

## **GROWTH AND FRUCTIFICATION OF TREES OF A PEACH DEPENDING ON A DESIGN OF PLANTINGS**

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The increase in efficiency of plantings of a peach faces two most actual problems of this culture. These are large parameters of crowns of trees and high formation of branch ability at the big requirement of breed in a view of, that constrains increase in density of planting [1, 4]. Absence of the dwarf rootstocks and competitive varieties with the constrained growth makes actual an intensification of culture due to perfection of a design of plantings and systems of formation of trees [2, 3].

With the purpose of studying of new forms of a crown and systems of accommodation of trees promoting decrease in force of growth of a peach in the spring 2002 in ES «Petricani» has been incorporated a skilled garden a nursery trees variety Redhaven grafted on seedlings of peach. The following designs of plantings has been investigated: a vase (control), palmette, inclined system, X and V-shaped systems, bush form crone and Y-shaped.

The received results show that the peach possesses very high ability of escalating of vegetative weight. Already by the end of the third period of vegetation the total length of shoots in the control variant has achieved a 86,9m/tree and the next years essentially did not vary. The highest parameters of growth are noted at formation of trees as a vase where a scrap was minimal so by the end of the sixth vegetation diameter of trunk has reached 82,3 mm and were on 12-24 % above, than in the investigated variants. The greatest decrease in growth of trees is noted in V-system figurative design.

Productivity in experience during all years of researches is received in a variant with formation of trees as Y- shaped and has made in the sum for the first 3 years of 20,4 t/ha, that on 38,8 % above, than at vase crowns. Design features of the given system allow creating the highest density of planting of trees alongside with good light exposure of all sites of a crown due to what mainly and efficiency given training system increases.

### **REFERENCES**

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