

GHG Emission Wheat Crop, Punjab 2023-24

S.No	Districts	Area Estimates (000 acres)			Avg.Urea Use (Kg/acre)		Avg.DAP Use (Kgacre)		Nitrogen Applied (Kg/acre)			Nitrogen Applied (Tons / District)			N2O Emission from Fertilizer (Tons / District)			CO2 Emission (Tons / District)		
		Irrigated	Un-Irrigated	Total	Irrigated	Un-Irrigated	Irrigated	Un-Irrigated	Irrigated	Un-Irrigated	Total	Irrigated	Un-Irrigated	Total	Irrigated	Un-Irrigated	Total	Irrigated	Un-Irrigated	Total
1	Attock	18.0	462.0	480.0	50		50	44	41.0	40.0	81.0	392.0	3217.3	3609.3	3.9	32.2	36.1	1632.4	13397.8	15030.2
2	Rawalpindi	11.0	415.0	426.0	27	24	21	20	32.4	104.2	136.6	153.8	6855.3	7009.1	1.5	68.6	70.1	640.6	28547.3	29188.0
3	Islamabad		49.0	49.0	0	0	0	20		3.6	3.6		176.4	176.4		1.8	1.8		734.6	734.6
4	Jhelum	36.0	182.0	218.0	55	17	30	20	60.8	34.4	95.2	1283.3	2015.4	3298.7	12.8	20.2	33.0	5344.1	8392.5	13736.6
5	Chakwal	21.0	382.0	403.0		19	38	28	6.8	37.5	44.3	102.6	2785.6	2888.2	1.0	27.9	28.9	427.3	11600.2	12027.5
6	Sargodha	550.0	3.0	553.0	61		30		232.3		232.3	18240.2		18240.2	182.4		182.4	75957.4		75957.4
7	Khushab	277.0	38.0	315.0	76	27	40		168.4	24.4	192.7	12804.1	414.9	13219.0	128.0	4.1	132.2	53319.8	1727.8	55047.6
8	Mianwali	460.0	46.0	506.0	92	100	49	50	153.1	55.0	208.1	22893.3		22893.3	228.9		228.9	95334.4		95334.4
9	Bhakkar	464.0	4.0	468.0	82		56		190.4		190.4	21833.9		21833.9	218.3		218.3	90922.6		90922.6
10	Faisalabad	653.0	11.0	664.0	81		39		222.5		222.5	29426.8		29426.8	294.3		294.3	122541.8		122541.8
11	T.T.Singh	353.0		353.0	84		45		187.1		187.1	16415.7		16415.7	164.2		164.2	68359.7		68359.7
12	Jhang	720.0		720.0	79		48		179.9		179.9	34047.7		34047.7	340.5		340.5	141784.4		141784.4
13	Chiniot	269.0		269.0	76		53		133.5		133.5	11911.5		11911.5	119.1		119.1	49602.8		49602.8
14	Gujrat	281.0	117.0	398.0	43	29	34	17	51.6	48.9	100.5	7195.3	2071.0	9266.3	72.0	20.7	92.7	29963.2	8624.3	38587.5
15	M.B.Din	349.0		349.0	52		39		92.2		92.2	10937.2		10937.2	109.4		109.4	45545.7		45545.7
16	Sialkot	492.0		492.0	65		37		145.3		145.3	17933.0		17933.0	179.3		179.3	74678.0		74678.0
17	Narowal	301.0	15.0	316.0	61	50	46	38	108.7	59.7	168.4	10745.9	447.6	11193.5	107.5	4.5	111.9	44748.8	1863.9	46612.8
18	Gujranwala	596.0		596.0	86		43		189.8		189.8	28154.5		28154.5	281.5		281.5	117243.4		117243.4
19	Hafizabad	389.0		389.0	103		38		108.0		108.0	20975.0		20975.0	209.7		209.7	87345.7		87345.7
20	Sheikhupura	588.0		588.0	92		46		251.9		251.9	29630.1		29630.1	296.3		296.3	123388.0		123388.0
21	Nankana Sb	340.0		340.0	106		26		159.7		159.7	19028.3		19028.3	190.3		190.3	79239.2		79239.2
22	Lahore	120.0		120.0	71		36		155.8		155.8	4802.5		4802.5	48.0		48.0	19998.9		19998.9
23	Kasur	361.0		361.0	78		48		177.7		177.7	16221.2		16221.2	162.2		162.2	67549.7		67549.7
24	Okara	386.0		386.0	71		49		124.7		124.7	17566.8		17566.8	175.7		175.7	73153.3		73153.3
25	Sahiwal	324.0		324.0	73		45		83.2		83.2	13637.3		13637.3	136.4		136.4	56789.5		56789.5
26	Pakpattan	263.0		263.0	101		45		108.5		108.5	14293.3		14293.3	142.9		142.9	59521.2		59521.2
27	Multan	463.0		463.0	81		45		182.1		182.1	21330.1		21330.1	213.3		213.3	88824.5		88824.5
28	Lodhran	419.0		419.0	97		51		161.9		161.9	22588.8		22588.8	225.9		225.9	94066.2		94066.2
29	Khanewal	533.0		533.0	90		38		192.0		192.0	25669.7		25669.7	256.7		256.7	106896.1		106896.1
30	Vehari	510.0		510.0	95		52		158.7		158.7	27014.7		27014.7	270.1		270.1	112496.8		112496.8
31	Muzaffargarh	626.0		626.0	91		48		202.1		202.1	31376.8		31376.8	313.8		313.8	130661.8		130661.8
32	Layyah	678.0		678.0	85		43		140.5		140.5	31494.9		31494.9	314.9		314.9	131153.8		131153.8
33	D.G. Khan	613.0		613.0	91		49		152.3		152.3	31306.2		31306.2	313.1		313.1	130368.1		130368.1
34	Rajan Pur	505.0	4.0	509.0	104		53		172.6		172.6	28864.1		28864.1	288.6		288.6	120198.4		120198.4
35	Bahawalpur	791.0		791.0	84		48		285.0		285.0	38403.4		38403.4	384.0		384.0	159922.8		159922.8
36	Bahawalnagar	1109.0	3.0	1112.0	88		49		245.9		245.9	55878.4		55878.4	558.8		558.8	232693.7		232693.7
37	R.Y. Khan	857.0		857.0	110		50		237.6		237.6	50379.0		50379.0	503.8		503.8	209792.6		209792.6
Source: Crop Reporting Service, Agriculture Deptt, Punjab Technically Assisted by Asian Development Bank (ADB)															Grand Total	(Tons)		3,102,107	74,889	3,176,996
																(Million Tons)		3.102	0.075	3.177
																(Kg / acre)		203.21	44.56	187.48

SUMMARY

Emission From Wheat Crop Punjab 2023-24		CO2 (Carbon) Emission (Tons)		
		Irrigated	Un-Irrigated	Total
Grand Total	(Tons)	3,102,107	74,889	3,176,996
	(Million Tons)	3.102	0.075	3.177
	(Kg / acre)	203.21	44.56	187.48