

**Kharif-
2014**

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

Report Volume - 4

Submitted to
**Basmati Export
Development
Foundation
(APEDA), New
Delhi**

AgriNet Solutions

(A division of BPPL – a UPL group company)
167, 4th Floor, Ready Money Terrace
Dr. Annie Besent Road, Worli Naka,
Mumbai- 400 018. Tel: 09948228525
Email: dharmesh.verma@uniphos.com



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EXECUTIVE SUMMARY

Scope of the Report

The present report being the fourth cycle of report for Kharif-2014 covers the results of field survey based acreage and production report of Basmati varieties and other Non-notified, Non-Basmati long grain varieties in the different districts of Punjab, Haryana, Delhi, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir.

Study districts

The study area covers 81 districts, which includes 22 districts of Punjab, 21 districts of Haryana, 30 districts of Uttar Pradesh, 4 districts of Uttarakhand, 1 district of Himachal Pradesh and 3 districts of Jammu & Kashmir.

Rice Acreage

Out of total **56,68,900** ha area transplanted in GI area under rice during this kharif, **21,26,940** (37.52%) ha has been under various Basmati varieties. Whereas during kharif-2013, the total area transplanted under rice was **57,90,500** ha, out of which the area under basmati varieties was **16,99,620** ha (29.35%). Thus, this year there

is >25% increase in Basmati area in comparison to last year (2013).

In **Punjab**, the rice transplanting has been 27,94,900 ha in 22 districts this year. Pusa-1509 has emerged as predominant variety after Pusa-1121 in the state occupying almost 2.47 lakh ha. area and an estimated production 11,25,000 metric tons. Pusa-1121 acreage (5.42 lakh ha) has also increased by 2% over the last year and the tentative production estimate is 21,17,940 metric tons. Pusa Basmati -1 occupied 24,620 ha area with tentative production estimate 1,14,130 metric tons. CSR-30 also has increased from 18,000 ha. in last year to 22,990 ha this year.

Sharbati a Non-Basmati long grain variety has been transplanted in 38,370 ha and the estimated production is 1,60,640 metric tons.

In **Haryana**, Out of the total 11.38 lakh ha rice transplanted, 8.22 lakh ha has been estimated under Basmati varieties. Pusa-1509 has occupied 1,26,580 ha area in the state with an estimated production 6,49,580 metric tons. Pusa Basmati-1 occupied



96,430 ha area with an estimated production 4,91,510 metric tons and Pusa 1121 occupied 4,10,890 ha area with an estimated production 17,87,050 metric tons. In **Uttar Pradesh**, a total of 14,12,180 ha rice transplanting has been estimated based on field survey in 30 districts this year. Out of the total 3,58,300 ha Basmati area, Pusa-1121 has occupied 1,87,620 ha with an estimated production 6,70,680 metric tons, Pusa-1509, 1,08,250 ha with a production estimate 3,80,340 metric tons and Pusa Basmati-1 occupied 46,230 ha with an estimated production 1,84,240 metric tons. Non-Basmati long grain Sharbati occupied 1,41,280 ha area with a production estimate 5,27,250 metric tons whereas Sugandha occupied 1,52,400 ha area with an estimated production 5,93,910 metric tons. In **Uttarakhand**, A total of 1,25,680 ha rice transplanting has been estimated based on field survey in 4 districts of the state this year. Out of the total 20,120 ha Basmati area, Pusa-1121 has been transplanted in 4,710 ha with a production estimate 16,240 metric tons, Pusa Basmati -1509, 7,360 ha with a 28,170 metric tons production

estimate, Pusa Basmati-1 in 1,700 ha with a production estimate 6,540 metric tons. Non-Basmati long grain variety Sharbati occupied 11,720 ha area with a production estimate 44,950 metric tons and Sugandha occupied only 330 ha area with a production estimate 1,410 metric tons.

In **Jammu & Kashmir**, three districts have been taken up for the study. The total rice area is estimated to be 1,42,100 ha. in these districts. Out of the total 65,640 ha Basmati area, Pusa Basmati-1121 occupied 6,290 ha with a tentative production estimate 22,330 metric tons and Pusa Basmati-1509 occupied 2,200 ha area with a production estimate 8,000 metric tons. Non-Basmati long grain variety Sharbati has been transplanted in 10,990 ha area with a production estimate 38,430 metric tons.

