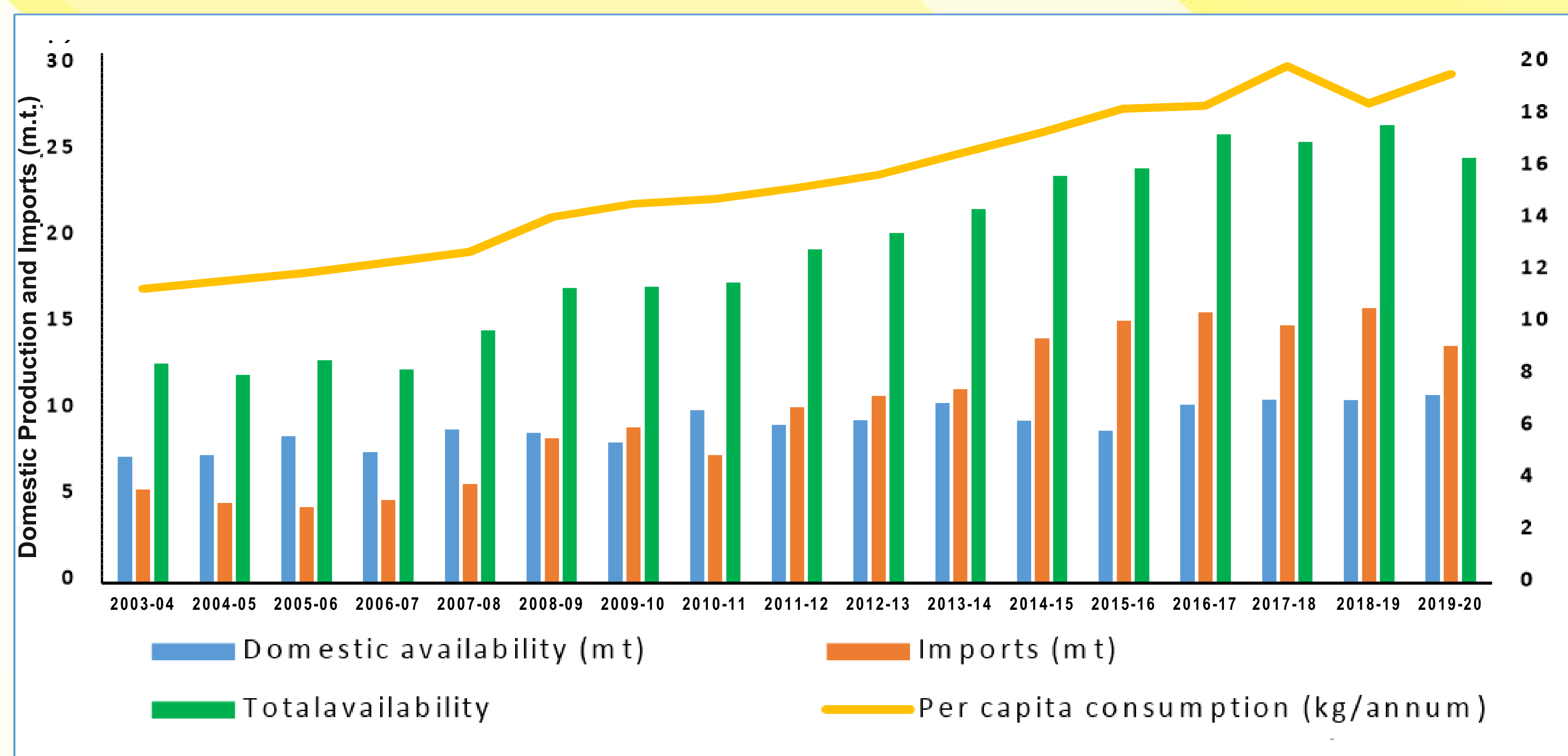
