



**INTERNATIONAL PEPPER COMMUNITY PUBLICATION
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India Cardamom Report

India produces a wide range of spices and holds a prominent position in world spice production. Because of the varying climates - from tropical to sub-tropical to temperate-almost all spices grow splendidly in India. In reality almost all the states and union territories of India grow one or the other spices. Under the act of Parliament, a total of 52 spices are brought under the purview of Spices Board. However, 109 spices are notified in the ISO list which include cardamom. Furthermore, India are known for its two types of cardamom which are small cardamom and large cardamom.

The differences between small cardamom and large cardamom are described below:

Table 1. The Differences between Small and Large Cardamom

Small Cardamom	Large Cardamom
Small cardamoms popularly known as chhotielachi (Elettaria cardamom) or the true cardamom,	Large cardamom known as badaelalchi [afmomum and amomum spices).
Small cardamom is one of the most exotic and highly priced spices	Large cardamom is the dried fruit of a perennial herbaceous plant.
It belongs to cardamom family named as a zingiberaceae, other names, of small cardamom are lesser cardamom, true cardamom, Malabar cardamom.	Large cardamom also belongs to the family zingiberaceae, its other names are big cardamom and black cardamom.
The small cardamom, described as a queen of spices, is a rich spice culled from the seeds of elettaria cardamom.	In large cardamom is also referred to as 'Black Cardamom'. It is a dried fruit of a perennial plant. The fresh fruits are handpicked when mature dried and cured. The fruit is almost the size of a nut Meg. The dark red brown capsules contain several seeds in each cell, held together by a viscid, sugary pulp. Propagation is by seeds or portions of rhizomes.
Small cardamom is a native of Western Ghats of South India. It is cultivated in three states, viz., Kerala, Karnataka and Tamilnadu.	Large cardamom is a native to Eastern Himalayan region. It is cultivated in India mainly in Sikkim, Assam and West Bengal.
The harvesting season of small Cardamom is August to March and marketing season is October to May	But the harvesting season of large Cardamom is August to December and Marketing season is October to February.
Small cardamom is used for preparation of medicine, food, perfume and beverages.	It is used for preparation of food and pan masaala and medicine.
Small cardamom is exported to West Asia, European countries and Middle East countries like Japan and Russia	The large cardamom is exported to Pakistan, Afghanistan, Singapore and UK.



Harvesting and processing

Cardamom plants normally start bearing two years after planting. In most of the areas in India the peak period of harvest is during October-November. Picking is carried out at an interval of 15-25 days. Ripe capsules are harvested in order to get maximum green colour during curing. After harvest, capsules are dried either in kiln drying or electrical drying or in the sun drying. It has been found that soaking the freshly harvested green cardamom capsules in 2% washing soda solution for 10 minutes prior to drying helps to retain the green colour during drying. For kiln drying, over night drying at 50-60° C is required, for electrical drying, it should be dried at 45-50° C for 14-18 hours, while for sun drying it require 5-6 days or more depending on the availability of sunlight. The capsules kept for drying are spread thinly and stirred frequently to ensure uniform drying. The dried capsules are rubbed with hands or coir mat or wire mesh and winnowed to remove any foreign matter and then sorted out according to size and colour, and stored in black polythene lined gunny bags to retain the green colour during storage.

Area Plantation of Cardamoms in India

In India, small cardamoms are produced in Kerala, Karnataka and Tamil Nadu State. In 2016, the total area under small cardamoms plantation were reported 70,080 Ha of the 3 states above with Kerala State being reported with the largest planting area, amounting to 39,680 Ha followed by Karnataka States with 25,240 Ha and Tamil Nadu with 5,160 Ha. Furthermore, similar to small cardamom, large cardamom was also widely cultivated in India, in the same period, large cardamoms were mostly produced in Sikkim and West Bengal State. The total area of large cardamom plantation in the 2 states was reported amounting 26,387 Ha which 23,082 Ha of it located in Sikkim State and 3,305 Ha in West Bengal State. 2017 saw a decreasing trend in cardamoms planting area. India's area of plantation for small cardamom dropped to a total of 69,357 Ha. Thus, recording a decrease by 1% as compared to the previous period, of which Kerala State amounted to 39,080 Ha, Karnataka States with 25,117 Ha and Tamil Nadu State with 5,160 Ha. Furthermore, contrary to small cardamoms, the total area of large cardamoms plantation was reported with an increase of 1% as compared to the previous period with a total of 26,617 Ha of which Sikkim State was 23,312 Ha and West Bengal State was 3,305 Ha.

2018 saw relative unchanged trend area plantation for both small and large cardamoms in India. Small cardamoms in India in this period was reported with a total area of plantation 69,330 Ha of which Kerala State 39,080 Ha, Karnataka State 25,135 Ha and Tamil Nadu State 5,115 Ha. Whilst, the total area plantation of large cardamoms in India were reported unchanged.

In 2019, the area of plantation for small cardamoms was estimated stable and relatively unchanged as compared to the period of 2018 with a total 69,132 Ha of which Kerala State 38,882 Ha, Karnataka State 25,135 Ha and Tamil Nadu State 5,115 Ha. Contrary to small cardamoms, the total area of plantation for large cardamoms was estimated with a significant increase of 61% as compared to the previous period to a total of 42,826 Ha. The increase of the total area of plantation for large cardamoms in India could be contributed to the opening of large cardamoms plantation in other state in India such as Nagaland State and Arunachal Pradesh State. In 2019, estimated area of plantation for India's large cardamom were Sikkim State with 23,312 Ha, West Bengal States with 3,305 Ha, Nagaland States with 6,308 Ha and Arunachal Pradesh State with 9,901 Ha. Furthermore, for the year 2020, the area under cardamoms cultivation was projected to slightly decrease by 0.1% as compared to the previous year to a total of 111,869 Ha in 2020 which 62% or a total of 69,043 Ha was of small cardamoms and 38% or 42,826 Ha was of large cardamoms (Table 2).



Production of Cardamoms in India

Cardamoms production by India in the period of 2016 until 2019 had fluctuated greatly. Production of small cardamoms in 2016 was reported to reach 23,890 Mt of which Kerala State was reported to be the largest producer with 21,503 Mt or 90% of the total production of small cardamom in India during that period. Furthermore, production of large cardamom in 2016 was reported to reach 5,315 Mt of which Sikkim State was reported to be the largest producer with 4,465 Mt or 84% of the total production of large cardamom in India during that period. 2017 saw a decreasing trend for production of small cardamom. India was reported to have only produced small cardamoms to a total of 17,990 Mt. Thus, recording a decrease by 25% as compared to previous period. Contrary to small cardamoms, production of large cardamoms was reported with an increase of 5% as compared to the previous period to a total of 5,572 Mt. Furthermore, in 2018 production of small and large cardamom showed increasing trend and were reported with an increase of 15% and 6% respectively as compared to 2017 to a total of 20,650 Mt for small cardamoms and 5,906 Mt for large cardamoms. In 2019, production of small cardamoms was estimated to only reach 12,940 Mt or a decrease by 37% when compared to previous period. Contrary to small cardamoms, production of large cardamoms in 2019 was estimated with a significant increase by 47% or 2,763 Mt as compared to the previous period with total 8,669 Mt. The increase in production of large cardamoms could be contributed to the addition of new plantation area of large cardamoms in Nagaland State and Arunachal Pradesh State. Furthermore, the production of cardamoms in 2020 was projected to slightly increase by 1% as compared to 2019 to a total of 21,928 Mt which 60% of it consisted of small cardamoms and 40% of large cardamoms. The projected increase of cardamoms production could be contributed to favourable weather conditions (Table 2). During 2016-2020, the highest total production of small and large cardamoms in India was reported in 2016 with 29,205 Mt whilst the lowest was estimated to occur in 2019 with 21,609 Mt.

