

REPORT - 4

15th Nov, 2017

Basmati Acreage & Yield Estimation in Punjab, Haryana, Delhi, Uttarakhand, Himachal Pradesh, Western Uttar Pradesh and Parts of Jammu & Kashmir

Basmati Export Development Foundation
APEDA, New Delhi



Basmati Survey - Report-4 (Season 2017)

This is the 4th report for Basmati crop across 7 states totalling 81 districts. Detailed microscopic level information on Basmati crop has been collected and compiled in this report. The report begins with an overview of the entire scenario of Basmati crop harvest pace, arrival trends in mandi, prices of major varieties for the current season and then goes on to vetting the previous report details on state wise acreage/ production information.

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TEAM GEOTRANS

Geotrans Technologies Pvt. Ltd.

Chapter 1

Executive Summary

Scope of the Report

The present report being the report for Kharif 2017 covers the results of field survey based acreage / production estimation reporting of Basmati varieties area transplanted in the different districts of Punjab, Haryana, Delhi, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir. This time we have focused on Basmati crop fields & mandis across states for gathering the details on harvest pace; mandi arrivals; price trends and farmer expectation on crop selling. More than 90% of the harvest has been happened across states and arrival is coming in full pace. This report primarily covers the initial information on prices / harvest pace / mandi arrivals / along with vetting on crop acreage / production estimates as provided in the previous three reports.

Study districts

The study has been conducted in 79 districts, which includes 22 districts of Punjab, 21 districts of Haryana, 27 districts of Uttar Pradesh, 4 districts of Uttarakhand, 2 districts of Himachal Pradesh and 3 districts of Jammu & Kashmir and findings were elaborated in in form of tables / text and pics

State Wise Transplanted Area, Production

Basmati & Non-Basmati Long Grain Rice Area during Kharif 2017

Total rice transplanting in the studied 7 states has been reduced by 2.28% from last year. Farmers shifted to crops like cotton & sugarcane in Haryana/ Punjab & Western part of Uttar Pradesh. The total Basmati (notified varieties) area in these targeted 7 states& 81 districts has decreased by 7.84%. The notified Basmati varieties majorly comprises of Basmati-370, Basmati- 386, Type-3 (Dehraduni), Taraori, Ranbir, Pusa-1509, Pusa Basmati-1, CSR-30 and Pusa Basmati-1121

This year about 1,32,300 hac area under Basmati has been shifted either to non-Basmati long grain rice or shifted to other major competitive crops like sugarcane & cotton

The various interactions with farmers/ secondary market players and experts field visits suggests that this year about 55 - 57 lakh tons of Basmati production is expected against 61.53 lakh tons production on last year. The exact figures of Basmati production can be assessed once complete harvesting and market arrival will be taken place.

In short, 2017-18 season has seen about 8% dip in overall acreage of Basmati crop while their yield levels are either similar as of last year in states like Punjab / Haryana / J&K / HP but observed dip in yield level in states like UP / Uttaranchal / Delhi over last year , which brought the overall Basmati production down to almost 8-10% in the current year. These Basmati production levels will be confirmed once complete arrival hit the markets and our full crop cutting results complied and analysed by our field / market experts.

State Wise Transplanted Area, Production

Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 (Area in 000 ha. / production in 000 tons)

State	Total Basmati		Pusa Basmati 1121		Pusa 1509		PB -1		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
Haryana	652	2534	444	1611	30	148	41	223	6	21
Punjab	563	2145	500	1842	40	193	23	110	6	22
U. P	256	763	144	403	56	206	43	133	174	528
U.K	16	39	4	9	3	10	2	8	15	50
J & K	62	132	8	25	0	1			10	36
H.P	7	30	2	7	5	22				
Total	1554	5643	1101	3898	133	581	110	474	211	657

This year initial round of farmer interaction and various mandi visits suggests that harvest has started on time. Punjab and Haryana have seen quick harvest pace as compared to UP/ UK, but this is in line with the market expectations.

State Wise harvested area/ mandi arrival & price range offered on different varieties

Across 7 studied states, Basmati crop harvesting has been completed except few late sown varieties (especially varieties like Pusa370/ Dehraduni etc) and similar trends has been observed in mandi arrivals too. However, secondary market might be releasing the stocks as per the market and millers demand. This year farmers are quite happy with the current price offered across different mandis while few farmers are expecting that price range could further go up in months to come, once arrival pressure will ease. This year farmer prices are about 25-30% up as compared to last year across all studied states. These sentiments are positive signal for next year on overall farmers intention on Basmati acreage which has been dipping from last two consecutive years. The following tables are throwing analysis on the individual states with respect to their harvest / arrival & price trends. This exercise is primary done to vet the overall production number given by us in earlier reports.

PUNJAB

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2017)

Basmati & Non-Basmati Long Grain Rice during Kharif 2017

State/ Varieties	Punjab		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	97%	80%	3100-3200
Pusa Basmati 1509	100%	85%	2800-2900
Pusa Basmati 1	95%	75%	2900-3000
CSR 30	90%	70%	3800-4000
Pusa Basmati-1401	100%	90%	2700-2800
Sharbati	95%	85%	2100-2200
Sugandha	95%	85%	2300-2400

In Punjab, except few late sown varieties almost complete harvest has been taken place and similar trends has been observed in mandi arrivals too. However, secondary market might be releasing the stocks as per the market and millers demand

HARYANA

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2017)
Basmati & Non-Basmati Long Grain Rice during Kharif 2017

State/ Varieties	Haryana		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	97%	80%	3100-3200
Pusa Basmati 1509	100%	85%	2800-2900
Pusa Basmati 1	95%	75%	2900-3000
CSR 30	85%	60%	3800-4000
Pusa Basmati-1401	100%	90%	2700-2800
Sharbati	95%	85%	2100-2200
Sugandha	95%	85%	2300-2400

In Haryana, similar trends like Punjab have been observed. On crop harvest front except few late sown varieties almost complete harvest has been taken place and similar trends has been observed in mandi arrivals. Price range also are on similar lines as of Punjab markets.

UTTAR PRADESH

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2017)
Basmati & Non-Basmati Long Grain Rice during Kharif 2017

State/ Varieties	Uttar Pradesh		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	95%	80%	2800-3100
Pusa Basmati 1509	100%	85%	2500-2800
Pusa Basmati 1	95%	75%	2500-2800
Sharbati	95%	85%	1900-2100
Sugandha	95%	85%	2100-2300

In Uttar Pradesh over last fortnight harvest has been happened very fast. It was also observed that due to price differentials in Haryana and Uttar Pradesh mandis, UP boarding areas farmer prefer to sell in adjoining Haryana mandis. This is usually a normal practice of UP farmers in selling Basmati crop to Haryana mandis. Apart from price differentials, early starting of Haryana mandi operations are also could be the reason of such selling pattern with UP Basmati farmers.

