

Table S1. Nitrogen content in the faba bean seeds (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	48.6a	51.6a	38.5a	46.2a
	Granit	47.6a	47.5b	37.1a	44.1a
Sowing density	45	47.8a	49.4a	37.8a	45.0a
	60	48.3a	49.5a	37.9a	45.2a
	75	48.3a	49.8a	37.8a	45.3a
Average for interaction					
Bobas	45	48.6a	51.8a	38.2a	46.2a
	60	49.0a	52.8a	38.7a	46.8a
Granit	75	48.3a	50.1a	38.5a	45.6a
	45	47.0a	46.9a	37.3a	43.7a
	60	47.5a	46.2a	37.1a	43.6a
	75	48.2a	49.4a	37.0a	44.9a
Average for years					
2013				48.1a	
2014				49.5a	
2015				37.8b	
Average		48.1	49.6	37.8	45.2

Different letters indicate a significant difference (Tukey's multiple range test).

Table S2. Nitrogen content in the faba bean straw (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	9.4a	12.6b	5.6b	9.2a
	Granit	8.7a	13.6a	6.1a	9.5a
Sowing density	45	9.3a	13.1a	6.0a	9.5a
	60	8.7a	13.1a	5.7a	9.2a
	75	9.1a	13.1a	5.9a	9.4a
Average for interaction					
Bobas	45	9.4a	12.2a	5.6a	9.0a
	60	9.2a	12.9a	5.7a	9.3a
Granit	75	9.5a	12.6a	5.5a	9.2a
	45	9.2a	14.0a	6.4a	9.9a
	60	8.2a	13.3a	5.7a	9.1a
	75	8.7a	13.6a	6.2a	9.5a
Average for years					
2013				9.0b	
2014				13.1a	
2015				5.9c	
Average		9.1	13.1	5.9	9.4

Different letters indicate a significant difference (Tukey's multiple range test).

Table S3. Phosphorus content in the faba bean seeds (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	5.57a	5.33a	3.33a	4.74a
	Granit	5.97a	5.33a	3.31a	4.87a
Sowing density	45	5.68a	5.35a	3.38a	4.80a
	60	5.68a	5.40a	3.30a	4.79a
Average for interaction					
Bobas	45	5.44ab	5.30a	3.34a	4.69a
	60	5.12b	5.40a	3.30a	4.61a
Granit	75	6.16ab	5.30a	3.34a	4.93a
	45	5.92ab	5.40a	3.41a	4.91a
Bobas	60	6.24a	5.40a	3.29a	4.98a
	75	5.76ab	5.20a	3.24a	4.73a
Average for years					
2013				5.77a	
2014				5.33b	
2015				3.32c	
Average		5.77	5.33	3.32	4.81

Different letters indicate a significant difference (Tukey's multiple range test).

Table S4. Phosphorus content in the faba bean straw (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	1.45a	1.63a	0.47a	1.18a
	Granit	1.46a	1.66a	0.48a	1.20a
Sowing density	45	1.49a	1.66a	0.50b	1.22a
	60	1.49a	1.62a	0.45a	1.18a
Average for interaction					
Bobas	75	1.38a	1.65a	0.50a	1.18a
	45	1.40a	1.55a	0.49a	1.15a
Granit	60	1.52a	1.65a	0.45a	1.21a
	75	1.42a	1.68a	0.48a	1.19a
Average for years					
2013				1.45b	
2014				1.64a	
2015				0.48c	
Average		1.46	1.65	0.48	1.19

Different letters indicate a significant difference (Tukey's multiple range test).

Table S5. Potassium content in the faba bean seeds (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	11.4a	10.7a	10.4a	10.8a
	Granit	11.7a	10.8a	10.4a	11.0a
Sowing density	45	11.7a	11.0a	10.4a	11.0a
	60	11.3a	10.7a	10.5a	10.8a
	75	11.7a	10.7a	10.3a	10.9a
Average for interaction					
Bobas	45	11.5a	10.7a	10.4a	10.9a
	60	11.0a	10.7a	10.3a	10.7a
Granit	75	11.7a	10.7a	10.4a	10.9a
	45	11.8a	11.2a	10.3a	11.1a
	60	11.5a	10.7a	10.7a	11.0a
	75	11.7a	10.6a	10.2a	10.8a
Average for years					
2013		11.5a			
2014		10.8b			
2015		10.4b			
Average		11.6	10.8	10.4	10.9

Different letters indicate a significant difference (Tukey's multiple range test).

