

Ensuring the Sustainability of Agricultural Inputs to Combat Food Insecurity in Sultanate of Oman

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"Turkei-Ankara"



Introduction

- **Sultanate of Oman**, the 3rd largest country in the Arabian Peninsula
- **Population** : 4,476,806
- **Area** : 309,500 km²
- **Coastline extends about:** 3000km
- **Location:** Eastern end of the Arabian Peninsula , facing the Indian Ocean and Gulf of Oman



Climate

- Hot, humid coast;
- Hot, dry interior;
- Dry desert;
- Strong southwest summer monsoon (June to September) in far south



Water resources in Oman

- Internal renewable water resources = 985 Mm³/year
- Annual recharge to **groundwater** =1276 Mm³,
- More than 128,000 **wells** tapping major aquifers
- “**aflaj**” – traditional system uses for supplying water for crops irrigation and domestic purposes.
 - 3017 are active
 - Produce 680 Mm³ per year
 - Irrigating 26,500 hectares



Performance of Agricultural Sector in Promoting Food Security in the Sultanate of Oman



Agricultural Area (static. 2022)

Arable lands (Million hectare)		5,683,419	
Used land (Thousand Fedden)		276	
Distribution of cultivated areas	Permanent	Rainfed	-
		Irrigated	188,069
		Total	188,069
	Seasonal	Rainfed	0,245
		Irrigated	98.279
		Total	98.523
Total		3,335,920	

1 Feddan = 4200 m²

Agricultural Sector Indicators (Plant Sector) 2022

No. of holdings

166610

Total number of employs in Agriculture

376000

Total number of employs in Agriculture

30%



Agriculture Crops (2022 Statis.)

1

- **Date palm** – Main cultivated crop - 7.9 million trees - Total Yield ton 377,000 ton

2

- **Vegetables**- 69,074 Fadden – Total Yield 1,137,655 ton
 - Winter - Tomato, Cucumber, Sweet pepper, etc..
 - Summer – Water melon, Melon, Okra, etc...
 - Protected Agriculture

3

- **Fruit Crops**- 81,129 Fadden - Total Yield 473,784 ton
 - Datepalm, Banana, Coconut, Mango, Papaya, citrus, etc.

4

- **Field and Forage Crops**- 8,408 & 117,298 Fadden, respectively – Total Yield 57,711 , 1,821, 690 , respectively
 - Winter Crops:
 - Barley (Dual purpose),Wheat (grains), etc
 - Summer Crops:
 - Sorghum (forage), Maize (forage), etc.
 - Perennial forages- Rhodes grass, Alfalfa, etc.










Percent of Self-Sufficiency for the main food commodities

The main goods

% Self-sufficiency

Required orientations

Goods that achieve Partial Self-sufficiency

vegetables		77 %	<ul style="list-style-type: none">▪ Increase the supply of vegetables, fruits and eggs in local markets.▪ Enhance investment opportunities in producing, processing and marketing of dairy, poultry and red meat.
Fruits		26%	
Red meat		53 %	
Eggs		65 %	
Milk		90 %	
Poultry		60 %	
Honey		43 %	

Source: Department of planning and Agriculture and Animal Studies - Ministry of Agriculture and Fisheries

Percent of Self-Sufficiency for the main food commodities

The main goods

% Self-sufficiency

Required orientations

Goods that achieve Partial Self-sufficiency

Fisheries



216 %

- Increasing the supply of fish in the local markets
- Increase exports of refrigerated, frozen and processed fishes.