UTTARANCHAL

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2017)
Basmati & Non-Basmati Long Grain Rice during Kharif 2017

State/ Varieties	Uttaranchal		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	100%	75%	2800-3100
Pusa Basmati 1509	100%	85%	2500-2800
Pusa Basmati 1	90%	75%	2500-2800
Basmati-370/386/Ranbir	85%	70%	2600-2800
Sharbati	90%	85%	1900-2100
Sugandha	90%	85%	2100-2300

In Uttaranchal, usually harvest goes upto November end but major varieties like Pusa1121 and Pusa 1509 have been harvested. Price trends are almost similar like Uttar Pradesh

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2017)
Basmati & Non-Basmati Long Grain Rice during Kharif 2017

State/ Varieties	J&K		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	100%	75%	3100-3200
Pusa Basmati 1509	100%	85%	2800-2900
Basmati-370/386/Ranbir	95%	60%	2800-2900

State-Mandi wise arrival/prices

HARYANA

Basmati & Non-Basmati Long Grain Rice Area during Kharif 2017
Basmati 1121 Arrival & Prices Haryana

APMC	01/09/2017-14/11/2017 Commodity Arrivals(Quintal)	14Nov	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
		Last Traded Price (per Quintal)					
AMBALA	23575.18	3081	3279	3250	2461	2461	2461
BARWALA HISAR	245645.26	3141	2771	3321	1590	1590	1590
CHEEKA	43697.51	3300	3300	2875	2700	2700	2700
DHAND	6538.25						
GANAUR	269538	3131	3301	3061	3251	3251	2951
GHARAUNDA	182917.5	2546	2930	2500	2500	2500	2500
GOHANA	894313.73	3151	3191	3161	3351	3351	3351
HANSI	231634	3271	2751	2981	2931	2931	2931
HODAL	4840						
INDRI	77235.8	3025					
ISMAILABAD	36181.9	3281	3281	3200			
JAKHAL	7415.13						
JIND	440624.5	3175	3140	3225	3020	3020	3020
JULLANA	509940.45	3311	3201	3300	3291	3280	3295
KALAYAT	184343.2	2951	2951	2800	3050	3050	3050
KARNAL	113074.5	3130	3120	3160	3050	3050	3150
LADWA	18966	3155	2900	3105	2910	2910	2910
MADLAUDA	373520.5	3201	3200	3301	3156	3156	3156
NARNAUND	119375.13	3195	3162	3121	3025	3025	3025
NARWANA	154823.53	2800	2500	3015	3140	3140	3140
NISSING	84426.2			2400			
PALWAL	94228.25	2950					
PANIPAT	324593.51	3100	3231	3181	3200	3200	3200
PEHOWA	32599			1510			
PILLUKHERA	221539.75	3191	3171	3041	3340	3340	3340
PUNDRI	53617.63	2960	3155	3100	2575	2575	2575
RANIA	225	2670	2670	2681			
RATIA	8224	2600	2600	2900	2786	2786	2786
REWARI	18933.5	3149	3062	2755	2831	2831	2831
ROHTAK	248834.5	3261	3261	3201			
SAFIDON	313704.01	3171	3215	3245	2963	3284	3284
SAMALKHA	425416.09	3221	3221	3071	3261	3261	3261
SHAHBAD	10591.75			2500			
SIRSA	30	2700	2700	2700	2700	2700	2700

APMC	01/09/2017-14/11/2017	14Nov	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	Commodity Arrivals(Quintal)	Last Traded Price (per Quintal)					
SONEPAT	154531.83	3301	3261	3101	3101	3101	3101
TARAORI	52511	2900	2900	3350	2741	2741	2741
THANESAR	9654.7	2325	2325	2325	2325	2325	2325
TOHANA	102069.25	3160	2525	2525	2525	2525	2525
UCHANA	102963.55	2621	2871	3005	2761	2761	2761

Basmati 1509 Arrival & Prices

APMC	01/09/2017-14/11/2017	14-Nov	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	Commodity Arrivals(Quintal)	Last Traded Price (per Quintal)					
AMBALA	4041.75	2521	2932	2611	2341	2341	2341
ASANDH	35807.72	2450	2490	2770	2675	2675	2675
BARWALA HISAR	17574.88	2700	3275	2691	2691	2691	2691
CHEEKA	91821.13	2625	2625	2800	2931	2931	2931
DHAND	19538.75	2641	2641	2641	2641	2641	2641
ELLANABAD	33288	2600	2661	2681	2626	2626	2626
FATEHABAD	43613	2230	2561	2539	2921	2921	2921
GANAUR	106198.75	2751	2801	2861	2771	2771	2771
GHARAUNDA	269937	2700	2181	2181	2641	2641	2641
GOHANA	173346.7	2591	2971	3251	2921	2921	2921
HANSI	58761	2881	2281	2773	2731	2700	2661
HODAL	2731						
INDRI	157419	2298	2085	2035	2281	2281	2281
ISMAILABAD	18242	2681	2700	3001	2361	2361	2361
JAKHAL	6969.5	2800	2800	2800	2800	2800	2800
JIND	55381.48	2800	2900	2900	2905	2905	2905
JULLANA	44323	3201	3061	2731	2701	2851	2821
KAITHAL	37475.25	2540	2890	2630	2311	2311	2311
KALAYAT	24699.6	2805	2805	2621	2610	2610	2610
KARNAL	261271	2050	3200	3050	3150	2660	2600
LADWA	77058	2470	2825	2640	2675	2675	2675
MADLAUDA	54822	2681	3280	2975	3050	3050	3050
NARNAUND	5468	3200	2650	2650	2900	2800	2800
NARWANA	20557.25	2701	3151	2800	2701	2701	2701
NISSING	121008	2574	2574	2574	2574	2574	2574
PALWAL	29406						
PANIPAT	134115.3	2891	2851	2851	3321	3321	2671
PEHOWA	28986	2265	2265	2265	2265	2265	2265
PILLUKHERA	52175.75	2781	2881	2811	2871	2871	2871
PUNDRI	72150.39	2625	2895	2845	2681	2681	2681
RANIA	61564.25	2785	2765	2765	2495	2461	2585
RATIA	10862	1590	1590	2351	2671	2671	2671
REWARI	1918	2842	2751	3151	2692	2692	2692
ROHTAK	25284.5	2331	2331	2701	2751	2751	2751
SAFIDON	103123.85	3231	1900	2527	2963	2963	2963
SAMALKHA	204225.89	2401	3221	2891	2575	2575	2575
SHAHBAD	13018.38			1981			

