



Tropical Fruits of Bangladesh

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BANGLADESH

Political Map



Bangladesh is lying between $20^{\circ}34'$ to $26^{\circ}38'$ N latitude, and $88^{\circ}01'$ to $92^{\circ}41'$ E longitude

Bangladesh enjoys generally a sub-tropical monsoon climate.

Bangladesh at a glance

- Area : 147570 sq. km
- Population : about 160 million
- Population growth rate : 1.4%
- Density of population per sq. km : 980
- Total cultivable area: 8.5 million hectare
- Net cultivable area : 7.45 million hectare
- Cropping intensity : 190%
- Agriculture: Main contributor of GDP 20%

Climatic Conditions

- Rainfall

Yearly : 1194 mm to 3454 mm.

Average: 2300 mm.

- Temperature

In winter : Minimum average temp. : 10°C
Maximum average temp. : 25°C

In summer: Minimum average temp. : 27°C
Maximum average temp. : 36°C

- Solar radiation

Maximum (Winter) : 9 hrs/day.

Minimum (Monsoon) : 4-5 hrs/day.

Present Scenario of Fruit Production and Consumption

➔ No. of fruits grown	70
➔ Area	0.69 Million ha
➔ Total fruit production	10.60 Million ton
➔ Total fruit Import	0.53 Million ton
➔ Present consumption	78 g/day/person (39%)
➔ Recommendation	200 g/day/person
➔ Requirement (as per recommendation)	11.68 Million ton

