

# **SHARQIA LANDSCAPE MANUAL**



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**Technical Consultant** 



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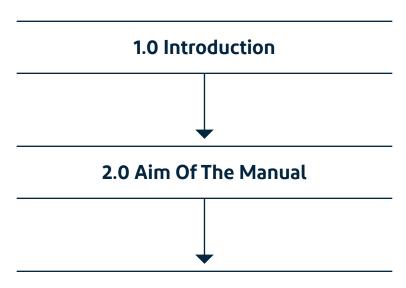
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# **Chapter Framework**

This chapter mainly focuses on introducing the Eastern Region providing design and technical regulations for different types of landscaping and public realm projects within the Eastern Region. While the last part illustrates how to read the guide's data, figures, and specifications.



# 3.0 Introducing The Eastern Region

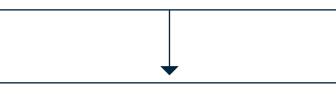
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CHAPTER FRAMEWORK



### 1.0 Introduction

Sharqia, the Eastern Region in the Kingdom of Saudi Arabia is home to native trees and diverse natural assets. It's geography and rich soil in various land parts gave birth to unique plants and can grow various others that have features harmonizing with and withstanding the regional climate. Sharqia Development Authority worked on listing some of these plants in a guide book to support as reference to public and private developers.

The environmental system has been adversely affected over time by urban expansion and its related activities such as industry, mining, agriculture and others. Within its urban limits area, the vegetation takes a variety of forms including formal landscaped areas, gardens and Green spaces. Beyond the urban limits natural vegetation is present in rangelands, Green lands and across the valleys and plains. Plant cover is found within both rural and agricultural areas. Given the importance of vegetation as a critical environmental element necessary to sustain human life. There is a strong recognition of the need to strengthen the efforts to restore vegetation and rehabilitate and reclaim degraded areas with plant cover.

This document is first version that is part of a series of urban guidelines that lists plants that can be used to enhance the landscaping in Sharqia. The series will cover lighting and other landscaping and urban realm materials, techniques and guidelines that helps developers as a reference to better the overall built environment in Sharqia region.

### 2.0 Aim Of The Manual

This manual aims to propose a light guide to be easily used by government entities and the private sectors such as professionals, architects, landscape designers, urban designers, and planners. It is through providing design and technical guidelines that aim to achieve environmental sustainability, raising the visual impact and aesthetic qualities of the Eastern Region.



Identifying plant typologies and their suitable placement in the Urban context



Presenting a scientific methodology to promote environmental awareness



Supporting sustainable landscape design by providing irrigation requirements and strategies to flourish in arid environments



Providing general guidelines for functional, aesthetic, and environmental plant design



Supporting initiatives to increase green space per capita

# 3.0 Introducing The Eastern Region

The Eastern Region is the largest region by area and the third most populous after the Riyadh region and the Mecca region. The area includes 13 governorates with varying geographical characters of deserts, mountains, creeks and Sabkhas. It is also home to the largest oasis, Al Ahsa, that has a massive number of grown palm trees that serve as a strong pillar to the agricultural industry in the kingdom.

The region is extremely popular among tourists for its beaches on the Arabian Gulf, being linked with several land border of GCC country such as Kuwait, Qatar, United of emirates, Oman, and Bahrain via King Fahad Causeway.



Figure 1: Map of the Kingdom of Saudi Arabia





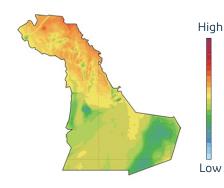
# 3.1 Sharqia Maps Based On Topography And Climatic Variation

# 3.1.1 Temperature Map



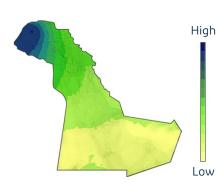
The eastern region is mainly divided into coastal and inland areas, which leads to a difference in the overall climate in the region. The climate of the coastal areas in the summer is very hot and humid, and in the winter, it is mild with cold at night. As for the interior regions, the climate is dry and hot in the summer, and cold in the winter.

# **3.1.2 Wind Map**



The northern and central parts of the Eastern Region are affected by the hot dry north and northeastern winds in summer but cold dry in winter, because the desert plains of the Eastern Region are surrounded by large desert areas to the south, west and north.

# 3.1.3 Rain precipitation Map



The eastern region is one of the least rainy regions in the Kingdom and one of the highest in terms of temperature and evaporation rates, and this makes the annual moisture balance in the region a negative balance with drought being the dominant feature of the climate of those lands.

# 3.1.4 Topography Map



In the north of Al-Sharqiyah lies the rocky Summan plain, but toward the east the terrain changes to flat lowlands marked by numerous fertile oases; Al-Hasa is a large oasis in the center of the region. The Arabian Gulf along the coast is mostly shallow with coral reefs.

# **3.1.5 Soil Map**



The most important characteristic of the soil of the region is that its moisture content is low in most months of the year. The primary soil materials in the region are derived from its rock formations. The geological composition of the area consists of sandstone, limestone, claystone, as well as mudstone.





# 4.0 Design Criteria

Designing landscape and selecting plant material depends on a number of factors, However the principal factor is often how the landscape should/would 'feel' like. The general appearance of a landscape design, and the feelings and perceptions it triggers its users to feel is the main contributing factor that allows landscape designers and decision makers to choose plant material.

This choice of plant size, shape, color, texture and the nature of the plant (evergreen or deciduous) shapes the aesthetic value of a landscape as well as affects how public and open spaces are used, perceived and maintained.

Using plants and capitalizing on their various characteristics often overlaps with how these 'soft' features or 'natural' elements interact and visually connect with existing 'hard' features of 'artificial' elements (for example; pavements, lighting fixture, buildings, etc.)

# 4.1 Formal characteristics

A - Size B - Form C - Texture D - Color E - Foliage

#### A - Size

Plants come in a variety of sizes, some palms for example can grow to a staggering height of 30 meters with a narrow upright ratio, while other bushes only rise a few meters off the ground but compensate with a broad frontage. This makes plant size a main contributing factor of space perception. For example, if a single large tree is planted, it expresses dominance and distinction, emphasizing a sense of spatial landmark or iconic feature.

A more concrete example is when a group of large trees are planted, they can provide multiple functional uses creating spaces that can act as shelter belts, shading canopies, etc. in contrast when designing with groups of small plants, it is more likely for them to be perceived as space definers, where they often exist as background entourage.

#### B - Form

Plant form refers to the shapes of the landscape elements, the parts that make the whole. Plant form is equally as important as size, in its own right, and greatly affects how a space is perceived. Plant life comes in an array of geometries and some create unique opportunities for topiary art.

Common practice is to use vertical plants to emphasize the height of a space, and in other instances imply directionality. While other horizontal / broad branching plant material often emphasize space spaciousness while the effect of circular plants is neutral in the visual composition.

A successful design capitalizes on diverse plant forms to achieve harmonious visual compositions that are both aesthetically pleasing and contributing to perception and way finding.

#### C - Texture

Plant texture is a very important characteristic of plant material that is often not used to its full potential, plant texture refers to how fine or coarse the surface of the plant material 'feels like' or is perceived.

Rough or coarse textured plants like cacti and other succulents for example often tend to have a stronger impact than fine textured plants which on the other hand often have a less visual impact.

Designers often make use of the diverse spectrum of plant textures to provide interest and contrast in a landscape, in some cases gradation of plants and how homogeneous or contradictory the landscape arrangement is can have great impact on the perception of space.

#### D - Color

Color is one of the most memorable characteristics of plant life. The plant life is very rich in its diversity of colors, with palettes that are as varied as designers can image. When the broad diversity of plant color is added to the manipulations along with the change that plant color undergoes either through seasons or in some instances time of day the spectrum of plant life color is expanded even further.

In its most basic applications, the use of warm colors such as red, orange, and yellow with high energy and visual impact, add a sense of proximity (make a space feel smaller). Other plants with cool color palettes such as blue, green and violet achieve calmness and have a low visual impact, and also add to the perceived openness of a space (make a space feel larger).

# E - Foliage

Another determining characteristic of plant material is whether it is deciduous or evergreen. A deciduous plant is a plant that loses its leaves/foliage for a period of time annually, and then grows the foliage again. Evergreen plants on the other hand maintain their foliage throughout the year. By designing with foliage temporality in mind, landscape design exposes the full potential of plant material as a dynamic and changing living element.

Plants with deciduous leaves are characterized by a dynamic visual impact in terms of changing the color of the leaves during the fall and bare branches in winter, while with flowering season in spring. Unlike evergreen trees, which give a sense of visual stability as they maintain a more stoic presence year-round.





