

PRODUCTIVITY OF ONION VARIETIES IN THREE PLANTING DISTANCES

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ABSTRACT

The objective of the research was to evaluate the productivity of onion varieties in planting distances. The research work is carried out in the Campus of the Universidad Nacional de Concepción of the Facultad de Ciencias Agrarias, Department of Concepción, Paraguay. The experimental design was randomized complete blocks, with a 2x3 plot subdivided and five repetitions, the main plot being the varieties (Premium, Baia periforme) and the secondary plot in the distances between plants (10, 15, 20 cm). The data were tested in the analysis of the variance and the averages compared in the Tukey test at 5% probability. In the variables of diameter and height of bulbs, significant effects were demonstrated in the distances of plantation; The average weight of the bulbs has differences in the two factors. For the variable productivity of the commercial bulbs of the onion, there was also a great significant difference in the sense of the variety of the behaviours in the way of differentiating in the three distances of transplantation; Finally, the productivity of each of the bulbs is important in both factors. It is concluded that the use of the Baia periforme variety and a distance of 10 cm between plants has a better performance on the productivity of onion bulbs.

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