

REPORT - 4

18th Nov, 2018

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 2018)

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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The scientific team of Geotrans would like to thank all the farmers, traders, exporters, agriculture input dealers and others who participated in this survey programme and supported our field team. We expect that all stakeholders extend similar kind of support in subsequent reports for successful completion of project in time bound manner

TEAM GEOTRANS

Geotrans Technologies Pvt. Ltd.

Chapter 1

Executive Summary

Scope of the Report

The present report being the report for Kharif 2018 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 75% 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 form of tables / text and pics

State Wise Transplanted Area, Production

Basmati & Non-Basmati Long Grain Rice Area during Kharif 2018

Total rice transplanting in the studied 7 states has been decreased by 2.34% 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 & 79 districts has decreased by 2.48%. 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 40 to 50 thousand hac area under Basmati has been shifted either to non-Basmati long grain rice or shifted to other major competitive crops like sugarcane & cotton as compared to last year.

The various interactions with farmers/ secondary market players and Geotrans experts field visits suggest that this year about 50 - 53 lakh tons of Basmati production is expected against 56.43 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, 2018-19 season has seen about 2.48% dip in overall acreage of Basmati crop while yield levels are about 6-7% down as compared to last year in states like Punjab / Haryana / UP/ Uttaranchal / J&K / HP, 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 crop cutting results compiled and analysed in next few weeks from now.

State Wise Transplanted Area, Production

Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 (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	634	2226	428	1369	34	135	41	217	6	20
Punjab	547	2005	482	1697	41	199	23	109	6	22
U. P	251	739	138	379	58	215	42	125	174	529
U.K	14.6	37	3.38	9	3	10	2	7	17	57
J & K	62.4	135	8.24	25	0	1			10	36
H.P	7.07	20	1.92	6	5	15				
Total	1515	5165	1062	3483	141	574	108	458	213	665

This year initial round of farmer interaction and various mandi visits suggests that harvest has started about a week later than usual time due to late Sep, 2018 rainfall. Due to these late rains there was a higher moisture in crop produce and got delays in crop harvest. As usual 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 10-20% up as compared to to-date last year prices 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 2018)

Basmati & Non-Basmati Long Grain Rice during Kharif 2018

State/ Varieties	Punjab		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	70%	25-40%	3200-3500
Pusa Basmati 1509	100%	85%	2500-2600
Pusa Basmati 1	70-75%	30%	1750-1800
CSR 30	25-30%	30%	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. This year Punjab farmers (bordering Haryana) also sold their produce in Haryana mandis due to higher level of moisture acceptance as compared to their own mandis.

HARYANA

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2018) Basmati & Non-Basmati Long Grain Rice during Kharif 2018

State/ Varieties	Haryana		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	75%	40%	3500-3600
Pusa Basmati 1509	100%	80%	2800-3000
Pusa Basmati 1	70%	50%	3000-3200
CSR 30	40-50%	40%	3800-4000
Pusa Basmati-1401	100%	40%	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 ranges also are little bit on higher side as compared to the Punjab markets.

UTTAR PRADESH

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2018) Basmati & Non-Basmati Long Grain Rice during Kharif 2018

State/ Varieties	Uttar Pradesh		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	75-80%	70%	3200-3300
Pusa Basmati 1509	100%	85%	2800-3000
Pusa Basmati 1	65-70%	55%	2500-2800
Sharbati	95%	85%	1700-2000
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 2018)
Basmati & Non-Basmati Long Grain Rice during Kharif 2018

State/ Varieties	Uttaranchal		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	80-85%	75%	2800-3100
Pusa Basmati 1509	100%	85%	2850-3000
Pusa Basmati 1	80%	75%	2500-2800
Basmati-370/386/Ranbir	20-25%	70%	2600-2800
Sharbati	90%	50-60%	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

J&K

State Wise harvested area/ mandi arrival & price range offered on different varieties (reported till 14 Nov 2018)
Basmati & Non-Basmati Long Grain Rice during Kharif 2018

State/ Varieties	J&K		
	Harvested Area %	Mandi Arrival %	Mandi Price Range (Rs/ Qtl)
Pusa Basmati 1121	65-70%	55-60%	3200-3300
Pusa Basmati 1509	95-100%	45%	2800-2900
Basmati-370/386/Ranbir	40%	10-20%	3500-3600

