocol agreement to export fresh citrus fruits from Zimbabwe to China. The agreement would allow fresh citrus including sweet orange, mandarin, grapefruit, lemon, and lime, to enter China. However, exporters must have had to be registered with the Ministry of Land, Agriculture, Fisheries, Water Resources and Rural Development of the Republic of Zimbabwe, and jointly approved by the General Administration of Customs of the People's Republic of China and MLAFWRD.

Further into 2023, on June 1st, the General Administration of Customs of China released the list of registered Zimbabwean orchards and packhouses for citrus exporting to China. A total of 11 citrus orchards and six citrus packhouses in Zimbabwe were listed among



those that will be involved in citrus exports to China, making Zimbabwe the fifth African nation to be approved to export a fresh fruit product to China. The list was based on a set of relevant provisions for quarantine control of these pests, which include specific cold chain protocol regarding pulp temperature, pre-cooling and contingency requirements if the cold treatment period is broken.

5. Kuehne and Nagel Acquires Morgan Cargo

Kuehne and Nagel, a leading logistics provider, recently made a significant move in the African fresh produce sector by acquiring Morgan Cargo. This strategic acquisition aims to strengthen Morgan Cargo's presence and capabilities in Africa, offering improved freight services and support for the region's growing produce industry. With this acquisition, Kuehne and Nagel aim to expand their network and enhance their ability to handle fresh produce transportation, storage, and distribution across Africa. french beans in a packhouse, processed for export

6. Shortage of Fresh Food Hits UK Supermarkets

UK supermarkets are facing a concerning problem as they grapple with a shortage of fresh food. This issue has been attributed to a combination of factors, including supply chain disruptions, labour shortages, and increased demand. As a result, store shelves are struggling to remain stocked with a variety of fresh produce, impacting both consumers and retailers alike. The availability of specific fresh vegetables and fruits in the UK is limited due

to an unfortunate combination of factors. Poor weather conditions have resulted in reduced harvests in Europe and North Africa, affecting the supply of these produce items. Additionally, UK and Dutch producers have faced challenges as increased energy costs to heat glasshouses have led to lower supplies.

7. Rationing Measures and Farming Crisis Hit UK Supermarkets

Fresh fruit and vegetable shortages have resulted in rationing measures at major UK supermarkets. As a consequence of poor foreign harvests and domestic farming crises, Asda and Morrisons are implementing restrictions on the purchase of specific items, including tomatoes, cucumbers, lettuce, and peppers. These limitations are expected to remain in place for several weeks. The decline in fresh produce from Spain and North Africa due to flooding and cold temperatures, combined with high energy prices affecting UK farmers, has contributed to the scarcity. During the winter and spring, when the UK only produces a small portion of its own fresh produce, imports play a critical role in supermarket stocks. Moroccan authorities have also restricted exports of certain vegetables and potatoes due to concerns about their own food security.

8. Load Shedding's Devastating Impact on South Africa's Citrus Industry

Load shedding has had a significant negative effect on agriculture in South Africa, since like in many African countries, the sector heavily relies on the national grid for

producing and processing goods for both local and international markets. Electricity plays a crucial role on farms, particularly in powering irrigation systems, post-harvest cooling, and more, making the reliability of the national grid vital. Therefore, load shedding has a devastating impact on agriculture, particularly in South Africa. Reports from May showed that load shedding put the electricity-dependent citrus industry under a lot of strain, including delayed shipments, thanks to delays in packing and shipping, both processes that require electricity.

Across South Africa, farmers have had to resort to alternative power sources, such as generators, inverters and solar PV, to stay operational during ongoing power cuts, but this has become another financial burden. All of these have come at an additional cost at a time when their profit margins have been squeezed due to a hike in input costs, transport and shipping prices. In conclusion

The first half of 2023 brought significant developments in Africa's fresh produce sector, with notable events shaping its future. Kenya's launch of direct flights to Israel aimed at boosting fruit and vegetable exports highlighted the industry's growth potential. Tanzania's regained eligibility to export bitter melon fruit to the EU marked an important milestone in meeting phytosanitary requirements. Additionally, Zimbabwe's approval to export fresh citrus fruits to China solidified its position as the fifth African nation to enter the Chinese market.