Dates

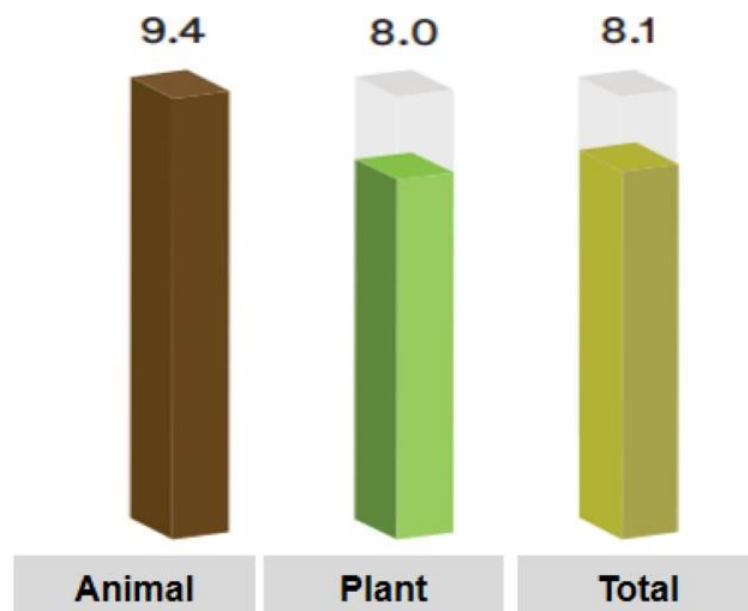


100 %

- Developing methods of packing and processing and increase supply of high quality in local markets.
- Adopt the methods of extraction and production of molasses and alcohol for domestic consumption.
- Increase Dates exports of manufactured and packaged of high quality varieties.

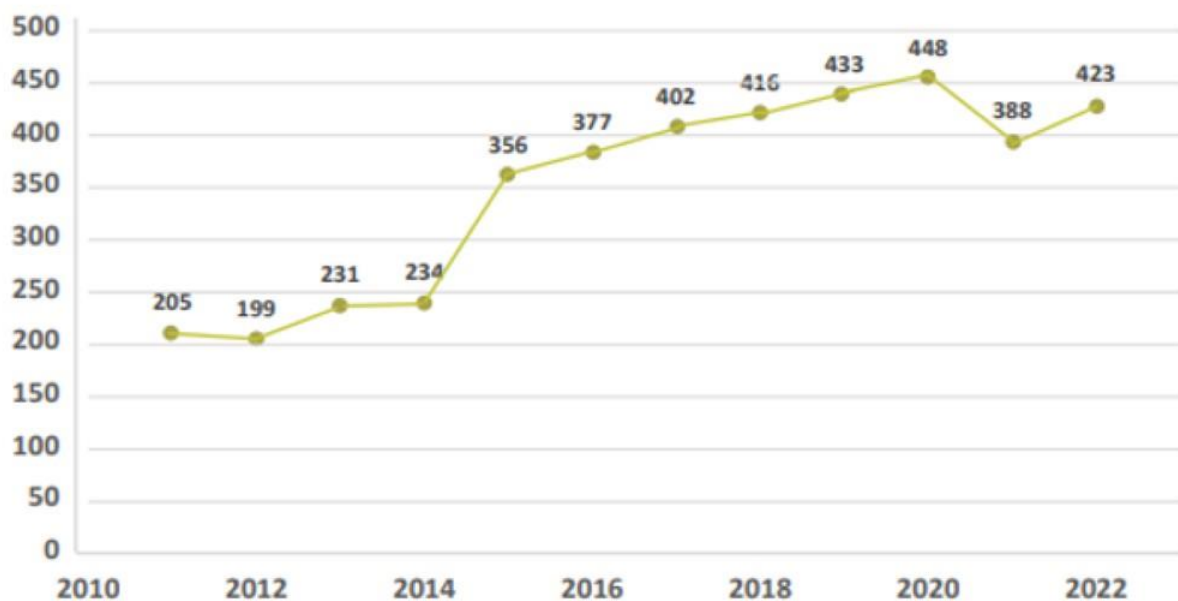
Source: Department of planning and Agriculture and Animal Studies - Ministry of Agriculture and Fisheries

Average growth rate (%) for Agriculture Sector (2011-2022)



The value of Local product for plant and Animal sector with current prices (2010-2022)

Values the product (Million R.O)