Source : Department of Agriculture Extension, 2016

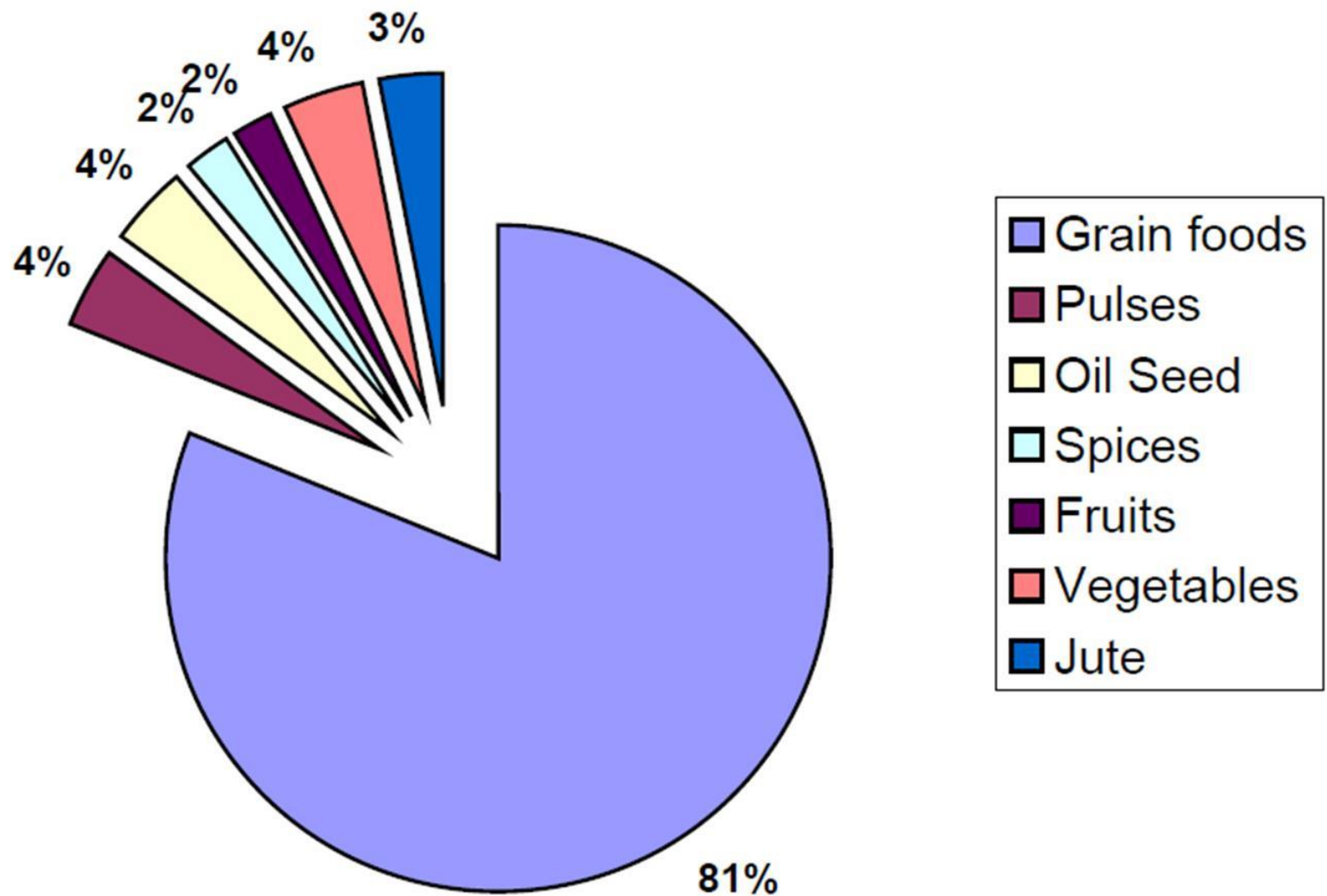


Fig. 1. Share of domestic crop sector

Annual Distribution of Fruit

Time	Availability (%)
January-April	19
May-August	60
September-December	21
Total	100