In **Himachal Pradesh**, Only Kangra district has the Basmati area in the state. Out of 15 blocks of the district, only 3 have Sharbati, Pusa-1121 and Kasturi Basmati. This year the transplanting of Basmati has not been very encouraging due to deficient rainfall and only 450 ha area has been transplanted under Basmati.



In **Delhi** approximately 1000 ha area under rice has been transplanted, out of which almost 850 ha area is under Pusa-1121 and only 150 ha area is under Pusa Basmati-1509.

Pusa-1121 production estimates are given based on initial harvesting samples and the corrected figures shall be presented in next volume based on large sampling of CCE.

The incidence (frequency) of sheath blight was recorded higher in Pusa-1509. It is recommended to add special practice package for the farmers to check the disease. Stem Rot disease was observed in almost all the varieties.

It is strongly recommended to increase advisory system for Basmati farmers at the time of sowing.

Since the farmers received high price for Basmati paddy and Pusa-1509 seed being an early maturing & high yield variety was much in demand, the local seed dealers at district level exploited the situation and many of them sold other variety seed in the name of Pusa-1509.

Hand harvested paddy is sold for Rs. 200 more than the paddy harvested using machine in case of Pusa-1509. However, the production in machine harvested was recorded higher by 3.6 quintal/ha.

State wise Basmati varieties area and production estimates are given in table below:



Table 2: State-wise Acreage & Production Estimates for Evolved Basmati Varieties & Non-Basmati long grain Rice during Kharif 2014

Area in '000 ha, Production ('000 tons)							
S. No.	State	Pusa-1121		PB-1		Pusa-1509	
		Area	Production	Area	Production	Area	Production
1	Haryana	410.89	1787.05	96.43	491.51	126.58	649.58
2	Punjab	542.43	2117.94	24.62	114.13	247.12	1125.00
3	Uttar Pradesh	187.62	670.68	46.23	184.24	108.25	380.34
4	Uttarakhand	4.71	16.24	1.70	6.54	7.36	28.17
5	Himachal Pradesh	0.43	1.59				
6	Jammu & Kashmir	6.29	22.33			2.20	8.00
7	Delhi	0.63	2.66			0.07	0.34
Total		1153.00	4618.49	168.98	796.42	491.58	2191.43
Yield (Tons/Ha)			4.01		4.71		4.46

Table 2a: State-wise Acreage & Production Estimates for Non-Basmati long grain Rice during Kharif 2014

Area in '000 ha, Production ('000 tons)					
S. No.	State	Sharbati		Sugandha	
		Area	Production	Area	Production
1	Haryana	5.79	22.40		
2	Punjab	38.37	160.64		
3	Uttar Pradesh	141.28	527.25	152.40	593.91
4	Uttarakhand	11.72	44.95	0.33	1.41
5	Himachal Pradesh	0.22	0.90		
6	Jammu & Kashmir	10.99	38.43		
Total		208.37	794.57	152.73	595.32
Yield (Tons/Ha)			3.81		3.90



Project Background

Basmati rice is an important export commodity among the food grains exported from India. During the past few years, the Basmati export has been growing steadily, from 7.71 lakh metric tons in 2003 to an estimated 35.0 lakh metric tons in 2013-14 on robust demand from the traditional markets in West Asia. Iran alone has been importing >40% of the total Basmati export from India. Now China has taken a decision to import Indian Basmati rice which is likely to further increase the Indian Basmati demand.

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. The export of Basmati is on continuous rise year by year from India and has reached to >3.76 million by 2013-14. Realizing this potential, the Basmati Export Development Foundation (BEDF), New Delhi contracted M/s. Agri Net Solutions (A division of BPPL – a UPL Group Company) the work of field survey validation based 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 75 selected districts of Punjab, Haryana, Uttar Pradesh, Uttarakhand, Himachal Pradesh and Jammu & Kashmir, apart from Delhi, during Kharif 2011. During the year 2013, the number of districts has been increased to 81 in the selected seven states i.e. Punjab, Haryana, Uttar Pradesh, Uttarakhand, Himachal Pradesh, and Jammu & Kashmir apart from Delhi. This year the field survey based approach is 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 (HBC-19), Ranbir (Basmati – 370), Pusa-1509, Pusa Basmati-1, CSR – 30 and Pusa Basmati-1121 and non-notified, non-Basmati (Sharbati and Sugandha -5).

Scope of the current report

The present report being the fourth cycle of report for Kharif-2014 covers the results of field survey based Basmati acreage and production

estimates of Pusa Basmati-1121, Pusa Basmati-1, Pusa Basmati-1509, Sharbati & Sugandha.

