

RECENT TREND OF SILK PRODUCTION WITH SPECIAL REFERENCE TO TASAR

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Suresh Rai

Scientist-D (Statistics)

Central Tasar Research and Training Institute,

Central Silk Board, Ministry of Textiles,

Govt. of India, Nagri, Ranchi 835 303

E-mail: sureshrai60@gmail.com

Phone: 9430360845

WORLD RAW SILK PRODUCTION (MT)

Country	2008	2009	2010	2011	2012	2013	2014	% share
China	98620	84000	115000	104000	126000	130000	146000	82.00
India	18370	19690	20410	23060	23679	26480	28708	16.12
Brazil	1177	811	770	558	614	550	560	0.31
Indonesia	37	19	20	20	20	16	10	0.01
Iran	180	82	75	120	123	123	110	0.06
Japan	96	72	54	42	30	30	30	0.02
North Korea				300	300	300	320	0.18
Thailand	1100	665	655	655	655	680	692	0.39
Turkey	15	20	18	22	22	25	32	0.02
Uzbekistan	770.5	780	940	940	940	980	1100	0.62
Vietnam			550	500	450	475	420	0.24
Others	30.5	30	31	47	57	78	76	0.04
Total	120396	106169	138505	129684	152868	159737	178058	100.00

Note: Figures of India is for financial year April to March, Source: www.inserco.org,

RECENT SILK PRODUCTION STATISTICS IN INDIA

Particulars	2012-13	2013-14	2014-15	2015-16
Mulberry Raw Silk (MT)	18715	19476	21390	20478
Tasar Raw Silk (MT)	1729	2619	2434	2819
Eri Raw Silk (MT)	3116	4237	4726	5060
Muga Raw Silk (MT)	119	148	158	166
Total Raw silk (MT)	23679	26480	28708	28523
Export: Silk goods (Crore Rs.)	2240.61	2381.59	2720.76	
Export: Silk waste (Crore Rs.)	62.97	99.30	109.12	
Foreign Exchange Earnings (Crore Rs.)	2303.58	2480.89	2829.88	
Import : Raw Silk (Qty: MT)	4959	3260	3489	
Import: Raw Silk (Value: Crore Rs.)	1238.56	896.44	970.82	
Employment (Lakh No.)	76.53	78.50	80.30	
Price: Reeling cocoon (Daba)^ /1000 No.)	1200-2200	2100-2900	3000-4500	
Prices: Raw silk (Reeled Yarn) / kg	2000-2750	2415-3200	4500-6000	

Source: Ministry of Textiles / Central Silk Board

TABLE: TASAR, SEED, COCOON AND RAW SILK PRODUCTION

Year	Seed Production		Cocoon Production		Raw Silk Production	
	Qty (Lakh No.)	% Increase / decrease	Qty (Lakh Kahan)	% Increase / decrease	Qty (MT)	% Increase / decrease
2007-08	100.24	-	4.04	-	428.19	-
2008-09	140.03	39.69	5.33	31.93	603	40.83
2009-10	142.85	2.01	7.45	39.77	803	33.17
2010-11	205.31	43.72	10.29	38.12	1166	45.21
2011-12	265.00	29.07	14.96	45.38	1589.5	36.32
2012-13	294.00	10.94	15.62	4.41	1728.7	8.76
2013-14	311.56	5.97	20.70	32.52	2619	51.56
2014-15	327.89	5.24	20.64	-6.00	2434	-7.06
2015-16	42.61 (BSMTC)		25.39	23.01	2819	15.81

Source: Central Silk Board, Bangalore

STATE WISE TROPICAL TASAR RAW SILK PRODUCTION (MT)

State	Andhra Pradesh	Bihar	Chhattisgarh	Jharkhand	Madhya Pradesh	Maharashtra	Orissa	Uttar Pradesh	West Bengal	Total
2007-08	7.00	13.80	146.00	143.00	30.00	4.00	47.68	4.00	29.00	424.48
2008-09	13.00	16.00	147.00	296.00	30.14	4.28	57.00	4.15	31.23	599.00
2009-10	10.00	27.00	161.00	403.70	74.00	8.00	71.00	6.00	37.00	797.70
2010-11	4.00	30.00	168.00	766.00	58.00	9.00	78.00	9.00	41.00	1163.00
2011-12	1.33	29.37	293.78	1025.24	79.20	12.35	89.70	10.80	43.96	1585.72
2012-13	0.64	7.30	384.87	1088.35	83.00	9.75	95.00	12.30	43.76	1724.97
2013-14	0.46	32.00	384.30	2000.00	86.00	10.20	45.10	13.70	42.20	2614.00
2014-15	0.26	33.00	225.40	1943.30	59.00	19.00	88.30	18.00	43.10	2429.00
2015-16	-	41.00	254.00	2281.00	56.00	21.00	107.00	20.00	34.00	2819.00

