Production of *Curcubita pepo* genotypes described by non-linear models

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Abstract: The objective was to describe the productive response of Curcubita pepo by means of nonlinear regression models. The experimental design was a randomized complete block design with eight replications and two treatments, the cultivars Caserta and a hybrid PX 1306 706. To adjust the models, the harvests were accumulated after the average of the replicates. To verify the model that would fit best, an F test. The culture showed a double sigmoidal productive response with two production peaks. The hybrid PX 1306 706 showed productive precocity in relation to Caserta.

Keywords: Sigmoidal model; regression; precocity; logistic; olive.

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