RESEARCH CONCERNING THE INFLUENCE OF THE CULTURE SYSTEM ON THE STRAWBERRY FRUITS PRODUCTION

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SUMMARY

The raised costs of the plantation strawberry plant establishment, require the achievement of high production on small areas, using planting distances which should allow a maxim efficiency from the quantitative and qualitative point of view. (Diaconeasa M. and the col.-1995; Takeda F., and all - 2004).

The main objectives of this experience refer to: the achievement of fruit production in conditions of practicing larger planting distances and the decrease of the investment, as well as the establishing of the most economic possibilities for maintaining the plants in multiannual culture of the strawberry plant.

We estimated the two possibilities of maintaining the plants in multiannual culture (individual plant or matted row) in the conditions of planting at different distances (25 cm, 75 cm, 125 cm). The experimental variants (V1 – individual plant x 25 cm; V2 - individual plant x 75 cm; V3 - individual plant x 125 cm; V4 (Mt) – matted row x 25 cm; V5 - matted row x 75 cm; V6 matted row x 125 cm), were put in randomized blocs, in 3 repetitions, on a uniform field. One elementar parcel’s surface had an area of 29 m². The variants in which we utilised plantation distances of 75 cm, respectively of 125 cm, there were made up all the rows till normality in the first year (25-30 cm between the plants on the row) with the first 2 or 3 runners formed on the mother-plants.

Analyzing the dates of production in the six culture systems we have established that the best culture system was represented by the combination “25cm x individual plant” (V1 – 21.63 t/ha), and the lowest was at combination “125cm x matted row” (V6 – 15.91 t/ha).

As compared to the control (V4 -17,78 t/ha), which represents the culture system practiced at present, there have been obtained superior productions in all variants where individual plants were maintained (V1 – 21.63 t/ha, V2 – 20.10 t/ha, V3 – 19.66 t/ha).

REFERENCES