Oxford Business Group Outlines OCP's Role in Leveraging Africa's Agriculture

The development of African agriculture has become a priority for many agri-focused organizations and foundations seeking to contribute to boosting food security on the continent, which is home to 60% of the world's remaining arable land.

Morocco's fertilizer giant OCP has been among the top organizations emphasizing their commitment to contribute to the continent's development through different initiatives tailored to tackle the most prevalent challenges hampering sustainable development goals to make Africa as self-sufficient as possible for food and natural resources. The 2023 Oxford Business Group's (OBG) Report, with a focus on African agriculture, has outlined some of OCP's initiatives – including Agribooster, which was developed by the group's OCP Africa subsidiary.

One of the initiatives highlighted in the report, developed in collaboration with OCP Group, is the Agribooster programme by OCP Africa. The program, which was initially introduced in 2016 in Cote d'Ivoire, aimed at boosting food production in the African country while providing support for farmers in every aspect of the agricultural value chain.

Agribooster momentum

"The Agribooster programme operates with a farmer-centered market development model, aiming to equip agricultural workers with the necessary resources and training, ultimately leading to higher crop yields, and improved livelihoods," the Oxford Business Report said. It also acknowledged the benefits stemming from the initiative,

especially during the COVID-19 pandemic, where it helped mitigate the repercussions of the health crisis on Africa's agriculture sector and to meet the continent's pressing food needs.

Sharing data reflecting the initiative's beneficial role, the report said that Agribooster's initiatives during the pandemic reached over 350,000 smallholder farmers in different countries, notably Cote d'Ivoire, where OCP Africa partnered with the Emergency Rice Program to bolster food security and augment rice production in the country.

The success of the program enabled its expansion in five countries, including Nigeria, Ghana, Kenya, and Senegal, benefitting over 780,000 farmers by 2021. The contribution of the program continued in 2022, reaching 222,000 farmers in that year alone. This included its contribution to providing agricultural practices training to 30,000 smallholder farmers in Ghana.

Women-Focused Agribooster

Beyond its interest in helping smallholder farmers, OCP Africa also launched an Agribooster program that is specifically designed to empower women.

The Women in Agribooster (WIA) initiative came to life in 2020 and included 5,000 female farmers during its inaugural year. The number of participants, however, more than doubled to reach 13,000 women in Ghana and Nigeria in 2021.

"The programme is designed to empower women farmers

by enhancing their agricultural knowledge and providing tailored training," the report explains. The year 2022 marked the expansion of the program to include the registration and training of 25,000 women. It also contributed to an increase in women farmers' yield from 1.9 to 4 tonnes per hectare.

The program also facilitates partnership between local startups, with the goal to assist female farmers to benefit from different features, including more modern harvesting machines.

"To further amplify the reach of WIA programme, OCP Africa implemented a Training of Trainers initiative in Ghana in 2022," the report added, emphasizing that the program targeted 15 field officers selected from three women's cooperatives to boost their capacity to serve farmers in their communities, as well as equipping them with essential business skills like data collection.

The fruitful 'Al Moutmir' initiative

Another significant initiative is the Al Moutmir project, which OCP introduced in 2018 seeking to prioritize promoting optimal agricultural, technical, and governance practices.

"The project invests in technical reinforcement programmes for women, enabling them to enhance farm productivity, financial and project management skills, and sales expertise," the report quoted Nawfel Roudies, head of Al Moutmir Business Unit within Mohammed VI Polytechnic University, as saying..

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South Africa Hopes To kick Off Avo Exports to China By February 2024

South Africa hopes the requisite protocols will be in place by February next year to start exporting avocados to China.

The Southern Africa chapter of the International Fresh Produce Association unpacked what China might mean for South African avocados which for years have been overexposed to the UK and European Union which in turn are overexposed to oversupply from ten countries, dominated by Peru.

