

EFFICIENCY OF PROGERBALIN LG AND GERBA 4LG PRODUCTS ON THE BRANCHING OF M9 TREES IN TREE NURSERIES

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In order to determine the influence of variety and different intervention techniques on the degree of emission of anticipated shoots the following variants were tested: 1. Free growing (control); 2. Progerbalin LG, 25 ml; 3. Progerbalin LG, 25 + 25 ml; 4. Progerbalin LG, 25 ml + topping of apical leaves; 5. Progerbalin LG, 25 + 25 ml + topping of apical leaves; 6. Gerba 4 LG, 25 ml; 7. Gerba 4 LG, 25 + 25 ml; 8. Gerba 4 LG, 25 ml + topping of apical leaves; 9. Gerba 4 LG, 25 + 25 ml + topping of apical leaves.

Lower values of tree height of Gala Schniga SchniCo Red variety were recorded in the control variant (177 cm) compared to the other variants taken in the study (184-210 cm). The results obtained demonstrate an influence of the products taken in the study on the given index and there is a general tendency that in the variants where the apex was intervened by different methods the tree height was 4.0-18.6% higher compared to the values recorded in the control variant.

The average length of the early branches recorded on Gala Schniga SchniCo Red varied on the variants under study from 27.0 to 54.5 cm and is in direct correlation with the number of early branches formed in the crown formation zone on the stem. Comparing the action of the product on the studied index we register a greater length of annual branches in the variants where the product Progerbalin LG was applied (39.7-54.5 cm) compared to those treated with the growth regulator Gerba 4 LG (34.9-40.5 cm). Higher values of the index in the study were scored in the varieties treated with the growth regulators Progerbalin LG and Gerba 4 LG at the dose of 25 + 25 ml/liter water, where the total length of annual branches was 374 and 316 cm, respectively. The results obtained allow us to conclude that a more favorable balance between tree growth indices and crown base formation in field II of the nursery was recorded in the variants where the growth regulators Progerbalin LG and Gerba 4 LG were applied twice at a dose of 25 ml/liter. The first application to be carried out when the height of the stem is 65-70 cm high and the second at an interval of 5-7 days after the first treatment.

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