



QUALITY OF THE FRUIT OF PASSION FRUIT CULTIVARS PRODUCED IN THE NORTHEAST OF GOIÁS

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Introduction

The cultivation of passion fruit (*Passiflora edulis*) is considered an agricultural alternative of interest for small properties.

Objective

The objective of this work was to evaluate the quality of fruits of ten commercial cultivars of *P. edulis* cultivated under edaphoclimatic conditions in the northeast of the state of Goiás..

Materials and methods

The used design was that of DBC, with 4 replication and 10 treatments (IAC 275, IAC 273, F200, F300, UENF Rio Dourado, BRS Rubi do Cerrado, BRS Sol do Cerrado, BRS Gigante Amarelo, Redondo Amarelo and a variety of Livramento de Nossa Senhora – BA). For the evaluations, 6 fruits per plant were utilized. The data were submitted to ANOVA, and a comparison of means was performed, using the Scott-Knott test, at 5% probability.

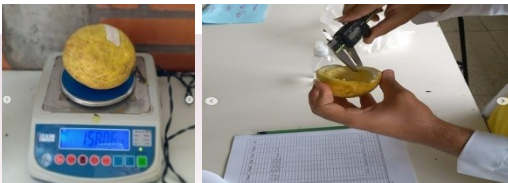


Figure 1. A) Measurement of fruit weight; B) Measurement of the shell thickness.

Results and discussion

Table 1. Scott-Knott means test for the parameters width (FW), diameter (FD); fruit weight (FW); Pulp weight (PW); Shell thickness (ST) and Brix concentration (°Brix) of 10 commercial cultivars (IAC 275, IAC 273, F200, F300, UENF Rio Dourado, BRS Rubi do Cerrado, BRS Sol do Cerrado, BRS Gigante Amarelo, Redondo Amarelo and a variety of Livramento de Nossa Senhora – BA), cultivated under the edaphoclimatic conditions of the Northeast of Goiás.

Trat	FW	FD	FW	PW	ST	°Brix
IAC 275	75,28 a	61,21 a	85,64 b	36,45 b	6,02 a	12,86 a
IAC 273 e 277	37,43 b	32,33 b	43,80 c	19,01 b	2,70 b	5,61 b
F200	77,94 a	64,84 a	95,79 b	34,66 b	6,38 a	13,36 a
F300	77,85 a	70,22 a	122,94 a	61,56 a	6,14 a	13,70 a
Acesso Livramento	81,60 a	77,46 a	153,46 a	57,44 a	7,42 a	13,02 a
UEF Rio Dourado	76,01 a	64,14 a	97,32 b	35,35 b	6,67 a	13,45 a
BRS Rubi do Cerrado	89,09 a	74,07 a	128,37 a	58,05 a	7,16 a	13,47 a
BRS Sol do Cerrado	88,15 a	76,80 a	100,56 b	34,05 b	7,93 a	12,33 a
BRS Gigante amarelo	87,37 a	71,86 a	117,73 a	43,96 b	7,16 a	11,63 a
Redondo amarelo	85,33 a	69,0, a	118,79 a	48,31 a	7,88 a	13,14 a

Conclusion

- The results obtained show that the cultivars F300 and BRS Rubi do Cerrado presented the best fruit quality when cultivated under the edaphoclimatic conditions of the Northeast of Goiás.

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