Mabel Zhuang, IFPA China country manager, told the webinar that China's avocado

imports over the nine months of January to September this year (50,000 tonnes) already exceeded all of the avocados imported last year. China's per capita avocado consumption is currently a miniscule 100g of avocado per year, according to the World Avocado Organisation's figures.

"Chinese customers will expect good quality fruit from South Africa."

Roger Armitage, managing director of Halls, noted that the industry had worked very hard to get to this point.

"The biggest challenge from a South African manager Lifan Yu, gave an overview of the company's ripening facility in Shanghai. "We are quite happy to add quality South African fruit.

Chinese customers will expect good quality fruit from South Africa."

Maybe 5 to 10% of our volumes would be a realistic goal for us to understand the market and to make sure we're in the right place at the right time, and understand what our competitors are doing there."

Clive Garrett, South Africa's representative at the World Avocado Organisation, remarked that a lot would depend on the demand from China.

Kenya jumps to China's second largest avo supplier
The performance of Kenyan avocados on the Chinese market is highly encouraging to South African avocado growers.

In terms of both volume and value, Mabel Zhuang's presentation showed, Kenya has surged to second place among the small number of countries – nine – allowed to supply China with avocados.

Maybe 5 to 10% of our volumes would be a realistic goal for us to understand the market and to make sure we're in the right place at the right time, and understand what our competitors are doing there."

producer's point of view is going to understand the protocol which does involve methyl bromide, to ensure we can pack up the fruit quickly enough to be fumigated at temperature and then brought down through the cold chain.

That's going to be critical to land hard, fresh and green fruit in China." His colleague at Halls China, commercial



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Kenya jumps to China's second largest avo supplier
The performance of Kenyan avocados on the Chinese market is highly encouraging to South African avocado growers.

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Source: IFPA China presentation

Kenya is still miles off Peru: from January to September 2023 Peru exported avocados worth over \$105 million; the value of Kenyan avocados in only their second year of export was \$7.6 million, a smidgen ahead of Chile which dropped back hard.

Location location location
Kenya's location on the East African coast, facing China across the Indian Ocean, accounts for its quick success in China.

"South Africa is ideally located to serve South East Asia," remarked Clive Garrett, South Africa's representative at the World Avocado Organisation.

South Africa's avocado crop - of which 52% are grown in Limpopo Province - runs from March to September

Garrett stated that vessels complete the 12,200 km journey from South Africa to Singapore in approximately 15 days and that it takes 35 days on average to traverse the sea route of 26,600km from Peru to Singapore.

Most South African avocados leave through Cape Town for Europe, but Durban is the natural choice towards the East.

Clive put the shipping time between Durban and Shenzhen at 17 to 24 days, depending on the shipping line.

"I think getting to understand the logistics chain from the East Coast will be important," Halls' Armitage posited.

The young generation consumes avo as a drink or dessert
Elena Huang, marketing manager Shanghai Supafresh (which, eleven years ago, brought in the first container of avocados from Mexico), explained how the company ripens avocados to fit their clients' needs.

Their clients in food services were asking for more and more avocados, she said, and Supafresh was assisting them in recipe development for "a more Chinese way of consuming it".

"In China we have a quite different way of avocado applications. Use it to make a burger to replace the bun, avocado on pizza and avocado with coffee – that's a new thing."

Right: an avocado coffee

smoothie (photo 229983393 © | Dreamstime.com)

Avocado has become a regular smoothie ingredient, especially in tier 1 and tier 2 cities, she said, noting that some of their customers stored puréed avocado to mix with fresh avocado, while others used only fresh avocados. Demand for frozen avocado rarely came across their desk.

"The young generation consumes avocado not as a savoury food, but as a drink or a dessert," Huang told the webinar.

"The demand from this kind of customer is increasing. They want us to deliver more avocados to their stores."

Manager for South African products at Yonghui Superstores, Lynn Yang, confirmed the opportunity for South African avocados.

The company sells 20 million RMB of ripe-and-ready avocados per year.

Building trust among Chinese receivers would be the top priority, Dukes added. "We cannot afford bad first impressions and we cannot afford to fall short of expectations."