Table S6. Potassium content in the faba bean straw (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	18.2a	17.2a	22.6a	19.3a
	Granit	17.8a	15.4b	23.2a	18.8a
Sowing density	45	17.6a	16.3a	23.0a	19.0a
	60	18.0a	16.0a	22.8a	18.9a
	75	18.4a	16.7a	23.0a	19.3a
Average for interaction					
Bobas	45	17.6a	17.9a	22.4a	19.3a
	60	18.2a	16.3ab	22.4a	19.0a
Granit	75	18.8a	17.4ab	23.0a	19.7a
	45	17.5a	14.7b	23.6a	18.6a
	60	17.8a	15.7ab	23.2a	18.9a
	75	18.0a	15.9ab	22.9a	18.9a
Average for years					
2013		18.0b			
2014		16.3c			
2015		22.9a			
Average		18.0	16.3	22.9	19.1

Different letters indicate a significant difference (Tukey's multiple range test).

Table S7. Calcium content in the faba bean seeds (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	1.27a	0.78a	1.32a	1.12a
	Granit	1.11b	0.78a	1.38a	1.09a
Sowing density	45	1.18a	0.84a	1.29a	1.10a
	60	1.24a	0.76ab	1.41a	1.14a
	75	1.15a	0.75c	1.36a	1.09a
Average for interaction					
Bobas	45	1.08ab	0.80ab	1.22a	1.08ab
	60	1.15a	0.76ab	1.39a	1.15a
Granit	75	1.14a	0.79ab	1.35a	1.14a
	45	1.12ab	0.88b	1.35a	1.12ab
	60	1.12ab	0.76ab	1.43a	1.12ab
	75	1.03b	0.70a	1.37a	1.03b
Average for years					
2013		1.19b			
2014		0.78c			
2015		1.35a			
Average		1.19	0.78	1.35	1.11

Different letters indicate a significant difference (Tukey's multiple range test).

Table S8. Calcium content in the faba bean straw (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	7.80a	4.78a	11.47b	8.02a
	Granit	6.99b	4.54a	12.77a	8.10a
Sowing density	45	7.94a	4.56a	12.20a	8.23a
	60	7.00b	4.79a	12.15a	7.98a
	75	7.25ab	4.64a	12.00a	7.96a
Average for interaction					
Bobas	45	7.80ab	4.72a	11.60a	8.04a
	60	7.76ab	4.95a	11.30a	8.00a
Granit	75	7.84a	4.68a	11.50a	8.01a
	45	8.08a	4.40a	12.80a	8.43a
	60	6.24b	4.63a	13.00a	7.96a
	75	6.66ab	4.60a	12.50a	7.92a
Average for years					
2013		7.40b			
2014		4.66c			
2015		12.1a			
Average		7.40	4.66	12.12	8.06

Different letters indicate a significant difference (Tukey's multiple range test).

Table S9. Magnesium content in the faba bean seeds (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	1.13a	1.17a	1.51a	1.27a
	Granit	1.07a	1.10a	1.46a	1.21b
Sowing density	45	1.13a	1.19a	1.50a	1.27a
	60	1.09a	1.13a	1.51a	1.24a
	75	1.10a	1.09a	1.46a	1.21a
Average for interaction					
Bobas	45	1.16a	1.17a	1.53a	1.29a
	60	1.13a	1.18a	1.51a	1.27ab
Granit	75	1.1a	1.15a	1.49a	1.25ab
	45	1.09a	1.21a	1.46a	1.25ab
	60	1.04a	1.07a	1.50a	1.20ab
	75	1.08a	1.03a	1.42a	1.18b
Average for years					
2013		1.10b			
2014		1.35b			
2015		1.49a			
Average		1.10	1.14	1.49	1.24

Different letters indicate a significant difference (Tukey's multiple range test).

Table S10. Magnesium content in the faba bean straw (g kg^{-1}) as influenced by the examined factors during the study years 2013-2015.

Specification		2013	2014	2015	2013-2015
Average for factors					
Cultivars	Bobas	1.59a	2.82a	1.77a	2.06a
	Granit	1.29b	2.65a	1.76a	1.90b
Sowing density	45	1.50a	2.93a	1.75a	2.06a
	60	1.41a	2.75ab	1.77a	1.98ab
	75	1.41a	2.53b	1.78a	1.91b
Average for interaction					
Bobas	45	1.59a	2.96a	1.78a	2.11a
	60	1.63a	2.77ab	1.76a	2.05ab
Granit	75	1.54ab	2.72ab	1.77a	2.01ab
	45	1.40abc	2.89a	1.72a	2.00ab
	60	1.19c	2.73ab	1.78a	1.90bc
	75	1.28bc	2.34b	1.78a	1.80c
Average for years					
2013		1.44c			
2014		2.74a			
2015		1.77b			
Average		1.44	2.74	1.77	1.98

Different letters indicate a significant difference (Tukey's multiple range test).