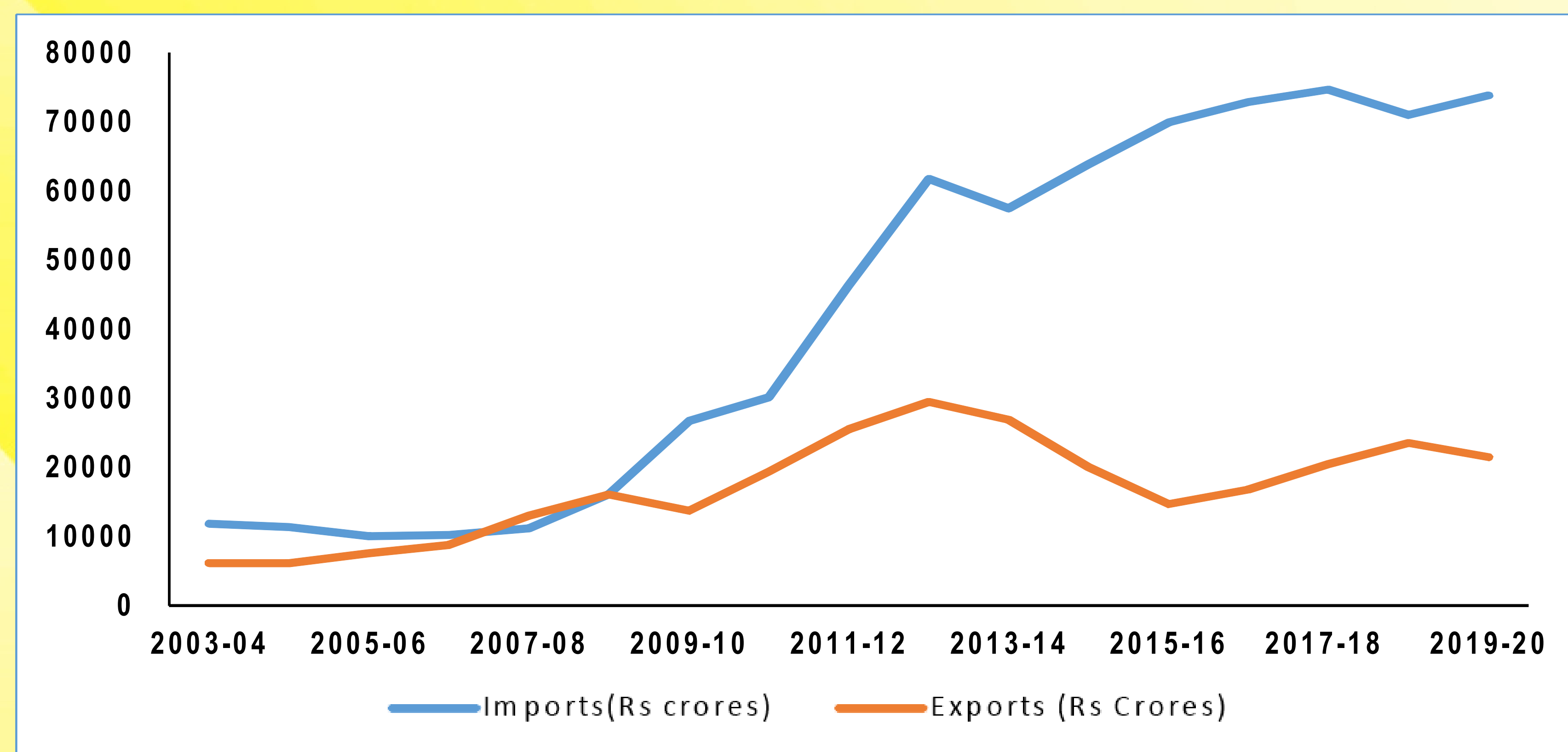