Table 2. Area and Production of India Small and Large Cardamoms (Area in Ha, Production in Mt)

State	2016		2017		2018		2019 (E)		2020 (P)	
	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
Small										
Kerala	39,680	21,503	39,080	15,650	39,080	18,350	38,882	11,535	38,796	11,823
Karnataka	25,240	1,437	25,117	1,449	25,135	1,450	25,135	690	25,137	690
Tamil Nadu	5,160	950	5,160	891	5,115	850	5,115	715	5,110	710
Sub Total	70,080	23,890	69,357	17,990	69,330	20,650	69,132	12,940	69,043	13,223
Large										
Sikkim	23,082	4,465	23,312	4,633	23,312	4,862	23,312	5,030	23,312	5,055
West Bengal	3,305	850	3,305	939	3,305	1,044	3,305	1,070	3,305	1,081
Nagaland							6,308	1,024	6,308	1,024
Arunachal Pradesh							9,901	1,545	9,901	1,545
Sub Total	26,387	5,315	26,617	5,572	26,617	5,906	42,826	8,669	42,826	8,705
Grand Total	96,467	29,205	95,974	23,562	95,947	26,556	111,958	21,609	111,869	21,928

Source: Spices Board India, E= Estimated, P=Projection



Cardamoms Productivity in India

Cardamoms productivity in India in the past 4 years was reported to be fluctuated with the average of small cardamoms productivity was reported with a decrease of 14% whilst the average of large cardamoms productivity was reported with an increase by 26% (table 3). In 2016, productivity of small cardamoms was reported at 783 Kg per Ha whilst the productivity of large cardamoms was reported at 451 Kg per Ha. In the following year, the productivity of small cardamoms saw decreasing trends to a total of 631 Kg per Ha or a decrease of 19% as compared to the previous period. Contrary to small cardamoms, the productivity of large cardamoms was reported with an increase of 7% to a total 483 Kg per Ha. Furthermore, productivity of small and large cardamoms in 2018 were reported with an increase by 10% and 9% respectively as opposed to previous period totalling 693 Kg per Ha for small cardamoms and 524 Kg per Ha for large cardamoms. Small cardamoms productivity in 2019 was estimated to decrease by 33% as compared to the previous period totalling at 464 Kg per Ha. Whilst, large cardamoms productivity was estimated with significant increase by 64% as opposed to previous period at 858 Kg per Ha. During 2015-2019, the highest total productivity of small and large cardamoms was reported in 2019 which was estimated at 1,322 Kg per Ha whilst the lowest occurred in 2017 with 1,114 Kg per Ha. Furthermore, for the year 2020, the productivity of small and large cardamoms was projected to increase by 2% and 1% respectively as compared to 2019 totalling 471 Kg per Ha for small cardamoms and 862 Kg per Ha for large cardamoms.

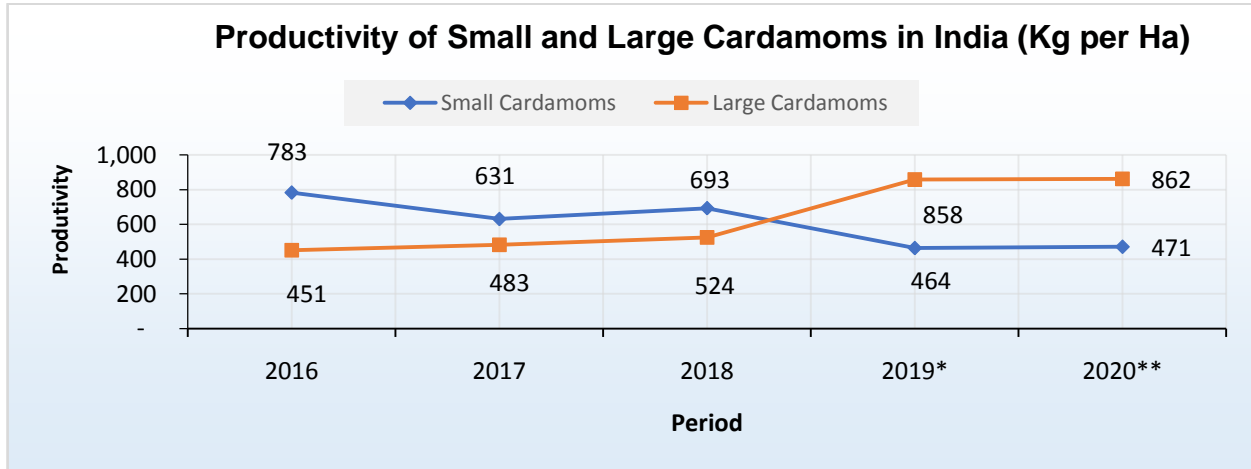
Table 3. Productivity of India Small and Large Cardamoms (Kg per Ha)

State	2016	2017	2018	2019[E]	2020[P]
	Productivity	Productivity	Productivity	Productivity	Productivity
Small Cardamoms					
Kerala	542	400	470	297	305
Karnataka	57	58	58	27	27
Tamil Nadu	184	173	166	140	139
Sub Total	783	631	693	464	471
Large Cardamoms					
Sikkim	193	199	209	216	217
West Bengal	257	284	316	324	327
Nagaland				162	162
Arunachal Pradesh				156	156
Sub Total	451	483	524	858	862
Grand Total	1,234	1,114	1,218	1,322	1,333

Source: Spices Board India, E=Estimated, P=Projection



Chart 1



Source: Spices Board India, *Estimated. **Projection

Cardamoms Auction Prices in India

As of February 2020, both small and large cardamoms auction prices in India saw a mixed response. The average auctioned price of small cardamoms in India as of February 2020 was reported with INR 3,317 per Kg (Table 4) with the highest auctioned price recorded in 10 February 2020 with INR 3,766 per Kg. Whilst, the lowest auctioned price was reported at INR 2,721 per Kg in 25 February 2020

Furthermore, the average auctioned price of large cardamoms in India as of February 2020 was reported with INR 456 per Kg (Table 5) with the highest auctioned price recorded in 9 January 2020 with INR 605 per Kg and the lowest was reported with INR 338 per Kg in 13 February 2020.



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Table 4. Average Price of Small Cardamoms in India

Date of Auction	Average Price (INR/Kg)	Date of Auction	Average Price (INR/Kg)	Date of Auction	Average Price (INR/Kg)
29-Feb-20	3,006	20-Feb-20	3,176	10-Feb-20	3,716
28-Feb-20	2,995	19-Feb-20	3,278	8-Feb-20	3,629
28-Feb-20	3,089	19-Feb-20	3,251	8-Feb-20	3,602
27-Feb-20	3,248	18-Feb-20	3,256	7-Feb-20	3,571
27-Feb-20	3,174	17-Feb-20	3,401	7-Feb-20	3,514
26-Feb-20	2,966	17-Feb-20	3,350	6-Feb-20	3,543
25-Feb-20	2,721	15-Feb-20	3,389	6-Feb-20	3,618
25-Feb-20	2,769	14-Feb-20	3,435	5-Feb-20	3,531
24-Feb-20	2,900	14-Feb-20	3,323	5-Feb-20	3,474
24-Feb-20	2,803	13-Feb-20	3,551	4-Feb-20	3,531
22-Feb-20	2,895	13-Feb-20	3,505	3-Feb-20	3,531
22-Feb-20	2,927	12-Feb-20	3,577	3-Feb-20	3,531
21-Feb-20	3,114	11-Feb-20	3,592	1-Feb-20	3,531
21-Feb-20	3,047	11-Feb-20	3,623	1-Feb-20	3,400
20-Feb-20	3,083	10-Feb-20	3,766		

