

INDIA**COUNTRY PAPER ON PEPPER PRODUCTION, PROCESSING AND TRADE*****1. Introduction***

Black pepper is one of the important agricultural commodities of trade in India since pre-historic period. The crop is the major source of income and employment for rural households in the predominantly pepper growing areas. More than 0.25 million farm families are involved in pepper cultivation in the states of Kerala, Karnataka, Tamil Nadu and North Eastern region. Kerala accounts for 40% of the total pepper production in the country. Pepper is mainly grown as mixed crop with coconut, arecanut, coffee, cardamom etc. Monocropping in pepper is limited to very small area in India.

2. Production***2.1 Current status of Pepper Production***

Pepper is grown;

- as a backyard crop
- as a mixed or intercrop trailed on various trees in the garden and homesteads
- as a pure crop on slopes and in valleys of low hills
- as a mixed crop on shade trees in cardamom, tea and coffee plantations

Commonly observed cultivation system is the “extensive homestead cultivation” where pepper cultivation is taken up as a secondary crop interspersed with several other crops. ‘Panniyur - 1’ and ‘Karimunda’ are the most popular varieties of pepper grown in India.

Organic Production

Since the market for organic products is gradually registering an upward trend, Spices Board has taken initiatives to promote organic cultivation of pepper at suitable locations through; providing technical know-how on organic cultivation, Financial support for organic cultivation & certification and establishment of vermicompost units, Training on Organic cultivation to farmers, NGO’s and Officers of State Agriculture/Horticulture Departments.

a) Acreage of Pepper under cultivation for the year of 2010 and 2011 (in Ha)

Year	New Planting	Productive Area	Non productive Area	Total
2010	17,636	181,350	NA	198,986
2011	NA	NA	NA	NA

b) Distribution of Pepper cultivation for the year 2010 AND 2011 (in Ha)

State/Province	2010	2011
Kerala	171,489	NA
Tamil Nadu	2,789	NA
Karnataka	19,706	NA
Others	5,002	NA
Total	198,986	NA

c) Production of Black and White Pepper for the year of 2010 - 2012 in MT

Year	Black	White	Total
2010	49,000	1,000	50,000
Estimate 2011	46,900	1,100	48,000
Projection 2012	41,500	1,500	43,000

2.2 Factors affecting current Production and Productivity of Pepper holdings

- Lack of quality planting material
- Small and marginal holding
- Existence of senile and unproductive vines
- Losses due to pest and disease attack and lack of awareness about disease management
- Non mechanization of farming activities
- High cost of inputs
- Labour shortage leading to reduced new planting
- Weather conditions
- Non-adoption of appropriate agronomic practices
- Lack of long-term investments for improving the crop
- Unsteady market with price fluctuations

To face these challenges in pepper production and productivity, Spices Board has taken up the following measures;

- Replantation and rejuvenation of pepper farms
- Thrust on farm mechanization
- Training for growers, traders NGO's and officers of State Agriculture/Horticulture departments on GAP, Quality improvement and Value addition
- Establishment of Spices Park for full line processing
- Trade promotion and development in both national and international level

3. Processing and Product Development

The crop takes about 8-10 months from flowering to harvest. The harvest season extends from January to March. Harvesting is done by hand picking of the spikes from the vines. The berries are separated from the spikes physically or by using mechanical threshers and dried in the sun / concrete floor / bamboo mat / polythene sheets till it is crisp. Properly dried pepper is cleaned and packed in clean gunny bags and stored hygienically. Graded or garbled Pepper and un-graded pepper are stored separately stacked in warehouse, where wooden planks are used on the floors.

In order to facilitate post harvest activities and for getting clean, quality end product for the industry, Spices Board has established Spices Park, at Puttady, Kerala which offers full line processing of pepper involving cleaning, grading, sorting, grinding, packing etc. apart from warehousing facility. The infrastructure facilities available at Spices Park Puttady are already being well utilized by farmers, traders and exporters. The initiative has helped both the farmers and exporters by shortening the distribution channel and by establishing the traceability.