OILSEEDS SCENARIO IN INDIA

Availability of Vegetable Oils and per capita Consumption



Imports and Exports of Edible Oils/Oilseeds/Cakes and Deoiled Meals



Sources of Vegetable Oils

Primary sources:

Annual : Oilseeds
Perennial : Oil palm & Coconut

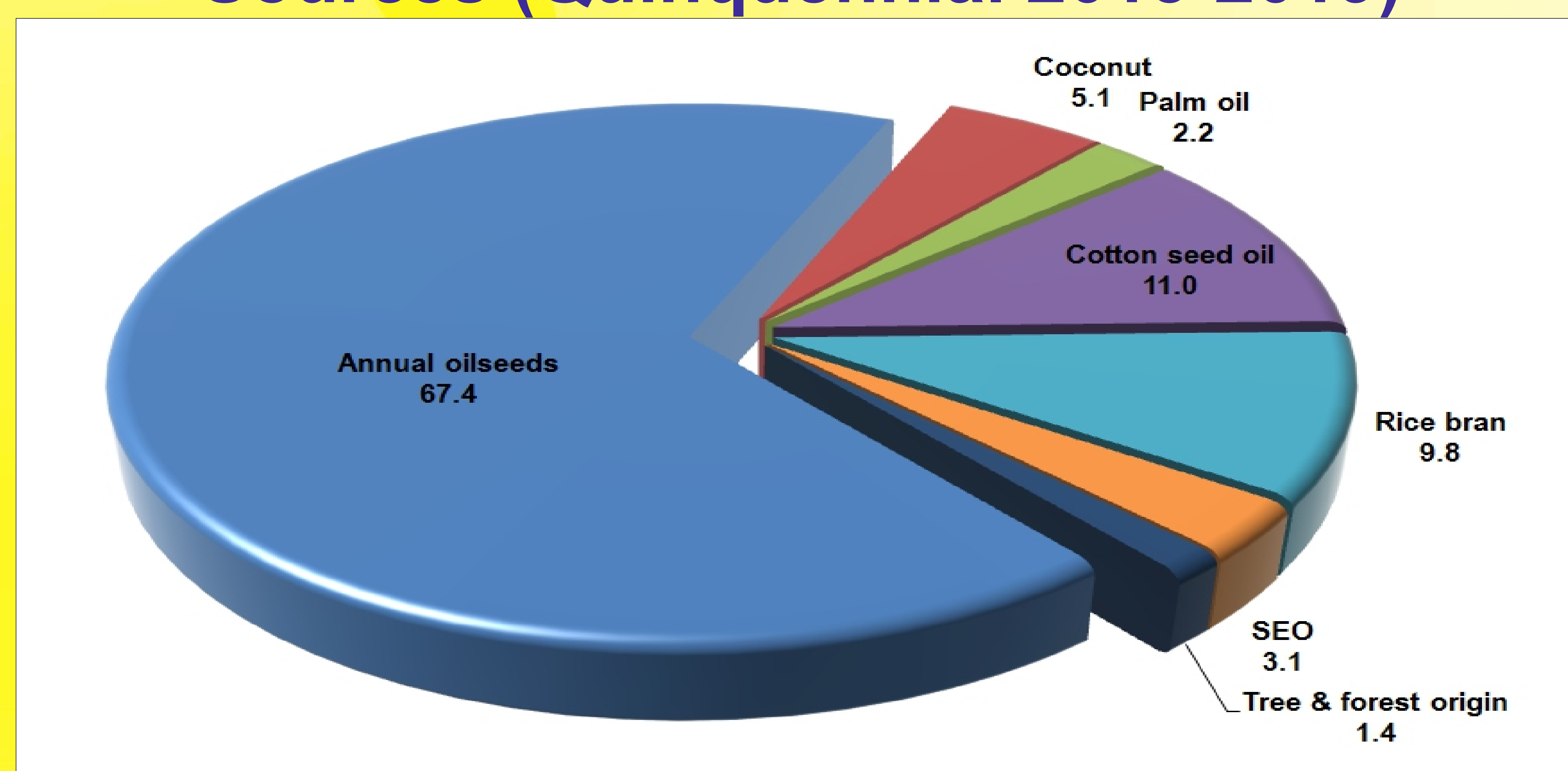
Secondary sources:

Rice bran, Cotton and Maize

Tree borne:

Sal, Mahua, Mango, Kokum, Neem, Karanj, Dhupa, Simarouba, Cheura, Rubber

Domestic Oil Production from Different Sources (Quinquennial 2015-2019)



Annual Oilseeds Cultivated in India

Soybean (*Glycine max* Merr.)
Sunflower (*Helianthus annuus* L.)
Safflower (*Carthamus tinctorius* L.)