State-Mandi wise arrival/prices

HARYANA

Basmati & Non-Basmati Long Grain Rice Area during Kharif 2018

Basmati 1121 Prices in Haryana mandis

APMC	14-Nov	7-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	<i>Price (per Quintal)</i>					
AMBALA	3395	3625	3395			
ASANDH	3625	3645		3200		
BARWALA HISAR	3645		3551	3491		
CHEEKA	3670		3575			
DHAND	3775		3680			
ELLANABAD	3200					
FATEHABAD	3335		3270		3325	
GANAUR	3621					
GHARAUNDA	3641			3500		
GOHANA	3621	3611	3491	3552		
HANSI	3625			3151		
HODAL	3200					
INDRI	3600		3600	3500		
ISMAILABAD	3800		3571	3625		
JAKHAL	3786		3368			
JIND	3654			3591		
JULANA	3801	3801	3601	3575		
KAITHAL	3625		3560	3570	3510	
KALAYAT	3675		3661	3591	2901	2445
KARNAL	3600		3525	3570		
LADWA	3600			3600		
MADLAUDA	3672	3651	3611	3580		
NARNAUND	3671	3611	3585	3546		
NARWANA	3680	3650	3621	3511	3334	
NISSING	3700	3650	3500			
PANIPAT	3651		3673	3621	3511	
PEHOWA	3650		3641			
PILLUKHERA	3696					
PUNDRI	3900	3921	3500	3541	3551	
REWARI	3600		3561	3516	2871	
ROHTAK	3581		3521	3532		
SAFIDON	3681		3571	3430		

SAMALKHA	3631		3551	3471	2871	
SHAHBAD	3500			3631		
SIRSA	3200					
SONEPAT	3751		3571	3701		
TARAORI	3581		3601	3200		
THANESAR	3725					
TOHANA	3631					
UCHANA	3681					

Basmati 1509 Prices in Haryana mandis

APMC	14-Nov	7-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	<i>Price (per Quintal)</i>					
AMBALA		2600	2735	2911	2805	2600
ASANDH			3211	2970	2890	2625
BARWALA HISAR	3025		2780	2881	2885	2641
CHEEKA	3375		3010	3025	2770	2665
ELLANABAD	2961		3000	2991	2862	2589
FATEHABAD	2975		2925	3011	3191	2630
GANAUR	3151		2700	3241	2565	
GHARAUNDA	3621		3880	3000	2861	2600
GOHANA	3060		3400	3030	2950	2671
HANSI	3615		2485	3521	2921	2600
ISMAILABAD	2501		3555	3020	2800	2121
JAKHAL	3390		2820	3101	2871	2655
JIND	3380		3511	3011	2901	2655
JULANA	3500		2835	3965	5335	2650
KAITHAL	3641		3022	3055	2890	2688
KALAYAT	3011		2935	3010	3021	2600
KARNAL	3001		2731	3381	3625	2700
LADWA	3595		3050	3691	2870	2695
MADLAUDA	3551		3265	3021	2915	2652
NARNAUND	2871		3044	2671	2931	2611
NARWANA	3065		2871	2985	2911	2415
PANIPAT			2900	2755	2900	2681
PILLUKHERA			2981	3557	2640	2621
PUNDRI		3521	3351	3031	2785	2625
REWARI		3095	3521	3525	3401	2641
ROHTAK		3601	3218	3561	2891	2661
SAFIDON		3001	3511	3305	2826	2621

SAMALKHA		3071	3891	3023	2895	2621
SIRSA		2850	3550	3526	2925	2611
SONEPAT		3601	2843	2891	2881	
TARAORI					2875	
THANESAR					2801	
TOHANA					2871	

UTTAR PRADESH

Basmati 1509 Prices in UP mandis

APMC	14-Nov	7-Nov	30-Oct	22-Oct	16-Oct	10-Oct
	<i>Price (per Quintal)</i>					
ALIGARH	2911		2770	2800	2650	2450
DADRI UP			2580	2701	2721	
KHAIR	3080		2825	2980	2750	
MAINPURI	2475		2476	2385	2295	2095
MILAK			2071	2280	2200	2150
SAHARANPUR	2815		2600	2785	2750	2550

