



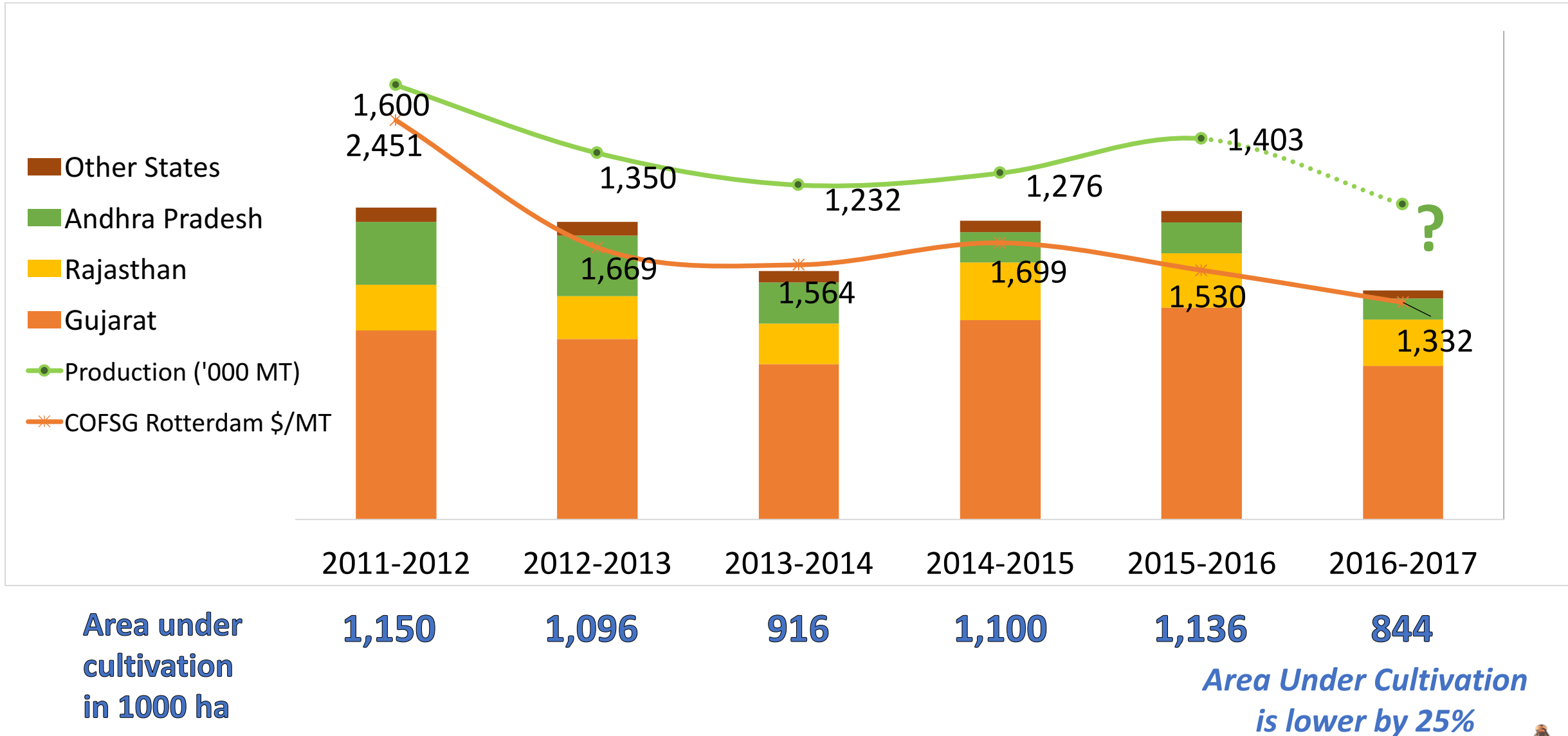
Jayant Agro-Organics Ltd.
Leadership through innovation