APMC	01/09/2017-14/11/2017	14-Nov	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	Commodity Arrivals(Quintal)	Last Traded Price (per Quintal)					
SIRSA	118620.3	2551	2650	2735	2700	2700	2700
SONEPAT	72842.03	2801	2811	2651	2811	2811	2811
TARAORI	214438	2400	2400	2400	2651	2651	2651
THANESAR	62005.49	2545	2545	2545	2545	2545	2545
TOHANA	211787.62	2825	2761	2761	2761	2761	2761
UCHANA	11575.48	2933	2285	2499	2840	2840	2840

UTTAR PRADESH

Basmati 1121 Arrival & Prices U.P

APMC	01/09/2017-14/11/2017	14/10/2017	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	Arrivals(Quintal)	Price(per Quintal)					
ETAWAH	47	2661	2661	2661	2661	2661	2661
KOSIKALAN	84	1751	1751	1751	1751	1751	1751
MATHURA	648.5	2171	2341	2300	2300	2300	2300
MILAK	62.4	2000	2000	2000	2000	2000	2000
RAMPUR BILASPUR	3098.4	1917	2110	2011	2000	2000	2000
SAHARANPUR	4041	2800	2890	2800			

Basmati 1509 Arrival & Prices U.P

APMC	02/09/2017-14/11/2017	14Nov	07-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	Arrivals(Quintal)	Last Traded Price (per Quintal)					
ALIGARH	583	2650	2560	2300	2300	2300	2300
DADRI UP	156	2650	2650	2650	2651	2651	2651
ETAWAH	35	2250	2250	2250	2250	2250	2250
KHAIR	30815	2611	2600	2721	2700	2700	2700
MAINPURI	67827.6	2250	2600	2300	2200	2200	2200
MATHURA	502	3001	2500	2501	2501	2501	2501
MILAK	24	1750	1750	1750	1750	1750	1750
RAMPUR BILASPUR	3635.4	2005	2005	2212	2425	2425	2425
SAHARANPUR	7593.4	2625	2600	2925	2720	2720	2720

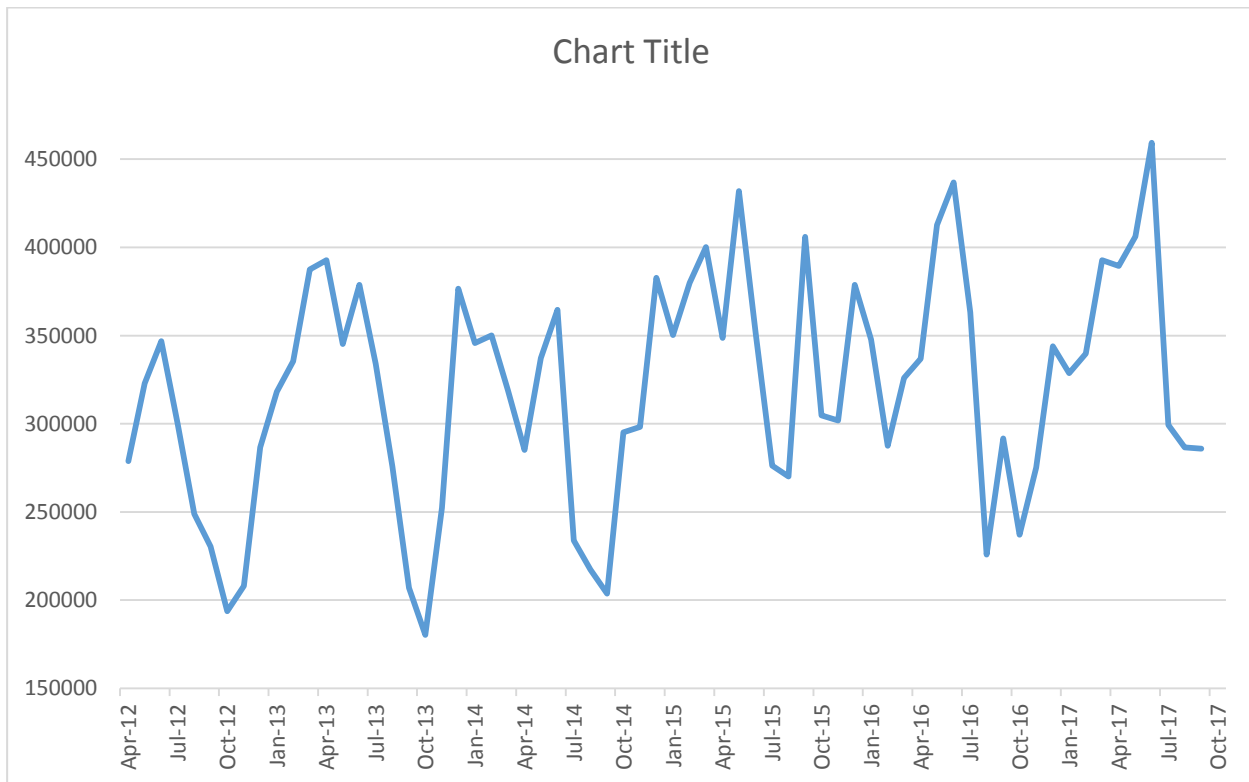
Mandi Arrival are only indicative figures on which trading has taken place at indicative prices. These price levels are not on the overall arrivals which have been traded in the market place. Any discrepancy in the prices/ mandi arrivals can be further corrected in subsequent reporting

All India Exports of Basmati Rice from India.