4. Trade

4.1 Current status of Pepper Exports from India

a) Export of Pepper from India

(Volume in MT & Value in USD million)

Year	Year 2010		Year 2011 (Till September)	
	Volume	Value	Volume	Value
January	1376.12	5.22	1674.52	8.76
February	1389.49	4.73	1348.82	6.88
March	1417.14	5.15	2235.52	11.99
April	1590.34	5.66	2266.62	12.37
May	1415.37	5.28	1894.32	11.04
June	1671.91	6.27	2203.87	13.34
July	2025.77	7.51	1435.71	9.54
August	899.85	3.63	1442.85	9.04
September	1257.02	5.32	2024.1	13.34
October	1175.97	5.46		
November	1646.33	7.97		
December	1908.17	9.53		
Total	17773.5	71.75	16526.3	96.29

b) Estimate of total exports for 2011 and projections for 2012 (in MT)

	2010 Actual	2011 Estimate	2012 Projection
Pepper	17,773	23,500	21,000

c) Types of Pepper products produced in India

Indian Pepper Industry is well oriented towards Value added production over the years. It produces Milled/Crushed Pepper, Ground Pepper, White Pepper, Dehydrated Green Pepper, Freeze Dried Green Pepper, White Pepper Powder, Pepper in Brine, Green Pepper Pickle, Pink Pepper in Brine, Pepper Oil, and Pepper Oleoresin.

d) Exports of Pepper and other Pepper products by country of destination, volume and value during 2010 and Estimate for 2011 (As attached in Annex. I)***4.3 Import of Pepper******a) Estimates of total Imports for 2011 and Projections for 2012 (in MT)***

	2010 Actual	2011 Estimate	2012 Projection
Pepper	17,180	14,000	14,000

b) Imports of Pepper and Pepper products by country of destination, volume and value during 2010 and Estimate for 2011 (As attached in Annex. II)

Summary on Production, Exports, Imports, Domestic consumption and Carry-over stock of Pepper in 2010, Estimates for 2011 and Projections for 2012 (in MT)

		Total	Black Pepper	White Pepper
2010	Stock B/F	11463	11413	50
	Production	50000	49000	1000
	Import	17180	16462	718
	Domestic Consumption	44000	43750	250
	Exportable Surplus	34643	33125	1518
	Export	17773	16470	1303
	Stock C/F	16870	16655	215
2011 (Estimate)	Stock B/F	16870	16655	215
	Production	48000	46900	1100
	Import	14000	13250	750
	Domestic Consumption	40000	39250	750
	Exportable Surplus	38870	37555	1315
	Export	23500	22300	1200
	Stock C/F	15370	15255	115
2012 (Projection)	Stock B/F	15370	15255	115
	Production	43000	41500	1500
	Import	14000	13000	1000
	Domestic Consumption	40000	39000	1000
	Exportable Surplus	32370	30755	1615
	Export	21000	19700	1300
	Stock C/F	11370	11055	315

5. Issues in Pepper

6.1 Production of Pepper

Major Pest and Disease which are affecting the Pepper in India are;

Pests - Pollu Beetle (*Longitarsus nigripennis*), Top Shoot Borer (*Cydia hemidoxa*), Leaf Gall thrips (*Liothrips Karnyl*), Scale Insects (Diaspididae), Plant parasitic Nematodes, Mealy bug, Wasp attack in Erythrina,

Diseases - Foot rot, Pollu Disease (Anthracnose), Little leaf, Slow decline.

Spices Board has taken prophylactic measures to tackle the seasonal pest issues by giving IPM (Integrated Pest Management) kits to farmers.

6.2 Trade of Pepper within Country and Overseas

Factors Influencing Pepper Trade are;

- The production of other pepper producing countries
- Prices prevailing in major market centres
- Carry over stocks
- Import of pepper

As the Food industry is gaining momentum all over the world by finding new horizons in value addition, processing etc. Indian Pepper is also keeping pace with the food industry by the way of value addition. Export of value added products is progressively increasing over the years.

6.3 Marketing Channels

Pepper marketing channels consists of growers, Middle men, Commodity exchanges of Forward Market Commission, exporters and the domestic market. The most widely practiced marketing channel is collecting directly from the producers by the local merchants, whole sale traders and then the exporters who is the final link in the chain. The private sector operation is mainly through commission agents who collect the produce from the small farmers and dispose of these produce to the retail trade, at a price determined by demand and supply.

6.4 GI Registration

GI registration for 'Malabar Pepper' has been taken by Spices Board.

6.5 Domestic Consumption

Average domestic consumption in India, including industrial usage is about 40,000 to 45,000 MT.

7. Development Programme for Pepper

7.1 Production Programmes

Low production and productivity are the main concerns for Indian Pepper Industry. To face these challenges and to increase production and productivity of Pepper a Project has been implemented in Idukki Dist. & Wayanad dist. of Kerala and North Eastern states through the assistance from Ministry of Agriculture and Ministry of Commerce respectively.

Continuous research is carried out towards mechanising the production and post harvest Operations. Transfer of technology is also essential for increasing the productivity. Extension advisory service is established by Spices Board to support growers on the scientific aspects of cultivation through personal contact, field visits, group meetings and through distribution of literature in vernacular languages. Mobile Agri-clinic service is also available to provide technical support to the farmers at field level.