Study Area Details

The study is confined to 81 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, Nawanshahar, 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), 30 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, 1 district of Himachal Pradesh and one of Delhi.

The map of the study districts is given as Fig.

1. The complete list of districts is given in Annexure I. The study districts form a part of the Himalayas and the Indo-Gangetic Plains.

Rainfall during Kharif 2014

The Basmati growing belt in all the states has witnessed deficient to scanty rainfall in the months of June, July & August this year leading to delayed transplanting and early earing of Pusa-1509. In Uttar Pradesh, the major western districts received scanty rainfall and faced electricity crunch. The new variety Pusa-1509 has occupied the area from other non-Basmati early maturing rice. The rainfall during 1 June to 30 Sept. 2014 in meteorological divisions under study area is given in table-1 and the rainfall in prominent districts in table-2.



Fig. 1: Map Showing the Districts of the Study Area





*Table 1: Rainfall in the monsoon season at important subdivisions
(1 June to 30 Sept. 2014)*

Table 1: Rainfall (mm) in the Meteorological Divisions in different states (1.6.2014 to 30.9.2014)			
Met. Division	1 June to 30 Sept. '14		Remarks
	Normal	Actual	
Punjab	491.9	243.9 (-50)	Deficient
Haryana, Delhi	466.3	203.2 (-56)	Deficient
Western UP	769.4	340.3 (-56)	Deficient
Himachal Pradesh	825.3	521.8 (-37)	Deficient
Uttarakhand	1229.1	897.6 (-27)	Deficient
Jammu & Kashmir	534.6	633.0 (18)	Normal



Ground Survey based Rice Acreage

HARYANA

In **Haryana**, the harvesting of Pusa-1509 & at full swing and Pusa Basmati-1 and Pusa Basmati-1121 are also being harvested. In general, the crop health is good and the weather conditions are favorable for good quality grain.

The district wise area figures under Basmati varieties has been given in Table-3. The production estimates of Pusa-1509, Pusa Basmati-1, Pusa Basmati-1121 and Sharbati are given in Table 3.

In comparison to 58% area of total rice acreage under Basmati in the year 2013, this year the area is estimated to increase up to 72%.

Crop Stage:

Pusa-1509 & Sharbati harvesting is continued along with Pusa-1121 harvesting in the state. However, due to rains in second week of October at maturity stage, the harvesting is bit delayed this year. CSR-30, Pusa-1401, Punjab Basmati-3 are approaching maturing stage.

Crop Health:

Crop health is good but some grain discoloration is there in a few areas where rains inundated in second week of Oct. due to 'Hudhud' effect. Some lodging was observed there in all the varieties.

PUNJAB

Crop Stage:

- (i) Sharbati and Pusa-1509 are completely harvested and marketed @ Rs. 1820 -2300 per quintal and Rs. 2500-3200 per quintal respectively.
- (ii) Pusa-1121 harvesting has started and will be at peak by the last week of Oct.

Disease / Pests:

The other insects like Leaf folder was noticed in some areas under Pusa 1121, but it was below ETL.

Rice Acreage:

Pusa-1121 is dominating among Evolved Basmati varieties and the area has increased due to stabilized prices last year. The district-wise acreage under total rice and variety wise Basmati rice is given in Table-4.

W. UTTAR PRADESH

Pusa-1121 harvesting has started. Almost 22-25% Pusa-1509 has been harvested. 12-15%



area under Sharbati too is harvested. Pusa-1509 and Sugandha -5 harvesting has reached at full swing in the state. Price of sharbati ranges between Rs. 1,500/- to 1,900/- per quintal and Pusa-1509 which started at Rs. 3,400/- per quintal has reached between Rs. 2,500/- and Rs. 2,800/- per quintal. Pusa Sugandha -5 ranged between Rs. 1,800/- and Rs. 2,300/- per quintal.

Bakanae has been observed severely affecting the crop of Pusa-1509 and Pusa-1121. This year, there is a likely loss of 2-3% in case of almost all the Basmati varieties due to unfilled grains and some crop lodging due to rains in

October second week. The district wise area under Basmati varieties is given in Table-5

UTTARAKHAND

The district wise area and Production under Basmati varieties is given in Table-6

JAMMU & KASHMIR

Pusa 1509 has been transplanted in Kathua and Samba districts. The district wise area under Basmati varieties is given in Table-7.