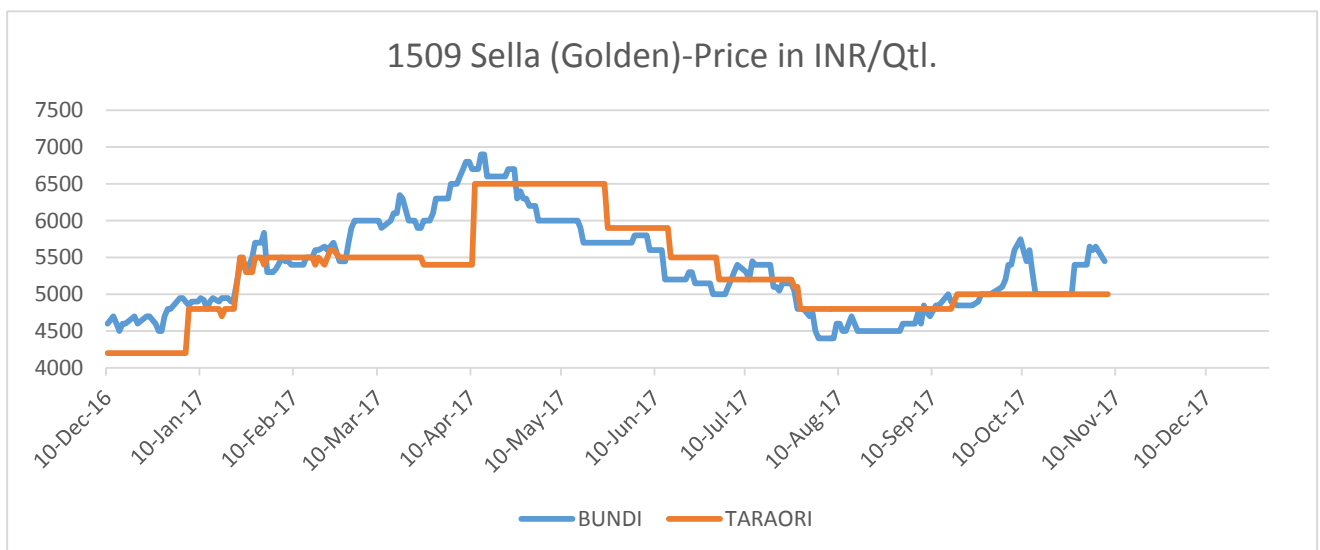
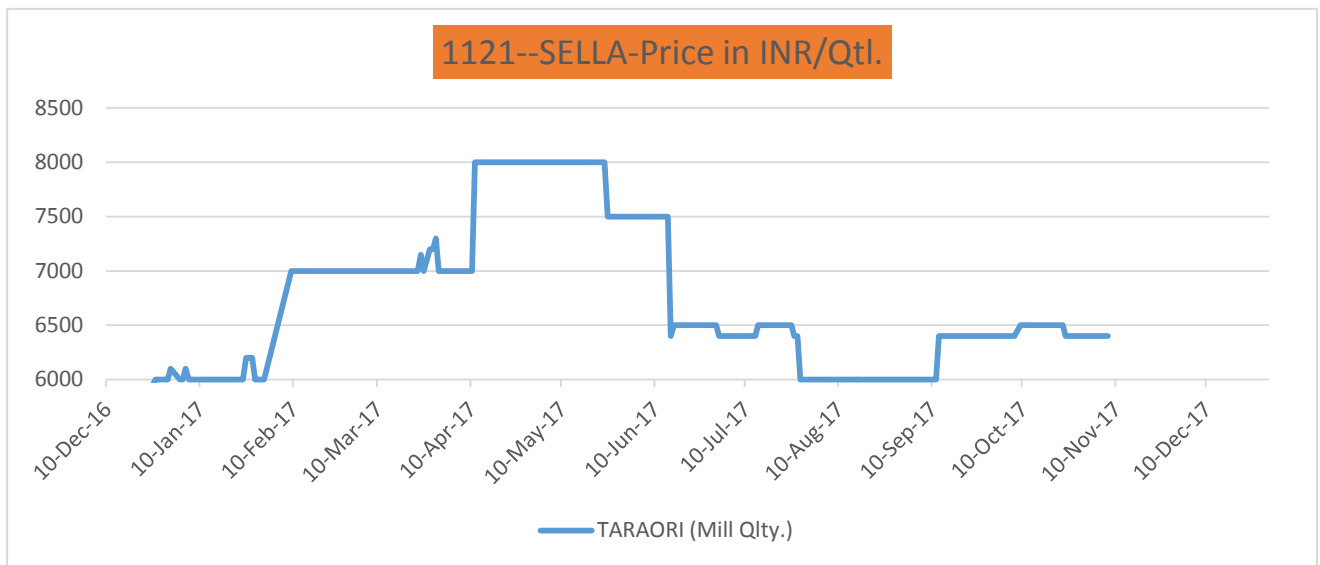
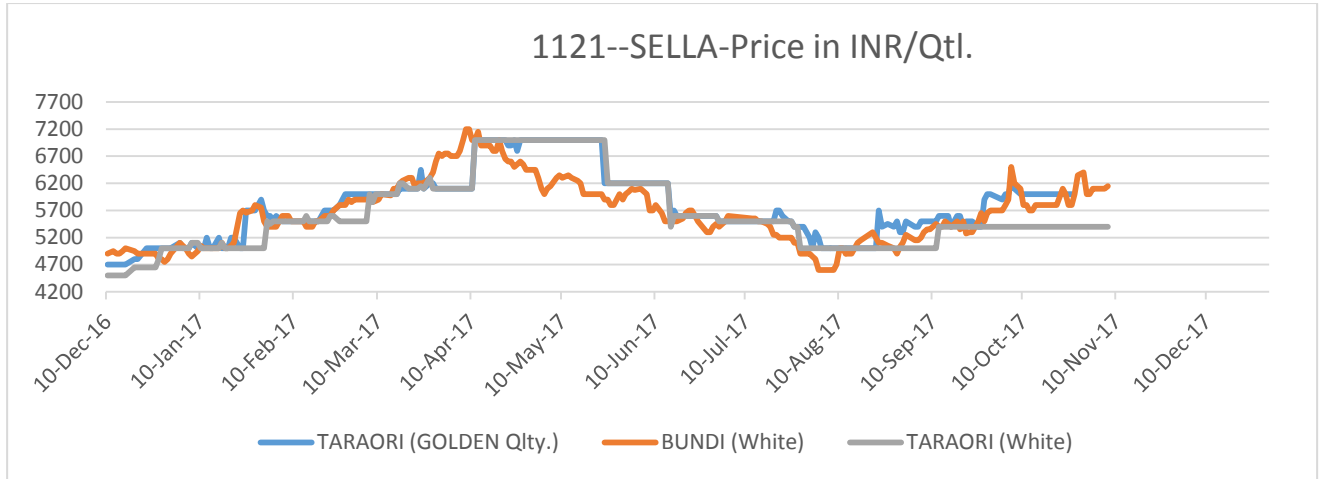
Qty in Ton