# 4.2 Aesthetic uses of the plant

A- Complementary D- Acknowledgers
B- Unifiers E- View enframement
C- Emphasizers F- Softeners

# A - Complementary Element



Plants are used as a complementary element to the architectural blocks in terms of giving balance and filling the spaces to form a homogeneous urban scene that combines the solidity of the mass and softness of plants.

# B - Unifying Element



Plants are used for connecting elements of landscape as they contribute to the homogeneity of the visual perception and contribute to an overall successful design.

# C - Emphasizing Element



Plants contribute in acting as a focal element, whether on roads, corridors or entrances, as they contribute to directing physical and visual movement to specific points, and areas.

# D - Acknowledging Element



Plants are used as a background to emphasize existing and/or pre-existing elements, whether architectural or artistic, in both the horizontal and vertical planes, emphasizing a contrast between the dynamic and static elements (natural and artificial elements).

# E - Framing Element



Plants are used for visual guidance by creating a closed or semi-closed frame that contributes to the visual emphasis of a particular element

# F - Softening Element

Plants are characterized by their natural characteristics in terms of differences in texture, color, shape, and size, so that they contribute in forming an organic system that reduces the strictness of architectural blocks and solid materials to produce homogeneous scenes that combine softness and rigidity.





# 4.3 Aesthetic Uses Of Plants In Urban Spaces

- A- Streets and sidewalks
- B- Medians and islands
- C- Residential areas
- D- Public gardens
- E- Plazas and squares
- F- Highways
- G- Natural spaces
- H- Corniches and Promenades
- Car Parking

# A- Streets And Sidewalks:

Repetition of plants can achieve unity in landscape design, as they can link and unify the composing elements, creating a sense of harmony in the urban scenery of the city. Trees for example can form a green network, linking and absorbing the diverse cluttered features of a city.

#### Do:

- 1- Choose the type that bears air pollution.
- 2-Evergreen trees
- 3-Trees with fast growing rate.
- 4-Trees that provide shade
- 5-Putting planter box in the middle of sidewalks.

## Don't:

- 1- Use shrubs on pavement.
- 2-Use weeping and week branches.
- 3-Use invasive roots.
- 4-Use high shrubs to ensure vision possibility for drivers.



### **B- Medians And Islands:**

Landscaping the medians and central islands can enhance the perceived safety by making the intersections and separating units a focal point and lowering the car speeds. They can also offer environmental benefits, as improving the ambient temperatures, filtering the air pollution and dust, while beautifying the roads.

#### Do:

- 1- Use trees with fast growing rate.
- 2- Choose the type that bears air pollution.
- 3- Use evergreen trees
- 4- Adequate distances between plants.

#### Don't:

1-Use high shrubs to ensure vision possibility for drivers.







# **C- Residential Areas:**



Residential landscaping can provide an urban scheme that is unified, balanced, and in harmony with the house and the neighborhood, as they can be used to frame the house and provide a background scene. Proportion and scale of plants can be used to highlight the building's height and architectural features, creating a good visual image.

## Do:

- 1- Use trees with fast growing rate.
- 2- Choose the type that bears air pollution.
- 3-Use trees with straight trunks.
- 4- Putting planter box in the middle of sidewalks.
- 5-Trees that provide shade

#### Don't:

- 1- Use expanding root trees that may cause damage to the pavement
- 2-Use poisonous or spiny types.
- 3- Use invasive roots.
- 4-Use fruit trees that needs high maintenance



## **D- Public Parks And Gardens**

Public gardens provide a vital window into the living natural world, by implementing various types of plants and landscape elements. Proper planning should be carried out to understanding of the role of nature in human experience and fulfill different users' needs. For instance, the shade of trees makes a place for people to meet and socialize, while grass loans can be used for organized sports and spontaneous play...etc.

#### Do

- 1- Use shaded trees with round crown-shaped.
- 2- Use plants that can tolerate shade and low lighting.
- 3- Choose the type that bears air pollution.
- 4- Use evergreen trees
- 5- Use shrubs and plant fences for planning and separation.
- 6-Use Crown-shaped pyramid shrubs/trees to fend off the wind.

#### Don't:

- 1-Use hostile plants near sensitive plants.
- 2- Use poisonous species.
- 3- Use invasive roots.
- 4- Use trees which fruit is falling.
- 5- Use Spinal types, except if it requires to keep people away from the area.
- 6- Use plants with high irrigation needs











# E - Plazas and Squares



Urban squares usually reflect the cities' identity and the communities' cultural background. As the fundamental component of the city structure, urban squares contribute to the image and prestige of the city. Plants can be used to soften the strong effects of hard surfaces or sharp lines. Moreover, it can also be used for creating enclosure or dividing the space into subzones of activities.

#### Do:

- 1 Use fast growing trees.
- 2 Use crown-shaped shrubs with little expansion.
- 3 Use shaded trees with round crownshaped.
- 4 Use plants that can tolerate shade
- 5 Trees that have average to long term.
- 6 Using trees grating as a hardscape separator.

#### Don't:

- 1 Use trees with falling fruit.
- 2 Use weeping and week branches.
- 3 Using plants that brings diseases, pets and insects.
- 4- Use expanding root trees that may cause damage to the pavement



# F - Highways

Landscaping along highways is usually made up of trees and shrubs rather than grass or herbaceous ornamental plantings. This is because trees and shrubs will generally be a long-term investment with lower maintenance costs. Growing plants near roads slows, absorbs, and cleans water runoff. Thus, plants along roadsides reduce soil erosion and control flooding which result in cleaner water supplies.

#### Do:

- 1 Use fast growing trees
- 2 Choose the type that bears air pollution. possibility for drivers.

#### Don't:

1 - Use high shrubs to ensure vision

3 - Use evergreen trees

# **G** - Urban Forests



Urban forests, because of seasonal changes and variety in plants' species used, are one of the most prominent elements of urban green infrastructures. Their benefits in cities and uses range from intangible psychological and aesthetic benefits to enhancement of urban climate and mitigation of air pollution.

#### Do:

- 1 Use of indigenous local species.
- 2 Use species that can survive in the shade.
- 3 Use of authentic trees with a long life.

#### Don't:

1 - Use hostile plants near sensitive plants.

# H - Corniches and Promenades



Corniches and promenades provide a link between the water and the land, serving as a visual and physical edge between the waterfronts and urban streets. Therefore, a well-designed corniche landscape needs to maintain access, views and aesthetics in addition to withstanding heavy weather conditions such as wind, spray, and salt from the water.

#### Do:

- 1 Use high wind resistant plants
- 2 Use plants that can withstand high light conditions
- 3 Use low maintenance plants, pest and disease resistant: Free of features that could maintenance poison or cause injury to pedestrians.
- 4 Using trees that withstand strong liahtina

- 1 Use dense spreading trees to maintain visual continuity with waterfront
- 2 Use invasive plants
- 3 Use fruit trees that needs high



# I - Car Parking

Landscaping the surface parking lot involves planting trees, providing good quality soil and generous landscaped areas, enhancing pedestrian and cycling infrastructure, reducing the urban heat island effect, and using sustainable materials and technologies.

- 1 Use shade trees at parking islands and at end of parking rows for pedestrians
- 2 Parking curbs should be planted with low level vegetation to maintain visibility. 3 - All plants used, except groundcover, should be set back a minimum 0.6m from any curb edge to protect from vehicle

overhang and mechanical damage

#### Don't:

- 1 Use landscaping that may obstruct visibility of the parking area
- 2 Use expanding root trees that may cause damage to the pavement
- 3 Use invasive plants

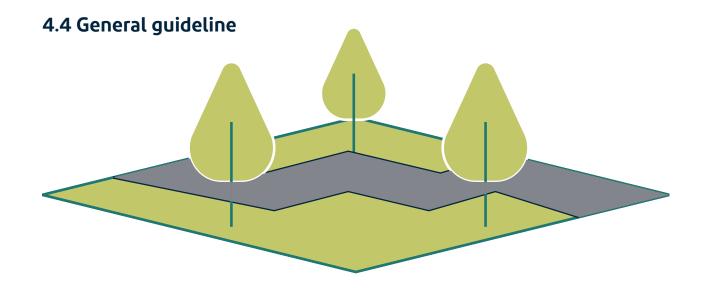












# 4.4.1 Hardscapes guidelines:

The selection of paving type should be determined according to both intended functional use and the character of each site and its immediate context.