For more information:
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New Alliance For Special Agro-Industrial Processing Zones Commits \$3 bn Investment To Boost African Agriculture And Food Production

AFRICA'S INVESTMENT MARKET PLACE

Founding members of a new private-sector focused Alliance for Special Agro-Industrial Processing Zones (SAPZ) have announced \$3 billion in new investment to transform Africa's underdeveloped rural areas into agro-industrial corridors of prosperity.

The Alliance, comprising development financial institutions, the private sector and development-oriented technical partners, will also help streamline the development and delivery of SAPZ projects.

The new commitments consist of \$1.1 billion by the African Development Bank Group, \$1 billion by Afreximbank, \$300 million by the Islamic Development Bank Group (IsDB) and \$600 million from Arise Integrated Industrial Platforms (Arise IIP) and its partners.

Dr. Akinwumi A. Adesina, President of the African Development Bank Group, said, "The Alliance will raise funds through various investment windows for project preparation,

project development and construction, and financing for tenant companies."

"By doing so, the Alliance will bridge the critical financing gap, complement existing initiatives, and mobilise resources towards our common goal of enhancing agricultural value addition in Africa", Adesina added.

The Alliance was launched at the 2023 Africa Investment Forum Market Days the continent's premier investment marketplace in Marrakech, Morocco on Wednesday. During the launch session, founding members discussed how the SAPZ model could impact Africa's agro-industrialisation process.

"The beauty of this Alliance is that it brings together a lot of different, diverse players this is just a start and others will join us," said Dr. Beth Dunford, African Development Bank Vice President for Agriculture, Human and Social Development.

Special Agro-Industrial Processing Zones stimulate

structural transformation in agriculture by connecting rural and urban development through the zone's ecosystem. These zones integrate smallholder farmers into value chains through logistics and infrastructure, linking them to agro-industrial processors and consumer markets.

Prof. Benedict Oramah, President and Chairman of the Board of Directors of Afreximbank, welcomed the emergence of the Alliance and suggested that, to attract the private sector, the creation of continental regulatory bodies that countries could respect should be considered. "Projects of this nature are very visible," he explained.

According to the Alliance members, meeting this financing goal will deliver an additional 15 to 20 SAPZ projects in various countries across the continent and improve administrative, policy and investment incentives.

"Financing alone has never been enough to develop," said Eng. Hani Sonbol, CEO of the International Islamic Trade



Finance Corporation and acting CEO of the Islamic Corporation for the Development of the Private Sector, representing IsDB President Dr. Muhammad Al Jasser. "Strengthening food sovereignty in Africa will require us to think differently in terms of investment. We look for self-sufficiency, climate change and adaptation, and how to attract private sector involvement", he said.

Arise IIP CEO Gagan Gupta underlined the need for infrastructure around the zones that reflects the need of these communities, including housing, transportation, health and extension services. "These zones rely on the governments for policy frameworks, supporting infrastructure, and training and vocational centres," he said.

The United Nations Industrial Development Organization (UNIDO) brings on its part to the Alliance a wealth of technical assistance knowledge, practical experience, tools and methodologies.

"We have a lot of experience in developing, planning and implementing industrial parks and special economic zones," said Gunther Beger, UNIDO Managing Director of the Directorate for Sustainable Development Goals, Innovation and Economic Transformation. "The Alliance presents a completely new approach to transform Africa's agro-food system. This is a much-needed partnership of financial institutions, public and private sector players," he added.

Across the continent, the African Development Bank has already committed \$853



million to develop more than two dozen Special Agro-Industrial Processing Zones in 11 countries. This investment has attracted \$661 million in cofinancing from Bank partners.

Professor Oyebanji Oyelaran-Oyeyinka, Senior Special Advisor to Dr. Adesina, concluded: "SAPZ is a tool designed to achieve the twin objectives of structural transformation and rural development through agro-industrialisation."

Prior to the panel discussion, Mr. Ryad Mezzour, Minister of Industry and Trade, Kingdom of Morocco, called on large private sector companies to become tenants in SAPZ. "You need a company that can bring

the others – that integrates this area."

