
Identification of greenery plant species growing in the “Sun-Shaded and Green Demonstration Field”

- Evaluation of sunlight conditions and selection of optimal greenery plant species -

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Hazama Ando Technical Research Institute established a “Green Verification Field” for the purpose of verifying environmental functions in actual space. As part of this initiative, a “Shade and Greening Verification Field” was created as a test site to evaluate the relationship between sunlight conditions and the growth status of various plants. This report describes the results of sunlight measurements and plant growth surveys. This survey determined the growth suitability of each plant species in this field and identified species that can be expected to grow well. Furthermore, a weak positive correlation was found between growth evaluation and leaf expansion speed, suggesting the possibility of quantitative evaluation of plant growth conditions. In addition, analysis of annual SPAD value fluctuations and distribution showed that chlorophyll content can be an effective indicator reflecting plant growth stages and seasonal changes.