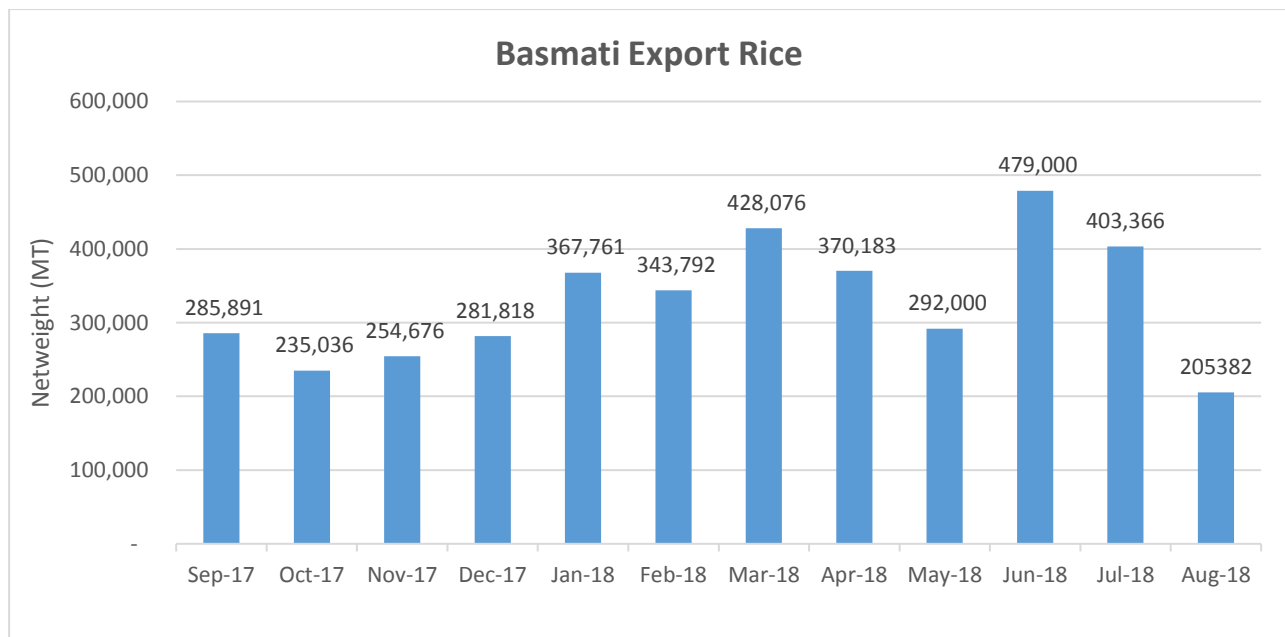
These price levels are not on the overall arrivals but on the e-nam platform traded prices. Price points are only indicative and will give an idea of trading happened on respective dates

All India Exports of Basmati Rice from India from (Sep 2017-Aug 2018)