Source : BBS 2013

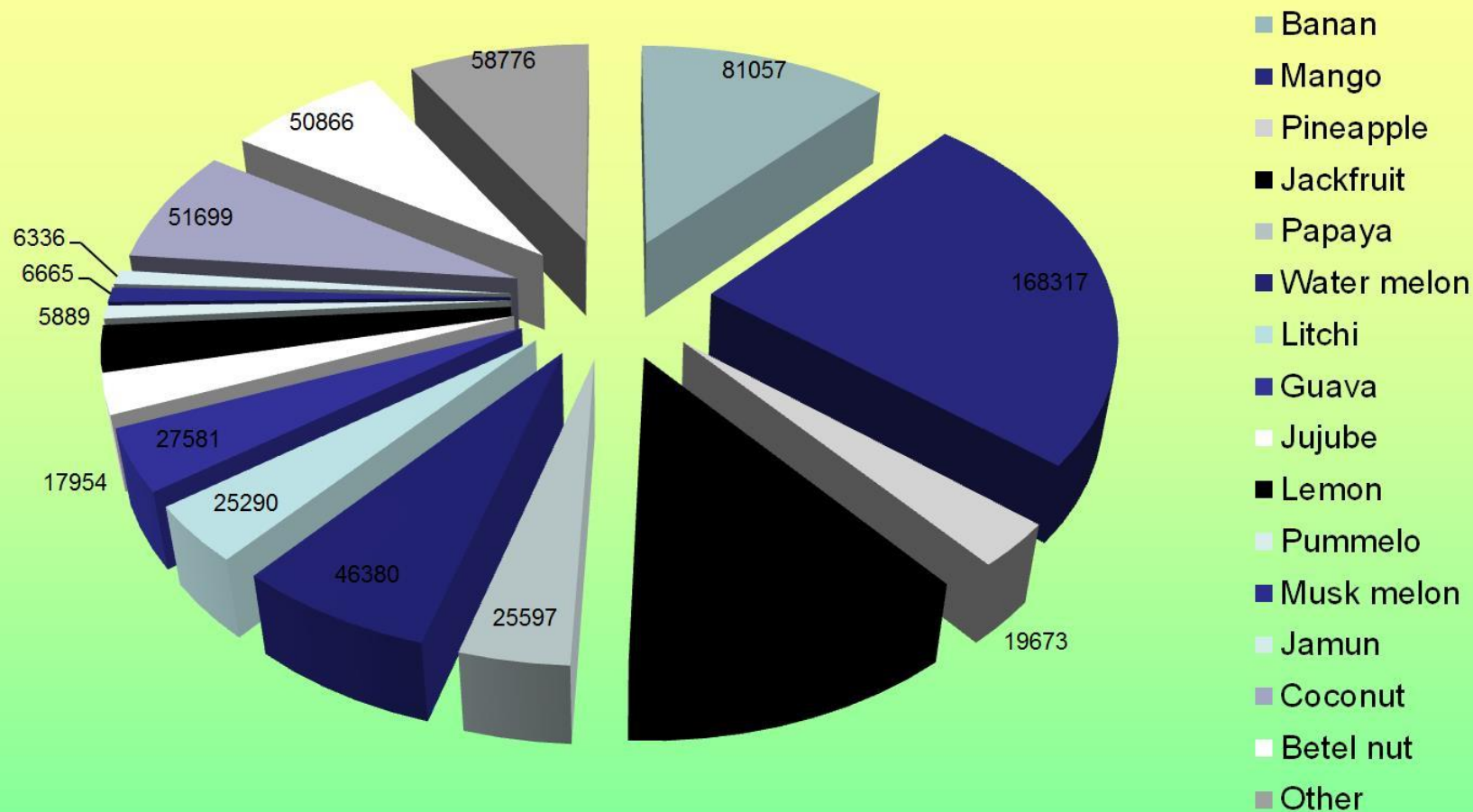


Fig 1: Land area under different fruits (2014-2015)