Indian Castor Seed & Oil Scenario and Expectations

Date: 18th February, 2017

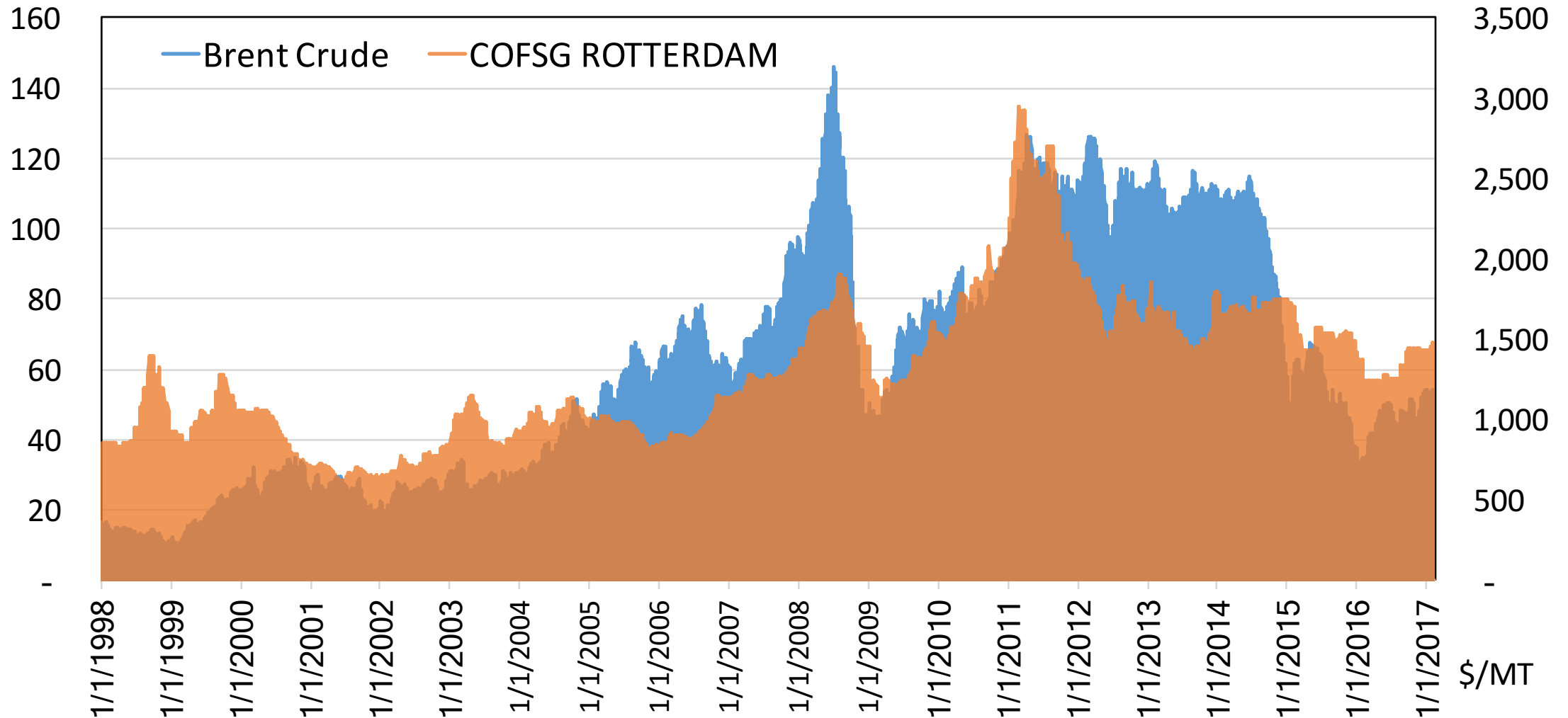


Indian Castor Seed Sowing, Production & Price Scenario



Daily Brent Crude & COFSG Rotterdam price

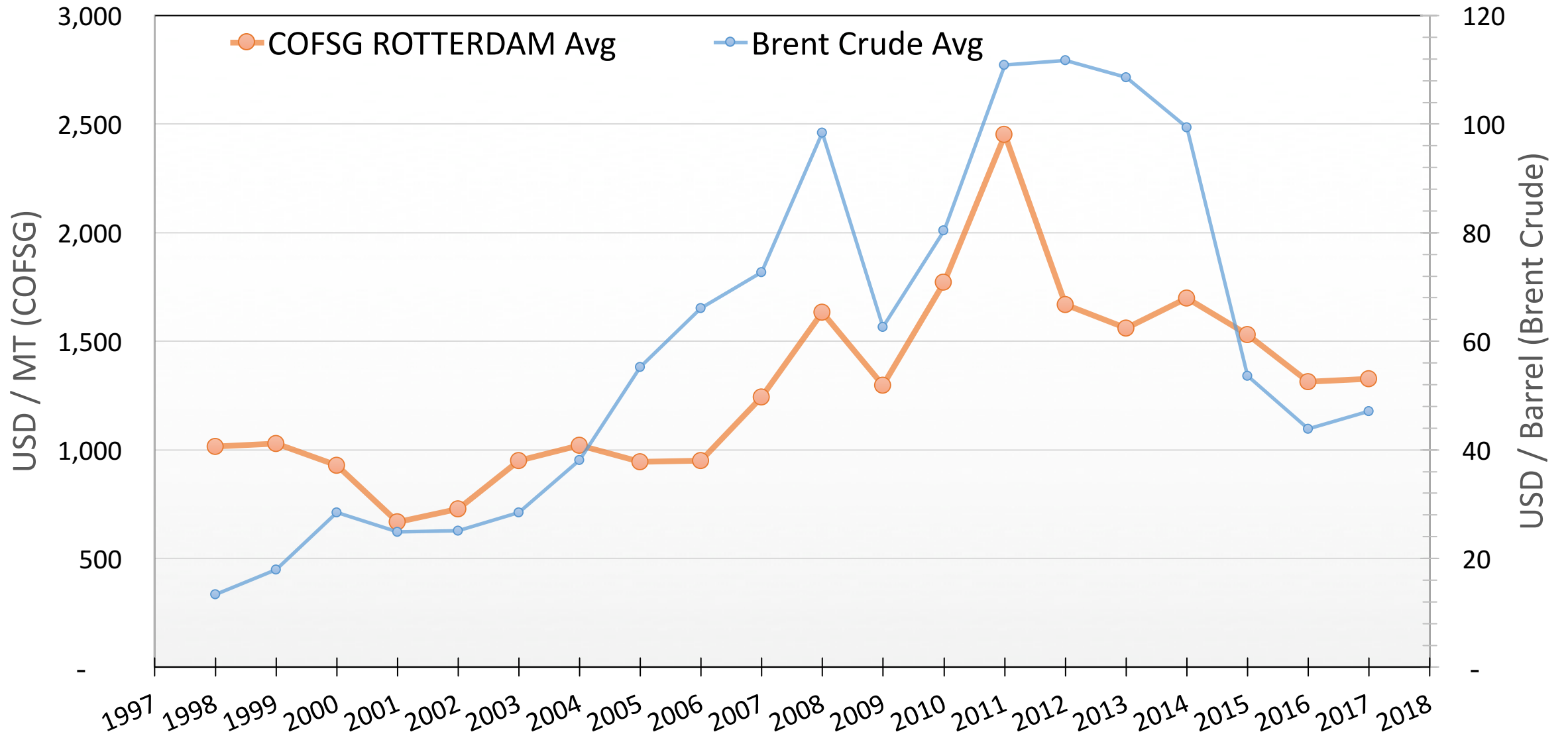