Table 5. Average Price of Large Cardamoms in India

Date of Auction	Average Price (INR/Kg)	Date of Auction	Average Price (INR/Kg)	Date of Auction	Average Price (INR/Kg)
20-Feb-20	438	6-Feb-20	556	16-Jan-20	475
20-Feb-20	400	6-Feb-20	435	16-Jan-20	425
20-Feb-20	450	30-Jan-20	475	16-Jan-20	575
20-Feb-20	400	30-Jan-20	400	16-Jan-20	472
20-Feb-20	541	30-Jan-20	485	9-Jan-20	488
20-Feb-20	438	30-Jan-20	425	9-Jan-20	425
13-Feb-20	338	30-Jan-20	568	9-Jan-20	475
13-Feb-20	400	30-Jan-20	449	9-Jan-20	425
13-Feb-20	450	23-Jan-20	475	9-Jan-20	605
13-Feb-20	400	23-Jan-20	400	9-Jan-20	475
13-Feb-20	546	23-Jan-20	463	2-Jan-20	450
13-Feb-20	413	23-Jan-20	425	2-Jan-20	400
6-Feb-20	450	23-Jan-20	561	2-Jan-20	450
6-Feb-20	400	23-Jan-20	461	2-Jan-20	400
6-Feb-20	455	16-Jan-20	450	2-Jan-20	550
6-Feb-20	414	16-Jan-20	400	2-Jan-20	446



Export of Cardamoms by India

As one of the producers of cardamoms in the world, India in the past 2 years actively exports cardamoms to various countries. In 2018, India was reported to have exported a total of 5,517 Mt of cardamoms from which 90% or 4,942 Mt of it comprised of whole cardamoms and 10% or 575 Mt of it ground cardamoms. India on average exported a total of 460 Mt per month in 2018 which peaked in February with 650Mt. The total revenue of India's export of cardamoms in 2018 was reported to be as high as USD 78.7 Million. Thus, recording an average price of the total cardamoms exported by India at USD 14,670 per Mt for whole cardamoms and USD 10,853 per Mt for ground cardamoms.

Year 2019 saw a decreasing trend in term of quantity of cardamoms exported by India. India was reported to have exported a total of 3,742 Mt of which 84% or 3,159 Mt of it comprised of whole cardamoms and 16% or 583 Mt of it ground cardamoms, recording a decrease of 32% when compared with 2018. The average export of cardamoms by India in 2019 was reported to be at 312 Mt per month which peaked in September with 514 Mt. In accordance with decreasing in terms of quantity, India's revenue from cardamoms export was reported to have decreased by 20% as compared to the previous year to a total of USD 62.6 Million. Thus, recording an average price of the total cardamoms exported by India at USD 17,426 per Mt for whole cardamoms and USD 13,073 per Mt for ground cardamoms or an increase of 19% and 20% respectively as compared with 2018.

Cardamoms from India are widely traded in Asia, America, Europe and Africa. In 2019, India's top 5 Country of destinations for its cardamoms were reported to be United Arab Emirates with 1,046 Mt, Pakistan with 502 Mt, Afghanistan with 354 Mt, United States of America with 337 Mt and Kuwait with 224 Mt.

Table 6. Export of Whole Cardamoms by India

Month	2018		2019	
	Quantity*	Value**	Quantity*	Value**
Jan	592	8,736	216	3,837
Feb	605	9,300	261	5,059
Mar	588	9,548	363	6,811
Apr	380	5,824	210	2,980
May	472	6,527	230	3,056
Jun	487	5,475	110	1,473
Jul	395	4,951	115	1,263
Aug	271	3,455	164	1,740
Sep	250	4,088	485	4,760
Oct	381	6,102	290	5,740
Nov	238	3,846	294	8,150
Dec	281	4,655	421	10,180
Total	4,942	72,507	3,159	55,049

* In Mt ** in thousand US dollar



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Table 7. Export of Ground Cardamoms by India

Month	2018		2019	
	Quantity*	Value**	Quantity*	Value**
Jan	23	320	46	570
Feb	45	453	57	673
Mar	34	565	80	1,002
Apr	24	390	53	451
May	36	509	76	510
Jun	74	704	63	885
Jul	59	566	40	754
Aug	60	552	38	870
Sep	36	253	29	700
Oct	70	610	13	240
Nov	45	611	26	420
Dec	69	708	64	550
Total	575	6,241	583	7,625

* In Mt ** in thousand US dollar

Chart 2

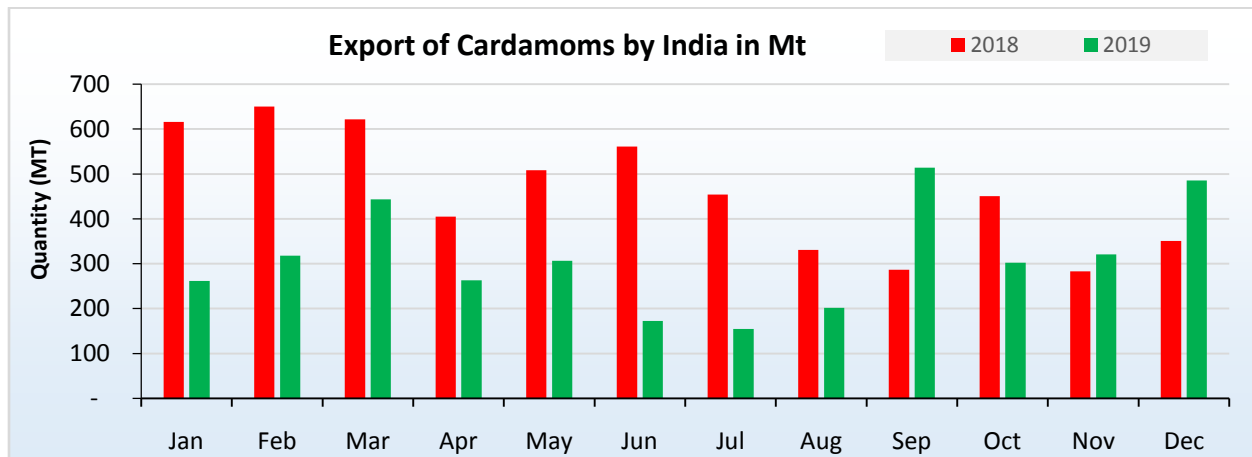
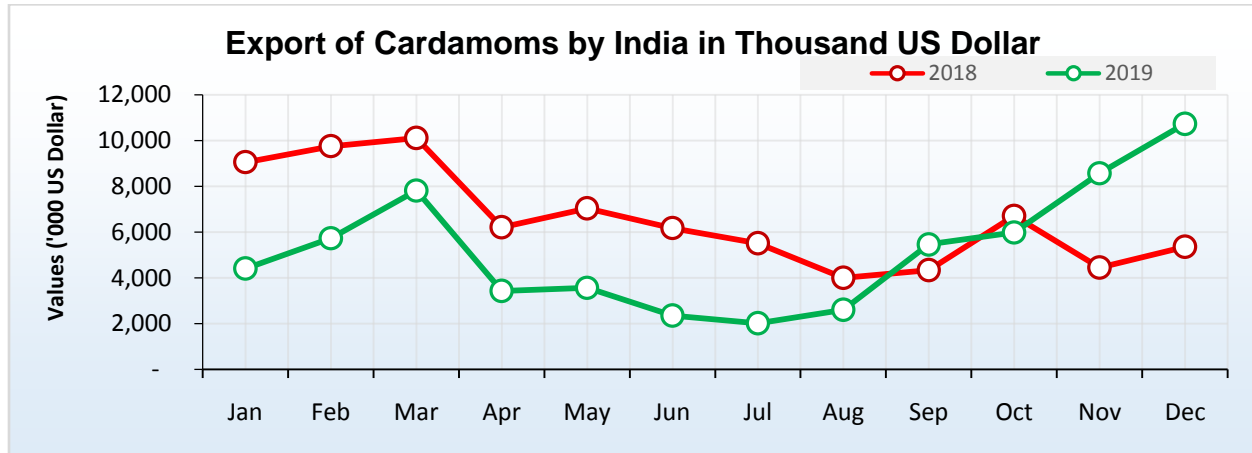




Chart 3



Import of Cardamoms by Consuming Countries

➤ Singapore

Singapore actively imports cardamoms from various cardamoms producing countries for its domestic consumption or for re-export purpose. In 2017, Singapore was reported to have imported a total of 1,071,901 Kg of cardamoms which 99.7% or 1,068,563Kg of it comprised of whole cardamoms while 0.3% or 3,338Kg of it was ground cardamoms. The average import by Singapore in 2017 was reported to be 89,325Kg per month with the highest quantity recorded in March with 296,518Kg. The total expenditure of import of cardamoms by Singapore was reported to be as high as USD 11.9 Million, recording an average price of the total cardamoms imported by Singapore at USD 11.1 per Kg for whole cardamoms and USD 18.2 Per Kg for ground cardamoms. Year 2018 saw a decreasing trend in term of quantity of cardamoms imported by Singapore. Singapore was reported to have imported a total of 1,002,555Kg which 99.8% or 1,000,432Kg comprised of whole cardamoms and 0.2% or 2,123Kg of ground cardamoms. Thus, recording a decrease by 6% as compared to the same period in 2017. On average Singapore was reported to have imported 83,546Kg per month which peaked in March with 145,791Kg. Although decreasing in term of quantity, Singapore's expenditure for cardamoms import was reported to have increased by 2% to a total of USD 12.2 Million, recording an average price of the total cardamoms imported by Singapore at USD 12.2 per Kg for whole cardamoms and USD 15.5 per Kg for ground cardamoms or an increase of 10% for whole cardamoms and a decrease by 15% for ground cardamoms as compared with 2017.