Animal Indicators (Statist. 2022)



421.21

Cows



290.23

Camels



2492.01

Goats



655.18

Cheeps



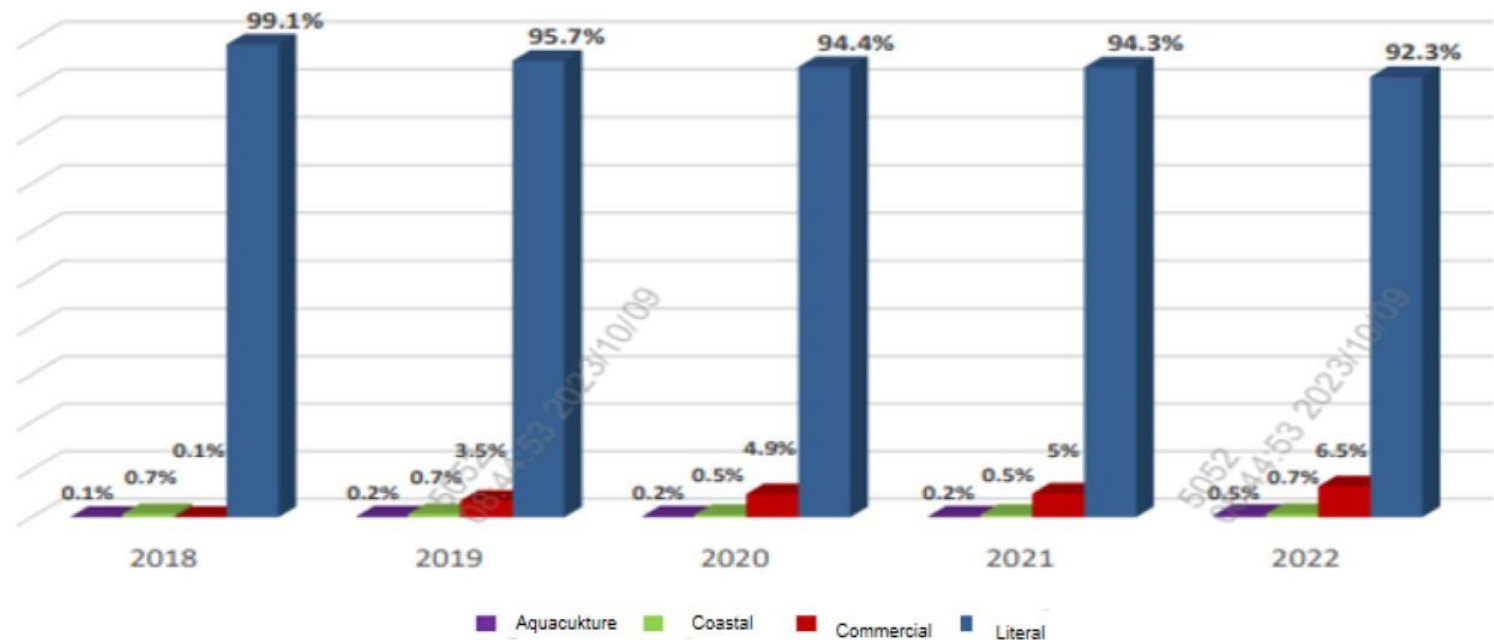
The local Production (thousand tons) for animal Products



Products	2022	2021	2020
Red Meats	49.28	48.31	47.37
Poultry Meats	132.60	130.00	130.00
Fresh Milk	223.97	219.58	215.27
Table Eggs (million)	570	521	476



Production rates by fishing sector from 2018-2023



Strategic orientations to achieve food security in the Sultanate

1

- Increase goods production of plant, animal and fisheries.

2

- The expansion in domestic and foreign investment for goods that can not be produced locally.

3

- Upgrading storage energies for basic goods and geographic expand of strategic stocks.

4

- Follow-up population growth to determine the size of future demand.