All water features should be surrounded with slip resistant materials In primary gathering spaces and nodes, large scaled paving should be used, while in small seating spaces smaller scaled paving should be used

Each space should be indicated by different hardscape material to recognize space's transition

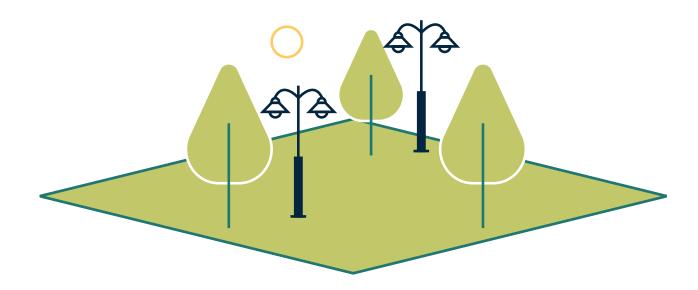
Selected tile size should be proportionate to the area within which it is placed; larger tiles for open areas and plazas, and smaller tiles for seating areas and sidewalks.

Permeable and compacted crushed natural stone or gravel are preferable on pathways and with a scale that responds to the use of the space

Paved areas should be constructed adjacent to trees to allow expanded root zones for enhanced growing conditions. Therefore, planting pit zone should be respected while designing hardscape zones in order to damage the trees' roots

The sense of direction could be emphasized by using various surface patterns and colors to define movement and direction

Non-shaded and semi shaded areas are preferred to be paved using light-colored materials to reduce the amount of heat gained and to maintain a good human comfort.



# 4.4.2 Lighting guidelines:

For safety, changes in grade such as steps and ramps should be clearly illuminated.

Provide appropriate, continuous illumination and lighting levels along pedestrian routes to ensure public safety.

Energy-efficient site lighting strategies should be developed to minimizes light pollution. Thus, photovoltaic panels could be used to produce lighting for outdoor spaces including parking lots, walkways, and urban plazas.

Aesthetically, lighting units should be critically chosen to achieve an integrated design with the overall streetscape and architectural identity.

Pedestrian's height should be respected by adding pedestrian's lighting fixtures into existing vehicular light poles

Each lighting units' category has to be modularly coordinated in a way that does not obstruct circulation on sidewalks, vehicular access, parking, loading and service areas.

Choosing suitable lighting fixtures that highlight aesthetic features of the overall design such as public art, water features, landscape elements, and foliage.

Security lighting with motion sensors are recommended to be used in isolated and less frequently used spaces such as pocket street spaces.

# 5.0 Technical Criteria



TECHNICAL CRITERIA

# 5.1 Choosing a plant nursery

When choosing a plant nursery, it is important to choose a nursery that cares for its plants. The main factors that could help you determine are; plants that look healthy, and the ratio of the plant to the pot. Watch out for evenly spaced branches when choosing trees and shrubs, with strong roots, and choose plants with straight well-developed stems. Avoid roots that have grown into the shape of the pot as this could mean poor root absorption, or markings, weeds or disease.



## 5.2 Plant spacing and placement

Plant spacing is important to allow each plant strong fixation and to assure that each root system has access to the nutrients it needs. The rule of thumb is to place the plants at a distance equal to half the length of the full growth of the plan (at full maturity).



# 5.3 Planting pit

For trees to grow well, the pit depth should be a minimum of 150 cm, and minimum diameter 150 cm. When planting shrubs, the minimum depth and diameter should be 60 cm. The soil mixture should be clean and free of rocks and debris.



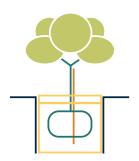
#### 5.4 Soil mixture

It's important to inspect the soil mixture in existing areas, to assure that the soil acidity, porosity, and percentage of organic material are all balanced this way you can provide the most favorable habitat for plant material to grow healthily. It is also of prime importance to assure that the soil mixture is free of harmful chemicals, and harmful insects.



# 5.5 Protecting plant material

Good design considers circulation routes in light of both their location and dimension, to make sure pedestrian circulation does not cause physical damage to plant material. When plants are still too young to offer resistance impact, it is advised to install a highly perforated protective cage that can be easily removed once the plant starts to develop.

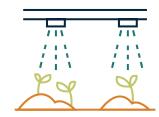


# 5.6 Plant installation and support

When planting new trees and other plant material it is important to note that particularly in windy locations they need external support to scaffold the tree bark until it is strong enough to sustain itself in local weather condition. When choosing/designing the plant material support there are a few points to take into consideration. Firstly, make sure the support used does not threaten the root system, try using slightly malleable, smooth, and broad scaffolds. The best practice for a support system is a hybrid of vertical support that runs parallel to the plant, with horizontal ties connecting the plant and the support.







#### 5.7 Irrigation systems

Good Irrigation is a vital pillar of healthy plant life, given the scarcity of water. Also, in alignment with more sustainable visions of the future, the use of an automated irrigation system is strongly advised to cut on water, and labor costs. In addition, irrigation systems allow controlled timing for irrigation (night irrigation significantly affects water loss through evaporation). Also controlling irrigation system nozzle/outlet area could mean making sure some plant areas are adequately watered at all time.



#### 5.8 Plant care

Plant care is important to keep plant material in a fit and aesthetically pleasing form. When caring for plants it is important to not neglect hardy plants that can withstand rough climatic conditions as this may lead to the deterioration of plant health. This could later on lead to a steady decline that, in some cases, could not be reversed leading to the loss of plant materials.



#### 5.9 Pruning

Pruning has a lot of benefits for the plant material and for the surrounding context. When plants are pruned, any dead, sick or infected parts are removed and /or cut off. In some cases, pruning also is done to maintain the shape of plant material either to align with a particular design or to assure that the plant is protected from physical assault (for example an overgrown bush could be exposed to accidents where passersby step on it or consistently brush by It and lead to its deterioration). In other cases, pruning is done to allow sun to penetrate through heavy or bushy greenery. This maintains healthier plants that can continue to grow and flourish for years. It is strongly advisable to not prune newly transplanted plant material as this may negatively affect their ability to acclimatize



#### 5.10 Fertilization

Although fertilization could prove to be very helpful for plant material, it is of key importance to only use fertilizers when necessary. Organic fertilizer that are rich in natural materials are always a better option when compared with chemical fertilizers. In all cases it is imperative to be aware of local regulations as they serve as the primary reference for landscape fertilization.



#### 5.11 Pesticides

Monitoring and observing plant life allows us to intervene early which in turns postpones (and some cases avoid) the need for use of pesticides and fungicides. Postponing the use of pesticides and fungicides until necessary is advised as this allows plant material to lead a more robust and vital life span. Where possible and if there is a choice mechanical or physical interference (cutting parts, pruning, ...etc.) is advised as a primary care option that supersedes introducing chemicals in the form of pesticides or fungicides. It is again of prime importance to stick to local regulations and to make sure that any chemicals used are safe for the plant material and the surrounding context.





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Sharqia plants manual is proposed to be a guide for all users, providing a variety of plants that are mainly planted or locally known in the kingdom. Plants were selected according to a criterion that is suitable for both technical and design concerns for enhancing the environmental quality of the Sharqia Region.

# 6.1 Plants were divided into six categories according to their types into:

#### 1- Trees



HOW TO USE THE MANUAL

A plant element that typically has a single stem or trunk growing to a considerable height and bearing lateral branches at a specific distance from ground.

# •

#### 2- Palm Trees

A plant element that has a crown of a very long feathered or fan-shaped leaves, and typically having old leaf scars forming a regular pattern on the trunk.



#### 3- Shrubs

A plant element that is smaller than a tree and have several main stems arising at or near the ground.



#### 4- Groundcovers

A plant element that rows over an area of ground and provides a protection of the topsoil from erosion and drought.



#### 5- Climbers

A plant element that with a growth habit of trailing or scandent stems, lianas or runners.



#### 6- Succulents

A plant element that has thick fleshy tissues that are adapted to sore water.

#### Photographs

Referring one main photo for each plant in its maturity form followed by four detailed pictures for leaves shape, flowers, seeds, branches and fruits if found.

#### 6.2 Color legend

Each type of plants was given a specific color that is clearly added to the plant page, given to its name and logos, to ease the process of finding the suitable plant for your design, according to this color palette.













Trees

Palm Trees

Shrubs

Groundcovers

Climbers

Succulent

#### 6.3 Design Description Part

Design description focuses on all information related to each plant, character comes first to explain the size and form of the plant, second, we know what is the best location where it can grow up, then, usage of the plant. Finally, its order whether as a single or grouped tree. And giving a final brief text about what is mostly significant about this plant.

#### 6.4 Technical Description Part

Focusing on each plant technical information. Which are divided into four main parts, General information, water, soil, wind and light demand. Technical information is divided into 4 parts:

#### 6.4.1 General

Introducing the **plants' origin** followed by its **growth rate**, which is measured by how long and wide does the plant grow within 2-4 days.