Cardamoms import by Singapore in 2019 was reported with an increase of 33% as compared to 2018, totalling at 1,332,633 Kg which 99.8% or 1,330,408 Kg comprised of whole cardamoms and 0.2% or 2,225 Kg of ground cardamoms. The total expenditure of cardamoms import by Singapore in 2019 was reported with an increase of 80% as compared to the previous year totalling at USD 22 Million, recording an average price of the total cardamoms imported by Singapore at USD 16.5 per Kg for whole cardamoms and USD 12.1 per Kg for ground



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cardamoms or an increase of 36% for whole cardamoms and a decrease by 22% for ground cardamoms as compared with 2018.

The top five countries of origins of Singapore's cardamoms in 2019 were reported to be Guatemala with 1,223,305 Kg, India with 43,025 Kg, China with 42,170 Kg, Indonesia with 11,541 Kg and Saudi Arabia with 9,400 Kg.

Table 8. Import of Whole Cardamoms by Singapore

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	137,182	1,343	77,723	788	288,333	3,752
Feb	100,157	1,155	89,199	849	56,621	736
Mar	296,505	3,327	145,702	2,185	96,078	1,412
Apr	42,749	538	99,352	1,216	63,727	1,029
May	84,568	932	89,127	1,161	85,267	1,484
Jun	42,442	466	80,317	937	184,215	3,507
Jul	279	6	124,507	1,530	163,191	3,186
Aug	62,372	686	54,436	694	145,053	2,718
Sep	75,232	842	88,764	1,027	123,748	2,077
Oct	43,960	574	2,993	55	81,660	1,539
Nov	110,026	1,259	20,412	130	18,747	129
Dec	73,091	779	127,900	1,644	23,768	479
Total	1,068,563	11,907	1,000,432	12,216	1,330,408	22,048

* In Kg ** in thousand US dollar

Table 9. Import of Ground Cardamoms by Singapore

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	1,002	23	100	1	335	4
Feb	-	-	521	9	25	-
Mar	13	-	89	2	87	1
Apr	51	2	63	1	97	2
May	259	3	99	2	151	5
Jun	85	2	505	9	57	2
Jul	1,088	13	71	1	217	-
Aug	11	-	21	1	332	2
Sep	77	3	76	1	455	4
Oct	62	1	103	2	7	-
Nov	610	13	245	-	417	6
Dec	80	1	230	4	45	1
Total	3,338	61	2,123	33	2,225	27

* In Kg ** in thousand US dollar



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Table 10. Total Import Cardamoms by Singapore

Year	Quantity*	Value**
2017	1,071,901	11,968
2018	1,002,555	12,249
2019	1,332,633	22,075

* In Kg ** in thousand US dollar

Chart 4

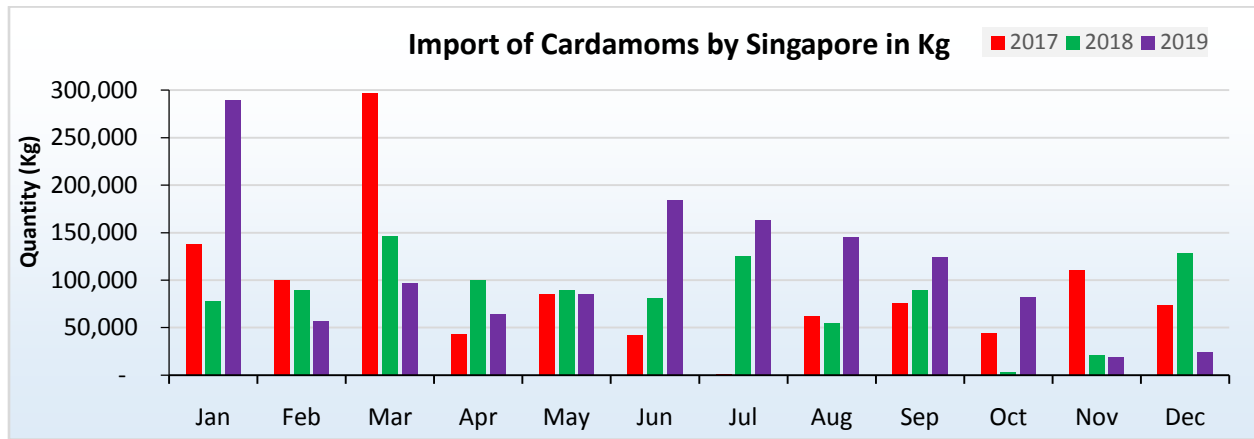
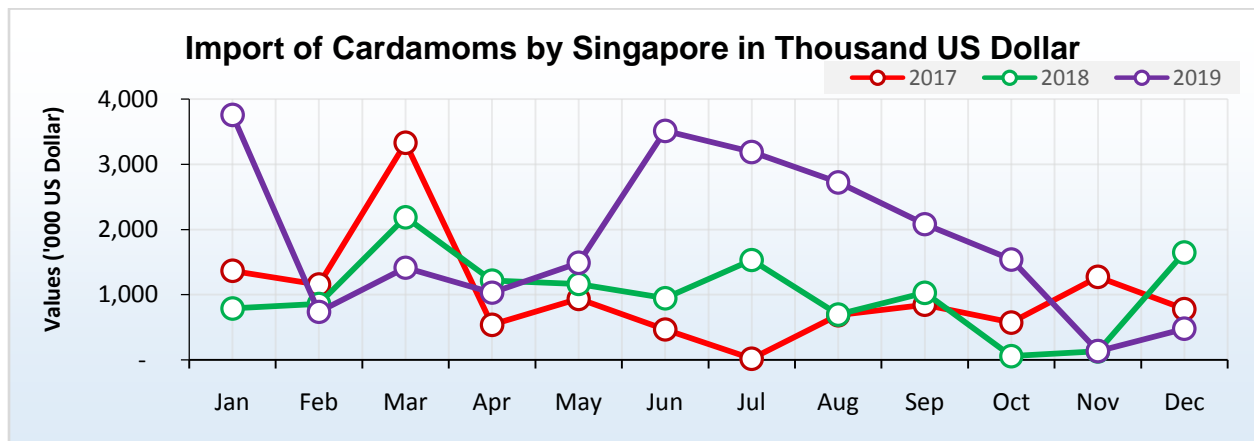


Chart 5





➤ United States of America

United States of America also actively imports cardamoms from various cardamoms producing countries for its domestic consumption or for re-export purpose. In 2017, United States of America was reported to have imported a total of 980,907 Kg of cardamoms which 87% or 855,617 Kg of it comprised of whole cardamoms while 13% or 125,290 Kg of it was ground cardamoms. The average import by United States of America in 2017 was reported to be 81,742 Kg per month with the highest quantity recorded in January with 161,682 Kg. The total expenditure of cardamoms import by United States of America was reported to be as high as USD 12.8 Million, recording an average price of the total cardamoms imported by United States of America at USD 12.4 per Kg for whole cardamoms and USD 17.1 Per Kg for ground cardamoms.