Source: Central Silk Board, Bangalore,

STATE WISE TROPICAL TASAR SEED PRODUCTION (LAKH NO.)

State	Andhra Pradesh	Bihar	Chhattisgarh	Jharkhand	Madhya Pradesh	Maharashtra	Orissa	Uttar Pradesh	West Bengal	Total
2007-08	6.57	6.26	27.363	23.654	8.422	3.91	13.72	1.131	5.8	96.83
2008-09	6.862	7.39	21.21	54.59	14.38	5.87	18.1	1.407	6.28	136.09
2009-10	7.17	8.04	23.55	52.00	10.396	6.25	22.87	1.67	7.21	139.15
2010-11	10.85	7.73	19.84	112.58	15.34	5.69	19.79	2.05	8.2	202.07
2011-12	9.38	7.64	22.96	160.37	19.05	8.37	22.37	2.51	8.74	261.4
2012-13	9.87	2.41	24.15	177.69	30.95	9.47	23.38	2.79	8.86	289.57
2013-14	7.35	7.1	21.49	208.28	29.65	6.36	21.09	3.09	7.16	311.56
2014-15	10.14	6.85	23.62	221.32	20.99	11.3	22.1	2.89	8.68	327.89

Source: Central Silk Board, Bangalore,

STATE WISE TROPICAL TASAR COCOON PRODUCTION (LAKH KAHAN)

State	Andhra Pradesh	Bihar	Chhattisgarh	Jharkhand	Madhya Pradesh	Maharashtra	Orissa	Uttar Pradesh	West Bengal	Total
2007-08	0.070	0.130	1.040	1.720	0.250	0.060	0.410	0.040	0.240	3.96
2008-09	0.130	0.160	1.140	2.460	0.330	0.090	0.460	0.050	0.285	5.11
2009-10	0.287	0.386	1.250	3.250	0.610	0.250	0.915	0.067	0.330	7.34
2010-11	0.126	0.381	1.289	6.750	0.525	0.085	0.620	0.072	0.353	10.20
2011-12	0.159	0.390	2.16	9.761	0.860	0.241	0.690	0.110	0.489	14.86
2012-13	0.074	0.091	2.565	10.324	0.912	0.190	0.730	0.123	0.504	15.51
2013-14	0.010	0.390	2.630	15.330	0.930	0.150	0.350	0.140	0.420	20.35
2014-15	0.020	0.240	1.290	16.740	0.650	0.270	0.630	0.160	0.500	20.50
2015-16	-	0.444	1.463	17.748	0.604	0.308	1.221	0.182	0.400	25.39

Source: Central Silk Board, Bangalore

STATE WISE OAK TASAR RAW SILK PRODUCTION (MT)

State	Arunachal Pradesh	Manipur	Mizoram	Nagaland	Jammu and Kashmir	Uttarakhand	Total
2007-08	0.03	3.00	0.02	0.16	-	0.50	3.71
2008-09	0.10	3.00	0.10	0.50	0.01	0.50	4.21
2009-10	0.10	3.50	0.20	0.50	0.50	0.50	5.30
2010-11	0.10	2.00	0.40	0.30	0.10	0.10	3.00
2011-12	0.34	2.45	0.93	0.06	-	-	3.78
2012-13	-	2.80	0.72	0.21	-	-	3.73
2013-14	0.20	4.10	0.70	0.29	-	0.06	5.35
2014-15	-	4.17	0.02	0.10	-	0.02	4.31
2015-16	-	4.00	0.01	0.07	-	-	4.08

Source: Central Silk Board, Bangalore

STATE WISE OAK TASAR SEED PRODUCTION (LAKH NO.)

