

## Multivariate Characterization of Bean Varieties According to Yield Production, Mineral and Phenolic Contents

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**Table S1.** *P. vulgaris* cultivars and respective cultivation yields

Cultivar	Dried aerial part (g)	Fresh seeds (g)	Dried seeds (g)	Pods (g)	Pods (n)	Seeds (n)
Pérola	29.73	27.37	24.25	7.65	32	91
Rudá	25.70	28.04	24.51	7.13	37	133
Xamêgo	16.44	19.83	18.92	6.17	30	108
Valente	30.11	26.70	22.78	6.13	34	117
Bambuí	25.44	29.94	27.86	7.75	30	111
Aporé	16.17	30.74	28.73	8.46	32	117
Diamante Negro	28.04	15.43	13.19	4.80	21	73
BRS Executivo	18.51	15.74	9.50	5.03	13	26
A 195	19.32	18.48	12.23	4.23	20	36
Jalo Precoce	18.57	12.35	10.08	4.77	16	36
SIN 15	20.49	14.93	11.13	5.35	27	58
AND 676	28.82	12.64	11.28	5.63	22	28
AFR 245	21.17	21.10	16.37	5.65	28	55
DRK 18	15.08	20.11	16.67	6.85	32	51
WAF 69	14.91	24.31	16.28	5.74	18	55
WAF 75	14.86	20.16	14.08	5.58	21	35

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**Table S2.** Total phenols (TP) and tannins (mg tannic acid g<sup>-1</sup> seed, dry wt.) and mineral elements (mg 100 g<sup>-1</sup>) in *P. vulgaris* seeds<sup>a</sup>

Cultivar	TP	Tannins	Fe	Zn	Ca	Mg	Mn	Cu
Pérola	2.38 ± 0.11 abcd	1.85 ± 0.26 a	4.63 ± 0.02 jk	1.97 ± 0.01 k	111 ± 0.03 h	184 ± 0.56 b	1.23 ± 0.01 g	0.74 ± 0.01 i
Rudá	2.30 ± 0.36 bcde	2.01 ± 0.15 a	5.33 ± 0.04 hi	2.31 ± 0.03 h	157 ± 0.12 g	167 ± 1.28 c	1.51 ± 0.02 c	0.59 ± 0.01 k
Xamêgo	2.57 ± 0.68 abcd	2.02 ± 0.47 a	4.65 ± 0.03 jk	2.62 ± 0.03 e	91 ± 0.05 j	158 ± 0.96 d	1.40 ± 0.01 d	0.89 ± 0.01 f
Valente	1.81 ± 0.07 cdef	1.54 ± 0.14 a	8.43 ± 0.09 d	2.35 ± 0.05 h	106 ± 0.11 i	160 ± 1.64 d	0.97 ± 0.02 k	1.52 ± 0.03 c
Bambuíf	1.84 ± 0.09 cdef	1.30 ± 0.47 a	6.55 ± 0.04 f	3.92 ± 0.04 b	121 ± 0.07 f	143 ± 0.79 f	1.79 ± 0.02 b	0.50 ± 0.01 l
Aporé	1.99 ± 0.22 bcdef	1.62 ± 0.18 a	14.03 ± 0.16 b	2.74 ± 0.03 d	190 ± 0.12 a	303 ± 1.84 a	1.15 ± 0.01 i	1.17 ± 0.01 e
Diamante Negro	0.85 ± 0.01 def	1.95 ± 0.40 a	5.82 ± 0.06 g	4.88 ± 0.03 a	166 ± 0.05 c	159 ± 0.48 d	3.28 ± 0.02 a	0.78 ± 0.01 h
BRS Executivo	1.68 ± 0.42 cdef	1.69 ± 0.80 a	18.66 ± 0.14 a	2.85 ± 0.04 c	155 ± 0.11 d	143 ± 1.08 f	1.36 ± 0.02 e	1.97 ± 0.03 a
A 195	1.47 ± 0.18 def	1.12 ± 0.30 a	13.03 ± 0.10 c	2.72 ± 0.02 d	172 ± 0.05 b	159 ± 0.72 d	1.33 ± 0.01 f	1.61 ± 0.01 b
Jalo Precoce	2.74 ± 0.05 abcd	1.25 ± 0.12 a	6.51 ± 0.10 f	2.69 ± 0.04 d	104 ± 0.07 i	151 ± 1.06 e	1.01 ± 0.01 j	0.64 ± 0.01 j
SIN 15	1.68 ± 0.24 cdef	1.37 ± 0.23 a	5.67 ± 0.04 gh	2.24 ± 0.03 i	68 ± 0.03 l	127 ± 0.63 i	1.20 ± 0.01 h	0.74 ± 0.01 i
AND 676	4.31 ± 0.15 a	1.47 ± 0.84 a	7.52 ± 0.06 e	2.57 ± 0.05 ef	94 ± 0.08 j	132 ± 0.16 h	1.31 ± 0.03 f	1.37 ± 0.03 d
AFR 245	3.91 ± 0.15 ab	1.72 ± 0.42 a	4.62 ± 0.04 jk	2.22 ± 0.04 i	114 ± 0.11 g	128 ± 1.17 i	0.89 ± 0.01 l	0.64 ± 0.01 j
DRK 18	3.30 ± 0.22 abc	1.56 ± 0.19 a	4.84 ± 0.05 j	2.55 ± 0.06 f	129 ± 0.14 e	141 ± 1.50 f	1.04 ± 0.02 j	0.67 ± 0.07 j
WAF 69	0.35 ± 0.09 ef	1.26 ± 0.36 a	4.40 ± 0.01 k	2.44 ± 0.02 g	84 ± 0.02 k	137 ± 0.34 g	0.68 ± 0.01 m	0.78 ± 0.01 h
WAF 75	0.20 ± 0.06 f	1.56 ± 0.30 a	5.23 ± 0.05 i	2.15 ± 0.04 j	164 ± 0.14 c	115 ± 1.00 j	0.88 ± 0.02 l	0.84 ± 0.02 g

<sup>a</sup>Based on original data. Means followed by the same letter in the columns did not share significant differences at 5% probability by Tukey's test.