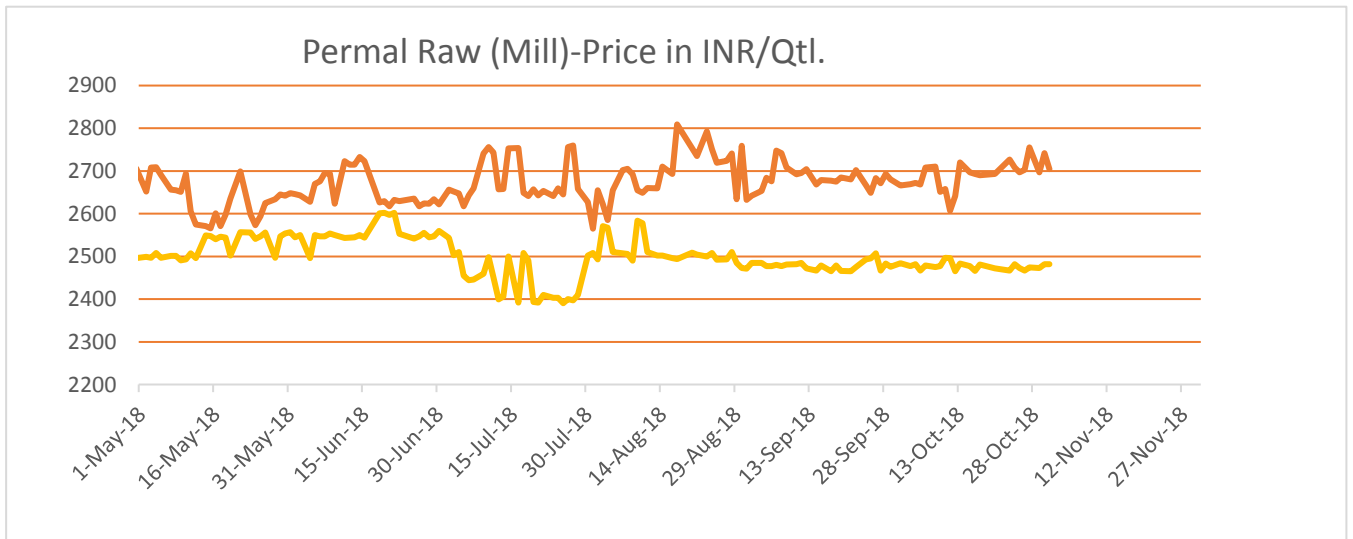
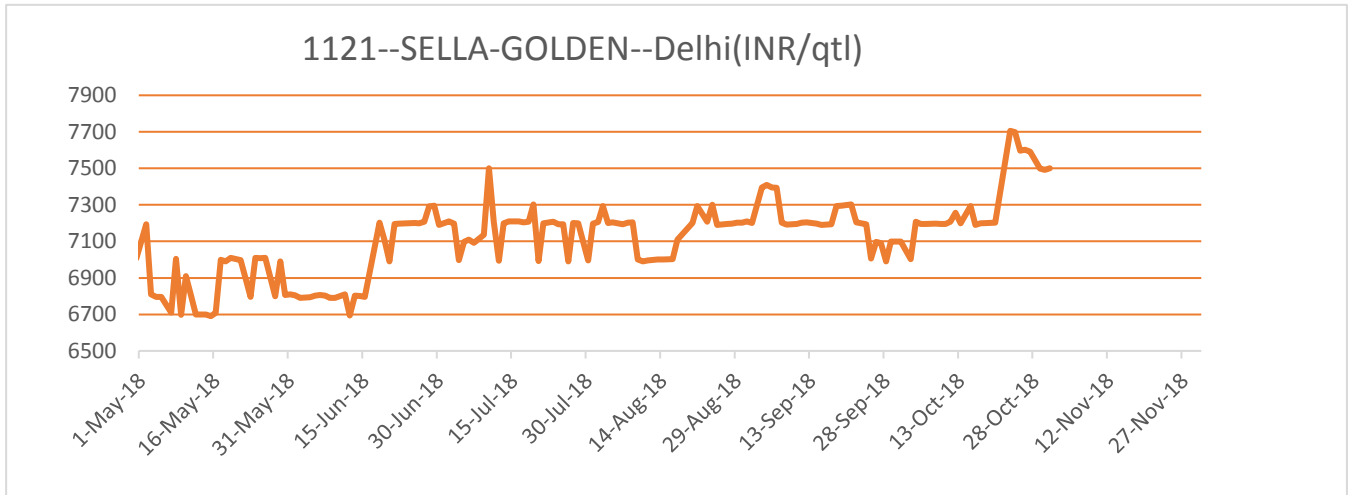
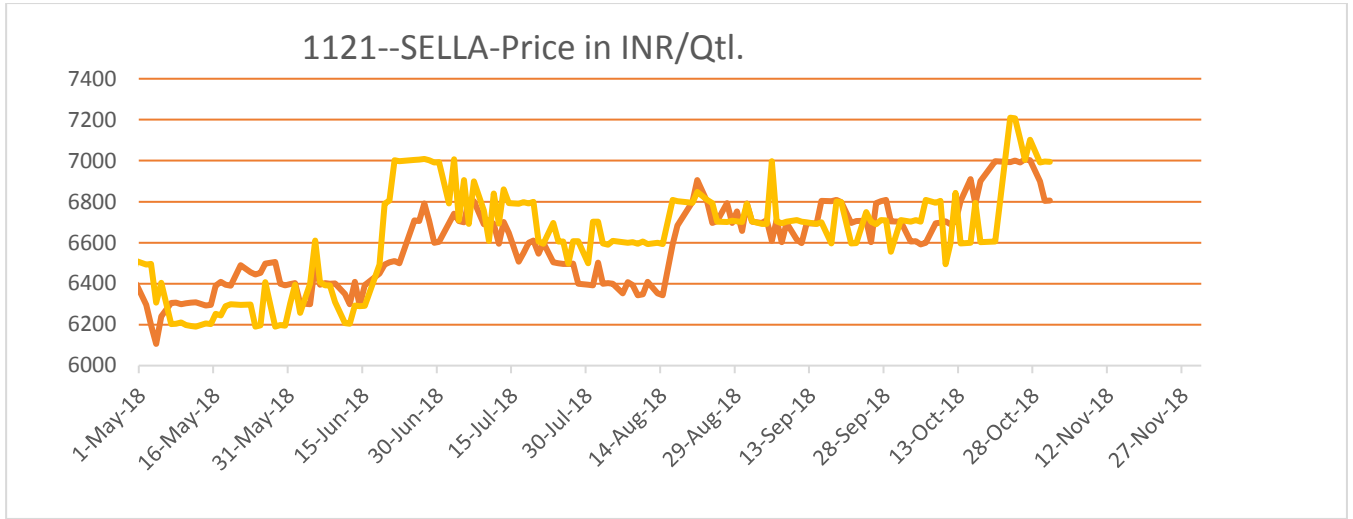
Period Desc.	Fig In Tons
Sep-17	285,891
Oct-17	235,036
Nov-17	254,676
Dec-17	281,818
Jan-18	367,761
Feb-18	343,792
Mar-18	428,076
Apr-18	370,183
May-18	292,000
Jun-18	479,000
Jul-18	403,366
Aug-18	205,382