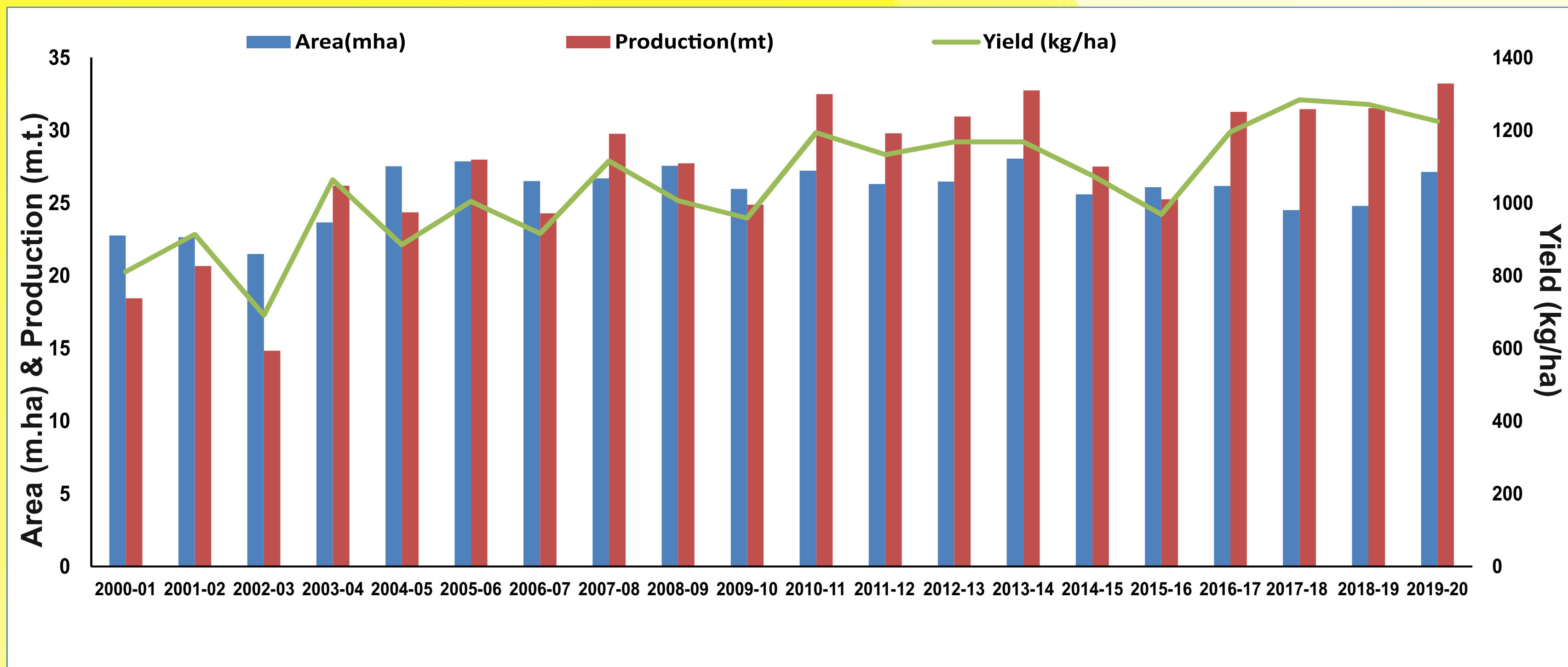
Rapeseed-Mustard (*Brassica* spp.)
Sesame (*Sesamum indicum*)
Linseed (*Linum usitatissimum*)

Groundnut (*Arachis hypogaea* L.)
Castor (*Ricinus communis* L.)
Niger (*Guizotia abyssinica*)

Contribution of Oilseeds to Indian Economy

- Fourth largest vegetable oil economy in the world
- 12 to 15% of global annual oilseeds area
- 6-9% of vegetable oil production
- 13% of gross cropped area
- 3% of Gross National Production
- 10% of value of all agricultural products
- 14 million people in production; One million in processing
- 26% of area under irrigation
- Area: First in world in castor and groundnut; Third in rapeseed & mustard and sesame; Fourth in soybean and Fifth in linseed and safflower
- Production: First in the world in castor, second in groundnut, third in rapeseed & mustard and sesame, fifth in soybean and linseed

Trends in Area, Production and Yield of Annual Oilseeds in India



Area, Production and Yield in India vis-a-vis World (2019)

Crop	Area (Million ha)	Production (Million ha)	Yield (kg/ha)	World average productivity (kg/ha)	Country with highest productivity (kg/ha)
Groundnut	4.9	10.1	2065	1647	China (1898)
Rapeseed & Mustard	6.8	9.1	1345	2040	Canada (2270)
Soybean	12.1	11.2	928	2769	Brazil (3185)
Sesame	1.6	6.6	405	511	China (1619)
Sunflower	0.2	0.2	891	2049	China (2847)
Safflower	0.5	0.4	843	905	Mexico (1856)
Castor	0.1	1.9	1761	1215	India (1593)
Linseed	0.2	0.1	671	952	Canada (1433)

Major Challenges in Oilseeds Sector

- Physiological limitation for higher productivity of seed and oil
- Dependence on rainfed production system (~70%)
- Non-availability of quality seeds (SSR 15%)
- Inadequate and imbalanced nutrition
- Minimal use of secondary and micronutrients
- Persistent biotic stresses
- Technical inefficiency in production
- Low value addition
- Labour shortage - low mechanization
- Non-remunerative price and ineffective MSP
- Poor producer - processor linkage
- Low capacity utilization of processing units