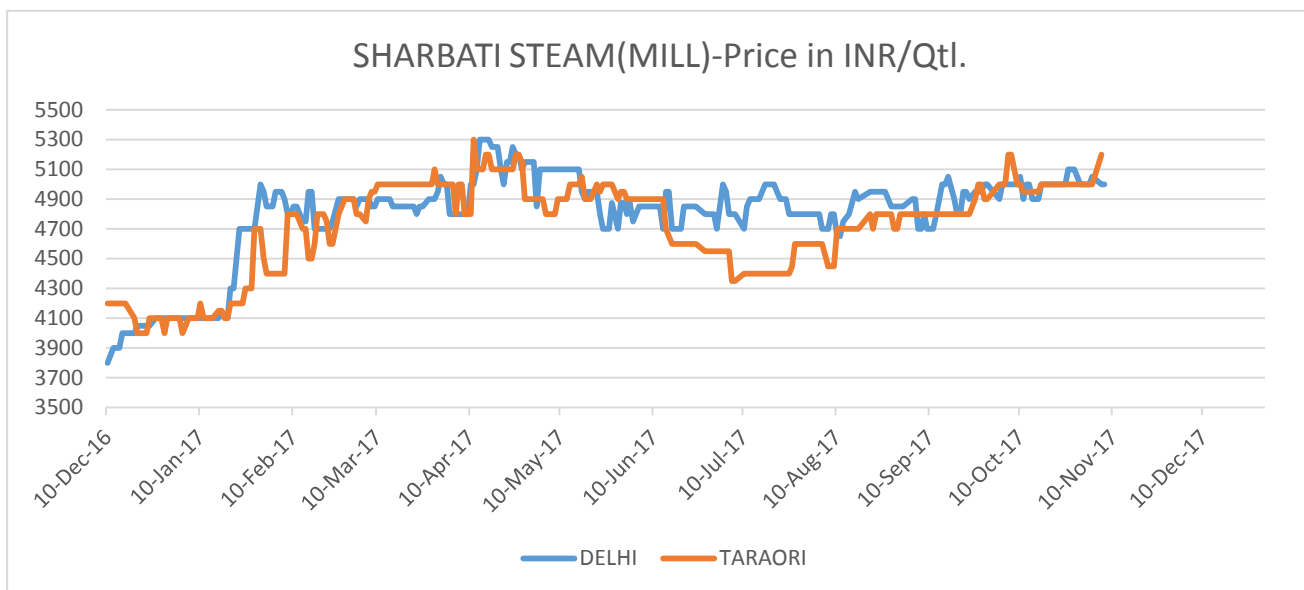
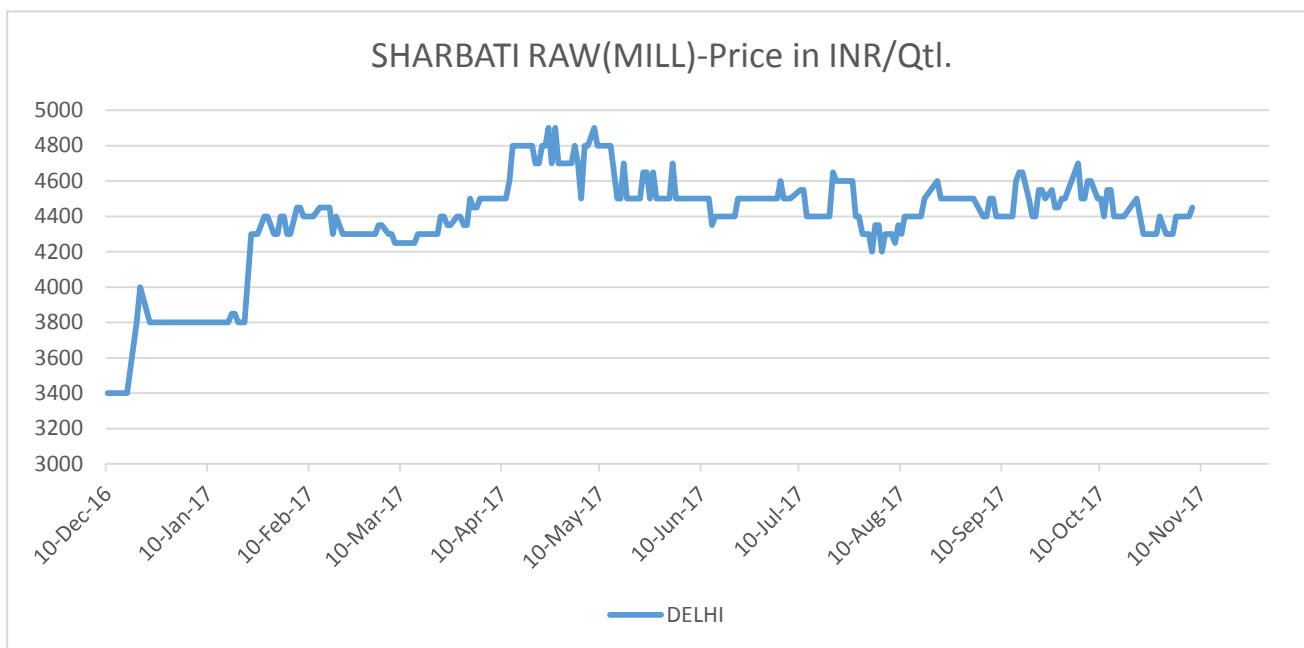
	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
April	2,78,797	3,92,799	2,85,108	3,48,565	3,36,769	3,89,406
May	3,22,913	3,45,188	3,37,150	4,31,895	4,12,769	4,06,253
June	3,46,910	3,78,786	3,64,636	3,51,894	4,36,780	4,59,334
July	2,99,985	3,33,990	2,33,774	2,76,219	3,63,185	2,99,339
August	2,48,884	2,75,844	2,17,355	2,70,100	2,25,776	2,86,514
Sept	2,30,425	2,06,876	2,03,733	4,05,980	2,91,636	2,85,853
Oct	1,93,703	1,80,191	2,95,146	3,04,647	2,37,108	
Nov	2,07,964	2,52,292	2,98,274	3,01,920	2,75,149	
Dec	2,86,546	3,76,614	3,82,720	3,78,714	3,43,848	
Jan	3,18,083	3,45,687	3,50,320	3,47,789	3,28,677	
Feb	3,35,395	3,50,092	3,79,888	2,87,501	3,39,748	
March	3,87,474	3,19,005	4,00,195	3,25,944	3,92,731	
Total	34,57,079	37,57,364	37,48,299	40,31,168	39,84,176	21,26,699

Source: DGCIS



All India Rice price trends in major markets





District wise Transplanted Area, Production Basmati & Non-Basmati Long Grain Rice Area during Kharif 2017

Haryana

In Haryana, the harvesting of Pusa Basmati- 1509 & Pusa Basmati-1 are being harvested. The production estimates of Pusa Basmati-1509, Pusa Basmati-1, Pusa Basmati-1121 and Sharbati are given in Table below

