Table S1. Soil available S, Bray's % yield and predictability values (R^2) of wheat plant.

Sample ID	Sulphur content in wheat plant (%)	Bray's % yield	Mean Bray's % yield in population I	Corrected sum of squares of deviation from mean of population CSS-I	Mean Bray's % yield in population -II	Corrected sum of squares of deviation from mean of population CSS-II	R^2= TSS - (CSSI-CSSII) /TSS
S1	0.11	78	80.5	12.5	89	134.4	0.989899
S2	0.12	83	82.0	26.0	90	113.5	0.990409
S3	0.12	85	83.3	44.8	90	105.8	0.989655
S4	0.14	87	83.8	50.8	90	89.7	0.990340
S5	0.13	86	83.8	50.8	91	49.4	0.993108
S6	0.13	84	84.6	73.7	91	46.8	0.991718
S7	0.14	89	85.0	84.0	91	38.9	0.991551
S8	**0.14**	88	85.1	84.9	91	12.5	**0.993302**
S9	0.17	86	85.6	106.4	92	10.5	0.991964
S10	0.16	90	86.0	124.0	92	8.0	0.990926
S11	0.15	90	86.5	157.0	92	7.9	0.988666
S12	0.17	92	86.8	168.3	92	4.9	0.988097
S13	0.15	90	87.1	184.9	92	4.0	0.987013
S14	0.15	91	87.5	217.7	92	2.8	0.984840
S15	0.16	93	87.7	229.4	92	2.0	0.984091
S16	0.18	91	87.9	239.8	92	0.7	0.983473
S17	0.15	91	88.1	255.8	93	0.5	0.982383
S18	0.16	92	88.3	270.1	93	134.4	0.989899
S19	0.17	92	88.6				
S20	0.17	93					
				Sum of squares	157113		
				Correction Factor	142565.5		
				Total Sum of Squares	14547.5		

Note: CSS, corrected sum of squares

Table S2. Soil available S, Bray's % yield and predictability values (R^2) of mustard plant.

Sample ID	Sulphur content in mustard plant (%)	Bray's % yield	Mean Bray's % yield in population I	Corrected sum of squares of deviation from mean of population CSS-I	Mean Bray's % yield in population II	Corrected sum of squares of deviation from mean of population CSS-II	R^2= TSS - (CSSI-CSSII) /TSS
S1	0.26	76	78	8	88	321.8	0.98
S2	0.28	80	78.3	8.7	88	238.1	0.98
S3	0.29	79	79	14	89	179.8	0.98
S4	0.30	81	79.8	26.8	89	142.9	0.98
S5	0.34	83	80.5	41.5	90	113.2	0.98
S6	0.34	84	81.3	67.4	90	98.9	0.98
S7	0.35	86	81.8	79.5	90	72.7	0.98
S8	**0.35**	85	82.1	88.9	91	41.6	0.99
S9	0.34	85	82.6	110.4	91	25.6	0.99
S10	0.35	87	83.1	136.9	92	14.2	0.98
S11	0.38	88	83.6	168.9	92	6.9	0.98
S12	0.38	89	84.1	206.9	92	2.9	0.98
S13	0.37	90	84.6	251.4	92	1.3	0.98
S14	0.41	91	85.1	302.9	92	1.2	0.97
S15	0.39	92	85.5	348	93	1	0.97
S16	0.41	92	85.9	387.8	93	0.7	0.97
S17	0.40	92	86.3	435.6	93	0.5	0.96
S18	0.39	93	86.6	466.6	93		
S19	0.38	92	86.9				
S20	0.37	93					
				Sum of squares	157113		
				Correction Factor	142565.5		
				Total Sum of Squares	14547.5		

Note: CSS, corrected sum of squares.

Table S3. Soil available S, Bray's per cent yield and predictability values (R^2) of soil used for wheat cultivation.

Sample ID	Soil available sulphur (mg/kg)	Bray's % yield	Mean Bray's % yield in population I	Corrected sum of squares of deviation from mean of population CSS-I	Mean Bray's % yield in population –II	Corrected sum of squares of deviation from mean of population CSS-II	R^2= TSS - (CSSI-CSSII) /TSS
S1	6.84	78	80.5	12.5	89	134.4	0.989899
S2	8.16	83	82.0	26.0	90	113.5	0.990409
S3	8.82	85	83.3	44.8	90	105.8	0.989655
S4	9.33	87	83.8	50.8	90	89.7	0.990340
S5	9.87	86	83.8	50.8	91	49.4	0.993108
S6	10.31	84	84.6	73.7	91	46.8	0.991718
S7	10.82	89	85.0	84.0	91	38.9	0.991551
S8	**11.45**	88	85.1	84.9	91	12.5	**0.993302**
S9	12.19	86	85.6	106.4	92	10.5	0.991964
S10	13.06	90	86.2	143.6	91	10.2	0.989424
S11	15.14	92	86.5	157.0	92	7.8	0.988666
S12	15.30	90	86.8	168.3	92	4.9	0.988097
S13	16.00	90	87.1	184.9	92	4.0	0.987013
S14	22.08	91	87.5	217.7	92	2.8	0.984840
S15	22.87	93	87.7	229.4	92	2.0	0.984091
S16	24.25	91	87.9	239.8	92	0.7	0.983473
S17	31.72	91	88.1	255.8	93	0.5	0.982383
S18	36.19	92	88.3	270.1	93		
S19	36.94	92	88.6				
S20	38.43	93					
				Sum of squares	157113		
				Correction Factor	142565.5		
				Total Sum of Squares	14547.50		

Note: CSS, corrected sum of squares.

Table S4. Soil available S, Bray's percent yield and predictability values (R^2) of soil used for mustard cultivation.

Sample ID	Soil available sulphur (mg/kg)	Bray's % Yield	Mean Bray's % yield in population I	Corrected sum of squares of deviation from mean of population CSS-I	Mean Bray's % yield in population -II	Corrected sum of squares of deviation from mean of population CSS-II	R^2= TSS - (CSSI-CSSII) /TSS
S1	6.84	76	78.0	8.0	88	321.8	0.976835
S2	8.16	80	78.3	8.7	88	238.1	0.982665
S3	8.82	79	79.0	14.0	89	179.8	0.986390
S4	9.33	81	79.8	26.8	89	142.9	0.988077
S5	9.87	83	80.5	41.5	90	113.2	0.989132
S6	10.31	84	81.3	67.4	90	98.9	0.988315
S7	10.82	86	81.8	79.5	90	72.7	0.989311
S8	**11.45**	85	82.1	88.9	91	41.6	**0.990831**
S9	12.19	85	82.6	110.4	91	25.6	0.990447
S10	13.06	87	83.1	136.9	92	14.2	0.989384
S11	15.14	88	83.6	168.9	92	6.9	0.987652
S12	15.30	89	84.1	206.9	92	2.9	0.985264
S13	16.00	90	84.6	251.4	92	1.3	0.982245
S14	22.08	91	85.1	302.9	92	1.2	0.978636
S15	22.87	92	85.5	348.0	93	1.0	0.975485
S16	24.25	92	85.9	387.8	93	0.7	0.972715
S17	31.72	92	86.3	435.6	93	0.5	0.969366
S18	36.19	93	86.6	466.6	93		
S19	36.94	92	86.9				
S20	38.43	93					
				Sum of squares	151538		
				Correction Factor	137302		
				Total Sum of Squares	14236		

Note: CSS, corrected sum of squares.