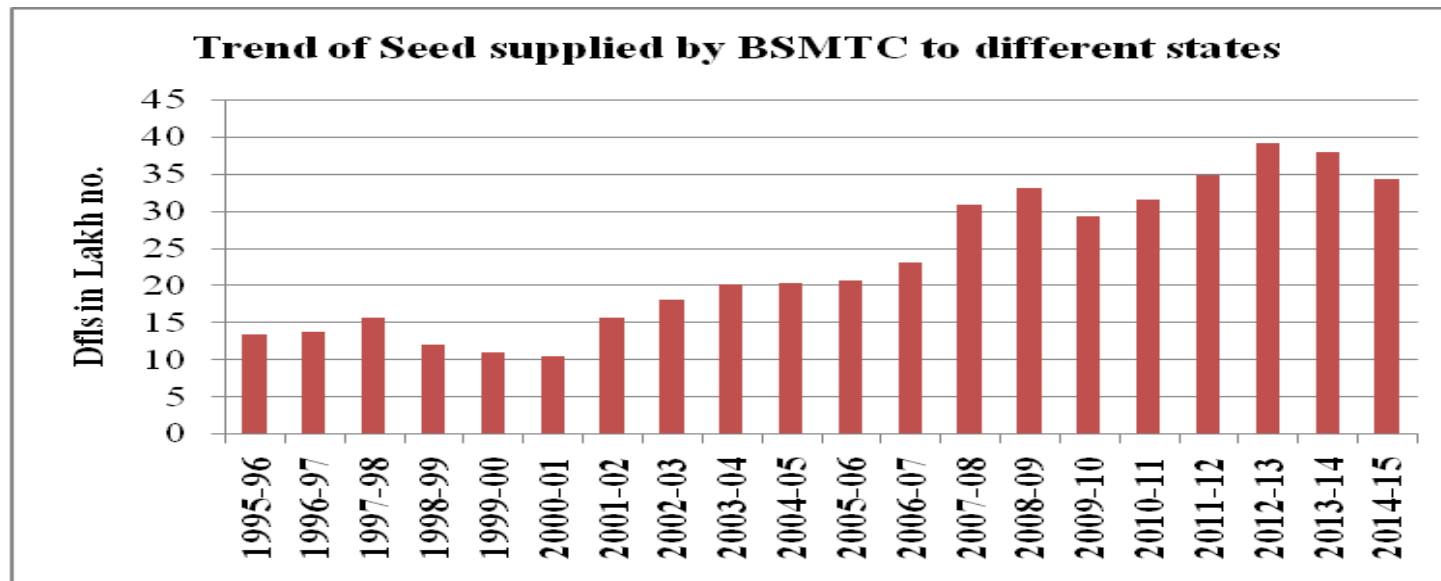
State	Arunachal Pradesh	Manipur	Mizoram	Nagaland	Jammu and Kashmir	Uttarakhand	Total
2007-08	0.06	3.00	0.20	0.15	-	-	3.41
2008-09	0.06	3.00	0.12	0.51	-	0.25	3.94
2009-10	0.05	1.73	0.09	0.64	0.60	0.60	3.70
2010-11	0.10	1.95	0.66	0.40	0.07	0.06	3.23
2011-12	0.40	3.04	0.15	0.11	-	-	3.70
2012-13	0.09	3.05	0.33	0.17	-	0.30	3.94
2013-14	0.10	4.29	0.01	0.25	0.12	1.24	5.92
2014-15	0.003	4.80	0.31	0.073	-	0.045	5.23

Source: Central Silk Board, Bangalore

STATE WISE OAK TASAR COCOON PRODUCTION (LAKH KAHAN)

State	Arunachal Pradesh	Manipur	Mizoram	Nagaland	Jammu and Kashmir	Uttarakhand	Total
2007-08	0.002	0.070	0.001	0.005	-	-	0.070
2008-09	0.002	0.060	0.001	0.153	-	0.006	0.222
2009-10	0.001	0.0496	0.0022	0.0189	0.020	0.020	0.112
2010-11	0.005	0.060	0.013	0.013	0.002	0.002	0.094
2011-12	0.020	0.080	0.003	0.001	-	-	0.100
2012-13	-	0.087	0.002	0.006	-	0.009	0.010
2013-14	0.200	0.120	0.022	0.008	-	0.002	0.352
2014-15	0.005	0.126	0.001	0.002	-	0.001	0.140
2015-16	-	0.128	0.003	0.003	-	0.001	0.135

Source: Central Silk Board, Bangalore



EXPORTS OF INDIAN SILK GOODS TO THE TRADITIONAL MAJOR MARKETS
(Value: Crore Rs.)