5

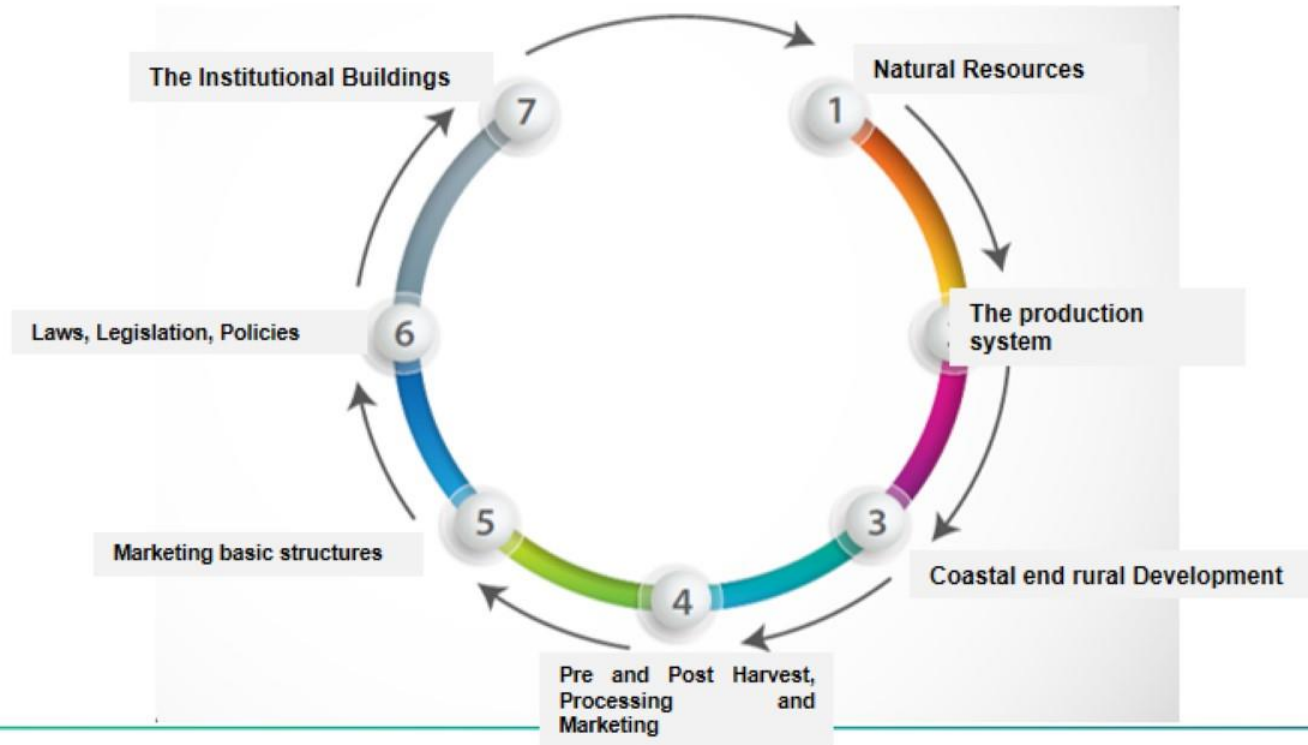
- Follow dietary consumption patterns of different population groups and linked to food production.