HIMACHAL PRADESH

Almost 30% area couldn't be transplanted.

The district-wise target for total rice in Himachal Pradesh during Kharif-2014 is given Table-8.

Table 3: District-wise Acreage & Production Estimates under Evolved Basmati Varieties & Long Grain Non-Basmati Varieties in Haryana during Kharif 2014

S. No.	District	Area in '000 ha, Production ('000 tons)							
		Pusa Basmati-1121		Pusa-1509		Pusa Basmati - 1		Sharbati	
		Area	Production	Area	Production	Area	Production	Area	Production
1	Ambala	11.18	47.93	8.47	36.29	0.21	0.98	0.75	3.29
2	Bhiwani	10.47	43.61	0.58	2.73	0.46	2.16		
3	Faridabad	6.04	25.45	0.15	0.71	1.01	4.78		
4	Gurgaon					0.50	2.25		
5	Fatehabad	21.37	99.48	9.40	46.06	19.01	102.44		
7	Hisar	24.77	109.24	7.03	32.70	1.01	4.68	1.10	3.77
8	Jajjhar	20.99	89.97					0.03	0.12
9	Jind	47.49	203.61	11.25	55.13	14.67	71.88	2.29	9.24
10	Kaithal	48.18	206.57	17.67	86.56	12.66	68.21	0.05	0.17
11	Karnal	52.37	250.20	27.22	136.69	1.89	9.17	0.59	1.79
12	Kurukshetra	18.81	85.26	18.74	91.83	0.70	3.26	0.18	0.58
13	Mewat	2.38	10.50	0.13	0.61				
14	Palwal	17.90	78.92	3.20	15.30	1.42	6.76		
15	Panipat	44.41	188.23	5.78	28.30	7.18	35.16		
16	Rewari	1.16	4.92			0.14	0.67		
17	Rohtak	19.19	79.93	2.49	10.07	0.37	1.75		
18	Sirsa	10.88	53.31	4.88	23.91	23.94	123.17		
19	Sonepat	50.86	199.37	11.78	53.39	1.75	8.15	0.51	2.12
20	Yamunanagar	2.45	10.56	6.30	29.33	9.54	46.04	0.31	1.31
Total		410.89	1787.05	135.04	649.58	96.43	491.51	5.79	22.40



Table 3a: Percentage change in acreage of Basmati & Non-Basmati varieties of rice in 2014 over 2013 in Haryana				
Area '000 ha				
S. No.	Variety	Acreage 2013	Acreage 2014	% change
1	Basmati			
	P-1121	485.21	410.88	-15.3
	PB-1	101.83	96.43	-5.3
	HBC-19	6.15	2.41	-60.8
	Pusa-1401	11.89	24.72	107.9
	Super	2.35	3.10	31.9
	Pusa-1509	9.86	135.04	1269.6
	CSR-30	95.27	146.13	53.4
	Punjab Basmati-3		8.94	
2	Non-Basmati Long grain			
	Sharbati	17.02	38.37	125.44
	Total Basmati	712.56	827.65	16.2

Table 4a: Percentage change in acreage of Basmati & Non-Basmati varieties of rice in 2014 over 2013 in Punjab				
Area '000 ha				
S. No.	Variety	Acreage 2013	Acreage 2014	% change
1	Basmati			
	P-1121	531.96	542.43	2.0
	PB-1	3.05	24.62	707.2
	Pusa-1509	35.65	247.12	593.2
	CSR-30	17.85	22.99	28.8
	Punjab Basmati-3		28.41	
2	Non-Basmati Long grain			
	Sharbati	39.1	38.37	-1.87
	Total Basmati	588.51	865.57	47.1



Table 4: District-wise Acreage & Production Estimates under Basmati Varieties & Sharbati (Non-Basmati) in Punjab during Kharif 2014