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in Haryana
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509		PB -1		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production
Ambala	6.2	17.3	0.1	0.6	0.2	1.1	0.1	0.4
Bhiwani	18.7	59.7	0.0		0.0		0.3	0.9
Faridabad + Palwal	22.1	63.9	0.2	0.9	3.2	14.0	0.3	1.1
Gurgaon	2.0	6.0	0.0		0.2	0.7	0.3	0.9
Fatehabad	23.3	93.7	1.5	7.8	12.0	79.7	0.1	0.3
Hisar	36.0	141.3	0.5	2.9	0.8	4.1	0.3	0.9
Jajjhar	37.3	121.0	1.1	4.4	0.0		0.3	0.9
Jind	55.3	256.0	2.2	9.4	7.4	36.0	0.3	0.9
Kaithal	34.3	127.8	3.4	17.3	0.1	0.5	0.3	0.9
Karnal	36.5	150.4	9.9	48.8	0.2	1.1	0.1	0.4
Kurukshetra	9.9	39.0	3.0	14.8	2.3	12.1	0.3	1.0
Mewat	6.6	22.6	0.0		0.0		0.3	0.9
MahendraGarh			0.0		0.0		0.3	0.9
Panchkula			0.0		0.0		0.3	0.9
Panipat	51.5	157.0	2.5	12.0	2.0	7.7	0.3	1.3
Rewari	1.1	3.9	0.0		0.0		0.3	0.9
Rohtak	30.7	105.4	0.1		0.0		1.1	3.4
Sirsa	10.1	49.4	3.4	19.8	6.1	30.6	0.5	2.0
Sonepat	61.0	194.3	1.4	5.7	0.0		0.3	0.9
Yamunanagar	0.7	2.9	0.7	3.5	6.9	35.3	0.3	0.9
TOTAL HARYANA	443.5	1611.6	30.0	147.9	41.4	223.0	6.0	21.2

Punjab

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in Punjab
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509		PB -1		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production
Amritsar	73	267	31	153	0	0	0.4	1.4
Barnala	2	7	0	0	0.50	2.4		0.0
Bhatinda	10	32	0	0	0	0		0.0
Faridkot	21	84	0	0	0	0		0.0
Fatehgarh Sahib	8	30	0	0	2	9.2		0.0
Fazilka	67	273	0	0	0	0		0.0
Firozpur	48	174	0	0	0	0		0.0
Gurdaspur	42	152	0	0	0	0	3.6	13.9
Pathankot	3	8	0	0	0	0	1.9	7.1
Hoshiarpur	7	25	0	0	0	0		0.0
Jalandhar	10	36	1	0	0	0		0.0
Kapurthala	8	27	0	0	0	0		0.0
Ludhiana	17	64	2	11	3.2	14.3		0.0
Mansa	1	3	0	0	0	0		0.0
Moga	18	45	0	0	0.1	0.57		0.0

District	Pusa Basmati 1121		Pusa 1509		PB -1		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production
Mohali	4	12	0	0	0	0		0.0
Muktsar	42	150	0	0	8.3	39.9		0.0
Nawanshahar	5	16	0	1	0	0		0.0
Patiala	16	63	1	5	2.6	12.6		0.0
Rupnagar	3	10	0	0	0	0		0.0
Sangrur	26	97	0	0	6.4	31.1		0.0
Tarantaran	72	266	3	18	0	0		0.0
Total	500	1842	40	193	23	110.2	5.9	22.2

Uttar Pradesh

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in U.P
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509		PB -1 & 6		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production
Agra	0.3	0.8	0.5	1.8	0.1	0.2		
Aligarh	16.8	45.4	4.3	18.0	4.8	13.3	2.5	8.4
Auraiya	1.0	2.5	0.2	0.5	0.0	0.2	1.8	4.8
Baghpat	1.9	5.3	0.5	2.1	1.2	3.5	0.2	0.8
Bareilly	1.2	3.1	0.7	2.2	0.5	1.3	46.4	135.2
Bijnore	1.5	3.5	2.3	7.8	3.1	9.0	18.1	56.0
Budaun	1.9	4.8	2.1	6.0	0.7	2.2	20.8	62.0
Bulandshahr	19.0	53.5	4.5	18.4	5.8	19.2	4.5	15.3
Etah+Kasganj	4.9	11.7	3.1	10.0	0.5	1.5	0.9	2.5
Farukhabad	1.7	4.5	0.9	2.5	0.1	0.2	0.1	0.4
Firozabad	2.2	5.9	1.3	4.8	0.2	0.7	0.1	0.3
Etawah	6.2	17.6	2.6	8.7	0.2	0.5	0.1	0.2
Gautam Buddha Nagar	17.6	51.6	0.8	3.3	1.8	5.9	1.4	4.7
Ghaziabad+Hapur	5.4	17.6	2.9	12.6	1.4	4.6	3.1	9.0
Hathras	3.9	11.1	2.4	8.0	0.8	2.6	0.7	2.1
Mathura	22.7	67.7	3.4	12.7	1.0	3.4	0.3	0.9
Mainpuri	15.4	40.7	2.5	7.6	0.2	0.7	0.2	0.5
Meerut	2.2	5.8	2.5	10.1	2.3	7.4	0.6	2.0
Moradabad	0.9	2.8	2.2	8.0	0.3	1.0	9.3	30.9
J. P. Nagar	1.1	3.0	2.0	7.0	1.0	2.9	7.2	23.5
Kannauj	0.6	1.6	1.4	4.2	0.2	0.4	0.1	0.4
Muzaffarnagar+Shamli	4.23	11.3	2.5	10.3	3.9	12.6	1.3	3.6
Pilibhit	0.82	2.4	3.4	13.0	0.2	0.5	5.4	16.6
Rampur	0.65	1.9	1.2	4.5	0.1	0.5	24.0	71.7
Saharanpur	6.9	19.2	3.3	12.4	11.9	36.6	7.5	22.1
Shahjehanpur	1.52	4.3	0.8	3.2	0.3	0.8	8.7	28.8
Sambhal	1.44	3.6	1.7	6.5	0.4	1.3	8.5	25.4
Total	144	403.2	56.0	206.3	42.8	133.0	173.6	528.2

Uttarakhand

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in U.K
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509		PB -1		Sharbati	
	Area	Production	Area	Production	Area	Production	Area	Production
Dehradun	0.33	0.79	0.2	0.7			2.5	7.5
Haridwar	1.41	3.88	0.5	2.3	2.2	7.3	3.6	13.4
Nainital	0.28	0.72	0.3	0.9			1.4	4.7
U S Nagar	1.52	3.74	1.5	6.2	0.1	0.36	7.5	24.2
Total	3.54	9.12	2.5	10.1	2.27	7.62	15.0	49.7

Jammu & Kashmir

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in J & K
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509		Sharbati	
	Area	Production	Area	Production	Area	Production
Jammu	1.4	4.4	0	0	9.1	32.3
Kathua	6.3	20.6	0.2	0.8	0.7	2.6
Samba	0.6	0.2	0.1	0.3	0.3	1.0
Total	8.2	25.1	0.3	1.1	10.1	35.9

