	Mean	Min	Max	SD
Dependent variable				
Share of crop sown area not affected as not enough surface water	0.74	0.00	1.00	0.33
Climate variables				
Average annual temperature (°)	16.69	2.67	22.34	3.51
Average annual temperature squared	290.82	7.11	498.88	111.87
Annual total precipitation (mm)	1341.07	399.56	2126.33	505.07
Annual total precipitation squared	2 053 737	159 646	4 521 271	1 294 184
Average annual temperature* Annual total precipitation	23 851.43	1065.569	47 078.66	12 216.82
Spring temperature (°)	16.62	4.02	22.24	3.13
Spring temperature squared	286.10	16.18	494.75	102.12
Summer temperature (°)	26.03	17.45	28.13	2.50
Summer temperature squared	683.88	304.33	791.22	117.87
Fall temperature (°)	17.79	2.88	23.77	3.92
Fall temperature squared	331.77	8.32	565.11	133.29
Winter temperature (°)	6.31	−13.68	15.50	5.88
Winter temperature squared	74.29	0.21	240.31	82.35
Spring precipitation (mm)	393.60	52.70	697.08	231.35
Spring precipitation squared	208 375.80	2777.63	485 920.50	175 342.10
Summer precipitation (mm)	604.48	265.38	1040.02	180.74
Summer precipitation squared	398 020.80	70 427.92	1 081 648.00	245 034.80
Fall precipitation (mm)	211.89	51.88	386.59	70.50
Fall precipitation squared	49 862.01	2691.54	149 453.10	31 638.58
Winter precipitation (mm)	131.10	5.69	257.43	86.38
Winter precipitation squared	24 637.92	32.38	66 272.62	24 681.82
Spring temperature* Spring precipitation	6983.04	164.70	13 238.57	4488.35
Summer temperature* Summer precipitation	15 977.25	4259.04	29 056.33	5522.83
Fall temperature* Fall precipitation	4015.55	128.19	9198.73	1994.22
Winter temperature* Winter precipitation	1012.23	−162.22	1977.91	779.29
Irrigation variables				
Whether irrigating only by one kind of water sources (1 = yes; 0 = no)	0.30	0.00	1.00	0.46
Whether irrigating by two kinds of water sources (1 = yes; no)	0.52	0.00	1.00	0.50
Whether irrigating by more than two kinds of water sources (1 = yes; no)	0.17	0.00	1.00	0.38
Whether irrigating only by large reservoir (1 = yes; 0 = no)	0.01	0.00	1.00	0.10
Whether irrigating only by middle reservoir (1 = yes; 0 = no)	0.03	0.00	1.00	0.16
Whether irrigating only by small reservoir (1 = yes; 0 = no)	0.04	0.00	1.00	0.20
Whether irrigating only by tubewell (1 = yes; 0 = no)	0.0013	0.00	1.00	0.04
Whether irrigating only by pool (1 = yes; 0 = no)	0.04	0.00	1.00	0.20
Whether irrigating only by river (1 = yes; 0 = no)	0.04	0.00	1.00	0.20
Whether irrigating only by pump (1 = yes; 0 = no)	0.13	0.00	1.00	0.34
Village characteristics				
Whether the soil type is sand (1 = yes; 0 = no)	0.30	0.00	1.00	0.46
Whether the soil type is clay (1 = yes; 0 = no)	0.42	0.00	1.00	0.49
Landform (1 = Plain; 0 = Mountain)	0.28	0.00	1.00	0.45
Arable area per person (ha)	0.09	0.00	0.46	0.06
Density of population	8.24	0.50	110.00	9.13
Province dummy				
Hebei	0.03	0.00	1.00	0.16
Henan	0.04	0.00	1.00	0.20
Shandong	0.08	0.00	1.00	0.28
Jilin	0.02	0.00	1.00	0.14
Anhui	0.07	0.00	1.00	0.26
Jiangsu	0.10	0.00	1.00	0.29
Jiangxi	0.35	0.00	1.00	0.48
Guangdong	0.21	0.00	1.00	0.41
Yunnan	0.09	0.00	1.00	0.29