

Table 3-1. Correlation coefficient among 19 traits in *Chenopodium quinoa*

	Yield kg fed ⁻¹	Plant height (cm)	Main inflorescence length (cm)	Number of leaves/plant	Shoot fresh weight (g plant ⁻¹)	Shoot dry weight (g plant ⁻¹)	Stem diameter (mm)	Leaves fresh weight (g plant ⁻¹)
Yield kg fed ⁻¹		0.92 ^{**}	0.42	0.90 [*]	0.95 ^{**}	0.93 ^{**}	0.92 ^{**}	0.90 [*]
Plant height (cm)			0.68	0.93 ^{**}	0.97 ^{**}	0.98 ^{**}	0.86 [*]	0.95 ^{**}
Main inflorescence length (cm)				0.46	0.52	0.58	0.30	0.47
Number of leaves/plant					0.94 ^{**}	0.92 ^{**}	0.84 [*]	0.98 ^{**}
Shoot fresh weight (g plant ⁻¹)						0.99 ^{**}	0.94 ^{**}	0.97 ^{**}
Shoot dry weight (g plant ⁻¹)							0.94 ^{**}	0.95 ^{**}
Stem diameter (mm)								0.88 [*]
Leaves fresh weight (g plant ⁻¹)								
Leaves dry weight (g plant ⁻¹)								
Main inflorescence weight (g plant ⁻¹)								
Na Concentration in leaves (mg/kg)								
1000 seed weight (g)								
Seed percentage per panicle (%)								
Ash (%)								
Crude Proteins (%)								
Fat (%)								
Crude Fiber (%)								
Carbohydrate (%)								
Na mg kg ⁻¹								

$P \geq 0.05$, $P^{**} \geq 0.01$

Table 3-2. Correlation coefficient among 19 traits in *Chenopodium quinoa*

	Leaves dry weight (g plant ⁻¹)	Main inflorescence weight (g plant ⁻¹)	Na Concentration in leaves (mg/kg)	1000 seed weight (g)	Seed percentage per panicle (%)	Ash (%)	Crude Proteins (%)	Fat (%)	Crude Fiber (%)	Carbohydrate (%)	Na mg kg ⁻¹
Yield kg fed ⁻¹	0.90 [*]	0.81 [*]	0.96 ^{**}	-0.92 ^{**}	0.81 [*]	0.42	0.87 [*]	0.51	0.88 [*]	-0.87 [*]	-0.74
Plant height (cm)	0.94 ^{**}	0.80	0.93 ^{**}	-0.87	0.73	0.55	0.83 [*]	0.61	0.73	-0.88 [*]	-0.70
Main inflorescence length (cm)	0.46	0.26	0.38	-0.38	0.13	0.13	0.21	0.60	0.05	-0.45	-0.26
Number of leaves/plant	0.98 ^{**}	0.87 [*]	0.97 ^{**}	-0.96	0.70	0.72	0.95 ^{**}	0.44	0.79	-0.87 [*]	-0.75
Shoot fresh weight (g plant ⁻¹)	0.97 ^{**}	0.88 [*]	0.98 ^{**}	-0.89	0.85 [*]	0.59	0.90 [*]	0.54	0.85 [*]	-0.89 [*]	-0.72
Shoot dry weight (g plant ⁻¹)	0.95 ^{**}	0.86 [*]	0.95 ^{**}	-0.84	0.84 [*]	0.56	0.86 [*]	0.55	0.80	-0.87 [*]	-0.68
Stem diameter (mm)	0.88 [*]	0.91 [*]	0.92 ^{**}	-0.77	0.95 ^{**}	0.50	0.86 [*]	0.37	0.89 [*]	-0.78	-0.60
Leaves fresh weight (g plant ⁻¹)	0.99 ^{**}	0.89 [*]	0.97 ^{**}	-0.92	0.78	0.75	0.958 ^{**}	0.47	0.81 [*]	-0.88 [*]	-0.74
Leaves dry weight (g plant ⁻¹)		0.88 [*]	0.97 ^{**}	-0.92	0.79	0.75	0.96 ^{**}	0.49	0.82 [*]	-0.89 [*]	-0.76
Main inflorescence weight (g plant ⁻¹)			0.88 [*]	-0.75	0.80	0.64	0.88 [*]	0.09	0.74	-0.63	-0.43
Na Concentration in leaves (mg/kg)				-0.94	0.48 [*]	0.65	0.96 ^{**}	0.49	0.90 [*]	-0.91 [*]	-0.79
1000 seed weight (g)					-0.65	-0.62	-0.92 ^{**}	-0.50	-0.82 [*]	0.90 [*]	0.84 [*]
Seed percentage per panicle (%)						0.48	0.79	0.40	0.91 ^{**}	-0.75	-0.61
Ash (%)							0.79	0.22	0.53	-0.60	-0.57
Crude Proteins (%)								0.36	0.88 [*]	-0.85 [*]	-0.77
Fat (%)									0.47	-0.78	-0.78
Crude Fiber (%)										-0.86	-0.81 [*]
Carbohydrate (%)											0.94 ^{**}
Na mg kg ⁻¹											

$P^* \geq 0.05$, $P^{**} \geq 0.01$