**High**: mature within 4 days **Medium**: semi mature **Low**: months to maturity.

#### Maintenance:

**High**: monthly **Medium**: quarterly **Low**: annually varies.

**Height & spread** gives ranges of the plants' size.

While **propagation** gives information on how this plant is being propagated. whether by seeds, cutting or taking offsets.

# 6.4.2 Water specs section

- **Drought resistance**: Drought tolerance is the ability to which a plant is able to survive in unfavorable arid conditions, extreme heat, and/or lack of water.
- **Irrigation:** refers to the amount of water which the plant needs each time it's being watered.
- **Salinity:** the degree to which the plant can withstand, without significant adverse effects, moderate or high concentrations of salt in water, and or soil. Where the salinity is measured as part of million.

**High:** 10,000 - 35,000 ppm **Medium:** 3,000 - 10,000 ppm **Low:** 1,000 - 3,000 ppm

- Hardiness: refers the plats' ability to survive adverse growing conditions

**High**: zone 10 - 13 **Medium:** zone 6 - 9 **Low:** zone 1 - 5





- Watering rate: refers how often the plant is being irrigated.

**High:** daily watered

**Medium:** 2-3 times a week

**Low:** once a week

# 6.4.3 Soil & Light specs. Section

- Type of Soil whether: Sand, Loam or clay.

- Salt tolerance:

**High:** 16 - 24 ds/m **Medium:** 4 - 16 ds/m **Low:** 2 - 4 ds/m

\* ds/m = Deci siemens per meter

### - Light Requirement:

**High:** Full sun Medium: Partial sun **Low:** Full shade

## 6.4.4 Wind specs. Section

- Wind resistance: refers to how strong does the plant resist the applied wind speed.
- **Desiccation:** refers to the process of extreme drying.

# 6.4.5 Logos part

This part is also provided to ease the perceived basic information about each plant which are:



a- Watering rate %



b- Leaves Form Logo



c- Plants' Form Logo

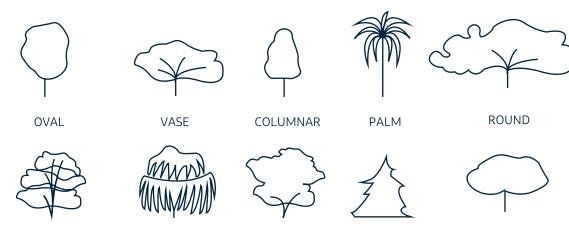


d- Native Plants' Logo

#### 6.4.6 Names section

Starting with the Latin name, followed by the Family name, Common name and then the pronunciation of the Arabic name at the right part.

# 6.5 Tree And Palms Form



**IRREGULAR** 

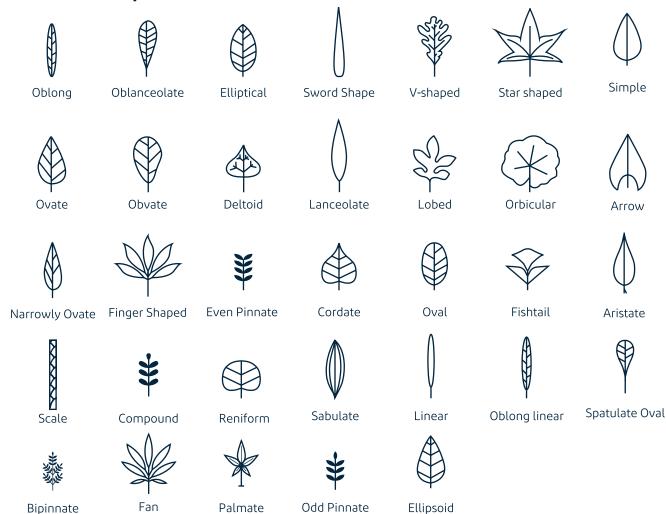
PYRAMIDAL

SPREADING

# 6.6 Leave shapes

WEEPING

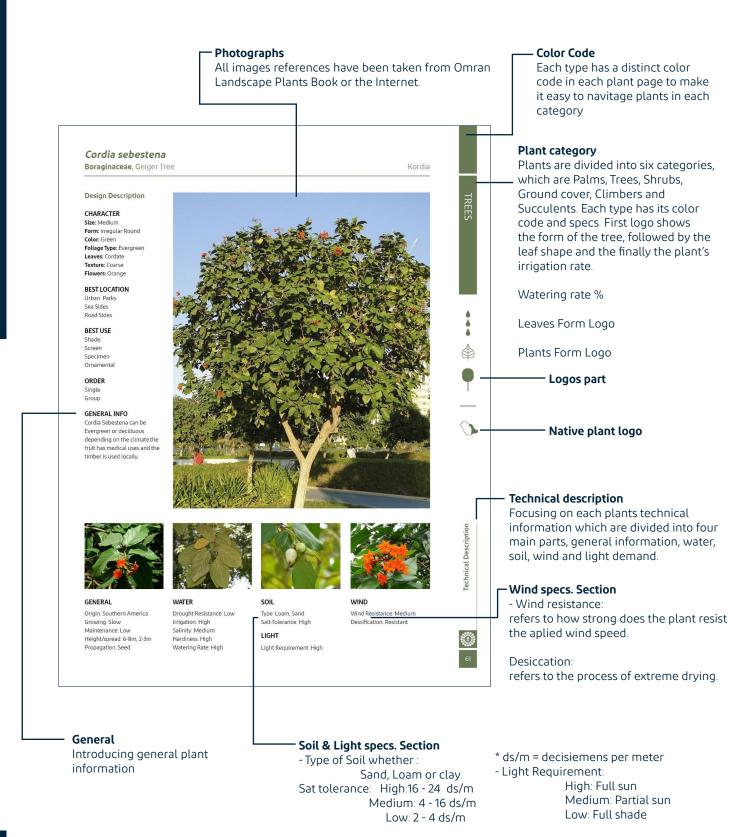
OPEN







# 6.7 How To Use The Plants Specs Page



#### Design description -

Design description focuses on all information related to each plant - first, the character to explain the size and form of the plant, secondly the best location or where it can grow, usage of the plant, and finally it's order whether as a single or grouped tree. A final brief text about what is most significant about the plant.

#### General

Introducing the plants' origin followed by its growth rate, which is measured by how long and wide does the plant grow within 2-4 days. High: mature within 4 days

Medium: semi mature Low: months to maturity.

#### Maintenance:

High: monthly Medium: quarterly Low: annualy varies.

Height & spread gives ranges of the plants' size. While propagation gives information on how this plant is being propagated. whether by sees, cutting or taking offsets.

#### Water specs. Section -

- Drought resistance: refers to how hardy is the plant to drought. - Irrigation: refers to the amount of

water which the plant needs each time its being watered.

Salinity: refers to how tolerant the plant is to irrigation water High: 10,000 - 35,000 ppm Medium: 3,000 - 10,000 ppm Low: 1,000 - 3,000 ppm

#### Names section

Starting with the Latin name, followed by the Family name, Common name and then the pronounciation of the Arabic name at the right part.

Family Name, Common Name



Design Description

CHARACTER

Form: Irregular Round Color: Green Foliage Type: Evergree

BEST LOCATION

Sea Sides Road Sides RESTUSE

ORDER

GENERAL INFO

GENERAL

Growing: Slow Maintenance: Low Height/spread: 6-8m, 2-3m

Origin: Southern Ameri

Evergreen or deciduous depending on the climate the timber is used locally.







Salinity Medium



Type: Loam, Sand

Light Requirement: High







0

Hardiness: refers the plant's ability to survive adverse growing conditions

High: zone 10 - 13 Medium: zone 6 - 9 Low: zone 1 - 5

Watering rate: refers how often the plant is being irrigated. High: daily Medium: 2 - 3 times a week Low: once a week





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Alsint Almilhiu





Fabaceae, Salt Wattle

# **Design Description**

#### CHARACTER

Size: Medium

Form: Round Weeping Color: Medium Green

Foliage Type: Evergreen

Leaves: Oblong Texture: Medium Flowers: Creamy White

#### **BEST LOCATION**

Public Parks

**TREES** 

Highways Desert Environments

# **BEST USE**

Background

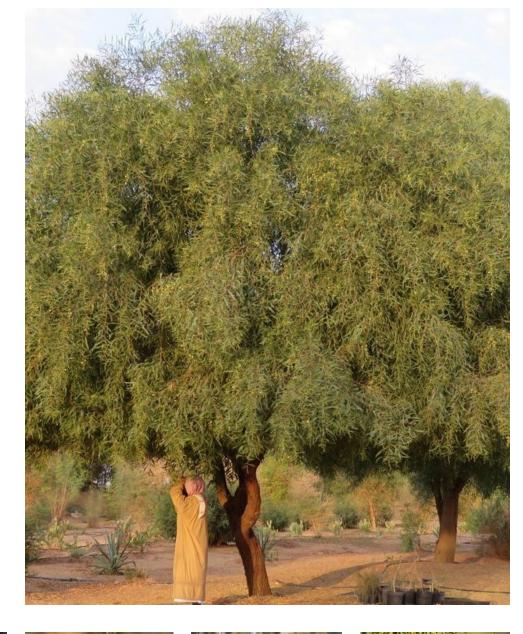
Mass Plant Shelter Belt

# **ORDER**

Single Group

# **GENERAL INFO**

It's a mass plants tree that provides good Screening and background.





