

**Agriculture and Agro Processing Opportunities in Botswana**  
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## Overview of Agriculture in Botswana

- ✓ Dualistic Sector- consist of both subsistence farming and commercial farming
- ✓ Livestock farming: Cattle,Poultry,Small Stock, Piggery, Ostrich
- ✓ Crop Farming:Maize,Sorghum,Oil seeds,Pulses,Millet, Fruits and Vegetables
- ✓ Crop farming mostly relies on rainfall(Rains are generally low,and erratic
- ✓ Agriculture contributes approximately 2% towards the Botswana GDP,with beef production the main contributor.
- ✓ Annual shortfall/deficit on FOOD Commodities(Relies mostly on Imports) except for Beef)
- ✓ Botswana's Import bill ranges between 10-14 Billion Pula annually.



## Crop Production in Botswana- Rainfed Grains

Period	Area Planted(Ha)	Production Tonnes
2014/15	300,000	140,773
2015/16	292,033	145,629
2016/17	384,065	193,372

(Sorghum, Millet, maize, pulses, groundnuts)

- ✓ National demand of cereals :300,000 Mt
- ✓ 72%;Sorghum ( 80% of local demand)
- ✓ 17% Maize (20 % of local demand)

Mostly the shortfall is met by **Imports**.

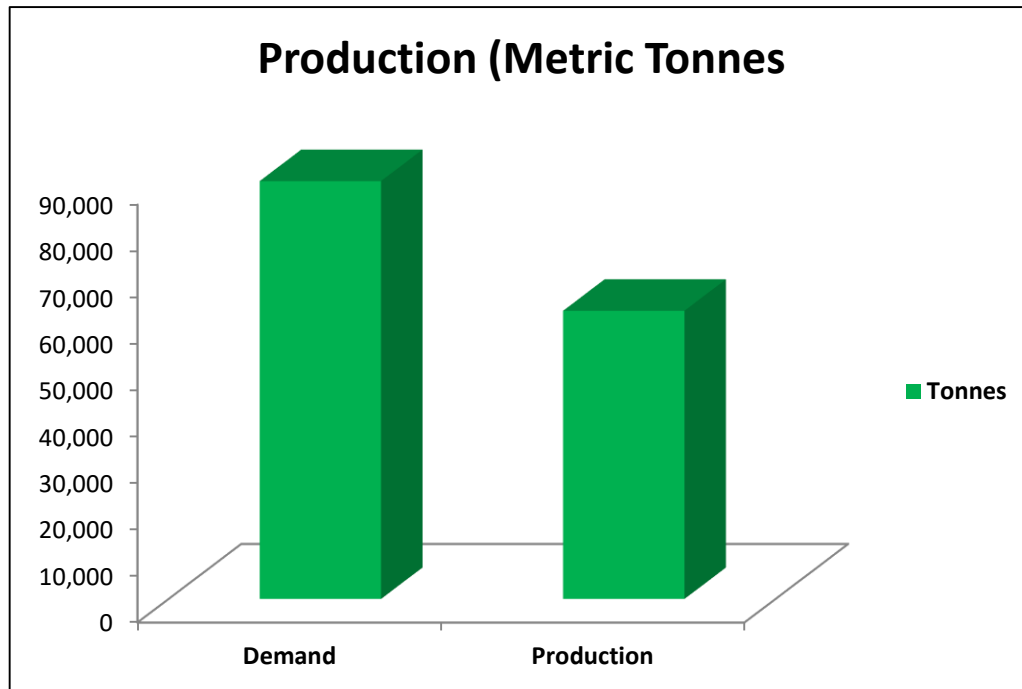
Pulses: National Demand:9000 Mt

**Production:12,399 Tonnes(2016)**

The country has Export opportunities for Pulses



## Crop Production in Botswana-Horticulture



- ✓ Local demand stands at approx.. 90,000 Mt
- ✓ Botswana imports close to P200 Mil worth of horticultural products on monthly basis
- ✓ Local production only meet 52% of the Demand
- ✓ Hectare Planted:1,947.6 Ha
- ✓ Production:62,110 tonnes
- ✓ **Imports** play a major role in sustaining the market