Rwanda's Minister of State for Treasury, Richard Tusabe, said: "Special Agro-Industrial Processing Zones will give us a chance to mass produce the food we need to feed our population. We need to feed our people there is no shortcut."

The Africa Investment Forum draws African heads of government, investors, transaction sponsors and development financial institutions. The Forum also includes boardroom sessions that showcase billions of dollars in agribusiness, transport and energy deals, among other critical sectors, to investors.

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In response to a regression of aquaculture production levels over the past seven years, Nigeria is teaming up with development partners to implement a catfish farming project aiming to reverse the downward trend.

In response to a regression of aquaculture production levels over the past seven years, Nigeria is teaming up with development partners to implement a catfish farming project aiming to reverse the downward trend.

Aquaculture production in the West African nation hit an all-time high of about 316,000 metric tons (MT) in 2015 but gradually declined to 290,000 MT in 2019 before spiraling to 261,700 MT in 2020, according to the Food and Agriculture Organization (FAO). Experts have attributed these falling aquaculture output figures to increased production costs and a decline in domestic seafood demand due to persistently high inflation levels and devaluation of the local currency.

The high costs of production – especially in regard to accessing affordable, high-quality fish feed – have forced many Nigerian fish farmers to switch to inferior

feed over the past decade, resulting in decreased harvest sizes and overall output.

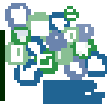
These factors have led the Nigerian government and partners such as the FAO; the E.U.; the Organization of African, Caribbean, and Pacific States (OACPS); and the German Federal Ministry for Economic Cooperation and Development (BMZ) to collaborate on a catfish-farming project titled FISH4ACP, with the objective of strengthening Nigeria's aquaculture sector – Africa's second-biggest aquaculture producer after Egypt.

"FISH4ACP aims to stimulate Nigeria's catfish sector by improving access to key export markets, enhancing productivity, and supporting domestic production of high-quality fish seed and feed," the FAO said. "Increasing competitiveness through marketing and product

diversification is high on the agenda, while special attention will also be given to the environmental sustainability of farming practices."

Among several objectives, the partners, together with Nigeria's Federal Ministry of Agriculture and Food Security, aim to grant Nigerian fish farmers access to affordable, high-quality feed through a credit scheme under which repayment is due only after farmers harvest and sell their products.

"Nigeria wants to become more self-sufficient in fish production, as demand for fish significantly exceeds domestic production," FAO said. "It prioritizes aquaculture, because of its potential to create jobs and business opportunities, in particular for women and youth."



Business DIRECTORY



Listings

Agricultural Consultancies

- ICS France
- Valtra Inc. - Africa

Agricultural Equipment - General

- Alvan Blanch Development Ltd.
- Baldan/Pan Trade Services Ltd.
- Bentall Rowlands Storage Systems Ltd.
- Briggs & Stratton AG
- Case IH
- Deutz-Fahr
- Eurodrip SA
- Fairtrade GmbH & Co. KG
- ICS France
- Micron Group
- New Holland Agriculture
- Nogueira/Pan Trade Services Ltd.
- SAME
- Valtra Inc. - Africa

Agricultural Projects

- Bentall Rowlands Storage Systems Ltd.
- Eurodrip SA
- ICS France
- Symaga SA

Animal Health Products

- BioPoint
- Socorex Isba SA

Applicators for Granular Insecticides, Herbicides

- Guarany Ind. Com. Ltd.

Automatic Chain Feeders

- Big Dutchman International GmbH

Bagging plant

- Bentall Rowlands Storage Systems Ltd.

Bale Handling Equipment

- Nogueira/Pan Trade Services Ltd.

Biofuel/Biodiesel

- Bentall Rowlands Storage Systems Ltd.

Briquetting Plants

- Alvan Blanch Development Ltd.

Bulk Storage Equipment

- Alvan Blanch Development Ltd.
- Bentall Rowlands Storage Systems Ltd.
- Chief Industries UK Ltd.

- KEPLER WEBER
- Symaga SA
- The GSI Group South Africa (Pty) Ltd.

Cages & Batteries

- Big Dutchman International GmbH

Cassava Processing Equipment

- Alvan Blanch Development Ltd.