Source: Department of Agriculture Extension, 2016

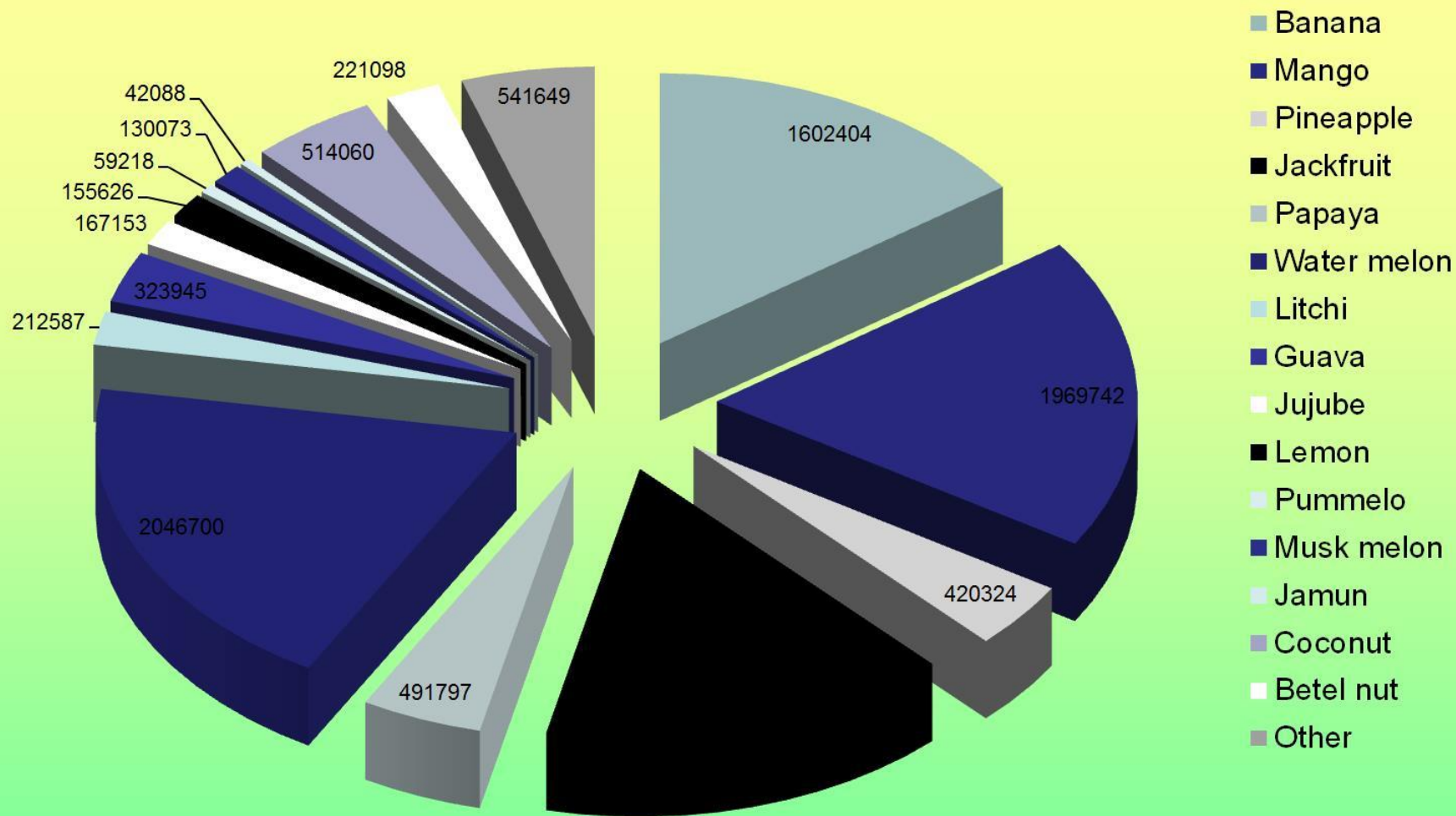


Fig 2: Production of different fruits (2014-2015)

Source: Department of Agriculture Extension, 2016

Table 1. Area of Major Fruits in Bangladesh (Acre)

Fruit	2009-10	2010-11	2011-12	2012-13	2013-14
Banana	133305	130589	121718	119325	114469
Mango	79066	58193	75780	76067	85541
Pineapple	39583	37007	34543	34780	33729
Jackfruit	25166	26310	23174	23318	22316
Papaya	2790	3042	2452	2378	3057
Water Melon	32713	29848	38483	32454	30205
Litchi	4259	4612	13828	14637	4741
Guava	12542	12061	12112	12527	8987
Jujube	2709	2746	2895	2662	2519
Orange	806	853	859	937	1215
Lime & Lemon	5280	4083	4230	4835	4154
Pummelo	734	746	655	625	781
Musk Melon	11376	11479	11153	10568	10444
Tamarind	225	181	28	15	35
Wax apple	66	85	11	11	22
Cucumber	10273	10728	10593	10463	10911
Jamun	161	336	329	355	299
Carambola	101	94	53	32	63
Woodapple	177	140	77	74	74
Green Coconut	5800	4923	5367	5305	5637
Indian olive	230	238	179	210	205
Hog plum	424	358	291	279	260
Other fruits	249	238	78	28	93
Other citrus fruits	260	313	225	163	09
Total	368295	339203	359113	352048	339766

Source: Yearbook of Agricultural Statistics- 2014, 26th Series-January, 2016

Table 2. Production of Major Fruits in Bangladesh (ton)