# Crop Production Challenges in Botswana and government Interventions

## Challenges

- Poor climatic Conditions
- Lack of tailored skills and Knowledge
- Lack of specialised Horticultural Skills
- Poor soils
- Lack of innovation and technological management skills
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## Government Interventions

- ✓ Increase of land towards crop production
- ✓ Specialized economic zones(S/Phikwe &Panda)
- ✓ Tailored programmes:ISPAAD,NAMPAAD
- ✓ Investments towards Agro-technology
- ✓ Support institutions:BAMB,CEDA,NDB,BDC

## Zambezi Integrated Agro-Commercial Development Programme

- ✓ \$780 Million Project investment
- ✓ To develop infrastructure and water system for 45 000 Ha land
- ✓ Targeted to improve the green field farming in Chobe/ Pandamatenga area
- ✓ Zambezi area is located in a tourism attraction area
- ✓ To draw 495 million cubic meters of water from Zambezi river
- ✓ Targeted Products: Cereals,Mangoes,Dairy products,pulses and fodder



## Beef Production in Botswana

- ✓ Botswana has 2.5 -2.8 Million cattle Population
- ✓ Cattle with identification and Traceability
- ✓ EU accredited export abattoirs
- ✓ 80% Communal and 20% Commercial, with feedlots capacity of 150,000 cattle
- ✓ Free range and natural farming methods.
- ✓ No artificial growth stimulants or hormones
- ✓ Constitutes 80% of the agricultural exports
- ✓ Exports to Norway,RSA and European Union
- ✓ Adherence to International Product quality standards



## Opportunities in Botswana For China-Beef Industry

- ✓ Chinese community appetite for Beef on the Increase
- ✓ Beef supply to China mainly from Brazil, Argentina and Australia
- ✓ China Beef imports clocked 2.6 Billion USD in 2017

### Opportunities

- ✓ Primary Production and Feeds Supply:
- ✓ 180,000 Mt of feeds required on annual basis, mostly imports
- ✓ Accredited Private Slaughtering Houses with Chinese sanitary Measures-for local and supply to china
- ✓ Processed meats and Canning Opportunities for both Pets and Humans
- ✓ Veterinary Medicine, Health and Services
- ✓ Livestock Feed manufacturing



# Opportunities in Botswana For China-Crop Production

Opportunities	China Interventions
<b>Improved Crop Yields</b>	<ul style="list-style-type: none"> <li>High Quality Hybrid seeds</li> <li>Slow release fertilisers</li> <li>Soil management techniques</li> <li>genetic improvements in crop varieties and breeding</li> </ul>
<b>Shelf life and storage management</b>	<ul style="list-style-type: none"> <li>Low energy drying technologies</li> <li>Canning techniques</li> <li>silo management-Biochar</li> </ul>
<b>Overall farm Productivity</b>	<ul style="list-style-type: none"> <li>Tailored advice on soil tyoes and sampling</li> <li>On-site demonstrations</li> <li>Ploughing techniques</li> <li>cluster models</li> </ul>
<b>Crop science, Technology and Innovation</b>	<ul style="list-style-type: none"> <li>grain chemistry, breeding, crop biotechnology</li> <li>Combined harvesters and Intelligent technologies</li> <li>chip-assisted genomic selections, cell engineering</li> </ul>
<b>Horticulture Development</b>	<ul style="list-style-type: none"> <li>Cultivation techniques</li> <li>energy saving lean green houses</li> <li>High and low tunnels</li> <li>Organic fertilizers</li> <li>Automated multi-spa green houses</li> <li>hybrid seeds</li> <li>Irrigation systems</li> </ul>
<b>Infrastructure and Water management systems</b>	<ul style="list-style-type: none"> <li>infrastructure investment in economic zones-Zambezi agro project</li> <li>Water pipe line and pumping techniques</li> <li>Water recycling techniques</li> </ul>





## Other Opportunities in Botswana

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- ✓ Ostrich farming ,meat and By-Products
- ✓ Honey and by-Products
- ✓ Milk and Milk by Products
- ✓ Piggery and by-Products
- ✓ Agriculture Insurance
- ✓ Poultry
- ✓ Fish Farming
- ✓ Input Supply
- ✓ Fodder Production



## Contact



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