Year 2018 saw an increasing trend in term of quantity of cardamoms imported by United States of America. United States of America was reported to have imported a total of 1,303,000 Kg which 76% or 986,219 Kg of it comprised of whole cardamoms and 24% or 316,781 Kg of ground cardamoms. Thus, recording an increase of 33% as compared to the same period in 2017. On average United States of America was reported to have imported 108,583 Kg per month in 2018 which peaked in December with 162,337 Kg. In accordance with the increasing in term of quantity, United States of America's expenditure for cardamoms import was reported to have increased by 50% to a total of USD 19.2 Million, recording an average price of the total cardamoms imported by United States of America at USD 14.1 per Kg for whole cardamoms and USD 16.6 per Kg for ground cardamoms or an increase of 14% for whole cardamoms and a decrease by 3% for ground cardamoms as compared with 2017.

Cardamoms import by United States of America in 2019 was reported with a decrease by 2% as compared to 2018, totalling at 1,274,861 Kg which 66% or 841,826 Kg comprised of whole cardamoms and 34% or 433,035 Kg of ground cardamoms. The total expenditure of cardamoms import by United States of America in 2019 was reported with an increase of 16% as compared to the previous year totalling at USD 22.3 Million, recording an average price of the total cardamoms imported by United States of America at USD 18.7 per Kg for whole cardamoms and USD 15.0 per Kg for ground cardamoms or an increase of 33% for whole cardamoms and a decrease by 9% for ground cardamoms as compared with 2018.

The top five countries of origins of United States of America's cardamoms in 2019 were reported to be India with 585,649 Kg, Guatemala with 532,886 Kg, Honduras with 86,232 Kg, China with 35,125 Kg and United of Kingdom with 11,555 Kg.



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Table 11. Import of Whole Cardamoms by United States of America

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	142,258	1,565	95,850	1,235	72,251	1,181
Feb	49,909	647	111,229	1,486	89,384	1,245
Mar	54,119	590	108,252	1,205	92,962	1,883
Apr	60,655	769	87,492	1,377	97,397	1,932
May	91,998	1,248	88,414	1,319	91,310	1,809
Jun	119,564	1,447	49,150	603	114,711	2,615
Jul	58,740	702	58,872	1,021	61,103	1,279
Aug	47,949	639	67,557	1,058	54,282	1,020
Sep	45,017	609	42,807	480	41,604	748
Oct	37,945	552	44,919	670	30,673	414
Nov	36,051	448	92,683	1,303	29,053	536
Dec	111,412	1,439	138,994	2,197	67,096	1,144
Total	855,617	10,655	986,219	13,954	841,826	15,806

* In Kg ** in thousand US dollar

Table 12. Import of Ground Cardamoms by United States of America

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	19,424	161	15,008	340	8,542	162
Feb	9,144	133	17,516	343	30,524	733
Mar	9,462	109	33,335	545	35,260	606
Apr	8,795	127	43,556	768	46,430	672
May	6,730	145	40,540	948	64,067	637
Jun	19,497	338	7,288	145	25,836	476
Jul	4,646	95	16,319	278	15,383	114
Aug	14,294	290	70,281	701	22,558	307
Sep	14,296	295	20,150	305	42,377	881
Oct	3,646	98	20,477	322	61,761	1,196
Nov	4,300	95	8,968	207	69,862	630
Dec	11,056	268	23,343	358	10,435	120
Total	125,290	2,154	316,781	5,260	433,035	6,534

* In Kg ** in thousand US dollar



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Table 13. Total Import Cardamoms by United States of America

Year	Quantity*	Value**
2017	980,907	12,809
2018	1,303,000	19,214
2019	1,274,861	22,340

* In Kg ** in thousand US dollar

Chart 6

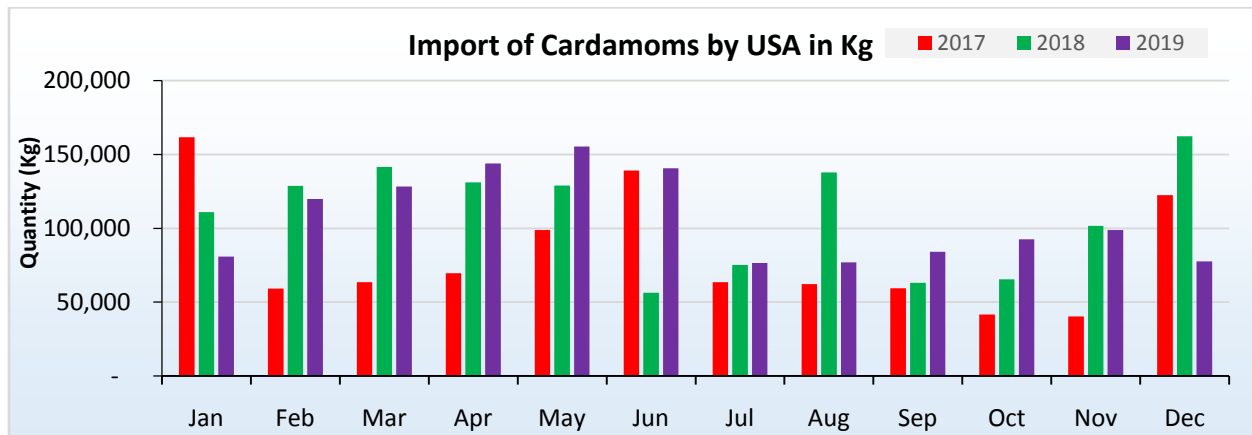
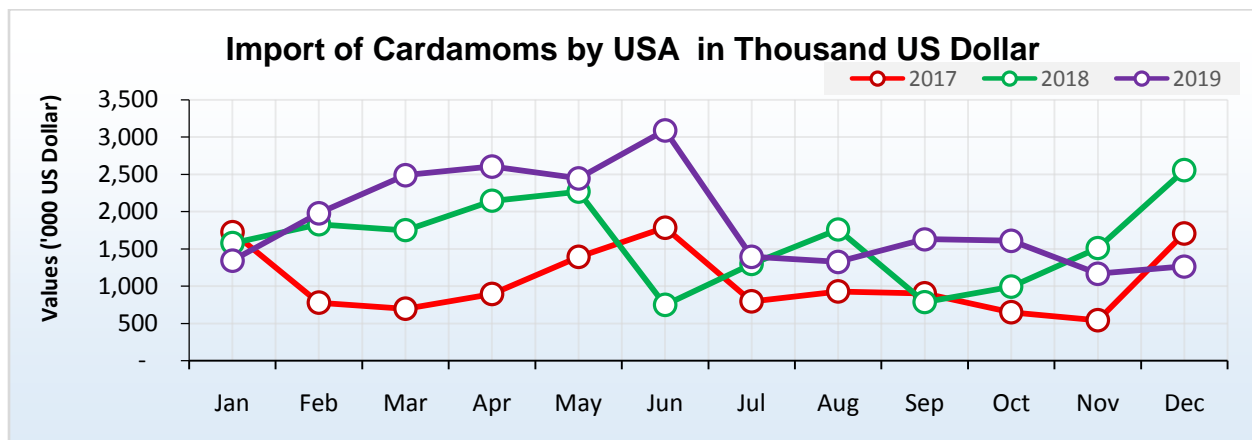


Chart 7



➤ **United Kingdom**

United Kingdom is one of European country which actively imports cardamoms from various cardamoms producing countries for its domestic consumption or for re-export purpose. In 2017, United Kingdom was reported to have imported a total of 727,685 Kg of cardamoms which 95% or 688,238 Kg of it comprised of whole cardamoms while 5% or 39,447 Kg of it was ground cardamoms. The average import by United Kingdom



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in 2017 was reported to be 60,640 Kg per month with the highest quantity recorded in December with 148,911 Kg. The total expenditure of import of cardamoms by United Kingdom was reported to be as high as USD 8.8 Million, recording an average price of the total cardamoms imported by United Kingdom at USD 12.3 per Kg for whole cardamoms and USD 9.6 Per Kg for ground cardamoms.

