



Study about the influence of the orchard type on the dynamics of the content in assimilatory pigments in the leaves of some apple tree cultivars

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The purpose of the researches presented in this paper was to reveal the influence of the planting distance in an apple tree orchard on the content in assimilatory pigments in the leaves, which is a determinant factor for the photosynthesis developing. The studies were performed on two apple tree cultivars, Golden Delicious and Jonathan cultivated in different orchard types: Classic, Super and Intensive. The obtained results allow us to remark an increase of the content in assimilatory pigments during the period of vegetation in all studied cases, but this was more accented in Super and Intensive type, both for the chlorophyll and the carotenoid pigments.