6

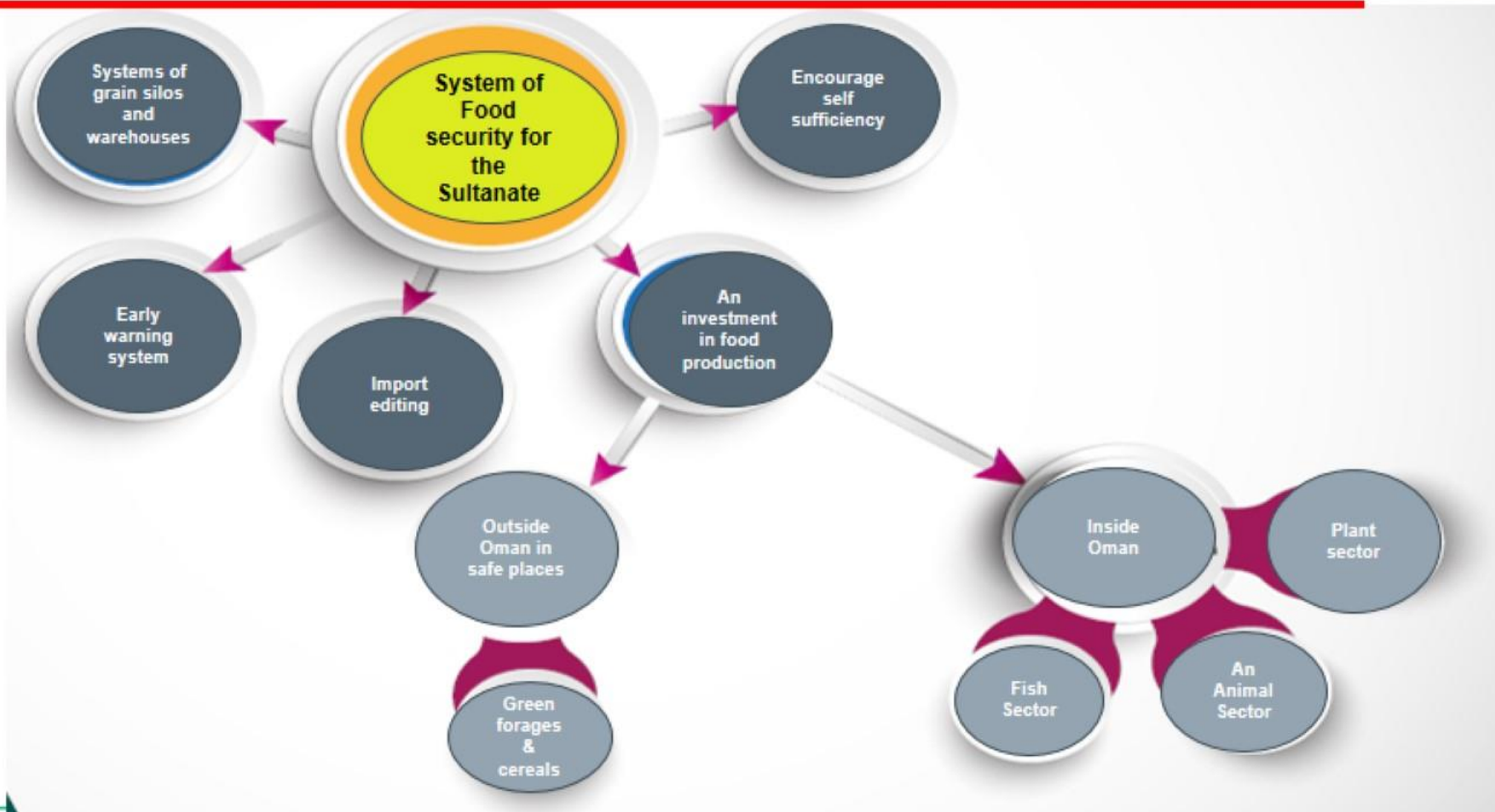
- Follow-up to the global markets, production and marketing to create an early warning system.



The basic elements for food production in the Sultanate



General framework for food security in the Sultanate of Oman



Actions taken to encourage Food security in the Sultanates

Early interest for Food security

Establish of the General Authority for Food Reserve stores

Providing food in exceptional circumstances

Taking precautionary measures to ensure the stability of food commodity prices

Establishing government investment companies specialized in food production

Actions taken to encourage Food security in the Sultanates

Actions taken to limit the challenge of Water Scarcity

- **Subsiding of modern irrigation systems**
- **Constructing 181 underground recharge dams.**
- **Desalination of water to produce 473 Million cubic meter annually**
- **Use of Non- conventional water in agriculture- establishing of 66 Tertiary treated waste water to produce 104 million cubic meter**