Himachal Pradesh

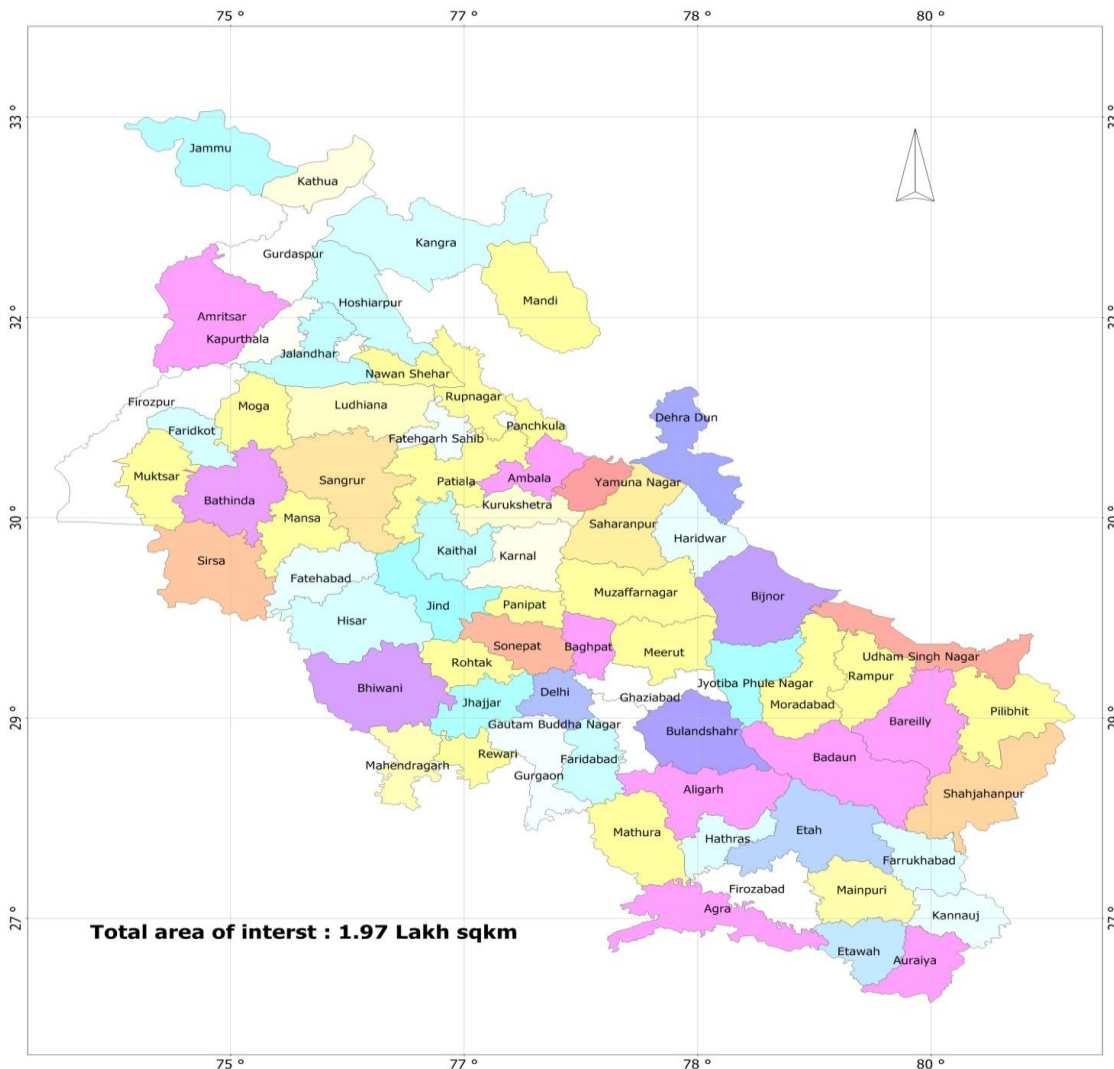
District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2017 in H.P
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509	
	Area	Production	Area	Production
Kangra*	1.92	7.22	1.0	4.5
Mandi*			4.1	4.4
Total	1.92	7.22	5.1	4.4

Chapter 2

Project Background

Timely information on the area and likely production of the crop before the harvest helps exporters and other decision makers involved in Basmati trade to take decisions about the quantum and time of export. Realizing this potential, the Basmati Export Development Foundation (BEDF), New Delhi contracted M/s Geotrans Technologies Pvt. Ltd to undertake field survey work for acreage estimation for all rice, for Basmati crop for selected other non-notified varieties), crop health monitoring and yield estimation and production for Basmati rice and non-notified varieties and questionnaire based sample survey of farmers, for 88 districts in the selected seven states i.e. Punjab, Haryana, Uttar Pradesh, Uttarakhand, Himachal Pradesh, and Jammu & Kashmir apart from Delhi. The field survey based approach has been being applied to collect the information at block level to improve the accuracy further to a desired level. The Basmati varieties for which information is required include Basmati-370, Basmati- 386, Type-3 (Dehraduni), Taraori, Ranbir), Pusa-1509, Pusa Basmati-1, CSR-30 and Pusa Basmati-1121 and non-notified, non- Basmati (Sharbati, and Permal).



Study Area Details

The study is confined to 79 districts, which includes 22 districts of Punjab (Amritsar, Barnala, Bathinda, Faridkot, Fatehgarh, Sahib, Firozpur, Fazilka, Gurdaspur, Pathankot, Hoshiarpur, Jalandhar, Kapurthala, Ludhiana, Mansa, Moga, Mohali, Muktsar, Nawanshahr, Patiala, Ropar, Sangrur and Tarantaran), 21 districts of Haryana (Ambala, Faridabad, Bhiwani, Fatehabad, Gurgaon, Hissar, Jhajjar, Jind, Kaithal, Karnal, Kurukshetra, MahendraGarh, Mewat, Palwal, Panchkula, Panipat, Rewari, Rohtak, Sirsa, Sonapat, Yamunanagar), 3 Districts of Jammu & Kashmir (Jammu, Samba and Kathua), 27 districts of Uttar Pradesh (Agra, Aligarh, Auraiya, Baghpat, Bareilly, Bijnore, Budaun, Bulandshahr, Etah, Kasganj, Etawah, Ferozabad, Gautam Buddha Nagar, Ghaziabad, Hapur, Hathras, J. P. Nagar, Kannauj, Mainpuri, Mathura, Meerut, Moradabad, Sambhal, Muzaffarnagar, Shamli, Pilibhit, Rampur, Saharanpur, Shahjehanpur), 4 districts of Uttarakhand, 2 district of Himachal Pradesh and one of Delhi.