S. No.	District	Area in '000 ha, Production ('000 tons)							
		Pusa Basmati 1121		Pusa-1509		Pusa Basmati -1		Sharbati	
		Area	Production	Area	Production	Area	Production	Area	Production
1	Amritsar	76.90	284.85	43.15	193.85			5.81	24.69
2	Barnala	2.80	11.25	0.56	2.45	2.64	12.18		
3	Bhatinda	7.86	29.45	11.82	52.30	4.91	21.27		
4	Faridkot	20.90	83.60	1.10	5.35				
5	Fatehgarh Sahib	8.91	35.24	9.13	44.70				
6	Fazilka	50.40	211.78	21.60	104.00				
7	Firozepur	26.01	100.45	10.22	48.10	5.77	28.26		
8	Gurdaspur	49.94	180.54	24.37	107.75			16.11	68.40
9	Pathankot	7.81	27.65	3.19	12.30			12.64	50.75
10	Hoshiarpur	6.95	26.98	5.34	24.00				
11	Jalandhar	16.61	67.12	5.30	24.50				
12	Kapurthala	15.08	61.66	5.47	24.80				
13	Ludhiana	24.29	101.72	7.89	36.70				
14	Mansa	7.69	29.63	5.90	26.65	1.41	6.73		
15	Moga	25.42	100.84	9.16	43.50	1.72	8.30		
16	Mohali	2.79	10.88	0.78	3.45				
17	Muktsar	66.99	271.20	7.01	31.70				
18	Nawanshahar	5.06	19.20	1.77	7.90				
19	Patiala	16.83	69.97	13.06	59.50	4.94	21.71		
20	Roopnagar	4.05	15.34	2.10	9.50				
21	Sangrur	21.25	89.66	17.66	81.20	3.23	15.68		
22	Tarantaran	77.89	288.93	40.54	180.80			3.81	16.80
Total		542.43	2117.94	247.12	1125.00	24.62	114.13	38.37	160.64



Table 5: District-wise Acreage & Production Estimates under Evolved Basmati Varieties and long grained non-Basmati varieties in Uttar Pradesh during Kharif 2014

S. No.	District	Area in '000 ha, Production ('000 tons)											
		Pusa Basmati-1121		Pusa Basmati-1		Pusa-1509		Sharbati		Sugandha			
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	Agra	0.36	1.12	0.08	0.31	0.43	1.48	1.40	5.61	2.50	9.63		
2	Aligarh	18.35	65.52	4.47	17.92	6.99	26.35	1.40	5.61	15.80	61.94		
3	Auraiya	5.59	17.82	0.18	0.64	2.96	8.91	0.07	0.28	3.70	15.24		
4	Bagpat	1.47	6.02	1.14	4.89	1.08	4.27	44.40	170.05	1.03	4.19		
5	Bareilly	2.59	8.50	0.88	3.17	7.26	26.50	15.77	61.50	2.96	11.25		
6	Bijnore	3.24	10.29	3.16	12.17	4.00	14.20	14.92	54.46	2.29	9.05		
7	Budaun	3.09	9.21	1.30	4.21	5.96	18.30	1.31	5.04	7.82	28.93		
8	Bulandshahr	21.07	83.21	6.15	25.50	6.35	24.13	0.65	2.37	22.42	93.49		
9	Etah+Kasganj	5.46	18.38	0.57	2.05	4.75	14.96	0.01	0.04	11.51	44.31		
10	Farukhabad	0.37	1.13	0.04	0.12	0.95	3.03	0.11	0.40	3.05	11.74		
11	Firozabad	2.99	9.03	0.22	0.73	1.99	6.37	0.05	0.18	7.43	28.23		
12	Etawah	9.92	33.43	0.15	0.51	6.50	21.78	0.94	3.64	5.70	22.23		
13	Gautam Buddha Nagar	18.01	72.40	1.60	6.83	1.49	5.89	0.51	1.95	1.13	4.58		
14	Chaziabad+Hapur	5.69	22.68	1.10	4.73	3.45	13.80	0.32	1.17	8.20	33.62		
15	Hathras	4.44	14.59	0.82	3.06	2.88	9.42	0.25	0.95	9.25	36.54		
16	Mathura	28.87	108.25	1.18	4.64	4.64	17.40	0.30	1.15	7.28	29.12		
17	Mainpuri	19.77	68.19	0.24	0.88	11.73	40.12	8.32	32.03	8.32	32.03		
18	Meerut	3.26	12.78	3.27	13.55	2.88	11.49	0.49	1.76	4.19	17.26		
19	Moradabad	2.64	8.77	0.73	2.68	3.51	11.30	8.50	28.05	4.60	15.27		
20	J. P. Nagar	1.72	5.83	1.35	5.25	2.55	8.54	6.18	22.56	3.32	12.35		
21	Kannauj	1.40	4.54	0.11	0.38	1.30	4.03	0.80	3.08	4.43	16.04		
22	Muzaffarnagar+Shamli	4.69	17.21	5.10	20.63	2.88	10.89	2.59	9.38	2.30	9.13		
23	Pilibhit	2.02	6.53	0.16	0.61	2.23	7.96	21.56	80.20	0.44	1.56		
24	Rampur	1.20	4.04	0.29	1.08	4.91	16.94	7.11	26.80	0.74	2.63		
25	Saharanpur	12.82	40.38	10.45	42.01	6.90	26.57	6.47	23.62	4.71	17.52		
26	Shahjehanpur	3.18	10.13	0.76	2.72	3.96	13.94	7.06	24.78	1.37	4.45		
27	Sambhal	3.48	10.71	0.79	2.98	3.72	11.79	141.28	527.25	5.91	21.57		
Total		187.62	670.68	46.23	184.24	108.25	380.34	141.28	527.25	152.40	593.91		