\$/BARREL



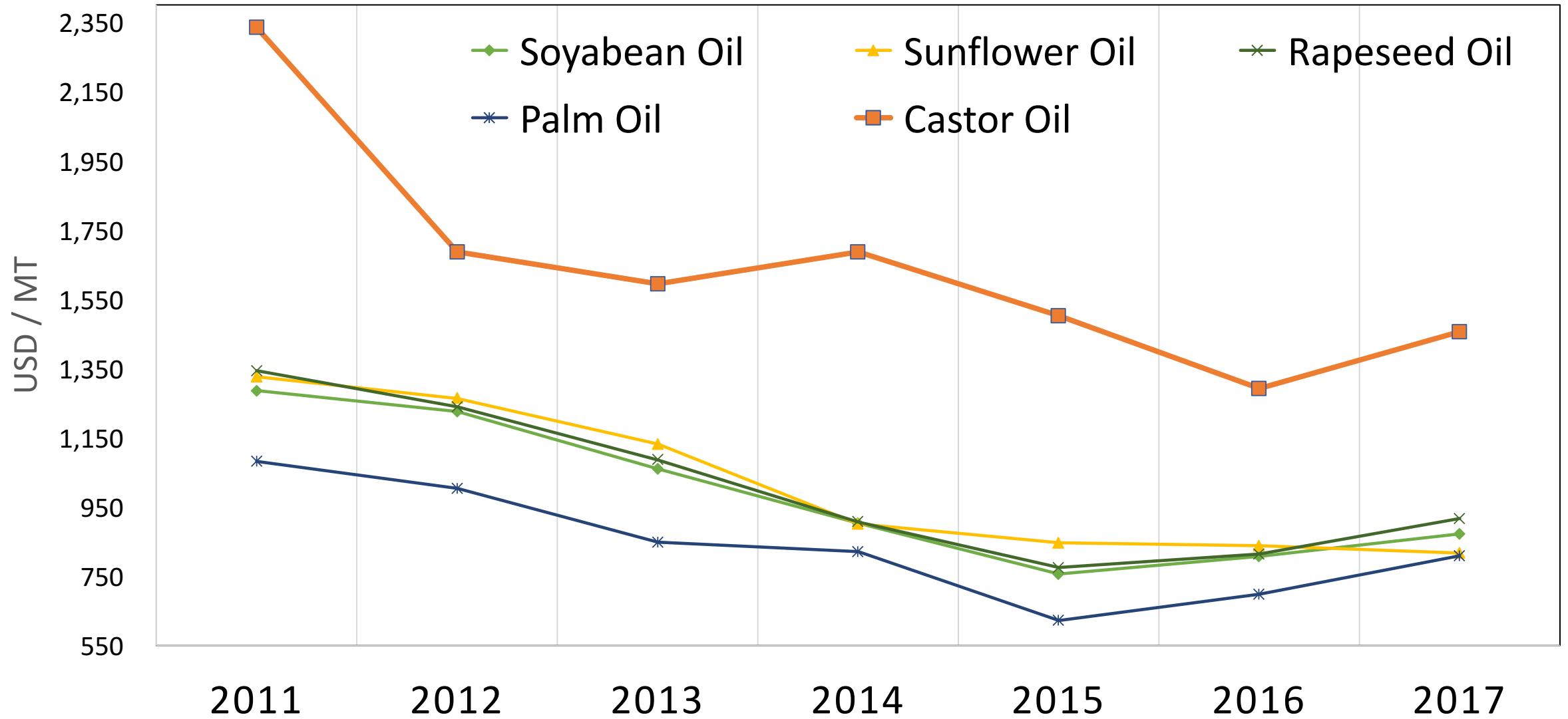
\$/MT



Brent Crude & COFSG Rotterdam Average Prices



Oil World Veg Oil Prices EX Tank Rotterdam

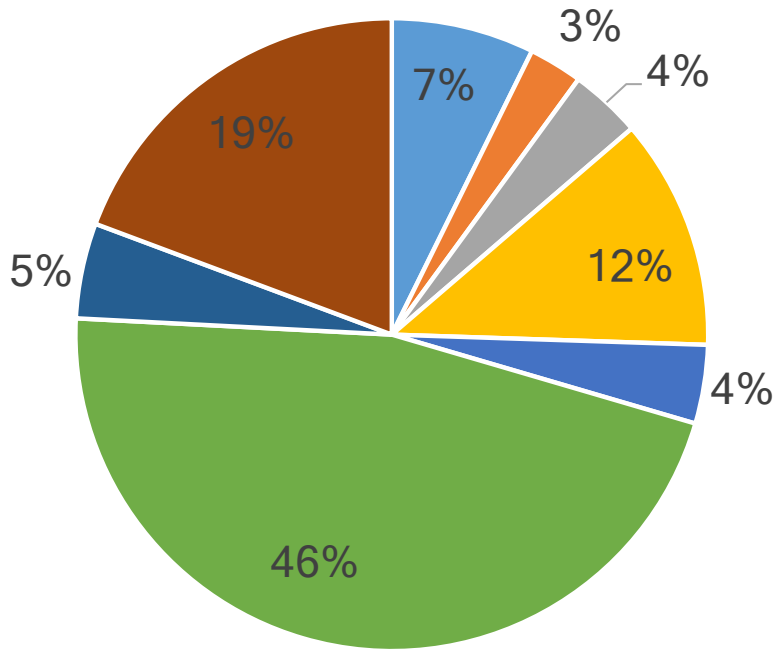


Castor Oil FSG Price On FOB Kandla Basis - Apr '09 to Jan '17