7.2 Quality Improvement Programmes

- a) Spices Board provides assistance for the purchase of mechanical pepper threshers.
- b) Spices Board provides support to farmers for drying pepper in a hygienic surface by supplying Bamboo mats/polythene sheets and by assisting for the construction of concrete drying yards.
- c) Spices Board is establishing crop specific Spices Park at major producing centres with the objective of providing common infrastructure facilities for both post harvest and processing operations of spices, which also aims at backward integration for quality improvement. One such Spices Park is established in Puttady, Kerala mainly to serve the Pepper and Cardamom growers of the region. It involves full line processing containing cleaning, grading, sorting, grinding, packing and sterilization.
- d) For ensuring the quality of the pepper it is essential to take necessary care at every stage in production and post harvest operations. To achieve the same GAP training is provided to rural unemployed youth and Quality improvement training programmes are organized for farmers, traders, NGO's, and officers of State Agriculture/Horticulture departments.

7.3 Research on Pepper

Continuous research on Varietal development, production, productivity, pest & disease management, and post harvest management is a key area which is most needed to keep the Pepper Industry on track to face the challenges on the world market. IISR (Indian Institute of Spices Research), Panniyur Research Station of Kerala Agricultural University, and many Agricultural Universities in other states of the country are involved in research on Pepper. Spices Board has entrusted Amala Cancer Research Institute to conduct Clinical studies to establish medicinal properties of oils of pepper for treatment of cancer.

7.4 Insurance Coverage

Spices Board is authorised to implement a Personal Accident Insurance scheme of Price Stabilization Fund Trust of Government of India for small and marginal growers and labourers in Spices with subsidized premium.

8. Quality Assurance

The first Quality Evaluation Laboratory was established in 1988 at Cochin for providing analytical services to the Indian Spice industry. Presently it is an ISO –17025 & 14000 certified lab which is well equipped to provide all the physical, chemical and microbiological analysis to the Spice industry. Quality Evaluation Lab of Cochin is a regular participant in Codex Committee meetings. It also conducts training for the technical persons from the industry on physical, chemical and microbiological analysis. Apart from Cochin full fledged

Regional Quality Evaluation labs are functioning at Mumbai, Guntur and Chennai and Quality Evaluation labs are underway in Delhi, Tuticorin, and Kandala.

9. Conclusion

Indian Pepper is known for its superior intrinsic quality. The Pepper industry is strongly supported by high domestic demand. The industry is well equipped to cater the increasing global demand, changes in consumption pattern, increased demand for value added product, and for catering the needs of Organic consumers.

Future strategy for the Indian Pepper industry is to focus on our core strengths to grab the opportunities in the world market and to work towards strategic alliances with all the stakeholders.

The vision of Pepper Industry is to attain a production level of 100,000 tons by 2015 and to occupy at least 25% of the world market.

ANNEXURE I

COUNTRY-WISE EXPORT OF BLACK PEPPER CRUSHED/GROUND FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	224.10	470.94	177.53	475.19
ANGOLA	0.60	1.30	0.20	0.42
ALBANIA	4.00	6.11	-	-
BAHARAIN	9.88	21.64	4.72	14.10
BELGIUM	71.75	144.90	56.33	136.55
BRAZIL	11.88	16.04	-	-
BOTSWANA	0.07	0.15	-	-
BENIN	6.15	27.25	3.50	15.31
CANADA	92.73	185.98	140.85	365.37
CHINA	20.00	36.34	52.70	159.30
CYPRUS	0.01	0.02	-	-
DENMARK	95.85	151.60	48.26	96.19
ESTONIA	11.50	20.47	3.10	8.81
FINLAND	18.75	41.34	15.53	35.33
FRANCE	33.50	62.45	13.65	59.02
FIJI	0.01	0.03	-	-
GREECE	-	-	0.10	0.24
GERMANY	53.27	65.91	2.50	12.33
GAMBIA	10.27	18.45	0.02	0.05
GHANA	-	-	0.09	0.19
GUATEMALA	-	-	28.46	53.74
GUINEA	0.01	0.02	-	-
HUNGARY	0.50	0.84	-	-
HONGKONG	0.05	0.06	-	-