#### **GENERAL**

Origin: Western Australia Growing: Fast Maintenance: High Height/spread: 9m, 10m Propagation: Seed



#### WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Low Dessification: Resistant





# **Design Description**

#### **CHARACTER**

Size: Large Form: Spreading Color: Dull Green

Foliage Type: Medium Green

Leaves: Even Pinnate Texture: Fine Flowers: Golden Yellow

#### **BEST LOCATION**

Natural spaces National parks Highways

#### **BEST USE**

Feature tree

# **ORDER**

Single

# **GENERAL INFO**

Ideal for desert landscapes.

#### **CHARACTER**

**Design Description** 

Acacia cuthbertsonii

Fabaceae, Silver Witchetty

Size: Medium Form: Round Color: silver green Foliage Type: Evergreen **Leaves:** Phyllodes Texture: Medium Flowers: Golden Yellow

#### **BEST LOCATION**

Natural Spaces National Parks Highways Public Park

#### **BEST USE**

Edging Unifiers Emphasizers

## **ORDER**

Single

# **GENERAL INFO**

Natural shape / its distinguishing round form, achieving order as repetitive tree.



# **GENERAL**

Origin: China Growing: Fast Maintenance: Average Height/spread: 8-15m, 5-8m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Low



# SOIL

Type: Light-sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High



# **GENERAL**

Origin: Western Australia Growing: Moderate Maintenance: Low Height/spread: 3-5m,3-5m Propagation: sowing, pricking out



WATER

Drought Resistance: High Irrigation: Low Salinity: High (3500 ppm) Hardiness: Low Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: High

## LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Resistant





TREES

Technical Description



## **Design Description**

#### **CHARACTER**

Size: Large Form: Open Oval

Color: Deep Green

Foliage Type: Evergreen

Leaves: Pinnate Texture: Fine

Flowers: Golden Yellow

#### **BEST LOCATION**

National Parks Highways

**Desert Environments** 

#### **BEST USE**

Background Screening Shelter Belt Wild Areas

#### **ORDER**

Single Group

## **GENERAL INFO**

Preferable as group trees, visual impact in massing & group trees.

#### **CHARACTER**

Size: Large

Form: Irregular Weeping

**Design Description** 

Acacia pycnantha Fabaceae, Indian Rosewood

Color: Light Green

Foliage Type: Deciduous

Leaves: Linear Texture: Medium Flowers: White Cream

#### **BEST LOCATION**

National Parks Highways Urban Areas

#### **BEST USE**

Background Screening Shelter bed

### **ORDER**

Single Group

#### **GENERAL INFO**

Irregular golden feature.





# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Low Height/spread: 4-15m, 6-15m Propagation: sowing, pricking up



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium (2000 ppm) Hardiness: Medium Watering Rate: Low



#### SOIL

Type: Clay, Loam ,Black hydromorphic vertisols Salt-Tolerance: High

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Resistant



#### **GENERAL**

Origin: Australia Growing: Fast Maintenance: Medium Height/spread: 2-10m, 2-6m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low, Average Salinity: Medium (2000 ppm) Hardiness: Medium Watering Rate: Low



# SOIL

Type: sandy, loamy, clay soil Salt-Tolerance: High

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Resistant





Fabaceae, Indian Rosewood

Acacia Saligna





# **Design Description**

#### **CHARACTER**

Size: Medium Form: Oval

Color: Deep green

Foliage Type: Evergreen

Leaves: Pinnate Texture: Fine

Flowers: Creamy White

#### **BEST LOCATION**

Natural Spaces National Parks Highways Desert Environments

#### **BEST USE**

Background Linkage Shelter belt

#### **ORDER**

Group Single

#### **GENERAL INFO**

Irregular golden feature.

# **Design Description**

#### CHARACTER

Size: Medium Form: Spreading Color: Rich Green Foliage Type: Deciduous

Leaves: Pinnate Texture: Fine Flowers: Pink

#### **BEST LOCATION**

Private Gardens Highways National Parks Residential Areas Urban Areas Car Parking

#### **BEST USE**

Shade Ornamental

# **ORDER**

Single Group

#### **GENERAL INFO**

A very adaptable tree that produces a delicate display of pink pompom-like flower heads in summer.





# **GENERAL**

Origin: Australia Growing: Fast Maintenance: Medium Height/spread: 7-8m, 5-7m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low, Average Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Resistant



#### **GENERAL**

Origin: Asia Growing: Fast Maintenance: Medium Height/spread: 15-20m, 2.5-5m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



SOIL

Type: Sand, Clay, Chalky Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium





Allabakh





# **Design Description**

**CHARACTER** 

Size: Large Form: Spreading

Color: Bright Green

**Design Description** 

Foliage Type: Deciduous Leaves: Obvate Texture: Medium

Flowers: Greenish white

#### **BEST LOCATION**

Urban areas Private gardens Plazas and Squares National Psrks Residential Areas

#### **BEST USE**

Shade Ornamental

#### **ORDER**

WIND

Wind Resistance: Low

Dessification: High

Single Group

## **GENERAL INFO**

Its uses include medicines and environmental management.

#### **CHARACTER**

Size: Large Form: Irregular Oval Color: Deep Green Foliage Type: Evergreen

Alstonia scholaris

Apocynaceae, Blackboard Tree, Devil Tree

**Leaves:** Finger Shaped **Texture:** Coarse Flowers: Green white

#### **BEST LOCATION**

Natural spaces Highways National Parks

#### **BEST USE**

Shade Ornamental Screen

# **ORDER**

Single Group

#### **GENERAL INFO**

All parts of the tree can be considered poisonous if ingested. It's preferable to not be planted in reachable public places.



#### **GENERAL**

Origin: Tropical Asia Growing: Moderate Maintenance: Medium Height/spread: 12-30m,8-12m Propagation: Seed



#### WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

## LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 



Technical Description



**GENERAL** 

Origin: Asia

Growing: Fast

Maintenance: Medium

Propagation: Seed

Height/spread: 18-24m, 3m

WATER

Drought Resistance: Medium

Irrigation: Medium

Watering Rate: Medium

Salinity: Medium

Hardiness: High

SOIL

LIGHT

Type: fertile, loamy

Salt-Tolerance: Medium

Light Requirement: High







# **Design Description**

Mangrove

#### **CHARACTER**

Size: Medium Form: Rouund Color: Dark Green

Foliage Type: Evergreen Leaves: Elliptical **Texture:** Coarse

# Flowers: Golden Yellow

**BEST LOCATION** 

Coastal Areas

**BEST USE** environmental

#### **ORDER**

Single Group

#### **GENERAL INFO**

Coastal trees that are known for a root structure above and below water.

# **Design Description**

Meliaceae, Neem

Azadirachta indica

# **CHARACTER**

Size: Large

Form: Spreading Crown Color: Light Green

Foliage Type: Dark Green

Leaves: Subulate Texture: Medium

Flowers: white, Pale Yellow

#### **BEST LOCATION**

National Parks Residential Areas Urban Areas Private Gardens Car Parking Sidewalks

#### **BEST USE**

Highways

Background Shade Road Street

Soil stabilization

#### **ORDER**

Group

#### **GENERAL INFO**

A fast-growing hardy tree that does best in seasonal climate with long dry seasons.



# **GENERAL**

Origin: Asia Growing: Fast Maintenance: Medium Height/spread: 18-24m, 3m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: No Irrigation Salinity: Medium Hardiness: High Watering Rate: No watering



# SOIL

Type: Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: High



**GENERAL** 

Origin: India Growing: Fast Maintenance: Medium Height/spread: 6-15m, 10m Propagation: Seed, Cutting



WATER

Drought Resistance: High Irrigation: Low, Average Salinity: Medium (2000 ppm) Hardiness: Medium Watering Rate: Low



SOIL

Type: Sandy, Loam Salt-Tolerance: High

## LIGHT



WIND

Wind Resistance: High Dessification: High



Light Requirement: High





Bambusa ventricosa

Albambu 'Aw Alkhayzaran



WATER

Drought Resistance: Medium

Irrigation: Medium

Watering Rate: High

Salinity: Low

Hardiness: High

# **Design Description**

#### **CHARACTER**

Size: Large Form: Upright Color: Bright green

Foliage Type: Evergreen

Leaves: Linear Texture: Coarse Flowers: Green

#### **BEST LOCATION**

Natural Spaces National Parks Coastal Areas

#### **BEST USE**

Screen Bonsai Espalier Container

# **ORDER**

Group

# **GENERAL INFO**

Bambusa ventricosa is a species of clumping bamboo widely used for the bulbous and ornamental culms and often used as bonsai. The stem of the bamboo grows with short fattened culms which gives the name of the plant.



