

GHG Emission Rice Crop (Basmati & Non-Basmati), Punjab 2024-25

S.No	Districts	Area Estimates (000 acres)			Avg.Sowing Days		Area Estimates (000 hect)			CH4 Emission (Tons / District)			CO2 Emission (Tons / District)		
		Basmati	Non-Basmati	Total	Basmati	Non-Basmati	Basmati	Non-Basmati	Total	Basmati	Non-Basmati	Total	Basmati	Non-Basmati	Total
1	Attock				0	0									
2	Rawalpindi				0	0									
3	Islamabad				0	0									
4	Jhelum	6.0		6.0	113	0	2.4		2.4	203.9		203.9	5709.5		5709.5
5	Chakwal				0	0									
6	Sargodha	146.0	5.0	151.0	103	112	59.1	2.0	61.1	5221.5	182.4	5403.9	146202.1	5107.6	151309.7
7	Khushab	42.0		42.0	105	0	17.0		17.0	1520.6		1520.6	42576.0		42576.0
8	Mianwali	8.0		8.0	101	0	3.2		3.2	305.4		305.4	8551.0		8551.0
9	Bhakkar	8.0	1.0	9.0	106	101	3.2	0.4	3.6	255.5	34.6	290.2	7155.1	970.0	8125.1
10	Faisalabad	97.0	16.0	113.0	112	117	39.3	6.5	45.7	3449.8	609.2	4059.0	96594.6	17057.1	113651.7
11	T.T.Singh	108.0	15.0	123.0	111	119	43.7	6.1	49.8	3903.4	617.7	4521.2	109296.0	17296.9	126593.0
12	Jhang	414.0	61.0	475.0	103	114	167.5	24.7	192.2	15073.1	2419.8	17492.9	422046.5	67755.0	489801.5
13	Chiniot	96.0	24.0	120.0	98	93	38.8	9.7	48.6	3114.3	792.2	3906.5	87199.5	22182.7	109382.2
14	Gujrat	81.0	7.0	88.0	126	98	32.8	2.8	35.6	3488.7	234.8	3723.5	97684.4	6573.4	104257.8
15	M.B.Din	193.0	57.0	250.0	106	110	78.1	23.1	101.2	7136.6	2151.4	9288.0	199826.0	60238.2	260064.2
16	Sialkot	416.0	72.0	488.0	108	110	168.3	29.1	197.5	15495.8	2766.6	18262.5	433883.7	77466.0	511349.8
17	Narowal	205.0	1.0	206.0	112	0	83.0	0.4	83.4	7858.7	32.7	7891.4	220042.8	915.0	220957.8
18	Gujranwala	187.0	431.0	618.0	108	109	75.7	174.4	250.1	6826.3	16205.6	23031.8	191135.7	453755.8	644891.5
19	Hafizabad	380.0	10.0	390.0	104	111	153.8	4.0	157.8	13540.7	372.8	13913.5	379138.8	10439.4	389578.2
20	Sheikhupura	570.0	17.0	587.0	104	108	230.7	6.9	237.5	19860.7	625.1	20485.8	556099.9	17501.6	573601.5
21	Nankana Sb	270.0	15.0	285.0	107	116	109.3	6.1	115.3	9490.5	597.4	10087.9	265734.0	16727.6	282461.6
22	Lahore	51.0	20.0	71.0	99	109	20.6	8.1	28.7	1721.0	712.0	2433.0	48188.0	19934.8	68122.8
23	Kasur	74.0	207.0	281.0	111	114	29.9	83.8	113.7	2786.9	7886.6	10673.5	78034.2	220823.9	298858.1
24	Okara	306.0	111.0	417.0	93	112	123.8	44.9	168.8	9569.8	4027.9	13597.7	267953.8	112782.4	380736.1
25	Sahiwal	131.0	21.0	152.0	94	120	53.0	8.5	61.5	4227.7	866.8	5094.5	118376.0	24271.0	142646.9
26	Pakpattan	257.0	47.0	304.0	100	120	104.0	19.0	123.0	8932.3	1940.0	10872.4	250105.7	54320.7	304426.4
27	Multan	71.0	30.0	101.0	107	120	28.7	12.1	40.9	2354.0	1238.3	3592.3	65912.0	34672.8	100584.8
28	Lodhran	35.0	18.0	53.0	106	120	14.2	7.3	21.4	1287.7	743.0	2030.7	36056.2	20803.7	56859.8
29	Khanewal	157.0	31.0	188.0	107	120	63.5	12.5	76.1	5649.5	1281.8	6931.3	158185.4	35890.8	194076.2
30	Vehari	111.0	48.0	159.0	100	114	44.9	19.4	64.3	3911.2	1883.3	5794.5	109514.1	52732.1	162246.2
31	Muzaffargarh	65.0	34.0	99.0	111	121	26.3	13.8	40.1	2424.2	1424.2	3848.4	67876.6	39878.6	107755.2
32	Layyah	4.0		4.0	90	0	1.6		1.6	123.8		123.8	3467.3		3467.3
33	D.G. Khan	18.0	172.0	190.0	110	105	7.3	69.6	76.9	681.1	6348.8	7029.8	19070.0	177765.3	196835.4
34	Rajan Pur	4.0	91.0	95.0	101	110	1.6	36.8	38.5	147.2	3398.1	3545.3	4122.6	95146.2	99268.8
35	Bahawalpur	57.0	12.0	69.0	109	116	23.1	4.9	27.9	2105.5	482.1	2587.6	58953.2	13498.6	72451.8
36	Bahawalnagar	301.0	77.0	378.0	121	119	121.8	31.2	153.0	11566.1	3137.7	14703.8	323851.7	87854.3	411706.0
37	R.Y. Khan	145.0	42.0	187.0	106	119	58.7	17.0	75.7	5265.3	1723.2	6988.6	147428.5	48250.9	195679.4

Source: Crop Reporting Service, Agriculture Deptt, Punjab

Technically Assisted by Asian Development Bank (ADB)

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	Area Estimates (000 hect)		
	Basmati	Non-Basmati	Total
Grand Total	2,029	685	2,714

Emission from Rice Crop Punjab 2023-24		CH4 (Methane) Emission			CO2 (Carbon) Emission		
		Basmati	Non-Basmati	Total	Basmati	Non-Basmati	Total
Grand Total	(Tons)	179,499	64,736	244,235	5,025,971	1,812,612	6,838,583
	(Million Tons)	0.179	0.065	0.244	5.026	1.813	6.839
	(Kg / acre)	35.8	38.2	36.4	1,002.4	1,070.6	1,019.6

Source: Crop Reporting Service, Agriculture Deptt, Punjab

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