



## LANDSCAPE PLANTS AND THEIR IMPORTANCE

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### **Abstract**

Landscape plants are the green heartbeat of our cities and villages, decorating parks, streets, gardens, public places with their beauty and vitality. These plants serve a variety of purposes beyond mere decoration, playing an important role in improving our environment, benefiting the ecosystem and improving the quality of life. In this article, we examine the importance and value of landscape plants, exploring how they contribute to the health, sustainability, and aesthetics of our habitats.

### **Key words**

landscape plants, ecological balance, ecology, urban landscape, erosion.

The presence of landscape plants goes far beyond their visual appeal. Their impact extends to environmental benefits such as air purification, soil stabilization and biodiversity support. These plants act as natural air filters, absorbing carbon dioxide and releasing oxygen, while trapping harmful pollutants, thus contributing to clean and healthy air. Their extensive root systems help prevent soil erosion, improve water retention, and create a welcoming environment for a variety of plant and animal species. In addition, landscape plants have a major impact on human well-being and mental health. Many studies have highlighted the therapeutic benefits of spending time in green spaces and communing with nature. Exposure to plants and greenery can reduce stress, improve mood, increase concentration, and increase physical activity. By adding landscape plants to our surroundings, we create peaceful retreats where people can seek solace, relaxation, and inspiration amid the hustle and bustle of modern life. The economic value of landscape plants should not be underestimated. Beyond their beauty, well-designed landscapes can increase property values, attract potential buyers or renters, and contribute to overall community aesthetics.

In commercial settings, well-maintained landscaping can enhance the customer experience, strengthen brand identities, and create an attractive environment that encourages social interaction and participation. As we strive to build more sustainable and resilient communities, the role of landscape plants is becoming increasingly important. Trees, shrubs and flowers contribute to climate stability by providing shade, reducing energy consumption and increasing urban biodiversity. By preserving existing green spaces and incorporating native plant species into landscape design, we can combat urban heat islands, mitigate the effects of climate change, and create livable and environmentally friendly cities. In fact, landscape plants are not only decorative elements, rather, they are integral components of our shared environment, offering countless environmental, social, and economic benefits. By understanding and appreciating the importance of these plants, we can cultivate landscapes that support our well-being, conserve natural resources, and enrich our lives in many ways. In the following sections, we will explore in detail the various contributions of landscape plants and the ways in which they can better shape our world.

Landscape plants play an important role in enhancing the aesthetic appeal, ecological balance and overall well-being of the environment. From urban environments to natural landscapes, the presence of diverse plant species performs several important functions that contribute to the quality of life and the sustainability of ecosystems. One of the main reasons for using landscape plants is their ability to enhance the visual appeal of an outdoor space. Whether in gardens or cities, carefully selected and arranged plants provide a

natural and attractive environment that elevates mood, reduces stress and promotes relaxation. The colors, textures, and shapes of different plants create a visually pleasing landscape that attracts people and wildlife. Landscape plants are essential for maintaining ecological balance and supporting biodiversity. They contribute to improving air quality by absorbing carbon dioxide and releasing oxygen through photosynthesis. Plants also help promote biodiversity by reducing soil erosion, mitigating noise pollution, providing habitat for wildlife, and supporting pollinators and beneficial insects. Plants have been proven to have a positive effect on human health and well-being. Spending time in green spaces with diverse plant life has been linked to reduced stress, improved mental health and increased physical activity. Access to green areas with trees and plants promotes a sense of calm, enhances cognitive function, and improves the overall quality of life. Landscape plants contribute to the economic value of properties by increasing their attractiveness and appeal. Well-maintained landscapes with a variety of plants can increase property values, attract buyers or renters, and improve the overall image of a neighborhood or community. Landscaping in a commercial environment can attract customers, improve employee morale, and create a more attractive environment. Certain landscape plants, such as ground covers, shrubs, and trees with broad root systems, play a critical role in preventing soil erosion.

They help stabilize soil, control water flow, and protect against landslides. In addition, plants help enrich soil health by providing organic matter through leaf litter, root decomposition, and microbial activity, increasing soil fertility and stability. Trees and other large plants in the landscape provide shade, offers natural climate control by lowering temperatures in urban heat islands and reducing energy consumption for cooling buildings. By shading buildings and streets, landscape plants help reduce the effect of heat islands and contribute to energy conservation, thereby mitigating the effects of climate change.

### **Conclusion**

In conclusion, landscape plants are an integral part of our environment and have multifaceted benefits that go far beyond their ornamental value. By recognizing and appreciating the ecological, social, economic and health importance of these plants, we can nurture and maintain visually attractive and ecologically healthy landscapes, healthy and sustainable for future generations we can nurture vibrant communities.

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