Centre Pivot Equipment

- Valmont Irrigation

Cocoa Production

- Alvan Blanch Development Ltd.

Coffee Processing, Handling & Storage

- Swingtec GmbH

Computers & IT Equipment

- Big Dutchman International GmbH

Conveyors and Elevators

- Awila Anlagenbau GmbH
- Big Dutchman International GmbH
- KEPLER WEBER
- Lubing Maschinenfabrik
- GmbH & Co. KG

Coolers - Environmental

- Big Dutchman International GmbH

Coolers - Evaporative

- Lubing Maschinenfabrik
- GmbH & Co. KG

Cotton Handling & Storage

- Swingtec GmbH

Crop Drying and Ventilation

- Alvan Blanch Development Ltd.
- The GSI Group South Africa (Pty) Ltd.

Crop Handling & Storage

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- Chief Industries UK Ltd.
- Griffith Elder & Co. Ltd.
- Swingtec GmbH

Crop Protection Equipment

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- Jacto/Pan Trade Services Ltd.
- Swingtec GmbH

Cultivators

- Baldan/Pan Trade Services Ltd.
- LEMKEN GmbH & Co. KG
- Poettinger

Cultivators - Tined

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- Maschio Gaspardo S.p.A

Disinfectants

- Intraco Ltd. n.v

Drills

- Maschio Gaspardo S.p.A

Drinking Systems

- Big Dutchman International GmbH
- Fairtrade GmbH & Co. KG
- Lubing Maschinenfabrik
- GmbH & Co. KG

Dryers

- Alvan Blanch Development Ltd.

Egg Collection

- Big Dutchman International GmbH

Egg Layer Breeding Stocks

- Lohmann Tierzucht GmbH

Egg Layer Parent Breeders - Brown

- Lohmann Tierzucht GmbH

Egg Layer Parent Breeders - White

- Lohmann Tierzucht GmbH

Egg Layers

- Lohmann Tierzucht GmbH

Exhibitions and Conferences

- Fairtrade GmbH & Co. KG

Extruders for Food, Feed

- Alvan Blanch Development Ltd.

Feed Additives

- BioPoint

- Coprex
- Evonik Industries AG
- Intraco Ltd. n.v
- OLMIX
- Varied Industries Corporation (Vi-COR®)

Feed Concentrates

- Intraco Ltd. n.v

Feed Growth Promotant Probes

- Varied Industries Corporation (Vi-COR®)

Feed Ingredients

- Coprex
- Intraco Ltd. n.v

Feed Premixes

- Coprex
- Intraco Ltd. n.v

Feed Processing Plants

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- Bentall Rowlands Storage Systems Ltd.

Feed Supplements

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Feeding Systems

- Big Dutchman International GmbH

Fertiliser Spreaders

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- Guarany Ind. Com. Ltd.
- Maschio Gaspardo S.p.A
- PICHON

Fertilisers

- Hebei Monband Water Soluble
- Fertilizer Co. Ltd.
- Omex Agrifluids Ltd.

Fish Farming

- Socorex Isba SA

Fish Feeds - General

- Alvan Blanch Development Ltd.

Fogging Machines

- Big Dutchman International GmbH
- Swingtec GmbH

Foliar Fertilisers

- Hebei Monband Water Soluble
- Fertilizer Co. Ltd.
- Omex Agrifluids Ltd.

Food Processing Equipment

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Forage Harvesters

- Case IH
- New Holland Agriculture
- Nogueira/Pan Trade Services Ltd.
- Poettinger

Forestry Equipment

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- Guarany Ind. Com. Ltd.
- Valtra Inc. - Africa

Fruit Processing

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Generating Sets

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Genetic Research

- Lohmann Tierzucht GmbH

Grain - Drying & Ventilation

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- Bentall Rowlands Storage Systems Ltd.
- Chief Industries UK Ltd.
- KEPLER WEBER

Grain - Handling, Cleaning & Processing

- Alvan Blanch Development Ltd.
- Awila Anlagenbau GmbH
- Bentall Rowlands Storage Systems Ltd.
- Chief Industries UK Ltd.
- F.H. Schule Muehlenbau GmbH
- KEPLER WEBER
- Privé SA

Grains, Grain Projects & Edible Oils

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Grasscutting Machines - Forage

- Bomford
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- Poettinger

Grasscutting Machines - Lawn

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Groundnut Handling Equipment

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Harrows

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- John Deere (Pty) Ltd.