Year 2018 saw a decreasing trend in term of quantity of cardamoms imported by United Kingdom. United Kingdom was reported to have imported a total of 695,552 Kg which 95% or 663,814 Kg comprised of whole cardamoms and 5% or 31,738 Kg of ground cardamoms. Thus, recording a decrease by 4% as compared to the same period in 2017. On average United Kingdom was reported to have imported 57,963 Kg per month which peaked in April with 128,024 Kg. Although decreasing in term of quantity, United Kingdom's expenditure for cardamoms import was reported to have increased by 5% to a total of USD 9.2 Million, recording an average price of the total cardamoms imported by United Kingdom at USD 13.1 per Kg for whole cardamoms and USD 17.1 per Kg for ground cardamoms or an increase of 7% and 77% respectively as compared with 2017.

Cardamoms import by United Kingdom in 2019 was reported with an increase of 17% as compared to 2018, totalling at 810,381 Kg which 94% or 763,765 Kg comprised of whole cardamoms and 6% or 46,616 Kg of ground cardamoms. The total expenditure of cardamoms import by United Kingdom in 2019 was reported with an increase of 39% as compared to the previous year totalling at USD 12.9 Million, recording an average price of the total cardamoms imported by United Kingdom at USD 15.8 per Kg for whole cardamoms and USD 17.1 per Kg for ground cardamoms or an increase of 21% for whole cardamoms and stable for ground cardamoms as compared with 2018.

The top five countries of origins of United Kingdom's cardamoms in 2019 were reported to be Guatemala with 457,032 Kg, India with 173,750 Kg, Netherlands with 44,690 Kg, United States of America with 32,300 Kg and Panama with 21,000 Kg.

Table 14. Import of Whole Cardamoms by United Kingdom

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	110,681	1,601	70,455	974	163,150	2,482
Feb	72,905	816	58,772	704	85,716	1,281
Mar	51,111	476	91,140	1,004	106,972	1,733
Apr	62,532	870	126,138	1,716	111,287	1,515
May	54,983	760	40,215	570	45,104	789
Jun	13,239	194	30,818	506	55,931	994
Jul	49,016	704	44,344	596	14,401	262
Aug	20,094	178	82,053	1,079	41,041	803
Sep	45,238	418	17,179	182	38,805	764
Oct	7,304	136	18,408	295	14,917	269
Nov	55,231	491	34,804	485	51,423	548
Dec	145,904	1,847	49,488	627	35,018	676
Total	688,238	8,491	663,814	8,738	763,765	12,116

* In Kg ** in thousand US dollar



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Table 15. Import of Ground Cardamoms by United Kingdom

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	3,883	46	4,704	65	935	24
Feb	671	7	1,679	8	4,386	48
Mar	1,556	19	1,202	28	8,433	164
Apr	2,499	14	1,886	37	1,777	65
May	4,877	14	1,891	39	2,402	65
Jun	2,739	38	1,218	28	6,683	61
Jul	1,748	4	1,452	27	1,723	33
Aug	6,442	93	2,468	56	8,989	129
Sep	6,408	37	2,911	95	1,871	37
Oct	2,325	29	4,879	52	2,160	56
Nov	3,292	30	2,688	41	4,723	61
Dec	3,007	51	4,760	69	2,534	57
Total	39,447	382	31,738	545	46,616	800

* In Kg ** in thousand US dollar

Table 16. Total Import Cardamoms by United Kingdom

Year	Quantity*	Value**
2017	727,685	8,873
2018	695,552	9,283
2019	810,381	12,916

* In Kg ** in thousand US dollar

Chart 8

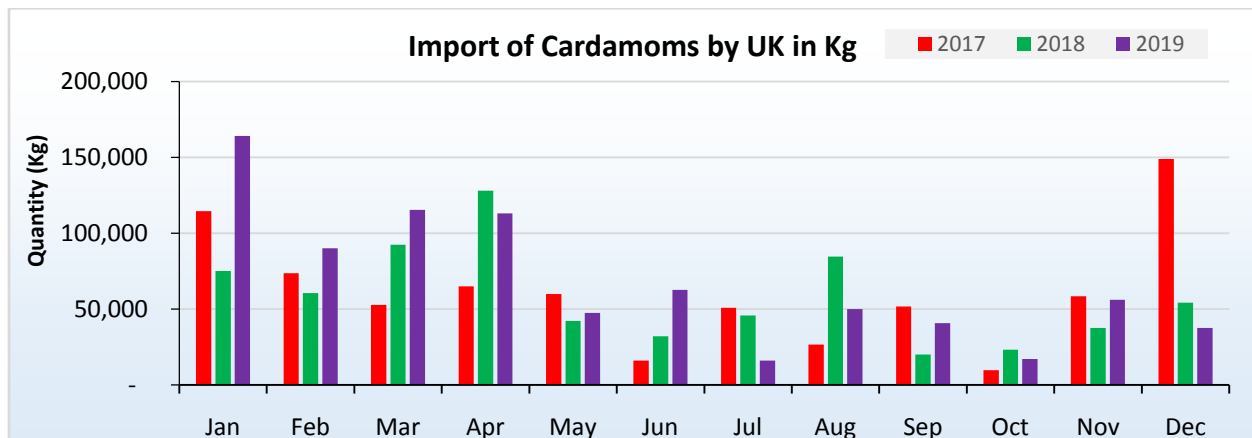
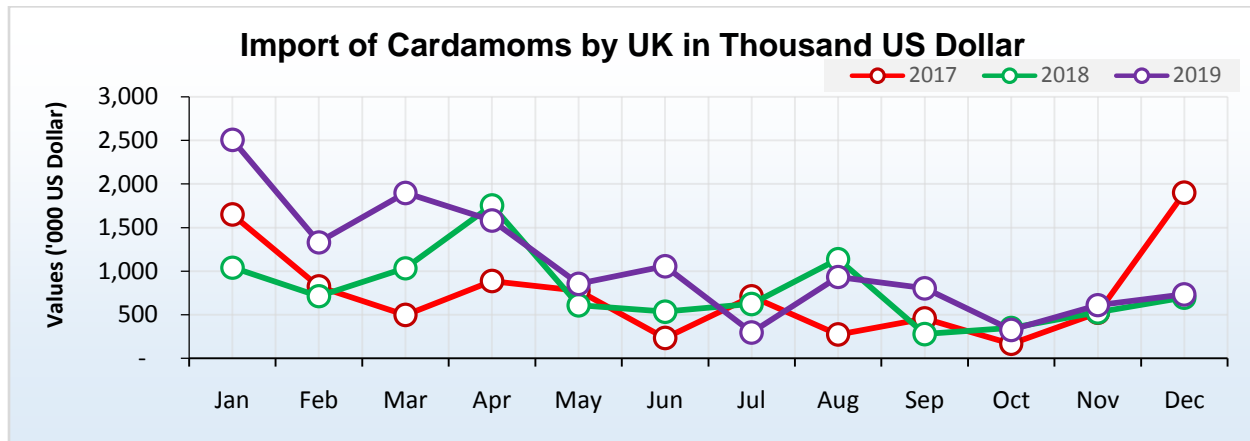




Chart 9



➤ India

Although India known to be one of the major cardamoms producing countries in the world, India was also reported to actively import cardamoms from other origins for the purpose of domestic consumption as well as for industry-use. In 2017, India was reported to have imported a total of 6,319,193 Kg of cardamoms which 98% or 6,178,379 Kg of it comprised of whole cardamoms while 2% or 140,814 Kg of it was ground cardamoms. The average import by India in 2017 was reported to be 526,599 Kg per month with the highest quantity recorded in December with 846,595 Kg. The total expenditure of import of cardamoms by India was reported to be as high as USD 57.8 Million, recording an average price of the total cardamoms imported by India at USD 9.2 per Kg for whole cardamoms and USD 6.8 Per Kg for ground cardamoms.