COUNTRY-WISE EXPORT OF BLACK PEPPER CRUSHED/GROUND FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
IRAQ	2.61	4.28	2.55	6.70
ITALY	80.08	141.17	82.00	179.91
IRELAND	3.15	16.43	10.02	20.32
IRAN	-	-	5.05	19.59
ISRAEL	20.12	39.83	8.62	27.07
JAPAN	71.08	163.15	76.66	231.71
KUWAIT	9.94	24.59	23.02	45.39
KOREA (SOUTH)	20.15	45.17	13.50	36.42
KENYA	-	-	0.04	0.14
LEBANON	0.02	0.11	-	-
MALDIVES	0.64	1.07	-	-
MALAYSIA	13.85	23.15	2.96	7.21
MEXICO	42.53	77.08	19.75	44.78
NORWAY	14.87	32.44	8.75	29.09
NETHERLANDS	0.34	0.89	15.13	52.66
NEW ZEALAND	27.28	62.09	18.80	57.39
NIGERIA	0.25	0.43	-	-
OMAN	3.73	7.59	2.35	5.32
POLAND	20.00	22.82	0.15	0.39
PHILLIPINES	1.00	1.86	13.00	15.03
QATAR	25.52	29.28	32.05	41.08
REUNION	1.01	3.08	-	-
RUSSIA	72.60	121.53	15.00	39.36
SINGAPORE	11.21	13.59	1.84	4.03
SWEDEN	110.93	178.36	39.03	86.57
SPAIN	5.25	14.62	9.38	27.70

COUNTRY-WISE EXPORT OF BLACK PEPPER CRUSHED/GROUND FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 3

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
SWITZERLAND	0.07	0.18	-	-
SENEGAL	0.02	0.04	-	-
SEYCHELLES	1.00	2.00	1.25	2.71
SOUTH AFRICA	1.12	1.32	20.02	56.32
SUDAN	0.01	0.02	-	-
SAUDI ARABIA	49.34	100.67	40.67	107.06
THAILAND	33.68	80.57	24.98	71.78
TANZANIA	0.80	0.64	0.03	0.10
TOGO	0.02	0.05	-	-
TAIWAN	1.85	3.59	26.25	47.85
U.S.A	2519.52	4397.69	1760.16	4998.45
U.K	685.46	1305.45	333.21	921.62
U.A.E	26.21	58.70	41.53	113.34
ZAMBIA	0.30	0.36	-	-
OTHERS	6.70	14.67	-	-
GRAND TOTAL	4550.64	8263.87	3195.32	8729.31

COUNTRY-WISE EXPORT OF DEHYDRATED GREEN PEPPER FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 1

2010 [JAN-DEC] COUNTRY	2011 [JAN-SEP]		QTY	VALUE
	QTY	VALUE		
AUSTRALIA	2.50	9.72	5.77	25.44
ARGENTINA	1.30	4.56	0.80	4.16
AUSTRIA	4.85	12.36	2.51	8.10
BULGARIA	0.50	1.32	-	-
BELGIUM	17.33	54.32	33.96	149.61
CANADA	7.13	24.28	7.37	26.50
ESTONIA	4.32	17.56	7.01	32.06
FRANCE	34.00	126.29	27.00	112.24
GREECE	3.54	10.54	3.53	16.70
GERMANY	200.54	629.79	192.44	758.99
HONGKONG	0.20	0.66	-	-
ITALY	26.64	69.57	34.99	138.43
ISRAEL	-	-	1.50	6.53
JAPAN	2.48	10.74	2.40	12.19
MALAYSIA	0.30	1.79	-	-
NORWAY	-	-	0.36	1.75
NETHERLANDS	120.62	389.81	108.44	414.78
NEW ZEALAND	0.50	2.53	1.93	6.27
POLAND	28.00	67.24	28.00	101.55
RUSSIA	2.70	7.63	1.50	5.51
SWEDEN	2.64	8.01	3.70	19.15
SPAIN	6.00	19.89	2.00	8.26
SWITZERLAND	2.00	5.44	-	-
SOUTH AFRICA	4.70	16.71	4.50	25.08
TURKEY	4.00	9.80	8.00	32.58
U.S.A	26.75	96.45	24.12	101.72
U.K	15.02	48.57	7.14	33.60
U.A.E	-	-	0.80	3.63
GRAND TOTAL	518.81	1647.29	509.77	2044.83

COUNTRY-WISE EXPORT OF FREEZE DRIED GREEN PEPPER FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 1

2010 [JAN-DEC] COUNTRY	2011 [JAN-SEP]			
	QTY	VALUE	QTY	VALUE
FRANCE	0.50	8.63	2.42	41.05
GERMANY	-	-	2.00	17.37
JAPAN	0.79	11.15	0.32	4.82
SOUTH AFRICA	2.62	28.01	2.60	29.85
TAIWAN	0.35	4.98	0.40	6.48
U.S.A	5.50	51.53	4.40	43.31
U.K	0.17	2.56	-	-
GRAND TOTAL	9.93	106.86	12.14	142.88