Investment opportunities in food commodities

Dates

Establish Pilot farms with commercial cultivars

Use by-products in manufacturing furniture, agricultural media & as fodder

Development of date processing units and improve the quality of factories

Vegetables

Produce, processing and marketing of vegetables whole the year

Drying, freezing and pickling

Increase in protected cultivations

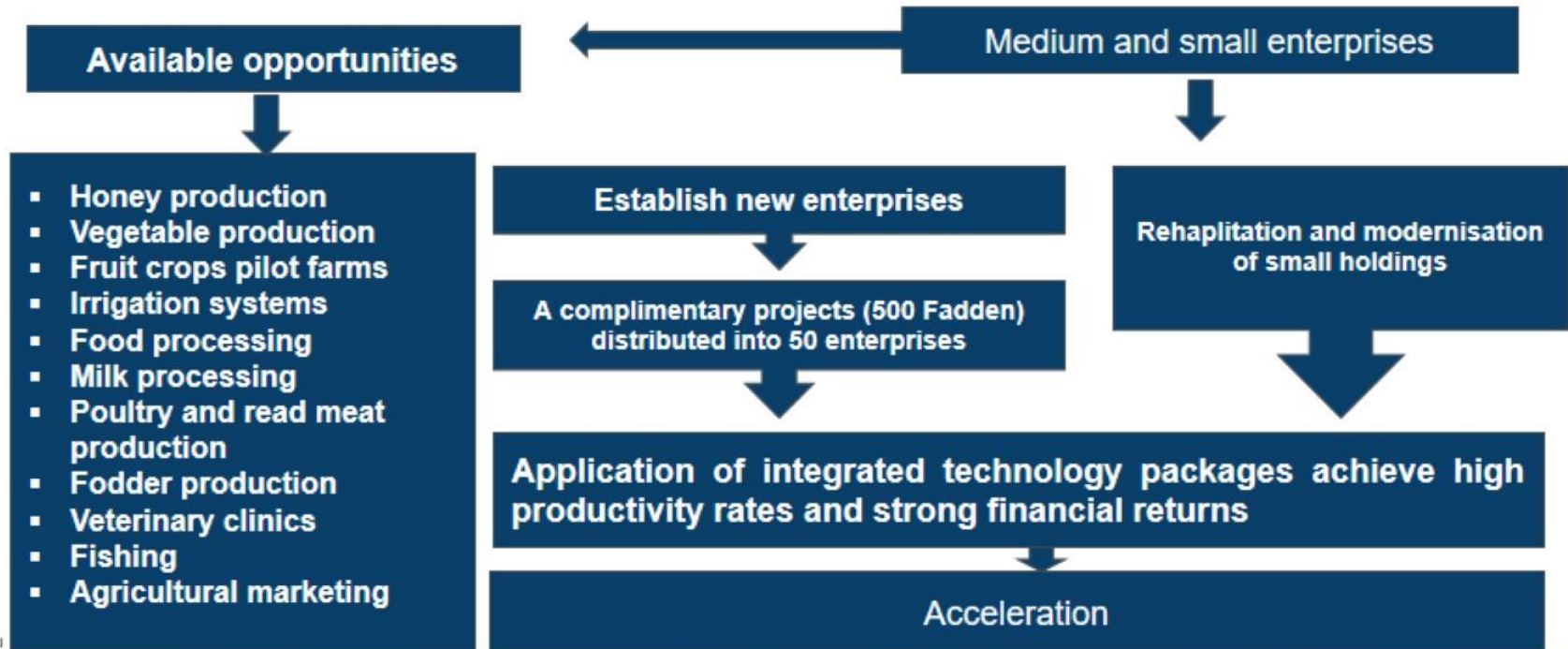
Fruits

Establish pilot farms for major crops

Increase fruit Nurseries



Examples of new investment projects



Thank you for your attention