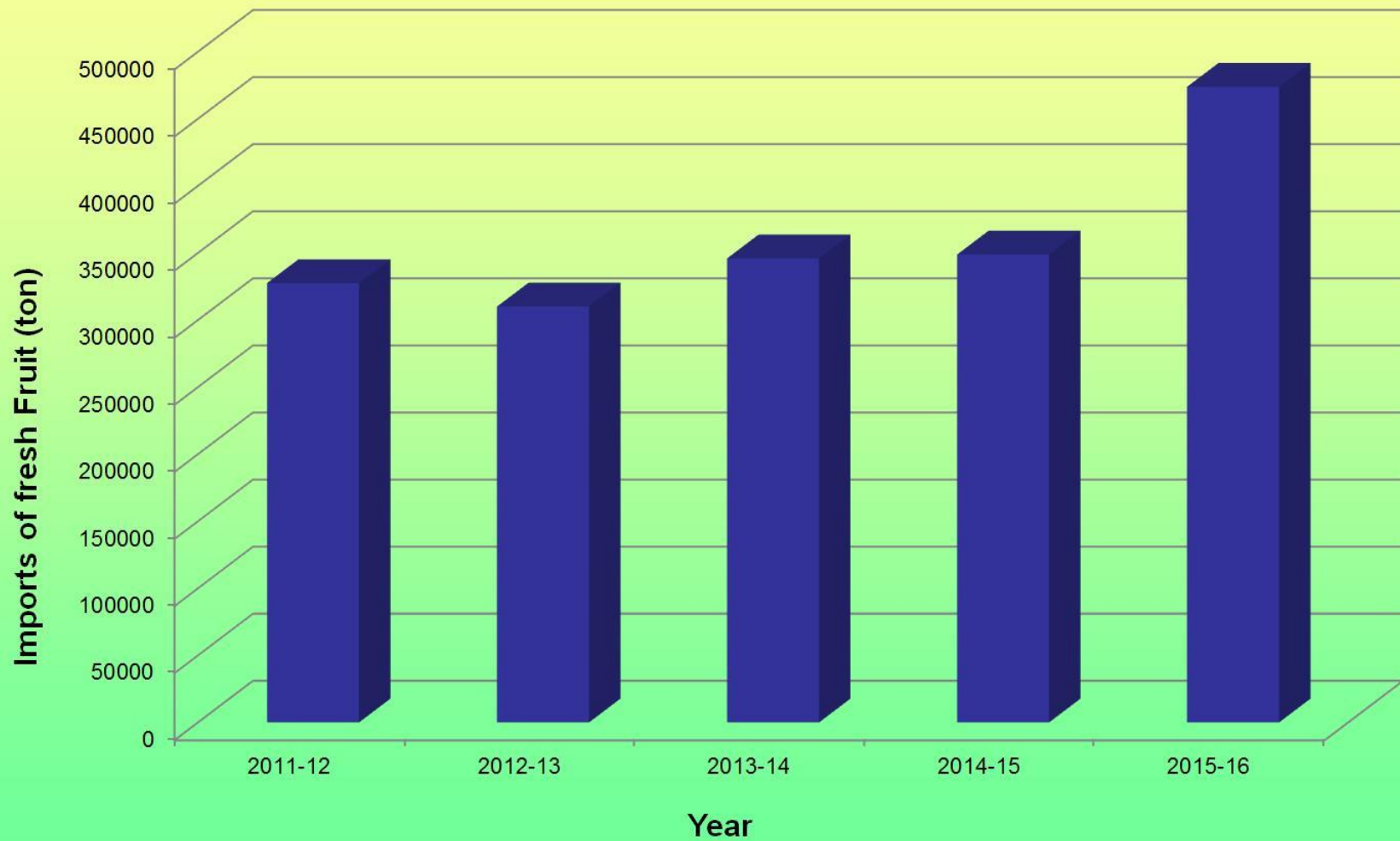
Fruit	2009-10	2010-11	2011-12	2012-13	2013-14
Banana	818254	779380	745927	774286	770203
Mango	842312	889213	945059	956867	992296
Pineapple	234493	218582	180938	186667	198946
Jackfruit	1005164	962558	928962	956665	1004316
Papaya	112770	124404	119645	124829	131001
Water Melon	216497	204514	284845	248749	293103
Litchi	64995	55538	56687	68582	67371
Guava	181950	271309	190074	205120	202504
Jujube	76040	78205	77873	77831	82005
Orange	2666	2985	2986	3448	3674
Lime & Lemon	53987	54613	63330	67430	70873
Pummelo	58468	58707	61381	60135	62887
Musk Melon	43279	45895	43411	40466	52082
Tamarind	11077	11114	10595	9921	10256
Wax apple	10584	10491	10307	10420	10256
Cucumber	31036	36887	35072	33651	33944
Jamun	46666	52270	50782	51806	49273
Carambola	11335	11841	12074	11751	13733
Wood apple	25859	25179	13535	25504	24721
Green Coconut	389094	375845	408567	372011	423498
Indian olive	14623	14892	26535	14209	15542
Hog plum	32028	33197	33580	30957	32068
Other fruits	16974	14228	12574	11184	15746
Other citrus fruits	20562	20366	20287	19197	20829
Total	4104216	4352213	4335026	4361686	4581127