Castor Farming Cost in ₹ / per Hectare

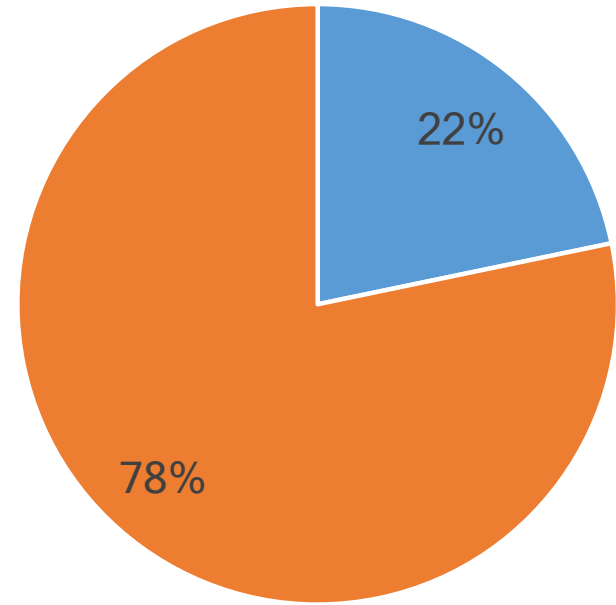
Direct Farming Costs - ₹41,050



- Soil Preparation
- Seed Cost
- Sowing Cost
- Chemical Fertiliser
- Pest Management
- Irrigation
- Interculture
- Harvesting