Source: DGCIS

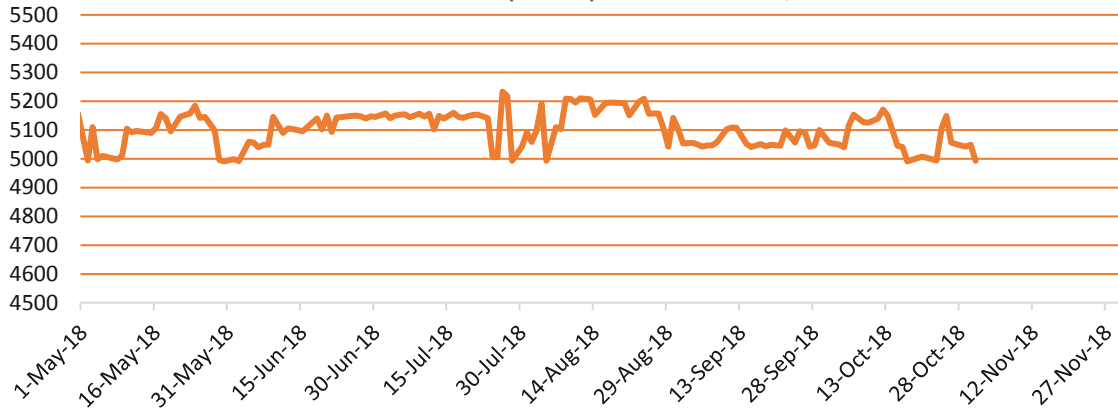
Export of Basmati Rice (Sep 2017-Aug 2018)



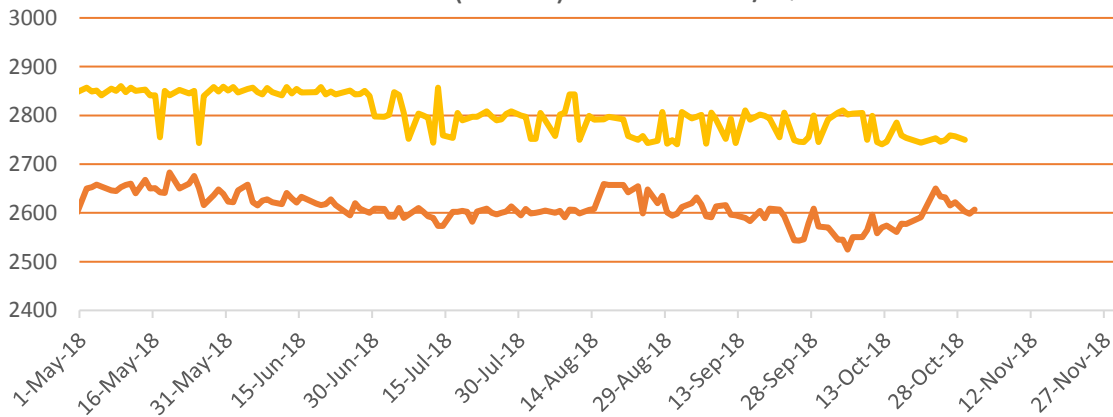
All India Rice price trends in major markets



SHARBATI STEAM(MILL)-Price in INR/Qtl.



Permal Wand (White)-Price in INR/Qtl.



District wise Transplanted Area, Production Basmati & Non-Basmati Long Grain Rice Area during Kharif 2018

Haryana

In Haryana, 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 2018 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	5	13	0	1	0	1	0	0
Bhiwani	19	57	0	0	0	0	0	0
Faridabad + Palwal	19	53	0	1	3	12	0	1
Gurgaon	2	5	0	0	0	1	0	1
Fatehabad	19	55	2	8	12	80	0	1
Hisar	36	117	1	3	1	4	0	0
Jajjhar	39	118	1	4	0	0	0	1
Jind	60	243	2	9	7	34	0	1
Kaithal	33	112	4	18	0	0	0	1
Karnal	35	110	11	38	0	1	0	1
Kurukshetra	10	39	3	15	2	12	0	0
Mewat	7	22	0	0	0	0	0	1
MahendraGarh	0	0	0	0	0	0	0	1
Panchkula	0	0	0	0	0	0	0	1
Panipat	47	109	3	11	2	7	0	1
Rewari	1	4	0	0	0	0	0	1
Rohtak	30	100	0	0	0	0	0	1
Sirsa	8	35	4	20	6	31	1	4
Sonepat	59	173	2	5	0	0	1	2
Yamunanagar	1	3	1	4	7	34	0	1
TOTAL HARYANA	428	1369	34	135	41	217	6	20