State Wise Transplanted Area, Basmati & Non-Basmati Long Grain Rice Area during Kharif 2017 (in 000ha)

S. No	State	Total Basmati	Pusa-1121	PB-1	Pusa-1509	Pusa-1401	Basmati 370	CSR-30	Type-3 & Others	Non-Notified	
										Sharbati	Sugandha
1	Haryana	652.05	443.50	41.40	30.0	44.1		93.07		6.03	
2	Punjab	561.0	500.0	23.0	39.0					5.9	
3	Uttar Pradesh	255.75	144.13	42.84	55.95				12.84	173.56	91.72
4	Uttarakhand	14.79	3.53	2.27	2.53				6.44	14.97	0.49
5	Jammu & Kashmir	62.0	8.0				53.0			10.1	
6	Himachal Pradesh	7.0	2.0		5.0					0.0	
7	Delhi										
Total		1553.0	1102.0	110.0	132.0	44.0	53.0	93.0	19.0	210.6	92.2

State Wise initial estimated production of Basmati & Non-Basmati long grain Rice during Kharif 2017 (production in 000 ton)

S. No	State	Total Basmati	Pusa-1121	PB-1	Pusa-1509	Pusa-1401	Basmati 370	CSR-30	Type-3 & Others	Non-Notified	
										Sharbati	Sugandha
1	Haryana	2534.1	1611.6	223.0	147.9	272.5		278.9		21.2	
2	Punjab	2139.0	1840.0	110.0	189.0					22.2	
3	Uttar Pradesh	763.2	403.2	133	206.3				20.7	528.24	308.8
4	Uttarakhand	39.05	9.12	7.62	10.1				12.22	49.73	1.93
5	Jammu & Kashmir	132.0	25.0		1.0		106.0			35.9	
6	Himachal Pradesh	30.0	7.0		22.0					0.0	
Total		5644	3909	475	580	273	106	279	33	658	310

State wise Variety wise

Basmati Acreages (000 ha.) & Production (000 tons) of Basmati rice basis initial estimations

State	2016		2017	
	Basmati Area		Basmati Production	
Haryana	720.1	652	1842.1	2534
Punjab	615.3	563	2047.6	2145.42
U. P	266.2	256	451.7	763.2
U. K	15.6	16	11.3	39.05
J & K	62.3	62	25.7	132
H.P	7	7	7.6	30
Delhi				
Total	1686.4	1555	4386	5644

State wise Acreages (000 ha.) & Production (000 tons) of Pusa-Basmati 1121

S. No	State	2016		2017	
		Basmati Area		Basmati Production	
1	Haryana	504.9	443.5	1842.1	1611.6
2	Punjab	555.8	500.1	2047.6	1842.3
3	Uttar Pradesh	156.3	144.1	451.7	403.2
4	Uttarakhand	4.2	3.538	11.3	9.1
5	J & K	8.4	8.2	25.7	25.1
6	Himachal Pradesh	2	1.9	7.6	7.2
7	Delhi				
	Total	1231.5	1101.3	4386	3898.5

State wise Acreages (000 ha.) & Production (000 tons) of Pusa-Basmati 1509

S. No	State	2016		2017	
		Basmati Area		Basmati Production	
1	Haryana	26.2	30.0	130.1	147.9
2	Punjab	35.2	39.5	171.9	192.9
3	Uttar Pradesh	53.7	56.0	204.1	206.3
4	Uttarakhand	2.5	2.5	10.1	10.1
5	J & K	0.3	0.3	1.1	1.1
6	Himachal Pradesh	5	5.1	22.1	22.3
7	Delhi				
	Total	122.8	133.4	539.4	580.7

State wise Acreages (000 ha.) & Production (000 tons) of Pusa-Basmati 1

S. No	State	2016		2017	
		Basmati Area		Basmati Production	
1	Haryana	44.3	41.4	239.6	223.0
2	Punjab	24.3	23	116.1	110.2
3	Uttar Pradesh	43.3	42.8375	139.1	133.0
4	Uttarakhand	2.3	2.2736	8	7.6
	Total	114.2	109.6	502.7	473.9

State wise Acreages (000 ha.) & Production (000 tons) of Long Grain Non-Basmati(Sharbati)

S. No	State	2016		2017		2016		2017*	
		Sharbati Area				Sharbati Production			
1	Haryana	5.75	6.03	20.47	21.25				
2	Punjab	5.75	5.90	21.82	22.16				
3	Uttar Pradesh	163.92	173.56	509.75	528.24				
4	Uttarakhand	14.57	14.97	49.20	49.73				
5	J & K	9.95	10.15	35.55	35.90				
	Total	199.94	210.60	636.79	658.18				

State wise Acreages (000 ha.) & Production (000 tons) of Long Grain Non-Basmati(Sugandha)

S. No	State	Area (in 000 Ha.)			
		2016	2017	2016	2017*
		Basmati Area		Basmati Production	
1	Uttar Pradesh	90.9	91.7	310.4	308.8
2	Uttarakhand	0.5	0.5	2.0	1.9
	Total	91.4	92.2	312.4	310.7

**Estimations for the current season*

Chapter-3

Methodology

- We have done the complete study based on field based survey
- We have deputed the field teams in targeted 7 states which conducted the farmer interviews in around 78 districts of total 81 districts
- We have done questionnaires' based farmer survey and taken farmers pictures along with actual survey days newspapers. We tagged the farmer pictures through geo-tagging wherever possible by the field team
- To vet the complete study, we have also taken assistance from satellite images and tele-calling so that complete perspective can be taken into considerations while arriving the results of the study
- To further validate the results, we have also taken the last year's figures from the previous reports, so that survey results error must be minimized, and actual figures can be achieved in the study

Way Forward

- Survey teams will be continuously in the field throughout the survey period and will report on crop progress, so that subsequent reports will be presented in the more meaning & timely manner
- Next report will focus on finalizing the crop production numbers along with Mandi arrival pace / crop production / crop cutting experiments / price trends / any infestation or losses if any
- Next report will be presented during last week of November 2017,

Data Source

- All figures based on farmers / input dealers / traders / market participants interview
- Last five-year dataset from previously submitted reports
- Prices are taken from independent price pooling exercise from last Dec 2016 onwards
- Monsoon data was collected from IMD & other meteorological departments
- Export data has been taken from DGCIS website
- Mandi arrival data has been gathered from mandi sources and price pooling exercise done by our field survey team. Mandi arrival has been referred from E-NAM govt website too