



لكل ربيع زهرة

A Flower Each Spring



شجرة بلادي

My Country's Tree

Dr. Saif bin Ali Al-Hajri



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The position of Islam is very positive in agriculture and greening



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On the authority of Anas, may God be pleased with him, he said: The Messenger of God, may God's prayers and peace be upon him, said:

"No Muslim plants a tree or sows crops, and a bird, person or animal eats from it, but it is a charitable gift for him."



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Objectives of the afforestation project



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- Increasing the green surface of the State of Qatar and supporting biodiversity.
- Increasing community awareness of the importance of vegetation in preserving the environment.
- Bringing manifestations of joy and beauty to Qatar, its cities and streets.
- Contribute to the treatment of global warming and climate changes.
- Introducing the economic and medicinal benefits of plants and encouraging their exploitation
- Introduction and domestication of species of trees that are adaptable to our local environment.



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Benefits of the afforestation project



- Expanding the green area in a way that contributes to climate mitigation and biodiversity.
- Reducing the impact of dust storms as a characteristic of vegetation cover and green belts.
- Increase soil cohesion of erosions, and reduce sand dune formation.
- Reducing the burden of pollution caused by transportation.
- Creating a distinctive aesthetic identity for the cities, villages and streets of the State of Qatar.
- Reducing air pollution, purifying it, and increasing the percentage of oxygen in the atmosphere.
- Providing a healthy environment for the population.



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Targeted areas for afforestation



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Public roads, internal and external

Al Furjan stadiums

Public parks, Olympic parks

Villages and citizens' homes

Sports clubs and youth centers

Hospitals, schools, institutes and universities

Industrial cities and commercial complexes

Yards designated for agriculture within the neighborhoods



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Partners

All state agencies and the private sector concerned with plants and afforestation



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nature reserves sector

Qatar Olympic Committee

similar entrepreneurs

The Ministry of Municipal

Ministry of Environment and Climate Change

financiers

Environmental departments in industrial cities

Owners of institutions and private lands

Wild, governmental and private plant nurseries



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Selected plants for afforestation



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We chose species that thrive in arid climates, retain water, and require very little maintenance

Ziziphus nummularia

السدر

Acacia nilotica

القرظ - السنط

Prosopis cineraria

الغاف

Lycium shawii

العوسج

Acacia tortilis

السمر

Moringa oleifera lam

المورنجا

Azadirachta indica

النيم



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Selected plants for afforestation



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شجرة العوسج



شجرة الغاف



شجرة السنط



شجرة السمر



شجرة السدر



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Selected plants for afforestation



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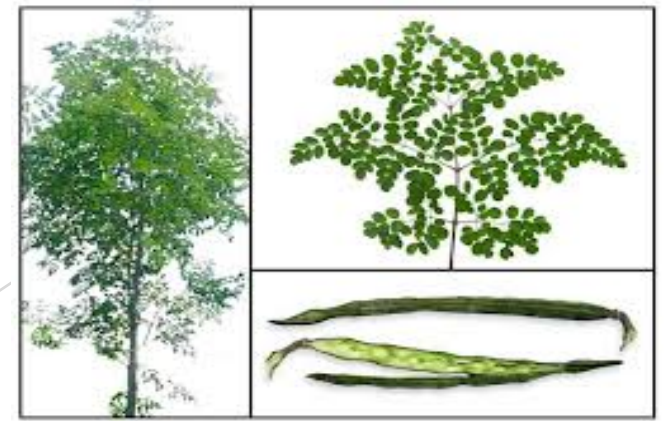
شجرة السلم



شجرة النيم



شجرة المورينجا





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Afforestation controls in cities



To increase the green area within cities, controls should be put in place, and one of the most important general controls that should be taken into account when choosing and planting plants in public streets (on sidewalks)

- Distances between 5-8 m inside cities or villages and 10-12 m on highways.
- The width of the sidewalk is 3 m, and regular standing trees are selected in pits with dimensions of 1.5 x 1.5 x 1.5 m³.
- Tree branches do not cover store addresses or traffic directions.



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Afforestation controls in cities



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- **Each street is planted with one type of tree for ease of maintenance.**
- **Do not plant thorny trees on the sidewalks.**
- **Avoid planting fruit trees on the sidewalks.**
- **At the intersection of roads and at the top of street islands, herbal plants can be planted.**
- **Follow-up of tree maintenance, irrigation and necessary pruning and pruning operations.**



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Landscaping controls in front of houses

To increase the green area, afforestation controls should be put in place:

- The planting basin is near the wall of the house, and the other side of the sidewalk is left for pedestrians.
- The level of the basin is lower than the level of the yard floor, so that the floods of the house flow into the basin.
- The distance between each tree (5-8 m) so that their shadows do not overlap.
- Planting fruitful palms, citrus fruits, grapes, figs, mangoes and other fruit trees.
- Planting short-height trees in the corners of the house to serve as a link between the house and the garden



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Landscaping controls in front of houses



- **Standing, unbranched shrubs are planted between flats and windows and between the doors of the house and the garden**
- **Shrubs are tied to the corners of the house with a vegetable curtain, 1-1.5 m high, or with a natural curtain.**
- **Do not plant any trees or shrubs in front of doors and windows so as not to obscure the views**
- **Reducing the cultivation of flowering herbs around the house because it takes a lot of effort to serve it.**
- **It is preferable to plant evergreen trees to keep the street clean in front of the house.**
- **Not to plant plants with thorns, secretions, or products that are toxic, irritating, or allergic**



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Afforestation controls in front of shops

To increase the green area, afforestation controls should be put in place:

- Avoid planting tall trees that do not block the view of billboards.
- Planting shrubs with limited height and few side branches.
- Increasing the cultivation of perennial herbaceous plants, which hinders the walking of pedestrians



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Afforestation controls in front of shops



- Planting plants that do not need continuous pruning and that do not have thorns.
- Cultivation of flowering shrubs or those that give flowers throughout the year.
- Avoid planting deciduous trees so as not to stain the sidewalk with their fallen leaves or fruits
- Distribute plants and advertising and commercial signs on the sidewalks to avoid overlapping them

Thank you all
With regards
Dr. Saif bin Ali Al-Hajri