Year 2018 saw a decreasing trend in term of quantity of cardamoms imported by India. India was reported to have imported a total of 5,041,625 Kg which 97% or 4,885,051 Kg comprised of whole cardamoms and 3% or 156,574 Kg of ground cardamoms. Thus, recording a decrease by 20% as compared to the same period in 2017. On average India was reported to have imported 420,135 Kg per month in 2018 which peaked in January with 1,086,790 Kg. In accordance with decreasing in term of quantity, India's expenditure for cardamoms import was also reported to have decreased by 23% to a total of USD 44.7 Million, recording an average price of the total cardamoms imported by India at USD 8.7 per Kg for whole cardamoms and USD 11.4 per Kg for ground cardamoms or a decrease of 5% for whole cardamoms and an increase of 67% for ground cardamoms as compared with 2017.

Cardamoms import by India in 2019 was reported with an increase of 3% as compared to 2018, totalling at 5,175,728 Kg which 98% or 5,052,936 Kg of it comprised of whole cardamoms and 2% or 122,792 Kg of ground cardamoms. The total expenditure of cardamoms import by India in 2019 was reported with an increase of 1% as compared to the previous year totalling at USD 44.9 Million, recording an average price of the total cardamoms imported by India at USD 8.2 per Kg for whole cardamoms and USD 26.2 per Kg for ground cardamoms or a decrease of 6% for whole cardamoms and an increase of 129% for ground cardamoms as compared with 2018.



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The top five countries of origins of India's cardamoms in 2019 were reported to be Nepal with 2,946,902 Kg, United Arab Emirates with 692,581 Kg, Bhutan with 611,643 Kg, Guatemala with 345,841 Kg and Singapore with 221,025 Kg.

Table 17. Import of Whole Cardamoms by India

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	655,690	6,650	1,080,632	10,853	257,871	2,084
Feb	600,646	5,719	473,355	4,501	273,758	2,669
Mar	561,318	5,624	331,890	2,915	147,830	1,741
Apr	661,800	6,767	473,250	4,155	98,034	1,078
May	524,555	4,634	559,347	4,722	165,521	2,103
Jun	172,540	1,530	446,016	3,653	549,478	4,365
Jul	306,580	3,310	335,975	2,678	800,149	6,374
Aug	438,267	3,846	323,104	2,545	257,871	2,073
Sep	494,858	4,228	268,100	2,372	768,547	5,763
Oct	342,045	2,859	197,320	1,457	497,000	3,855
Nov	578,485	4,612	198,200	1,521	620,925	4,659
Dec	841,595	7,143	197,862	1,545	615,952	4,975
Total	6,178,379	56,922	4,885,051	42,917	5,052,936	41,739

* In Kg ** in thousand US dollar



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Table 18. Import of Ground Cardamoms by India

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	-	-	6,158	20	4,000	64
Feb	13,885	43	10,860	94	-	-
Mar	54,952	552	4,299	1	-	-
Apr	37,727	103	17,000	230	-	-
May	2,010	1	11,080	39	3,508	18
Jun	3,375	-	2,330	20	56,355	1,226
Jul	-	-	15,725	28	23,700	668
Aug	2,980	1	9,090	130	4,000	63
Sep	-	-	27,000	432	1,190	32
Oct	14,630	169	15,672	210	14	268
Nov	6,255	17	33,520	584	10,025	294
Dec	5,000	79	3,840	4	20,000	585
Total	140,814	965	156,574	1,792	122,792	3,218

* In Kg ** in thousand US dollar

Table 19. Total Import Cardamoms by India

Year	Quantity*	Value**
2017	6,319,193	57,887
2018	5,041,625	44,709
2019	5,175,728	44,957

* In Kg ** in thousand US dollar



Chart 10

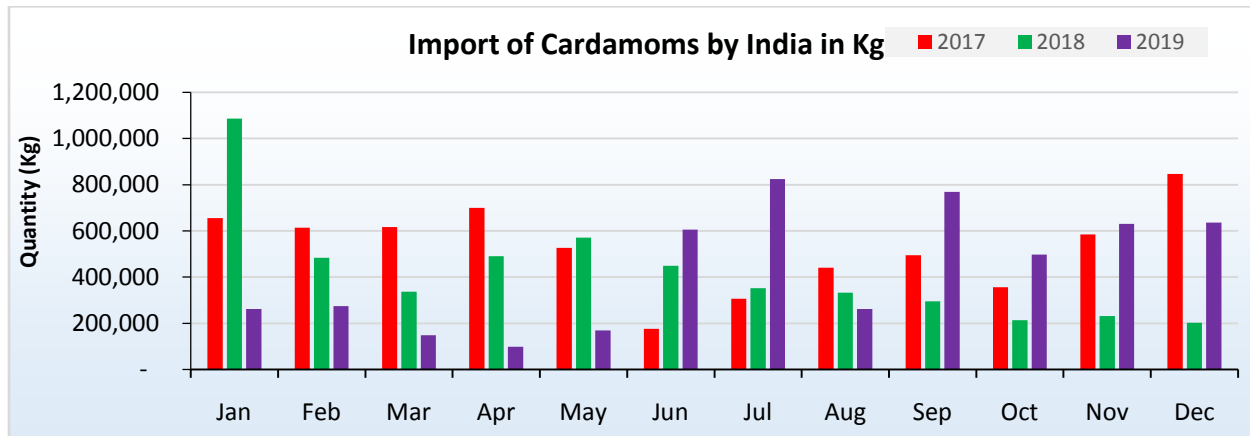
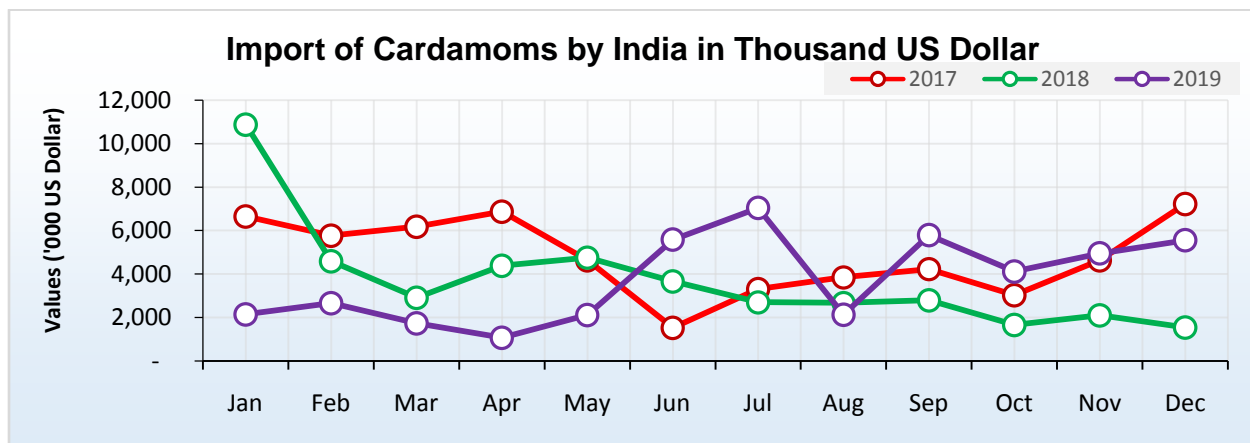


Chart 11



➤ **Other Consuming Countries**

In 2017, other consuming countries (the rest of the world) were reported to have imported a total of 11,437,938 Kg of cardamoms which 91% or 10,374,884 Kg of it comprised of whole cardamoms while 9% or 1,063,054 Kg of it was ground cardamoms. The average import by other consuming countries in 2017 were reported to be 953,162 Kg per month with the highest quantity recorded in February with 1,218,118 Kg. The total expenditure of import of cardamoms by other consuming countries were reported to be as high as USD 100.1 Million, recording an average price of the total cardamoms imported by other consuming countries at USD 8.5 per Kg for whole cardamoms and USD 10.5 Per Kg for ground cardamoms.

