

Table 2: Mean performances of the sex selected genotypes relative to their original population of lettuce "Balady" cultivar.

Characters genotypes	Core length (cm)	Core diameter (cm)	Head length (cm)	Head diameter (cm)	Head weight (g)	Maturity	Non-wrapper leaves No.	Firmness	Bitterness	Leaves dry matter (%)
S ₂₋₁	3.43 c	3.60 a	33.13 a	17.97 b	953.33 b	55.00 c	2.00 d	2.50 de	1.00 c	7.27 b
S ₂₋₂	3.37 cd	3.00 b	30.43 b	17.57 bc	903.33 c	60.00 b	4.00 b	2.00 e	1.50 bc	6.53 cd
S ₂₋₃	2.23 e	3.00 b	28.20 c	17.00 c	850.00 d	55.00 c	2.00 d	3.00 b-d	1.00 c	7.90 a
S ₂₋₄	2.00 e	3.00 b	32.17 a	19.43 a	1006.66 a	58.33 bc	3.66 c	2.83 cd	1.10 bc	6.93 bc
S ₂₋₅	3.00 d	3.00 b	29.66 b	16.00 c	1000.00 a	60.00 b	4.00 b	3.23 bc	1.20 bc	6.50 cd
C ₂	4.50 b	2.83 bc	28.20 c	16.50 c	850.00 d	60.00 b	4.20 b	3.50 ab	1.40 bc	6.00 d
C ₀	6.00 a	2.50 c	25.70 d	14.00 e	556.66 e	68.33 a	5.17 a	4.00 a	2.23 a	6.00 d

Values having the same alphabetical letter (s) within each column, don't significantly differ from one another, using Duncan's multiple range test at 0.05 level of significance.

Table 4: Phenotypic correlation coefficients among different pairs of the studied characters in lettuce cultivar Balady.

Characters	Non- wrapper leaves No.	Core Length (cm)	Core diameter (cm)	Head length (cm)	Head diameter (cm)	Head weight (g)	Leaves dry matter (%)	Bitterness	Firmness
Maturity	0.211	0.691**	0.412	0.153	-0.154	-0.378	0.223	0.714**	0.600**
Non-wrapper leaves No.		0.677**	0.352	-0.062	0.328	-0.062	0.091	0.358	0.655
core length			0.399	-0.299	-0.251	-0.636**	-0.082	0.759**	0.855**
core diameter				0.267	0.268	0.056	0.661**	0.443*	0.240
Head length					0.426	0.762**	0.601**	-0.304	-0.295
Head diameter						0.622**	0.507*	-0.181	-0.060
Head weight							0.499*	-0.581**	-0.488*
Leaves dry matter								0.008	-0.146
Bitterness									0.699**

* Significant at 0.05 level.

** Highly significant at 0.01 level.