COUNTRY-WISE EXPORT OF GREEN PEPPER IN BRINE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
ARGENTINA	-	-	0.50	2.58
BELGIUM	24.35	22.07	29.38	30.69
CANADA	0.48	0.24	-	-
FRANCE	96.66	69.84	158.01	145.53
GERMANY	310.04	270.85	231.88	254.12
ITALY	104.11	95.98	20.75	24.66
ISRAEL	0.50	0.41	-	-
JAPAN	5.40	7.96	8.50	14.50
JORDAN	12.80	8.64	4.25	3.99
MOROCCO	14.00	23.66	48.00	69.97
MALAYSIA	-	-	0.30	0.47
NETHERLANDS	111.48	100.62	48.11	54.24
NEW ZEALAND	0.80	0.85	0.70	0.92
POLAND	9.00	7.92	17.76	17.42
SINGAPORE	0.60	0.36	-	-
SWEDEN	6.50	5.43	10.55	12.34
SPAIN	180.74	142.54	73.39	61.89
SOUTH AFRICA	9.78	11.62	2.00	10.55
TURKEY	27.20	20.86	-	-
U.S.A	0.69	0.98	0.15	0.35
U.K	95.35	87.97	93.22	96.71
GRAND TOTAL	1010.48	878.80	747.45	800.93

COUNTRY-WISE EXPORT OF PEPPER OIL FROM INDIA

(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	1.08	38.41	1.00	51.25
ARGENTINA	1.07	38.28	0.61	134.00
AUSTRIA	-	-	0.03	0.84
BULGARIA	0.05	1.87	0.05	2.37
BELGIUM	0.68	25.40	0.85	47.40
BRAZIL	3.18	111.46	1.22	59.91
CANADA	1.23	44.50	1.27	56.71
CHINA	1.50	52.13	0.81	40.00
COLOMBIA	0.35	12.16	0.12	4.38
DENMARK	0.17	6.70	0.13	7.63
EGYPT(A.R.E)	0.10	3.50	0.02	0.64
EL SALVADOR	-	-	0.16	1.63
FRANCE	3.78	147.38	3.67	200.48
GREECE	0.01	0.21	-	-
GERMANY	24.52	744.49	12.34	570.88
HUNGARY	0.10	3.45	0.03	1.86
HONGKONG	0.06	2.96	-	-
ITALY	2.20	77.30	1.08	55.19
INDONESIA	2.67	89.75	0.76	34.09
IRAN	0.60	19.84	-	-
ISRAEL	0.16	5.50	0.15	7.42
JAPAN	3.07	115.10	2.61	134.60
KOREA(SOUTH)	0.75	28.62	0.40	25.11
MEXICO	0.48	17.25	0.32	16.02
NETHERLANDS	3.73	125.42	5.29	243.97
NEW ZEALAND	0.07	2.56	0.05	2.09
PANAMA	-	-	0.06	1.89

COUNTRY-WISE EXPORT OF PEPPER OIL FROM INDIA

(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
POLAND	1.27	44.53	0.61	23.92
PAKISTAN	0.01	0.25	-	-
PHILLIPINES	0.01	0.24	0.01	0.23
ROMANIA	0.39	14.18	0.23	11.75
RUSSIA	2.13	84.18	0.67	31.91
SINGAPORE	0.98	35.88	0.94	38.47
SWEDEN	0.56	18.24	0.31	10.80
SPAIN	1.68	60.67	1.74	82.53
SWITZERLAND	3.17	110.57	2.10	91.06
SYRIA	0.03	1.19	0.02	0.77
SOUTH AFRICA	0.05	1.88	0.37	12.65
SERBIA	0.01	0.49	0.03	2.20
THAILAND	1.86	70.61	2.04	113.93
TURKEY	0.18	6.28	0.15	4.61
TAIWAN	0.01	0.22	0.11	5.42
U.S.A	18.26	627.86	17.92	756.56
U.K	6.26	210.61	5.85	257.62
GRAND TOTAL	88.47	3002.12	66.13	3144.79