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Medium

# Bauhinia variegata

Fabaceae, Orchid Tree

### **Design Description**

#### **CHARACTER**

Size: Large

Form: Broad bushy crown Color: Medium Green

Foliage Type: Medium Green

Leaves: Reniform Texture: Medium Flowers: pink, Purple

#### **BEST LOCATION**

Urban Areas Residential Areas National Parks Private Gardens

#### **BEST USE**

Background Shelterbelt

# **ORDER**

Single

#### **GENERAL INFO**

Orchid tree is a diverse and widespread family of flowering plants, with blooms that are often colorful and fragrant.





# **GENERAL**

Origin: China Growing: Slow Maintenance: Average Height/spread: 10-12m, 3-6m Propagation: Seed



# WATER

Drought Resistance: low Irrigation: low , Average Salinity: low Hardiness: Medium Watering Rate: Medium



#### SOIL

Type: Loam, Sand Salt-Tolerance: Drought

### LIGHT

Light Requirement: Medium





Wind Resistance: Good Dessification: Medium



**GENERAL** 

Origin: China

Growing: Fast

Maintenance: Average

Propagation: Division

Height/spread: 8-15m, 1.5-3m

**Technical Description** 

TREES



Bucida buceras

**GENERAL** 

Height/spread: 15-23m,8-10m Propagation: Cutting, Seed



Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low, Average



SOIL Type: Clay, Loam, Sand Salt-Tolerance: High LIGHT

Light Requirement: Medium



WIND Wind Resistance: High Dessification: Medium



Budrat Aleifrit

#### **CHARACTER**

Size: Large Form: Oval Color: Light Green

Foliage Type: Evergreen

Leaves: Lanceolate Texture: Medium

Flowers: Creamy White, Pink

#### **BEST LOCATION**

Nationl Parks Sidewalks Residential Areas

#### **BEST USE**

Shade Screening Windbreaking

#### **ORDER** Group

#### **GENERAL INFO**

An interesting species to be used as shading plants where it rains a little.

# **Design Description**

#### **CHARACTER**

Size: Medium Form: Oval

Color: Grey Green

Foliage Type: Type: Evergreen

Leaves: Subulate Texture: Medium Flowers: Yellow

#### **BEST LOCATION**

Highway National Parks Urban Areas

#### **BEST USE**

Shade Windbreaks Ornamental Screening

# **ORDER**

Single

# **GENERAL INFO**

An ideal tree for windbreaking which is also highly valued for its wood.





**GENERAL** 

Origin: Tropical Asia Growing: Moderate Maintenance: Low Height/spread: 12-16m ,3-5m Propagation: Seed



WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Medium



SOIL

Type: Clay ,Loam , Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



Technical Description



TREES

# Myrtaceae, Weeping Bottle Brush



#### **CHARACTER**

Size: Medium,Interm Form: Weeping Color: Light Green Foliage Type: Evergreen

Leaves: Pinnate Texture: Fine Flowers: Bright Red

#### **BEST LOCATION**

Private Gardens Nationl Parks Urban Areas Residential Areas

#### **BEST USE**

Beds And Borders Side Borders Ornamental

#### **ORDER**

Group Single

#### **GENERAL INFO**

The flower give way to woody fruit capsules which release their Seed annually. Weeping Bottlebrush is useful as a screen plant, in erosion control or as a specimen or street tree.

### **Design Description**

#### **CHARACTER**

Size: Medium Form: Spreading Color: Deep Green Foliage Type: Deciduous,

Cassia fistula

**Design Description** 

Fabaceae, Golden Shower

Evergreen Leaves: Pinnate Texture: Medium Flowers: Yellow

#### **BEST LOCATION**

Sidewalks Plazas and Sqaures National Parks Urban Areas

#### **BEST USE**

Sidewalks for shading Parking lot islands

## **ORDER**

Single Group

## **GENERAL INFO**

The Seed contained within are poisonous, so prohibited in residential areas. It can also tolerate strong winds but not maritime exposure.





# **GENERAL**

Origin: Australia Growing: Slow Maintenance: Low Height/spread: 5-10m, 3-4.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low, Average Salinity: Medium (2500 Ppm) Hardiness: High Watering Rate: Low, Average



SOIL

Type: Clay,Loam,Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



**GENERAL** 

Origin: South East Asia Growing: Fast Maintenance: Low Height/spread: 9-15m, 6m Propagation: Seed



WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: Medium





TREES



#### **CHARACTER**

Size: Medium

Form: Spreading Crown

Color: Grey Green

Foliage Type: Deciduous

Leaves: Elliptica, Obiong

Texture: Fine Flowers: Pink

#### **BEST LOCATION**

National Parks

Highways Urban Areas

Plazas and Sqaures Car Parking

#### **BEST USE**

Shade

Ornamental Unifier Emphasizer

#### **ORDER**

Single Group

#### **GENERAL INFO**

A many branched spreading pale pink tree, that has distinguish character " A tree that is highly valued for pinkish flower display "

#### **CHARACTER**

Size: Small

Form: Round

Color: Medium Green

**Design Description** 

Cassia surattensis (Cassia Glauca)

**Fabaceae**, Sun Shine Tree

Foliage Type: Evergreen

**Leaves:** Compound Texture: Fine

Flowers: Yellow

#### **BEST LOCATION**

Plazas and Squares

Urban Areas

Roadside National Parks

Sidewalks

#### **BEST USE**

Specimen

Container Ornamental

Hedges Emphasizer

# **ORDER**

Single Group

#### **GENERAL INFO**

A yellow flowering tree that gives masses of Bright gold flowers clusters.





# **GENERAL**

Origin: Asia, South Eastern Growing: Fast Maintenance: Medium Height/spread: 5-10m, 5-12m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: High



# SOIL

Type: Moist, Well Drained Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium



**GENERAL** 

Origin: India, South Eastern Growing: Fast Maintenance: High Height/spread: 3-4m,2-3m Propagation: Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Load , Sand Salt-Tolerance: Medium

### LIGHT



WIND

Wind Resistance: Medium Dessification: Medium



Light Requirement: High





Coastal Areas

Urban Areas

Hedge Soil Stabilization

**Design Description** 

Form: Irregular Columnar

Foliage Type: Evergreen

**CHARACTER** 

Color: Gray Green

Flowers: Brownish

**BEST LOCATION** Urban Parks

Leaves: Linear

Texture: Fine

Size: Large

**ORDER** 

screening

Single Group

**GENERAL INFO** 

Casaurina Cunninghamiana is listed as an ecologically beneficial species. It can tolerate water-logged sites but is not suitable for dry sites.



# **Design Description**

#### **CHARACTER**

Size: Medium Form: Round Color: Medium Green Foliage Type: Evergreen

Ceratonia siliqua

Fabaceae, Carob Tree

Leaves: Elliptical Texture: Medium Flowers: Red

#### **BEST LOCATION**

Urban Parks Urban Areas

#### **BEST USE**

Shade Hedge Shelterbelt Edible

**ORDER** 

Single

# **GENERAL INFO**

Its aggressive roots may destroy the pavements so not suitable for plazas and driveways. It has litter issues that require maintenance because of its dry fruits.





# **GENERAL**

Origin: Australia Growing: Fast Maintenance: Low Height/spread: 12-20m, 6-10m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High (Vulnerable)



**GENERAL** 

Origin: Eastern Mediterranean Region Growing: Moderate Maintenance: Medium Height/spread: 8-15m, 5-8m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Low (Resistant)



Technical Description





**Technical Description** 

TREES

**Technical Description** 

Bignoniaceae, Desert Willow



# **Design Description**

#### **CHARACTER**

Size: Small

Form: Open Round

Color: Dark Green

Foliage Type: Deciduous Leaves: Linear

Texture: Fine Flowers: Pink

#### **BEST LOCATION**

Urban Parks Private Gardens Sidewalks

#### **BEST USE**

Urban Areas

Ornamental Wildlife Cover Road Sides

#### **ORDER**

Single

# **GENERAL INFO**

It's likely to be intolerant of wet conditions especially in the



#### **CHARACTER**

Size: Large Form: Round

Color: Dark Green

Foliage Type: Deciduous Leaves: Elliptical

**Design Description** 

Chorisia speciosa

Malvaceae, Floss Silk Tree

**Texture:** Coarse Flowers: Pink And White

#### **BEST LOCATION**

Urban Areas Urban Parks Coastal Areas

#### **BEST USE**

Ornamental Shade Specimen

Emphasizer Landmark

#### **ORDER**

Single Group

#### **GENERAL INFO**

Large roots often form at the base of the trunk just beneath the soil, so be careful not to plant the tree too close to sidewalks or pavement.