Table 3. Import of fresh Fruits (ton)

Fruit	Country of Origin	2011-12	2012-13	2013-14	2014-15	2015-16
Apple	Brazil, South Africa, America, Argentina, Australia, Egypt, China, French, India	120922	137565	123142	125768	192753
Orange	Egypt, Bhutan, India, China	118504	115551	122193	150829	177476
Grape	Pakistan, India, America, China	34158	42045	83122	43650	57956
Mango	India, Pakistan, Thailand	7151	5172	5045	3211	2794
Sweet Orange	Egypt, Bhutan, India, China	1322	123	132	643	34
Pomegranate	Brazil, South Africa, America, Argentina, Australia, Egypt, China, French, India	3766	7364	10256	18899	25207
Cherry Fruit	India, Malaysia	70	65	157	229	363
Pear	China, India	3913	1689	465	3272	5506
Jujube	Malaysia, Myanmar	22655	79	165	300	32
Litchi	India	14417	153	898	10	6
Apricote	India	37	0	0	0	0
Banana	India	0	0	0	18	4
Kinnow	India, Egypt	0	0	0	1505	9766
Coconut		0	0	0	2	0
Satkara	India	0	0	0	28	253
Water Melon	India, Thailand	0	0	0	0	1419
Palmyra Palm	India	0	0	0	0	61
Aonla	India	0	0	0	0	2
Papaya	India	0	0	0	0	110
Other		564	204	308	385	99
Total		327479	310010	345883	348749	473841

Source: Plant Quarantine Wing, Department of Agriculture Extension- August, 2016

Fig 3: Imports of fresh fruit



Source: Plant Quarantine Wing, Department of Agriculture Extension- August, 2016

Major exported fruit items are Jackfruit, Indian olive, Citrus fruits (Jara *lebu*, *Satkara*, *Toikar* & Lemon), Mango, Pineapple, Tamarind, Hog plum, Burmese grape, Pummelo, Ber/Jujube, Wood apple, Green coconut, Guava, Aonla, Indian dellenia, Litchi etc.

Table-04: Export performance of fresh fruits in Bangladesh during FY2005-06 to FY2015-16

Fiscal year (FY)	Quantity exported (MT)	Export growth (%)	Export value (million US\$)	Export growth on value (%)
2005-2006	2242	-	6.67	-
2006-2007	1528	(-) 31.84	4.89	(-) 26.69
2007-2008	2695	(+) 76.34	8.65	(+) 76.89
2008-2009	5204	(+) 93.11	16.67	(+) 93.41
2009-2010	5411	(+) 4.00	17.37	(+) 3.83
2010-2011	11757	(+) 117.26	37.68	(+) 116.92
2011-2012	17835*	(+) 51.69	57.16	(+) 51.69
2012-2013	22431*	(+) 25.77	71.89	(+) 25.77
2013-2014	19292*	(-) 13.99	61.83	(-) 13.99
2014-2015	12006*	(-) 37.76	34.48	(-) 37.76
2015-2016	6312*	(-) 47.42	20.23	(-) 41.32

Source: Export Promotion Bureau (EPB) 2016

**from Hortex Foundation, Bangladesh*

Bangladesh's fruits exports represent only 0.06% on world exports and its ranking in world export is 84 (ITC 2015). However, in FY2015-16 Bangladeshi fresh fruits were exported to 15 international markets. Top ten export markets of Bangladeshi fresh fruits in FY2015-16 are shown in Table-05:

Table-05: Top ten export markets of Bangladeshi fresh fruits in FY2015-16

Export market	Export value (US\$)	Export value (million US\$)	Percent (%) share of total export value	Ranking of partner countries in world imports (in 2015)*	Share of partner countries in world imports in 2015(%)*	Tariff (estimated) faced by Bangladesh (%)*
1. India	18242536	18.24	90.16	12	2.7	21.1
2. UK	742328.35	0.74	3.65	3	5.5	0
3. Malaysia	635066.23	0.63	3.11	34	0.6	5.9
4. Vietnam	484084.44	0.48	2.37	15	2.1	17.4
5. Indonesia	70125.22	0.07	0.34	33	0.6	6.7
6. Saudi Arabia	32297.72	0.03	0.14	19	1.3	1.4
7. UAE	9085.10	0.009	0.04	n/a	n/a	n/a
8. Singapore	2805.01	0.0028	0.01	30	0.6	0
9. Saint Barthelemy	2700.18	0.0027	0.01	n/a	n/a	n/a
10. New Zealand	2444.36	0.0024	0.01	46	0.3	0
Total 10 countries	20223473	20.2069	99.84	-	-	-
Other 5 countries (Canada, Germany, Japan, Myanmar and USA)	2212.56	0.0231	0.16	-	-	-
All 15 countries	20225685	20.23	100	-	-	-

Source: Export Promotion Bureau (EPB) 2016 & Data analysis from ITC Trade Map 2015, Geneva, Switzerland.



Jackfruit



Indian olive



Lemon



Tamarind



Mango



Pineapple



**Green
Coconut**



Guava



Hog Plum



Barmese Grape



Pummelo



Jujube



Table 07: List of Some Companies involved in fresh fruit export

Sl. No.	Company name	Aim	Contact Information
01	Hortex Foundation	Assists all kinds of fresh and frozen fruits vegetables export from Bangladesh.	<i>Telephone : 880-2-9141331</i> <i>Address : 22 Manik Mia Avenue, Dhaka, Bangladesh</i>
02	Nuria Enterprise	Specially export fresh vegetables, fruits, allied foods, garments & textile products.	<i>Telephone : 880-017-5547381</i> <i>Address : 47,south kamlapur, Dhaka, Bangladesh</i>
03	MAJESTIC ENTERPRISE (Pvt) LTD	Export frozen and non-frozen fresh vegetables, fruits, fish.	<i>Telephone : 880-2-9351002</i> <i>Address : 50, Inner Circular (VIP) Road, 7th Floor, Room No. 7, Dhaka-1000, Bangladesh</i>
04	Shuvo Enterprise	All kinds of fresh vegetable & fruits will supplied world wide.	<i>Telephone : 00880-02-4587621</i> <i>Address : Dhaka</i>
05	Sky-High Technology	Export rice, vegetables, tea, fruits, dry food, apparels, drinks, meat.	<i>Telephone : 880-1741-401972</i> <i>Address : House-1/11, Flat-1/A, Metropoliton Housing Society, Babor Road, Block-F</i>
06	J E INTERNATIONAL	exporter of fresh vegetables, potatoes, spices esp. (Turmeric), Frozen Fish, Fresh Fruits, Dry fruits etc.	<i>Telephone : 880-01830041985</i> <i>Address : 79/1, Fakirapool, dhaka-1000, Dhaka, Other, Bangladesh</i>
07	So Cube Solutions Ltd.	Specially export fresh fruits.	<i>Telephone : 880-2-8854597</i> <i>Address : Rangs Niketan, Hs-115,117,119; Rd-9, Block-C; Niketan, Gulshan-1, Dhaka, Dhaka, Bangladesh</i>
08	MIAZEE TRADE & DISTRIBUTION	Export Agricultural Product, Garments Items, Leather products, Fresh Fruit.	<i>Telephone : 880-1915206292</i> <i>Address : 459 GREEN WAY, BORO MOGH BAZAR, RAMNA.</i>
09	M . R. CORPORATION (PVT) ITD.	exporting Fruits Vegetables products from own plantation.	<i>Telephone : 880-2-9895162</i> <i>Address : House# 80, Road# 11, Block# D, Banani, Dhaka.</i>