Items	Natural Silk Yarn	Silk Fabrics	Readymade Garments	Silk Carpets	Silk Waste	Total
2007-08	45.38	1851.68	746.55	72.11	12.15	2727.87
2008-09	35.08	2092.64	986.57	58.67	5.23	3178.19
2009-10	29.42	1942.57	854.94	40.59	24.92	2892.44
2010-11	39.39	2083.82	683.31	21.1	36.14	2863.76
2011-12	19.65	1498.00	765.83	20.08	49.77	2353.33
2012-13	21.96	1410.31	787.15	21.14	62.97	2303.53
2013-14	36.25	1455.63	874.00	15.71	99.3	2480.89
2014-15	25.37	1465.41	1214.01	15.97	109.12	2829.88

Note: Final Data is based on ITC (HS) codes details received from source data, Source: FTSI & MSFTI, DGCIS, Kolkata,

RAW SILK IMPORT

Year	Quantity (MT)	Value (Rs. in Crores)
2007-08	7922	734.44
2008-09	8392	903.06
2009-10	7338	933.70
2010-11	5820	927.59
2011-12	5683	1111.53
2012-13	4959	1238.56
2013-14	3260	896.44
2014-15	3489	970.82

Source: DGCIS, Kolkata, # till Sep 2013

SAL FOREST AREA IN DIFFERENT STATES IN INDIA

State	Area under sal forest (Ha)
Himachal Pradesh	33,000
Haryana	4,000
Uttar Pradesh and Uttarakhand	5,79,950
Bihar and Jharkhand	2,141,000
Odisha	3,830,000
West Bengal	470,000
Assam, Meghalaya and Tripura	134,000
Nagaland	15,000

VANYA PLANTATION IN DIFFERENT STATES

State	Vanya Food Plantation Area (in Hectare)					
	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
Tropical Tasar (A):						
Andhra Pradesh	8400	8400	8400	8200	8200	8228
Bihar	13263	13268	13319	13434	13708	14476
Chhattisgarh	3717	9928	10457	10889	12069	12522
Jharkhand	78399	74253	74253	84320	4725	5985
Madhya Pradesh	2148	7171	7171	7171	17612	17782
Maharashtra	16100	16100	16100	16100	18866	18866
Orissa	3651	9115	10987	11035	11440	11712
Uttar Pradesh	306	415	675	1234	1160	1264
West Bengal	5516	5696	5701	6131	6320	6529
Sub-Total (A)	131500	144346	147063	158514	94100	97364
Oak Tasar (B)						
Assam	-	-	-	-	-	258
Arunachal Pradesh	24	65	100	100	100	100
Manipur	7250	7250	7370	7510	7540	7640
Mizoram	144				13	62
Nagaland	187	187	187	187	86	87
Tripura	-	-	-	-	11	11
Uttarakhand	-	-	-	19	19	19
Sub-Total (B)	7605	7502	7657	7816	7769	7919
Total (A +B)	139105	151848	154720	166330	101869	105283

Source: R.N.Singh et.al (2014), "Tasar Culture" published by A.P.H. Publishing Corporation New Delhi pp.27

TOTAL PLANTS REQUIRED PER UNIT AREA

Spacing (m)	No. of Plants/ha	Survval of seed / cutting	No. of seedlings/ saplings is to be raised
1.0 x 1.0	10,000	60%	16000
1.5 x 1.5	4444	60%	7500
2.0 x 2.0	2500	60%	4300
2.25 x 2.25	1975	60%	3300
2.5 x 2.5	1600	60%	2700
3.0 x 3.0	1111	60%	1900
3.5 x 3.5	816	60%	1400
4.0 x 4.0	625	60%	1050
4.5 x 4.5	494	60%	850
5.0 x 5.0	400	60%	680

Note: Total plants required in unit area is No of plants = Area / Spacing,

Source: R.N.Singh et.al (2014), “Tasar Culture” published by A.P.H. Publishing Corporation New Delhi pp.113