# **GENERAL**

Origin: South West, united states Growing: Slow Maintenance: Low Height/spread: 4.5-9m, 3-6m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Low (Resistant)



#### **GENERAL**

Origin: South America Growing: Fast Maintenance: Low Height/spread: 15-30m, 10-Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium





Rutaceae, Lemon





# **Design Description**

#### **CHARACTER**

Size: Medium Form: Round Color: Green

Foliage Type: Evergreen

Leaves: Ovate Texture: Fine Flowers: White

#### **BEST LOCATION**

Urban Parks Private Gardens Plazas and Squares

#### **BEST USE**

Ornamental Container Edible

# ORDER

Single Group

#### **GENERAL INFO**

It's usually preferred in private gardens and patios because of its fragrant white flowers &



#### **GENERAL**

Origin: Asia Growing: Moderate Maintenance: Medium Height/spread: 5-8m ,3-5m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Low Hardiness: High Watering Rate: Medium



# **SOIL**

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: Medium

# Codiaeum variegatum

Euphorbiaceae, Garden Croton

### **Design Description**

#### **CHARACTER**

Size: Small Form: Oval Color: Green, Yellow Foliage Type: Evergreen

Leaves: Ovate **Texture**: Leathery Flowers: Green, Yellow

#### **BEST LOCATION**

Plazas and Squares Private Gardens Sidewalks Urban Parks

#### **BEST USE**

Screen Hedge Container

# **ORDER**

Group

#### **GENERAL INFO**

Only few shrubs are available with such a great variety of beautiful leaf colors and shape as Croton. From ribbon-like strands to long, broad leaves, Color patterns range from multicolored spots to irregular color patches or solid-colored leaves with contrasting veins.





# **GENERAL**

Origin: India Ceylon Growing: Slow Maintenance: Average Height/spread: 0.5m-2.5m, Propagation: Cutting, Layering



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Low



WIND

Wind Resistance: Low Dessification: Medium





Conocarpus erectus

Combretaceae, Button Mangrove





#### **CHARACTER**

Size: Large Form: Spreading Color: Bright Green

Foliage Type: Evergreen

Leaves: Oblong Texture: Fine

Flowers: Greenish white

#### **BEST LOCATION**

Natural Spaces

#### **BEST USE**

Clipped Hedge Windbreak Screen

#### **ORDER**

Single Group

#### **GENERAL INFO**

Due to the high tolerance of heat, it is used a lot in as hedge, street tree or windbreak. Avoidable near building edges due to its long roots.

### **Design Description**

Aldamas

#### **CHARACTER**

Size: Medium

Form: Irregular Round

**Design Description** 

Cordia sebestena

**Boraginaceae**, Geiger Tree

Color: Green

Foliage Type: Evergreen

Leaves: Cordate **Texture:** Coarse Flowers: Orange

#### **BEST LOCATION**

Urban Areas Coastal Areas Roadside Urban Parks

Residential Areas

#### **BEST USE**

Shade. Screen Specimen Ornamental

# **ORDER**

Single Group

#### **GENERAL INFO**

Cordia Sebestena can be Evergreen or deciduous depending on the climate.the fruit has medical uses and the timber is used locally.





# **GENERAL**

Africa Growing: Fast Maintenance: Medium Height/spread: 15-20m, 6-8m Propagation: Cutting, Seed



# WATER

Origin: Tropical America, West Drought Resistance: High Irrigation: Medium Salinity: Very high (30000 Hardiness: (-3 °C) Watering Rate: Medium



#### SOIL

Type: Clay, Sand, and Loam Salt-Tolerance: High

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Low



# **GENERAL**

Origin: Southern America Growing: Slow Maintenance: Low Height/spread: 6-8m, 2-3m Propagation: Seed



# WATER

Drought Resistance: Low Irrigation: High Salinity: Medium Hardiness: High Watering Rate: High



SOIL

Type: Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Resistant





**Technical Description** 

TREES

TREES

Sarw Fadiy



# **Design Description**

#### **CHARACTER**

Size: Large Form: Columnar Color: Bright Green

Foliage Type: Evergreen Leaves: Bipinnate Texture: Fine Flowers: Golden Yellow

#### **BEST LOCATION**

Private Gardens Residential Areas Coastal Areas

#### **BEST USE**

Hedges Screens. Costal Gardens Emphasizer

## **ORDER**

Single Group

#### **GENERAL INFO**

Cupressus Macrocarpa plants are known as the gold crest or golden crest and lemon cypress,a name given to them due to th strong lemon scent that comes from their branches.



#### SOIL

WATER

Irrigation: Low

Salinity: High

Hardiness: High

Drought Resistance: Medium

Watering Rate: Low, Average

Type: Chalk,Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Resistant

# Cupressus sempervirens

**Cupressaceae**, Mediterranean Cypress

#### **Design Description**

#### CHARACTER

Size: Medium Form: Columnar Color: Blueish Green Foliage Type: Evergreen Leaves: Bipinnate Texture: Medium Flowers: Green Gray

#### **BEST LOCATION**

Public Parks Costal Gardens Residential Areas

#### **BEST USE**

Specimen Accent Mass Planting Container

#### **ORDER**

Single Group

#### **GENERAL INFO**

Architectural & Long Lives Columnar tree that forms a landscape handsome exclamation point in the landscape design.



# **GENERAL**

Origin: Eastern Mediterranean Growing: Moderate Maintenance: Low Height/spread: 10-15m, 2-4m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: Medium Watering Rate: Medium



SOIL

Type: Loam , Sand ,Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium





**GENERAL** 

Origin: California (Usa)

Height/spread: 20m, 3-9m

Propagation: Cutting, Seed

Growing: Moderate

Maintenance: Low





**Design Description** 

**CHARACTER** 

Form: Spreading

Color: Light Green

Leaves: Pinnate

Texture: Medium

**BEST LOCATION** Urban Areas

Urban Parks

**BEST USE** 

Screen

Shade

**ORDER** 

Single

Group

**GENERAL INFO** 

A fast-growing deciduous tree

with long pinnate leaves.

Foliage Type: Deciduous

Flowers: White, Cream

Size: Large





WATER Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



Type: Clay, Loam, Sand Salt-Tolerance: Low



Light Requirement: High



WIND Wind Resistance: Medium Dessification: Resistant



Delonix regia

Fabaceae, Flame Tree

# **Design Description**

**CHARACTER** Size: Large Form: Spreading Color: Bright Green

Foliage Type: Deciduous Leaves: Pinnate Texture: Medium Flowers: Dark Red

#### **BEST LOCATION**

Sidewalks Private gardens Urban parks Urban Areas Car Parking Roadside

#### **BEST USE**

Ornamental Shade

#### **ORDER** Single

## **GENERAL INFO**

Grown as an ornamental tree and used as a shade tree. Remarkably highlights the change of seasons.





**GENERAL** 

Origin: Madagascar Growing: Fast Maintenance: Medium Height/spread: 12-15m,10-16m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Medium Watering Rate: High



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low



Light Requirement: High



WIND

Wind Resistance: Low Dessification: Vulnerable







Elaeagnaceae, Russian Olive

Zizfun

Erythrina indica

Size: Medium Form: Spreading

Color: Light Green Foliage Type: Deciduous

**Design Description** 

Leaves: Linear Texture: Fine

Flowers: Silver-Bright Yellow

#### **BEST LOCATION**

Urban Parks Urban Areas Highways Natural Spaces

#### **BEST USE**

Ornamental Windbreak Shelter Belt Hedges

# **ORDER**

Single Group

# **GENERAL INFO**

Plants has spines or sharp edges, so extreme caution must be taken while handling. Advised to be surrounded by a softer edge in gardens.



#### **CHARACTER**

Size: Medium Form: Irrigular Oval Color: Bright Green Foliage Type: Deciduous Leaves: Cordate

Texture: Medium Flowers: Brick Red

#### **BEST LOCATION**

Urban Areas Residential Areas Coastal Areas Urban Parks

#### **BEST USE**

Background Ornamental Linkage Emphasizer

# **ORDER**

Single

## **GENERAL INFO**

Seed and plants parts are poisonous if ingested.