COUNTRY-WISE EXPORT OF PEPPER OLEORESIN FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No:1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	17.80	184.10	17.20	263.71
ARGENTINA	3.16	35.96	3.35	61.90
AUSTRIA	29.15	248.13	7.52	63.48
BULGARIA	4.36	52.40	3.20	51.56
BELGIUM	16.11	145.79	3.18	55.94
BRAZIL	22.96	281.71	12.93	235.74
CANADA	37.21	355.64	15.53	217.76
CHINA	12.66	152.58	17.12	264.60
COLOMBIA	9.04	79.46	7.56	103.09
CHILE	2.73	32.25	3.56	71.97
COSTA RICA	0.58	7.58	0.33	4.30
CZECH REPUBLIC	1.30	17.58	0.52	11.14
DENMARK	10.14	88.16	8.04	111.79
EGYPT(A.R.E)	12.10	127.15	3.13	48.23
EL SALVADOR	0.01	0.14	-	-
ECUADOR	0.33	4.16	0.18	3.28
ESTONIA	14.12	113.39	17.17	213.34
FINLAND	8.32	108.25	6.49	103.21
FRANCE	23.78	220.50	17.43	244.07
GREECE	0.29	2.97	0.28	3.92
GERMANY	169.36	1679.09	169.83	2439.33
GUATEMALA	0.01	0.11	0.02	0.28
GEORGIA	0.04	1.01	0.05	1.22
HUNGARY	0.70	6.51	-	-
HONGKONG	3.79	36.94	0.62	8.11
ITALY	4.21	47.74	14.03	62.97
INDONESIA	5.99	57.38	3.55	55.98

COUNTRY-WISE EXPORT OF PEPPER OLEORESIN FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No:2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
IRELAND	14.40	110.96	9.40	67.31
IRAN	1.03	9.50	0.13	1.75
ISRAEL	11.61	116.05	4.05	78.91
JAPAN	7.47	117.70	4.75	95.38
KOREA (SOUTH)	21.66	251.95	18.49	254.75
KAZAKISTAN	0.01	0.10	-	-
MOROCCO	0.07	1.90	-	-
MALDIVES	0.30	0.68	-	-
MALAYSIA	2.09	41.53	1.09	30.29
MEXICO	14.84	171.05	9.74	149.92
NORWAY	0.30	3.71	0.22	2.88
NETHERLANDS	27.66	276.53	17.29	250.37
NEW ZEALAND	3.47	35.21	1.81	27.30
OMAN	0.01	0.11	0.02	0.37
PANAMA	0.22	2.67	0.46	10.24
POLAND	37.70	344.20	33.12	433.83
PERU	3.08	37.72	1.12	25.83
PHILLIPINES	23.08	256.03	20.05	344.23
ROMANIA	6.72	77.25	3.93	74.47
RUSSIA	56.02	737.74	26.75	524.97
SINGAPORE	4.77	48.71	11.19	181.79
SWEDEN	10.97	109.34	11.04	142.99
SPAIN	14.85	152.72	9.68	144.14
SWITZERLAND	6.15	76.24	6.98	118.74
SYRIA	1.10	14.15	0.65	15.95
SOUTH AFRICA	23.08	218.38	23.92	295.94
SRI LANKA	-	-	0.20	7.66

COUNTRY-WISE EXPORT OF PEPPER OLEORESIN FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 3

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
SAUDI ARABIA	0.33	2.17	0.21	3.21
SLOVAK REP	2.48	33.35	2.26	45.55
SERBIA	1.80	18.14	1.00	20.22
THAILAND	37.98	423.88	25.30	443.46
TURKEY	22.63	215.67	9.43	127.87
TAIWAN	2.89	31.01	1.08	19.77
U.S.A	405.49	4092.78	355.40	4538.91
U.K	98.63	768.37	67.05	843.59
URUGUAY	0.03	0.93	0.12	4.15
U.A.E	-	-	0.01	0.17
UKRAINE	0.30	4.56	0.51	12.76
UZBEKISTAN	-	-	0.04	1.10
VENEZUELA	5.10	56.31	1.80	20.03
VIETNAM	-	-	1.00	18.93
OTHERS	0.08	4.82	0.06	1.77
GRAND TOTAL	1280.65	12950.81	1014.17	14082.42

COUNTRY-WISE EXPORT OF WHITE PEPPER CRUSHED/GROUND FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	49.63	119.36	62.28	236.37
BAHARAIN	0.90	2.95	1.17	3.58
BELGIUM	29.88	89.64	18.50	59.67
BOTSWANA	-	-	0.16	1.09
BENIN	-	-	4.00	20.42
CANADA	2.11	5.35	1.07	4.64
DENMARK	22.63	51.07	-	-
ESTONIA	-	-	3.10	12.47
FINLAND	4.18	10.17	3.13	12.63
FRANCE	0.01	0.03	-	-
FIJI	0.01	0.02	-	-
GERMANY	4.55	17.33	-	-
GUATEMALA	-	-	3.00	9.80
ITALY	-	-	1.97	7.78
IRELAND	4.51	19.04	2.64	7.60
ISRAEL	22.43	60.15	0.05	0.19
JAPAN	1.90	6.31	1.14	5.00
KUWAIT	1.62	4.69	2.84	4.76
MALAYSIA	0.01	0.01	0.08	0.33
MEXICO	8.64	22.87	-	-
NORWAY	9.12	28.34	-	-
NETHERLANDS	-	-	4.65	17.33
NEW ZEALAND	1.27	4.17	2.20	10.50
OMAN	1.04	1.89	2.53	4.23
POLAND	8.60	23.62	-	-
PHILLIPINES	21.80	57.38	3.00	6.51
QATAR	0.71	2.74	0.14	0.70