Management Cost - ₹11,500



- Finance Cost for Cultivation Period
- Farmers self Cost



Total Cost of Cultivation per Hectare

₹ 52,550

Assumptions based on data from actual demo farms by Kalyan Foundation. Actual costs may vary from area to area and farming factors.



Farmer Economics

Castor Seed Price ₹ /20 kg	Yields (kg/hectare)		
	1500	2000	2500
600	₹ -10,450	₹ 4,550	₹ 19,550
700	₹ -2,950	₹ 14,550	₹ 32,050
800	₹ 4,550	₹ 24,550	₹ 44,550
900	₹ 12,050	₹ 34,550	₹ 57,050
1000	₹ 19,550	₹ 44,550	₹ 69,550
1100	₹ 27,050	₹ 54,550	₹ 82,050

Present Yield Scenario

Gross Profit before interest and management cost

*Assumptions based on data from actual demo farms by Kalyan Foundation.
Actual costs may vary from area to area and farming factors.*



Farmer Economics

Castor Seed Price ₹ /20 kg	Yields (kg/hectare)					
	1500	2000	2500	3000	3500	4000
600	₹ -10,450	₹ 4,550	₹ 19,550	₹ 34,550	₹ 49,550	₹ 64,550
700	₹ -2,950	₹ 14,550	₹ 32,050	₹ 49,550	₹ 67,050	₹ 84,550
800	₹ 4,550	₹ 24,550	₹ 44,550	₹ 64,550	₹ 84,550	₹ 104,550
900	₹ 12,050	₹ 34,550	₹ 57,050	₹ 79,550	₹ 102,050	₹ 124,550
1000	₹ 19,550	₹ 44,550	₹ 69,550	₹ 94,550	₹ 119,550	₹ 144,550
1100	₹ 27,050	₹ 54,550	₹ 82,050	₹ 109,550	₹ 137,050	₹ 164,550

Present Yield Scenario

Improved Yields Scenario

Gross Profit before interest and management cost

*Assumptions based on data from actual demo farms by Kalyan Foundation.
Actual costs may vary from area to area and farming factors.*



Way Forward

- Crude Oil is putting pressure on Castor Oil prices
- We are at the edge of cultivation cost for farmers which is clearly reflected in the shrinkage of sowing area



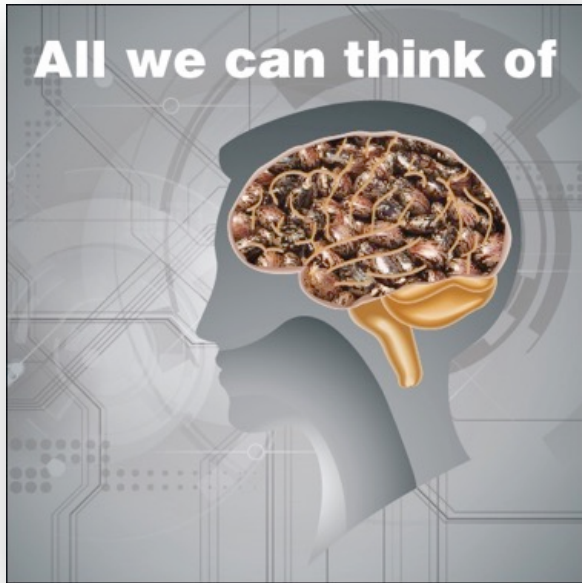
Yield Improvement is only way forward

Price	Productivity
Conflicting	Collaborative
Short Term	Long Term
Will put pressure either on farmers or industry and ultimately to both	Win-Win Leading to all round growth and profits for farmers and industry

Sustainable yield improvement and farm cost management is a low hanging fruit. Work needs to be done in this area.



Thank You



Jayant Agro-Organics Ltd.
Leadership through innovation



Phone: +91-22-4027-1300
Fax: +91-22-4027-1399
Email: info@jayantagro.com
Website: www.jayantagro.com