Punjab

District Wise Transplanted Area,
 Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 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	72	230	33	160		0	0	1
Barnala	2	7	0	0	0	2	0	0
Bhatinda	9	31	0	0		0	0	0
Faridkot	20	80	0	0		0	0	0
Fatehgarh Sahib	8	25	0	0	2	9	0	0
Fazilka	66	264	0	0		0	0	0
Firozpur	36	130	0	0		0	0	0
Gurdaspur	41	131	0	0		0	4	14
Pathankot	3	7	0	0		0	2	7
Hoshiarpur	6	22	0	0		0	0	0
Jalandhar	10	36	1	0		0	0	0
Kapurthala	8	23	0	0		0	0	0
Ludhiana	17	61	2	11	3	14	0	0
Mansa	1	3	0	0		0	0	0
Moga	17	42	0	0	0	1	0	0
Mohali	4	12	0	0		0	0	0
Muktsar	42	150	0	0	8	40	0	0
Nawanshahar	5	16	0	1		0	0	0
Patiala	16	61	1	7	3	12	0	0
Rupnagar	3	10	0	0		0	0	0
Sangrur	25	91	0	0	6	31	0	0
Tarantaran	72	264	4	20		0	0	0
Total	482	1697	41	199	23	109	6	22

Uttar Pradesh

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 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	16.3	36.6	4.7	21.7	4.3	11.8	2.5	8.4
Auraiya	1.0	2.5	0.2	0.5	0.0	0.2	1.8	4.8
Baghpat	1.8	5.2	0.5	2.1	1.2	3.5	0.2	0.8
Bareilly	1.2	3.0	0.7	2.1	0.4	1.2	46.4	135.2
Bijnore	1.4	3.5	2.5	8.3	3.2	9.2	18.1	56.0
Budaun	1.9	4.8	2.1	6.1	0.7	2.2	20.8	62.0
Bulandshahr	19.3	54.6	4.7	18.8	5.7	19.1	4.5	15.3
Etah+Kasganj	4.7	11.5	3.1	10.2	0.5	1.5	0.9	2.5
Farukhabad	1.7	4.4	0.9	2.5	0.1	0.2	0.1	0.4
Firozabad	2.2	5.8	1.3	4.9	0.2	0.7	0.1	0.3
Etawah	6.0	17.3	2.6	8.8	0.2	0.5	0.1	0.2
Gautam Buddha Nagar	17.1	50.0	0.8	3.3	1.8	5.9	1.4	4.7
Ghaziabad+Hapur	4.7	15.9	3.2	14.4	1.4	4.6	3.5	10.1
Hathras	3.8	11.1	2.4	8.1	0.8	2.6	0.7	2.1
Mathura	22.5	68.1	3.4	12.9	1.0	3.4	0.3	0.9
Mainpuri	13.9	37.2	2.8	8.2	0.2	0.7	0.2	0.6
Meerut	2.2	4.9	2.6	11.2	2.3	7.4	0.6	2.0
Moradabad	1.1	2.6	2.3	8.3	0.3	1.0	9.3	30.9
J. P. Nagar	1.2	3.0	2.0	7.2	1.0	2.9	7.2	23.5
Kannauj	0.6	1.6	1.4	4.3	0.2	0.4	0.1	0.4
Muzaffarnagar+Shamli	4.1	7.5	2.5	10.5	3.9	11.6	1.3	3.6
Pilibhit	0.8	2.4	3.4	13.2	0.2	0.5	5.4	16.6
Rampur	0.6	1.8	1.4	4.9	0.1	0.5	24.0	71.7
Saharanpur	6.5	15.3	3.4	10.8	11.4	30.9	7.5	22.1
Shahjehanpur	1.3	3.8	0.8	3.2	0.3	0.8	8.7	28.8
Sambhal	1.4	3.6	1.7	6.6	0.4	1.3	8.5	25.4
Total	139.5	378.8	57.8	214.6	41.8	124.8	174.0	529.5