COUNTRY-WISE EXPORT OF WHITE PEPPER CRUSHED/GROUND FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
SINGAPORE	0.35	0.60	0.10	0.39
SWEDEN	40.05	106.78	17.60	75.33
SPAIN	0.25	0.61	-	-
SOUTH AFRICA	1.03	4.90	75.50	247.29
SUDAN	0.01	0.03	-	-
SAUDI ARABIA	2.67	7.24	6.14	18.05
TANZANIA	0.09	0.53	0.28	0.75
TAIWAN	1.75	4.41	1.25	3.38
U.S.A	557.44	1251.39	457.63	1275.79
U.K	265.97	729.01	141.66	541.04
U.A.E	7.93	16.52	3.98	11.32
VIETNAM	61.00	110.44	16.25	15.93
ZAMBIA	0.75	0.86	-	-
OTHERS	0.50	1.36	-	-
GRAND TOTAL	1135.34	2761.82	838.04	2614.87

COUNTRY-WISE EXPORT OF BLACK PEPPER WHOLE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	142.33	254.18	191.75	429.33
ALBANIA	0.58	1.29	-	-
BULGARIA	-	-	27.60	59.03
BAHARAIN	17.77	38.56	23.44	63.12
BELGIUM	134.44	241.02	212.88	566.28
BRAZIL	1.54	5.51	-	-
BOTSWANA	-	-	0.10	0.45
BENIN	0.03	0.09	0.01	0.04
CANADA	895.66	1548.99	543.71	1353.29
CHINA	49.00	112.40	20.00	60.85
CYPRUS	12.01	26.48	4.00	9.73
CHILE	7.30	12.31	2.80	8.30
CONGO	0.08	0.17	-	-
CROATIA	25.00	53.23	64.00	130.64
CZECH REPUBLIC	20.00	46.30	10.00	21.56
DENMARK	35.34	64.70	47.31	90.38
DJIBOUTI	1.00	1.85	-	-
EGYPT (A.R.E)	-	-	39.80	77.92
ESTONIA	52.42	89.60	107.26	248.41
FINLAND	37.90	87.78	12.75	35.74
FRANCE	121.69	220.05	177.22	408.89
FIJI	0.50	1.19	0.13	0.39
GREECE	32.93	69.72	0.50	1.43
GERMANY	159.06	272.16	326.88	794.63
GHANA	0.60	0.86	0.09	0.23
GUYANA	-	-	-	-
HUNGARY	14.00	21.07	-	-

COUNTRY-WISE EXPORT OF BLACK PEPPER WHOLE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
HONGKONG	40.39	83.53	140.50	358.93
HONDURAS	-	-	4.00	3.55
ITALY	600.38	1083.03	519.25	1366.93
IRELAND	2.66	7.95	0.66	1.75
IRAN	110.10	233.33	131.38	396.17
ISRAEL	64.00	120.41	79.75	185.82
JAPAN	441.16	846.05	382.73	1035.04
JAMAICA	25.00	34.05	75.00	185.30
KUWAIT	58.31	105.80	78.05	183.93
KOREA (SOUTH)	0.21	0.48	1.29	4.15
KENYA	0.42	0.56	0.55	0.95
LEBANON	0.03	0.11	-	-
MALDIVES	3.61	6.65	0.10	0.24
MALAYSIA	109.43	201.65	75.20	198.68
MAURITIUS	4.55	8.77	2.05	5.37
MALI	-	-	0.07	0.23
NORWAY	44.62	92.69	68.37	201.86
NETHERLANDS	196.66	357.17	90.31	211.05
NEPAL	71.29	147.48	0.30	0.83
NEW ZEALAND	12.45	29.85	22.82	74.71
NIGERIA	0.11	0.25	-	-
OMAN	3.18	5.79	2.76	9.36
POLAND	158.00	314.16	152.60	315.75
PAKISTAN	31.11	69.37	94.23	271.63
PHILLIPINES	57.10	109.53	25.60	68.05
QATAR	17.83	27.38	26.29	65.67
RUSSIA	30.00	53.20	103.00	241.20

