

Natural Environment Zoning of West Georgia for Spreading New Varieties of Tangerine in Order to Reveal Optimal Regions

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Based on the metrics suspended in factors area, techniques for agricultural coverage of the territory and rational planting of the citruses of humid subtropical zone of the west Georgia, including verification of their agro potential were developed. Morphometric analysis (biometric index, starting-ending point of the first and second growth, starting-ending point of blossoming, starting of ripening and massive ripening, harvest, mechanical and biochemical composition of the fruit, tasting, storage properties, cost-effectiveness and frost (winter) resistance) of the tangerine – Tiahara Unshiu, introduced from Japan was accomplished.

Aforementioned techniques helped to allocate and differentiate various resource territories, following the resemblance with the virtual model-object and allocation of the landscapes with and administrative units with optimal agro potentials. Data was processed and visualized through GIS – technologies.