Uttarakhand

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 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	0.2	0.4	0.2	0.7	0.0	0.0	2.6	7.8
Haridwar	1.5	4.1	0.5	2.4	2.1	6.4	4.2	15.8
Nainital	0.3	0.7	0.3	0.9	0.0	0.0	1.5	4.9
U S Nagar	1.4	3.4	1.5	6.3	0.1	0.4	8.6	28.5
Total	3.4	8.5	2.6	10.3	2.3	6.8	17.0	56.9

Jammu & Kashmir

District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 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	1.39	4.29	0.00	0.00	9.13	32.31
Kathua	6.27	20.58	0.21	0.82	0.74	2.55
Samba	0.58	0.20	0.05	0.31	0.28	1.03
Total	8.24	25.08	0.26	1.13	10.15	35.90

Himachal Pradesh

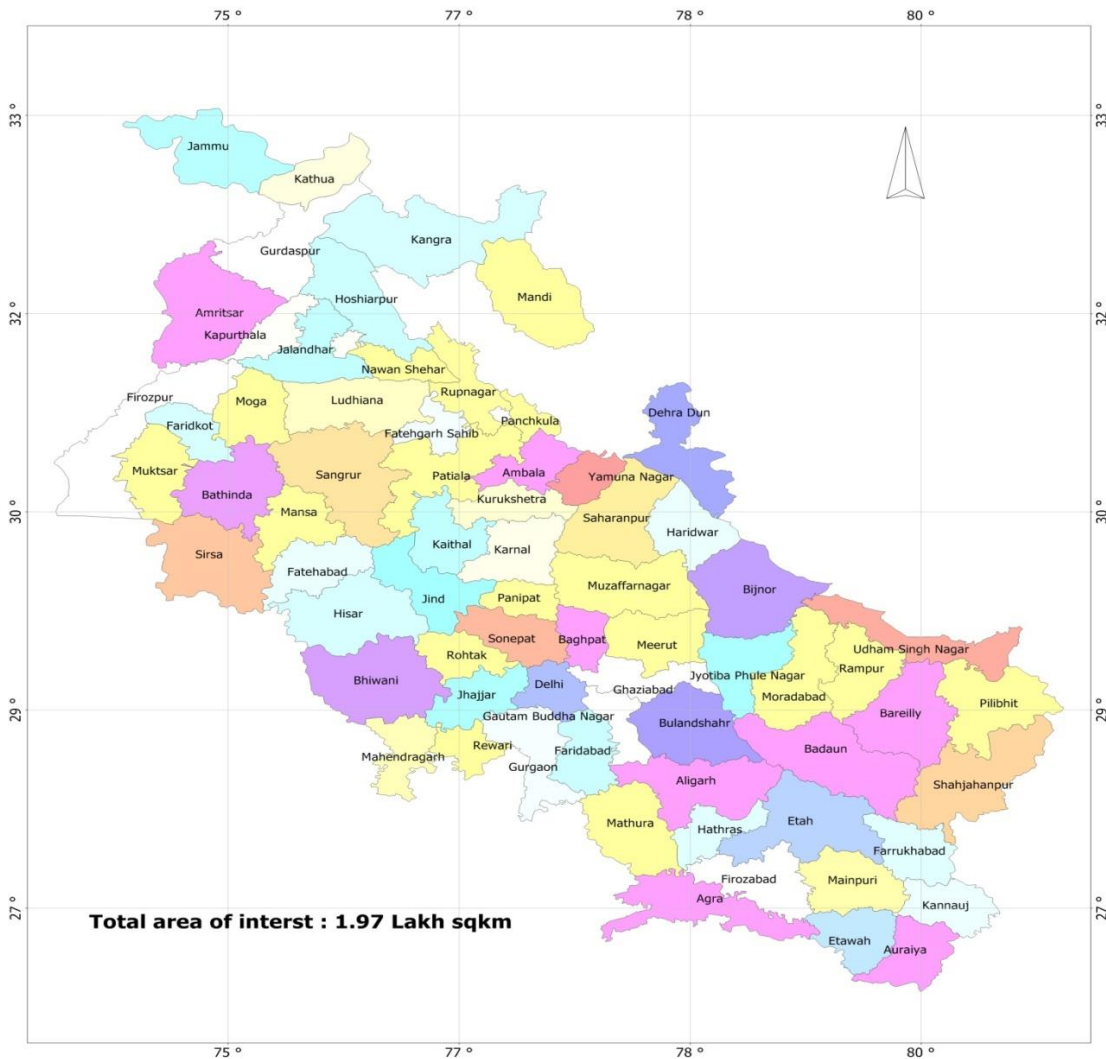
District Wise Transplanted Area,
Basmati & Non-Basmati long grain Rice Area/ Production during Kharif 2018 in H.P
(Area in 000 ha./ production in 000 tons)