Harvesting Equipment

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- Bentall Rowlands Storage Systems Ltd.
- Deutz-Fahr
- John Deere (Pty) Ltd.
- New Holland Agriculture
- Nogueira/Pan Trade Services Ltd.
- Bomford

Horticultural Equipment & Machinery

- Guarany Ind. Com. Ltd.
- ICS France
- Micron Group
- Swingtec GmbH

Horticultural Fertilisers

- Hebei Monband Water Soluble
- Fertilizer Co. Ltd.

Integrated Pest Management

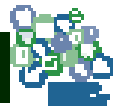
- Omex Agrifluids Ltd.
- Swingtec GmbH

Irrigation & Drainage Systems

- Valmont Irrigation

Irrigation Equipment

- Eurodrip SA
- ICS France
- Valmont Irrigation



Maize Shellers

- Alvan Blanch Development Ltd.
- Bomford
- Nogueira/Pan Trade Services Ltd.

Manure Composters & Dryers

- PICHON

Material Handling

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- PICHON

Material Handling - Bulk

- Bentall Rowlands Storage Systems Ltd.

Medicators

- Big Dutchman International GmbH

Micronutrients

- Omex Agrifluids Ltd.

Milk Replacers

- Coprex

Milling & Mixing

- Alvan Blanch Development Ltd.
- Big Dutchman International GmbH

Mills

- Alvan Blanch Development Ltd.
- Big Dutchman International GmbH
- Privé SA

Mills - Grain

- Bentall Rowlands Storage Systems Ltd.
- F.H. Schule Muehlenbau GmbH
- Nogueira/Pan Trade Services Ltd.
- Privé SA
- Silos Cordoba S.L.

Mills - Hammer

- Awila Anlagenbau GmbH
- Nogueira/Pan Trade Services Ltd.

Monitoring Equipment

- Valmont Irrigation

Oil Extraction Equipment

- Alvan Blanch Development Ltd.

Packaging Machinery

- Fairtrade GmbH & Co. KG

Palletizers

- Big Dutchman International GmbH

Pelleting

- Alvan Blanch Development Ltd.
- Awila Anlagenbau GmbH

Pig Equipment

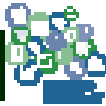
- Big Dutchman International GmbH
- Lubing Maschinenfabrik GmbH & Co. KG
- Symaga SA

Pig Feeding/Drinking Equipment

- Big Dutchman International GmbH
- The GSI Group South Africa (Pty) Ltd.

Pig Flooring

- Big Dutchman International GmbH



Pig Health Products

- OLMIX
- Socorex Isba SA

Pig Housing

- Big Dutchman International GmbH
- Silos Cordoba S.L.

Plant Protection Chemicals

- Omex Agrifluids Ltd.

Planters

- Baldan/Pan Trade Services Ltd.
- John Deere (Pty) Ltd.
- Poettinger

Plastic Flooring, Poultry

- Big Dutchman International GmbH

Ploughs - Disc

- Baldan/Pan Trade Services Ltd.
- Vellag Ltd.

Ploughs - Mouldboard

- John Deere (Pty) Ltd.
- LEMKEN GmbH & Co. KG
- Poettinger

Poultry Consultancy Services

- BioPoint

Poultry Equipment - Drinking

- Big Dutchman International GmbH
- Lubing Maschinenfabrik GmbH & Co. KG
- Silos Cordoba S.L.
- The GSI Group South Africa (Pty) Ltd.

Poultry Equipment/Handling

- Bentall Rowlands Storage Systems Ltd.