COUNTRY-WISE EXPORT OF BLACK PEPPER WHOLE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 3

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
SINGAPORE	187.14	292.95	267.01	603.56
SWEDEN	297.55	524.63	642.60	1649.02
SPAIN	124.08	225.78	140.40	353.09
SWITZERLAND	1.32	5.34	-	-
SENEGAL	0.01	0.04	-	-
SEYCHELLES	0.50	0.96	0.75	1.86
SOUTH AFRICA	315.14	453.76	365.06	949.90
SURINAM	-	-	1.00	3.17
SAUDI ARABIA	86.50	171.02	78.22	193.64
ST. KITTS	0.01	0.02	-	-
THAILAND	4.02	11.04	-	-
TOGO	0.02	0.06	0.02	0.09
TRINIDAD	-	-	0.30	0.74
TURKEY	43.65	73.46	65.00	209.77
TAIWAN	102.53	189.41	43.75	119.31
U.S.A	4043.30	7262.94	3529.25	9194.04
U.K	327.37	649.87	331.13	915.58
U.A.E	299.14	560.52	388.86	1079.41
UKRAINE	-	-	55.00	160.31
VENEZUELA	-	-	13.50	39.20
VIETNAM	704.50	1094.95	1185.01	3174.07
ZAMBIA	0.33	0.43	-	-
GRAND TOTAL	10380.89	18625.93	10995.95	28394.56

COUNTRY-WISE EXPORT OF WHITE PEPPER WHOLE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
AUSTRALIA	72.48	199.53	64.77	261.77
BELGIUM	0.08	0.39	0.08	0.50
CANADA	3.08	9.25	-	-
CHINA	2.00	7.43	-	-
CHILE	1.50	3.26	-	-
DENMARK	2.18	5.88	-	-
ESTONIA	-	-	0.63	2.51
FINLAND	8.05	26.96	8.73	35.87
FRANCE	0.83	3.43	3.75	21.24
FIJI	0.08	0.21	-	-
GERMANY	5.80	23.41	7.31	34.48
HUNGARY	2.50	5.56	-	-
HONGKONG	0.02	0.08	-	-
ISRAEL	1.00	2.50	-	-
JAPAN	6.60	22.19	0.05	0.28
KOREA (SOUTH)	3.00	3.03	-	-
KENYA	0.05	0.07	-	-
NORWAY	14.91	47.89	22.98	100.81
NETHERLANDS	0.07	0.29	3.60	15.28
NEW ZEALAND	0.20	0.69	-	-
PHILLIPINES	19.80	61.72	25.00	100.74
SINGAPORE	-	-	-	-
SWEDEN	1.20	2.95	0.29	1.42
SPAIN	1.25	4.20	4.45	17.50
SOUTH AFRICA	0.04	0.14	5.01	19.83
SAUDI ARABIA	-	-	1.00	1.71
THAILAND	-	-	1.00	5.16

COUNTRY-WISE EXPORT OF WHITE PEPPER WHOLE FROM INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 2

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
TAIWAN	-	-	17.18	34.49
U.S.A	15.68	38.49	36.31	123.67
U.K	3.69	14.25	3.30	14.14
U.A.E	-	-	22.40	89.18
OTHERS	1.50	3.80	-	-
GRAND TOTAL	167.59	487.61	227.84	880.58

ANNEXURE II

COUNTRY-WISE IMPORT OF BLACK PEPPER INTO INDIA

(QTY IN M.T ; VALUE IN RS.LAKHS)

Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
BRAZIL	25.00	34.29	-	-
INDONESIA	3348.51	4505.48	2584.36	5273.70
MADAGASCAR	44.15	61.17	8.33	10.35
SINGAPORE	-	-	24.29	53.99
SRI LANKA	7336.76	11971.87	4009.90	12538.77
THAILAND	14.01	11.04	-	-
VIETNAM	5694.42	8342.66	5345.81	12482.10
GRAND TOTAL	16462.85	24926.51	11972.69	30358.91

COUNTRY-WISE IMPORT OF WHITE PEPPER INTO INDIA
(QTY IN M.T ; VALUE IN RS.LAKHS) Pg No: 1

COUNTRY	2010 [JAN-DEC]		2011 [JAN-SEP]	
	QTY	VALUE	QTY	VALUE
CHINA	69.00	169.49	68.50	235.40
INDONESIA	183.45	385.02	161.76	549.34
VIETNAM	465.67	957.70	439.40	1568.17
GRAND TOTAL	718.12	1512.21	669.66	2352.91