District	Pusa Basmati 1121		Pusa 1509	
	Area	Production	Area	Production
Kangra*	1.9	5.8	1.1	3.1
Mandi*			4.1	11.6
Total	1.9	5.8	5.2	14.7

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, crop health monitoring and yield estimation and production for Basmati rice and non-notified varieties and questionnaire based sample survey of farmers, for 79 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 2018 (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	633.7	428.5	41.2	33.6	43.1		87.3		5.8	
2	Punjab	546.6	482.2	23.1	41.1					5.9	
3	Uttar Pradesh	250.8	138.0	41.8	58.2				12.7	174.0	91.2
4	Uttarakhand	14.6	3.4	2.3	2.6				6.3	17.0	0.5
5	Jammu & Kashmir	62.4	8.2		0.3		53.9			10.1	
6	Himachal Pradesh	7.1	1.9		5.2						
7	Delhi	1.0									
Total		1515.1	1062.2	108.3	140.8	43.1	53.9	87.3	19.1	212.8	91.7

State Wise initial estimated production of

Basmati & Non-Basmati long grain Rice during Kharif 2018 (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	2226	1369	217	135	256		250		20	
2	Punjab	2005	1697	109	199					22	
3	Uttar Pradesh	739	379	125	215				20	529	307
4	Uttarakhand	37	9	7	10				12	57	2
5	Jammu & Kashmir	135	25		1		98			36	
6	Himachal Pradesh	20	6		15						
Total		5165	3483	458	574	256	98	250	32	665	309

State wise - variety wise basmati acreage & production vs LY

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

State	2017		2018	
	Basmati Area		Basmati Production	
Haryana	652	634	2535	2226
Punjab	562	547	2142	2005
U. P	256	251	763	739
U. K	15	15	39	37
J & K	62	62	132	135
H.P	7	7	30	20
Delhi	1	1	0	2
Total	1554	1515	5644	5165

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

S. No	State	2017		2018	
		Basmati Area		Basmati Production	
1	Haryana	444	428	1612	1369
2	Punjab	500	482	1842	1697
3	Uttar Pradesh	144	138	403	379
4	Uttarakhand	4	3	9	9
5	J & K	8	8	25	25
6	Himachal Pradesh	2	2	7	6
7	Delhi				
	Total	1101	1062	3898	3483

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

S. No	State	2017		2018	
		Basmati Area		Basmati Production	
1	Haryana	30	34	148	135
2	Punjab	40	41	193	199
3	Uttar Pradesh	56	58	206	215
4	Uttarakhand	3	3	10	10
5	J & K	0	0	1	1
6	Himachal Pradesh	5	5	22	15
7	Delhi				
	Total	133	141	581	574

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

S. No	State	2017		2018	
		Basmati Area		Basmati Production	
1	Haryana	42	41	223	217
2	Punjab	23	23	110	109
3	Uttar Pradesh	43	42	133	125
4	Uttarakhand	2	2	8	7
	Total	110	108	474	458

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

S. No	State	2017		2018	
		Sharbati Area		Sharbati Production	
1	Haryana	6.0	5.8	21.2	20.1
2	Punjab	5.9	5.9	22.2	22.2
3	Uttar Pradesh	173.6	174.0	528.2	529.5
4	Uttarakhand	15.0	17.0	49.7	56.9
5	J & K	10.1	10.1	35.9	35.9
	Total	210.6	212.8	657.3	664.6

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

S. No	State	Area (in 000 Ha.)			
		2017	2018	2017	2018
		Basmati Area		Basmati Production	
1	Uttar Pradesh	92	91	309	307
2	Uttarakhand	1	1	2	2
	Total	92	92	311	309

*Estimations for the current season

Chapter-3

Methodology

- We have done the complete study based on field survey
- We have deputed the field teams in targeted 7 states which conducted the farmer interviews in around 79 districts
- We have done questionnaires'-based farmer surveys and taken farmers pictures along with actual survey day newspapers. We geo-tagged farmers during the survey too in our picture.
- 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 has to be minimized and actual figures can be achieved in the study

Way Forward

- Survey teams will be continuously in the field throughout the survey and report on crop progress to APEDA, so that subsequent reports will be presented in the more meaningful & timely manner
- Next report will focus on Mandi arrival pace / crop production / crop cutting experiments / price trends / any infestation or losses if any
- Any changes as reported from the field on current thoughts will also be incorporated
- Next / final report will be presented during Dec, 2018,

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 May, 2018 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



**Basmati Export Development Foundation
APEDA, New Delhi**

**Prepared by
Geotrans Technologies Pvt. Ltd.**