Poultry Feeding

- Bentall Rowlands Storage Systems Ltd.
- Big Dutchman International GmbH

Poultry Health Products

- BioPoint
- OLMIX

Poultry Housing

- Big Dutchman International GmbH
- Silos Cordoba S.L.
- Symaga SA

Public Health

- Guarany Ind. Com. Ltd.
- Swingtec GmbH

Pumps

- Briggs & Stratton AG

Rice Parboilers

- F.H. Schule Muehlenbau GmbH/SAME
- Rice Processing & Milling Equipment
- Alvan Blanch Development Ltd.
- Bentall Rowlands Storage Systems Ltd.
- F.H. Schule Muehlenbau GmbH

Rice Threshers

- Nogueira/Pan Trade Services Ltd.

Roll-out Nests

- Big Dutchman International GmbH

Seed

- ICS France

Seed Cleaning Equipment

- Alvan Blanch Development Ltd.

Seed Planting Equipment

- Baldan/Pan Trade Services Ltd.
- LEMKEN GmbH & Co. KG

Silos

- Alvan Blanch Development Ltd.
- Awila Anlagenbau GmbH
- Bentall Rowlands Storage Systems Ltd.
- Big Dutchman International GmbH
- Chief Industries UK Ltd.
- KEPLER WEBER
- Privé SA
- Silos Cordoba S.L.
- Symaga SA
- The GSI Group South Africa (Pty) Ltd.

Slurry Disposal

- PICHON

Soluble Fertilisers

- Hebei Monband Water Soluble
- Fertilizer Co. Ltd.
- Omex Agrifluids Ltd.

Spare Parts for Fork Lift Trucks

- Vellag Ltd.

Sprayers

- GOIZPER GROUP
- Guarany Ind. Com. Ltd.
- Jacto/Pan Trade Services Ltd.
- LEMKEN GmbH & Co. KG
- Maschio Gaspardo S.p.A

Sprayers - Crop

- GOIZPER GROUP
- Guarany Ind. Com. Ltd.
- Jacto/Pan Trade Services Ltd.
- Micron Group

Spraying Nozzles & Components

- GOIZPER GROUP
- Guarany Ind. Com. Ltd.
- Jacto/Pan Trade Services Ltd.
- Micron Group

Stored Products Protection

- Swingtec GmbH

Sugar Cane Equipment

- Case IH

Sugar Cubing Machinery

- Valtra Inc. - Africa

Threshing Machines

- Nogueira/Pan Trade Services Ltd.

Tillage

- LEMKEN GmbH & Co. KG
- Maschio Gaspardo S.p.A

Trace Elements

- Hebei Monband Water Soluble

- Fertilizer Co. Ltd.
- OLMIX
- Omex Agrifluids Ltd.

Tractors

- Case IH
- Deutz-Fahr
- John Deere (Pty) Ltd.
- New Holland Agriculture
- SAME
- Valtra Inc. - Africa
- Vellag Ltd.

Tractors - Spare Parts/Attachments

- Case IH
- Deutz-Fahr
- New Holland Agriculture
- SAME
- Vellag Ltd.

Trade Shows

- Fairtrade GmbH & Co. KG

Traders in Agricultural Equipment, General

- Vellag Ltd.

Turnkey Operations

- Bentall Rowlands Storage Systems Ltd.

Turnkey Operations

- Agricultural/Industrial Schemes
- Bentall Rowlands Storage Systems Ltd.
- Valmont Irrigation

ULV Spraying Equipment

- GOIZPER GROUP
- Guarany Ind. Com. Ltd.
- Swingtec GmbH

Vacuum Cleaners

- PICHON

Ventilating Equipment

- Big Dutchman International GmbH

Veterinary Products/Equipment - General

- Socorex Isba SA

Waste Disposal Equipment

- Big Dutchman International GmbH

Weed Control

- GOIZPER GROUP

Weighers - Animal

- Big Dutchman International GmbH
- Griffith Elder & Co. Ltd.

Weighers - Grain

- Griffith Elder & Co. Ltd.

Weighing - Sack Filling

- Alvan Blanch Development Ltd.
- Griffith Elder & Co. Ltd.

Weighing Equipment

- Big Dutchman International GmbH
- Griffith Elder & Co. Ltd



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