Table 5a: Percentage change in acreage of Basmati & Non-Basmati varieties of rice in 2014 over 2013 in Uttar Pradesh				
Area '000 ha				
S. No.	Variety	Acreage 2013	Acreage 2014	% change
1	Basmati			
	P-1121	267.75	187.62	-29.93
	PB-1	55.85	46.23	-17.22
	Pusa-1509	0.00	108.25	
	Type-3	11.6	0.53	-95.47
	CSR-30	3.2	12.27	283.31
	HBC-19/Taraori	2.4	0.74	-69.08
2	Non-Basmati Long grain			
	Sharbati	132.4	141.28	6.71
	Sugandha	112.3	152.40	35.71
Total Basmati		340.80	355.63	4.35

Table 6a: Percentage change in acreage of Basmati & Non-Basmati varieties of rice in 2014 over 2013 in Uttarakhand				
Area '000 ha				
S. No.	Variety	Acreage 2013	Acreage 2014	% change
1	Basmati			
	P-1121	5.5	4.71	-14.4
	PB-1	2.3	1.70	-26.3
	Pusa-1509	0.0	7.36	
	Type-3	5.0	2.85	-43.1
	Basmati 370	3.0	3.29	9.7
	HBC-19/Taraori	2.0	0.63	-68.8
2	Long grain Non-Basmati			
	Sharbati	33.0	11.72	-64.48
	Sugandha	3.0	0.33	-89.00
Total Basmati		17.8	20.5	15.31

Table 7a: Percentage change in acreage of Basmati & Non-Basmati varieties of rice in 2014 over 2013 in Jammu & Kashmir				
Area '000 ha				
S. No.	Variety	Acreage 2013	Acreage 2014	% change
1	Basmati			
	Pusa-1121	2.95	6.29	113.3
	Pusa-1509	0.00	2.20	
	Basmati 370	34.30	59.96	74.8
2	Long grain Non-Basmati			
	Sharbati	1.6	10.99	586.88
Total Basmati		37.2	68.5	83.8



Table 6: District-wise Acreage & Production under Evolved Basmati Varieties & Non-Basmati Long grain Varieties in Uttarakhand during Kharif 2014

S. No.	District	Pusa Basmati-1121		Pusa Basmati-1		Pusa-1509		Sharbati		Sugandha	
		Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
1	Dehradun	0.3	1.0	0.0		0.09	0.4	2.06	8.0		
2	Haridwar	2.1	7.3	1.3	5.1	0.77	2.7	3.39	13.4	0.28	1.218
3	Nainital	0.2	0.6	0.07	0.28	0.40	1.6	0.01	0.0	0.02	0.082
4	Udham Singh Nagar	2.2	7.4	0.29	1.12	6.10	23.5	6.26	23.5	0.025	0.113
	Total	4.71	16.24	1.70	6.54	7.36	28.17	11.72	44.95	0.33	1.41

Table 7: District-wise acreage under total rice and Basmati rice in Jammu & Kashmir during Kharif 2014

S. No.	District	Pusa-1121		Pusa-1509		Sharbati	
		Area	Production	Area	Production	Area	Production
1	Jammu	1.58	5.37			10.2	35.6
2	Kathua	4.55	16.38	1.80	6.60	0.5	2.0
3	Samba	0.16	0.58	0.40	1.40	0.3	0.8
	Total	6.29	22.33	2.20	8.00	10.99	38.43

Table 8: District-wise acreage & Production Estimates under Pusa-1121 and Non-Basmati Sharbati in Himachal Pradesh during Kharif 2014

S. No.	District	Pusa-1121		Sharbati	
		Area	Production	Area	Production
1	Kangra	0.43	1.59	0.22	0.90
	Total	0.43	1.59	0.22	0.90