Source: <http://www.listofcompaniesin.com/bangladesh/fresh-fruits/>

Table 08: List of Some Entrepreneurship developed in Bangladesh

Sl. No.	Name	Company	Business type
01	Md. Zakir Hossain, Asst. Manager	Shwapno Under ACI Logistics Ltd., Dhaka	Fresh Fruits and Vegetables export to EU and ME
02	Abdul Hakim Sheikh, CEO & Owner	Greentex, Mirpur, Dhaka.	Fruits, vegetables and potato export to Malaysia and Indonesia
03	Mr. Mainul and Mr. Zakir Hossain(Leton), Proprietor	Sonali Traders	Pineapple & Mango export to Dubai
04	Kazi Golam Ali Suman	General Secretary, BAPMA, Dhaka	Safe fruits and Vegetables marketing
05	Mr. Sayedur Rahman, Proprietor	S. Rahman Agro, Dhaka	Mango and sesame export to UK & China
06	Md. Delowar Hossain	S M International, Uttara, Dhaka	Fruits and vegetables export to Malaysia, Singapore and Dubai
07	M A Rafiq Sarkar, MD. Asaduzzaman, R. Associate	MATRIX Business Development, Ltd., Dhaka	Banana production & marketing
08	Kaiser Uddin Ahammad, Head of Marketing	Krishibid Group, Dhaka	Banana marketing in Dhaka city
09	Mr. Ershad Ahmed Bhuiyan , AGM	Taiwan Food Processing & Industries Ltd., Dhaka	Export of processed agro-commodities to China, Taiwan, Hong Kong and Vietnam.
10	Ms. Kazi Munni, Proprietor	M/S. Rifat Enterprise, Khilgaon, Dhaka	Fruits and vegetables export to Oman
11	Dr. Md. Rustom Ali, Managing Director	Zishan Corporation, Uttara, Dhaka	Fruits & vegetables export to Singapore
12	Md. Hasan Sharif, Studied from UK/HR	Taj Enterprise, 72 Dewanhat, Chittagong	Fresh produce local supply and export
13	Md. Abu Taher(Robi) and Md. Aslam, Proprietor	Rabi Exim Co. and Aman International, Dhaka.	Banana Export to China and Hong Kong
14	Mr. Ruhul Amin Ruhany (Azad), Chairman	Bright Group, Dhaka	Banana and pineapple export to Iran
15	Md. Robiul Arefin Khosru, Chairman	Desire Technology Ltd., Mirpur, Dhaka	Mango export to UK
16	Mr. Jafar Ahmed, Managing Director and MA Bari, Partner	Jafar Int'l and Three CC Company, 27, Nayapaltan (2 nd floor), Dhaka	Banana, pineapple, lemon, chilli & radish export to Maldives
17	Muhammad Safi Kamal, Manager	Clothing Partner Ltd., DOHS, Baridhara, Dhaka	Mango export to EU

Constraints of Fruit Production

- **Lack of High Yielding Variety;**
- **Lack of well-adapted variety;**
- **Seasonal Availability;**
- **Irregular Fruit Bearing;**
- **Lack of Quality Planting Materials;**
- **Insufficient Nutrition, Irrigation & Management;**
- **Diseases & Insects Infestation;**
- **Poor Post-harvest Technology and Storage Facilities;**
- **Lack of Awareness of Farmers for Fruit Production;**
- **Adverse climatic condition like high temperature, humidity;**
- **Farmers are not getting real price of Fruits.**

Constraints of Fruit Marketing

- **Traditional Storage System;**
- **Lack of Supply Chain Knowledge;**
- **Poor Transport Facilities;**
- **Poor Packaging Technology;**
- **Adoption of Modern Marketing Facilities;**
- **Knowledge of Marketing Information;**
- **Lack of Value Chain;**
- **Awareness of Modern Marketing.**

Recommendations

- **Bangladesh is most Suitable for Tropical Fruit Production;**
- **Strengthening Research on Variety Development & Post Harvest Technology;**
- **Demonstrations & Extension Work for Fruit Production;**
- **Certification of Planting Material;**
- **Increase Value Chain, Supply Chain System Create & Storage Facility.**



Thanks

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