Year 2018 saw an increasing trend in term of quantity of cardamoms imported by other consuming countries. Other consuming countries were reported to have imported a total of 12,127,293 Kg which 92% or 11,123,212 Kg of it comprised of whole cardamoms and 8% or 1,004,081 Kg of it ground cardamoms. Thus, recording an increase of 6% as compared to the same period in 2017. On average other consuming countries were



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reported to have imported 1,010,608 Kg per month in 2018 which peaked in January with 1,450,334 Kg. In accordance with increasing in term of quantity, other consuming countries expenditure for cardamoms import were also reported to have increased by 12% to a total of USD 112.4 Million, recording an average price of the total cardamoms imported by other consuming countries at USD 8.9 per Kg for whole cardamoms and USD 12.9 per Kg for ground cardamoms or an increase of 4% and 22% respectively as compared with 2017.

Cardamoms import by other consuming countries in 2019 were reported with a decrease by 34% as compared to 2018, totalling at 7,989,199 Kg which 88% or 6,993,247 Kg of it comprised of whole cardamoms and 12% or 995,952 Kg of ground cardamoms. The total expenditure of cardamoms import by other consuming countries in 2019 were reported with a decrease of 2% as compared to the previous year totalling at USD 110.3 Million, recording an average price of the total cardamoms imported by other consuming countries at USD 13.3 per Kg for whole cardamoms and USD 17 per Kg for ground cardamoms or an increase of 49% and 32% respectively as compared with 2018.

The five top importers of cardamoms of other consuming countries in 2019 were reported to be Pakistan with a total of 1,207,550 Kg, Netherlands with 973,878 Kg, Germany with 884,000 Kg, China with 759,293 Kg and Malaysia with 449,876 Kg.

Table 20. Import of Whole Cardamoms by Other Consuming Countries

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	1,044,638	8,012	1,394,005	12,145	1,039,912	10,746
Feb	1,133,122	9,381	1,031,582	10,727	988,767	12,164
Mar	1,042,073	8,713	1,196,290	12,057	819,982	9,214
Apr	821,108	7,245	1,066,846	10,843	829,327	10,437
May	861,090	7,972	1,013,120	9,938	480,213	8,074
Jun	724,748	6,466	904,498	9,316	426,062	7,260
Jul	635,284	5,960	918,266	7,223	338,515	5,089
Aug	772,385	7,007	796,162	7,347	364,723	5,541
Sep	740,746	6,662	790,725	4,940	256,803	3,765
Oct	808,899	7,029	656,492	4,055	510,727	6,547
Nov	899,801	6,865	635,819	4,633	509,401	6,902
Dec	890,990	7,623	719,407	6,229	428,815	7,634
Total	10,374,884	88,935	11,123,212	99,453	6,993,247	93,373

* In Kg ** in thousand US dollar



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Table 21. Import of Ground Cardamoms by Other Consuming Countries

Month	2017		2018		2019	
	Quantity*	Value**	Quantity*	Value**	Quantity*	Value**
Jan	88,543	707	56,329	695	75,850	1,231
Feb	84,996	1,064	76,277	966	100,353	1,565
Mar	67,146	718	112,680	1,295	91,539	1,672
Apr	92,993	930	75,133	1,064	104,287	1,808
May	70,680	841	43,309	588	100,036	1,506
Jun	59,166	497	80,755	1,041	106,799	1,308
Jul	70,814	777	93,505	1,332	71,771	1,356
Aug	129,498	802	92,890	1,183	77,772	1,223
Sep	78,620	1,038	97,131	1,130	65,041	1,037
Oct	144,153	1,773	131,466	1,386	79,193	1,593
Nov	82,466	1,038	69,112	1,034	68,357	1,336
Dec	93,979	1,052	75,494	1,242	54,954	1,354
Total	1,063,054	11,237	1,004,081	12,956	995,952	16,989

* In Kg ** in thousand US dollar

Table 22. Total Import Cardamoms by Other Consuming Countries

Year	Quantity*	Value**
2017	11,437,938	100,172
2018	12,127,293	112,409
2019	7,989,199	110,362

* In Kg ** in thousand US dollar



Chart 12

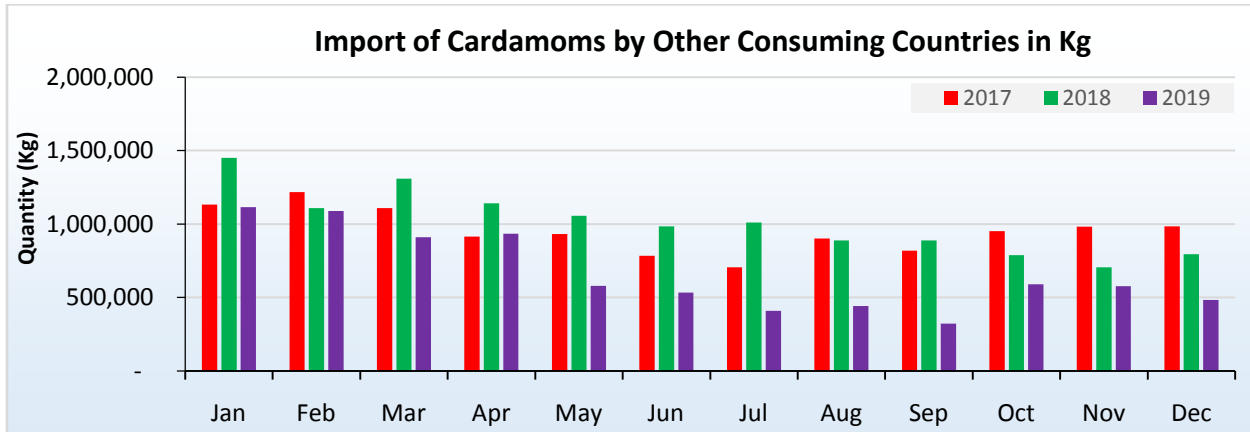
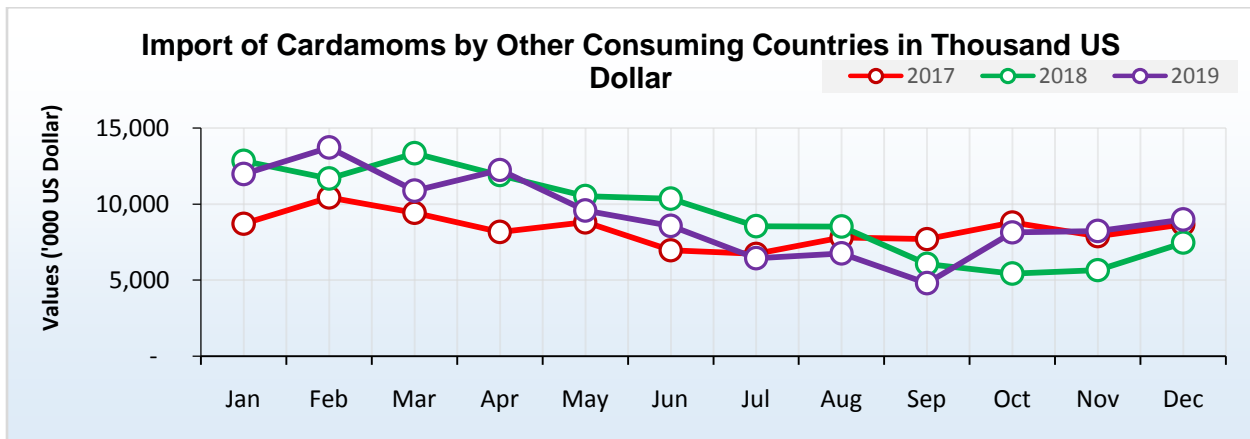


Chart 13



Source:

- Spices Board India (Ministry of Commerce and Industry, Government of India)
- International Trade Centre (ITC) – Geneva
- Food and Agricultural Organization (FAO)
- Agricultural Commodity Export-Import Database, Ministry of Agriculture of the Republic of Indonesia
- Agricultural Commodity Price Information, Ministry of Agriculture of the Republic of Indonesia
- Directorate General of Estate Crops, Ministry of Agriculture of the Republic of Indonesia

Note: Some of the data in this publication are from the IPC database. The data are obtained from official reports and correspondence between the IPC and relevant parties and have been processed based on statistical norms that can be accounted for.