# **GENERAL**

Origin: North America Growing: Fast Maintenance: Medium Height/spread: 6-9m, 4.7-6m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Sand, Loam, Clay Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



# **GENERAL**

Origin: Eastern Africa, Northern Australia Growing: Fast Maintenance: Medium Height/spread: 12m, 10m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



Technical Description





**Technical Description** 

TREES

Eucalyptus citriodora

Myrtaceae, Lemon-Scented Gum



# **Design Description**

#### **CHARACTER**

Size: Large Form: Upright Crown

Color: Golden Green Foliage Type: Evergreen

Leaves: Oblong Texture: Medium Flowers: White

#### **BEST LOCATION**

Natural Spaces Highways Wild Areas Urban Parks

#### **BEST USE**

Shade Shelterbelt Screen

#### **ORDER**

Group

# **GENERAL INFO**

A tree that is almost known for its oblong leaves which yields a lemon-scented oil and favored in perfumery preferable to plant in deep groundwater areas.

#### **CHARACTER**

Size: Large Form: Upright Color: Blue-Green Foliage Type: Evergreen Leaves: Lanceolate Texture: Medium Flowers: White

**Design Description** 

Eucalyptus globulus

Myrtaceae, Tasmanian Blue Gum

#### **BEST LOCATION**

Plazas and Squares Urban Areas Natural spaces

#### **BEST USE**

Shade Windbreak Specimen

# **ORDER**

Single

# **GENERAL INFO**

This large Blue gum tree is Used for its essential oil which is extracted from its leaves. Use in landscape with a special care as it can act invasive.



# **GENERAL**

Origin: Australia Growing: Fast Maintenance: Low Height/spread: 25m, 5m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: High

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium



# **GENERAL**

Origin: Australis Growing: Fast Maintenance: low Height/spread: over 23m, over

Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: High Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



Euphorbia cotinifolia

Euphorbiaceae, Caribbean Copper Plant



Size: Small Form: Rounded Color: Red, Burgundy

Foliage Type: Evergreen Leaves: Elliptical

Flowers: Cream, Tan, White



Texture: Smooth

Plazas and Squares Urban Areas Private Gardens Urban Parks

#### **BEST USE**

Container Screen Hedge

#### **ORDER**

Single Group

## **GENERAL INFO**

Euphorbia cotinifolia has colorful leaves. Although this plant is Evergreen in mild climates, it loses its leaves if the temperature drops below 35 degrees Fahrenheit and frost could damage the plant.





# **GENERAL**

Origin: Mexico to South America Growing: Moderate Maintenance: Low Height/spread: 3-6m/ 1-2.4m Propagation: Stem Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Low

Ficus benghalensis

Moraceae, Banyan Tree

# **Design Description**

#### **CHARACTER**

Size: Large Form: Spreading Color: Deep Green Foliage Type: Evergreen Leaves: Pinnate

Texture: Medium Flowers: White

#### **BEST LOCATION**

Urban Parks Urban Areas

#### **BEST USE**

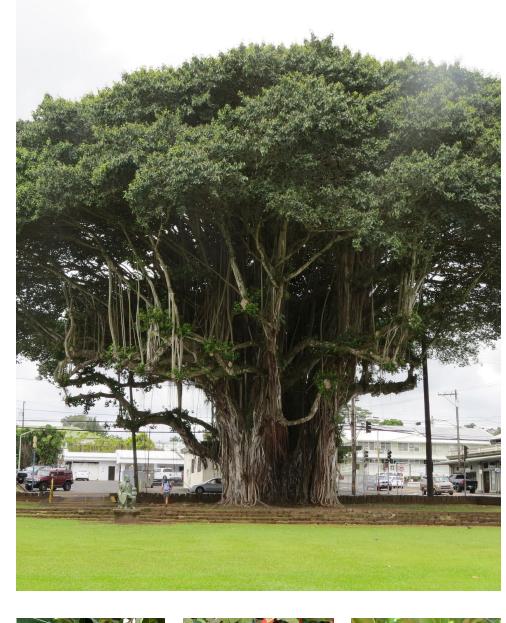
Shade Hedges Screen

### **ORDER**

Single

#### **GENERAL INFO**

Their welcoming shade has made them an important gathering places.





#### **GENERAL**

Origin: South Asia, India Growing: Fast Maintenance: Low Height/spread: 20m, 15-30m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low, Average



#### SOIL

Type: Fertile with holes Salt-Tolerance: High

## LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Medium





Ficus elastica

**Design Description** 

Ficus benjamina Moraceae, Weeping Fig

TREES



Alatiyn Almutahadil

#### **CHARACTER**

Size: Large

Form: Weeping Round

Color: Dull Green Foliage Type: Evergreen

**Leaves:** Oblong , Elliptical Texture: Medium

Flowers: Orange, Purple, Red

#### **BEST LOCATION**

Coastal Areas Urban Parks Urban Areas Residential Areas Car Parking

#### **BEST USE**

Background Mass Plant Shelter Belt Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

A very popular plant because of its attractive appearance and tolerance of poor growing conditions.

#### Size: Large

Form: Round Color: Green

**CHARACTER** 

Foliage Type: Evergreen

Leaves: Oval Texture: Fine Flowers: White

#### **BEST LOCATION**

Highways Urban Areas Urban Parks Sidewalks

#### **BEST USE**

Specimen Shade Wildlife

#### **ORDER**

Single Group

#### **GENERAL INFO**

Rubber tree is a large Evergreen tree with glossy leaves and spreading irregular canopy. ts coarse texture makes a strong statement in the landscape





## **GENERAL**

Origin: Northern Australia-Tropical Asia Growing: Moderate Maintenance: Low Height/spread: 20m, 15m Propagation: Cutting, Seed



## WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: Low Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: Low Dessification: Medium



#### **GENERAL**

Origin: Southeastern Asia, India, Nepal Growing: Fast Maintenance: Medium Height/spread: 15-23m, 10-15m Propagation: Cutting



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High







**Technical Description** 







#### **Design Description**

#### **CHARACTER**

Size: Large Form: Round Color:Green

Foliage Type: Evergreen

Leaves: Aristate Texture: Course Flowers: White, Cream

#### **BEST LOCATION**

Plazas and Sqaures Urban Areas Sidewalks Urban Parks Private Gardens Car Parking

#### **BEST USE**

Shade hedges Screen

#### **ORDER**

Single Group

#### **GENERAL INFO**

A Smooth light grey trunks and protruding roots that acts well as hedges and screens.

#### CHARACTER

Size: Small Form: Round Color: Dark Green Foliage Type: Evergreen Leaves: Aristate **Texture:** Course Flowers: Green, Purple

**Design Description** 

Ficus retusa cv. panda

Moraceae, Cuban Laurel

#### **BEST LOCATION**

Residential Areas Urban Areas Sidewalks Private Gardens

#### **BEST USE**

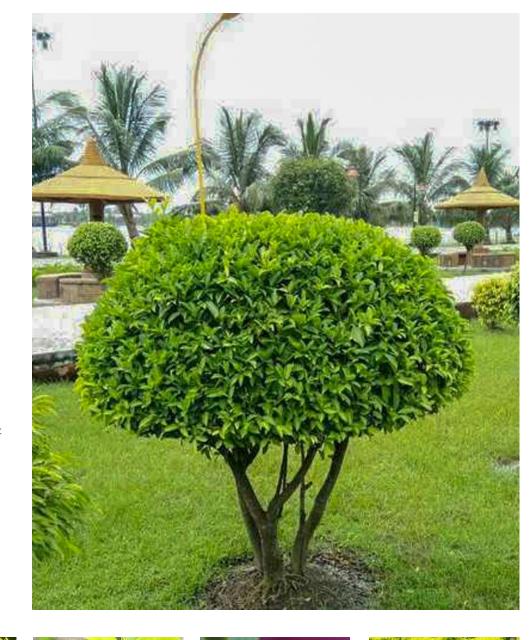
Hedges Ornamental

# **ORDER**

Single

#### **GENERAL INFO**

A yellow colored bushy plant with a bowl shape that provides a highly attractive look.



#### **GENERAL**

Origin: Japan, China, Malaysia, Australia Growing: Moderate Maintenance: Low Height/spread: 25m, 30m Propagation: Cutting



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: High



#### SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: High Dessification: Low



## **GENERAL**

Origin: South Eastern Asia Growing: Fast Maintenance: Medium Height/spread: 0.5-1m, 0.5-0.8m Propagation: Cutting



## WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Medium Watering Rate: Medium



## SOIL

Type: Clay, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Low



WIND

Wind Resistance: Low Dessification: Medium

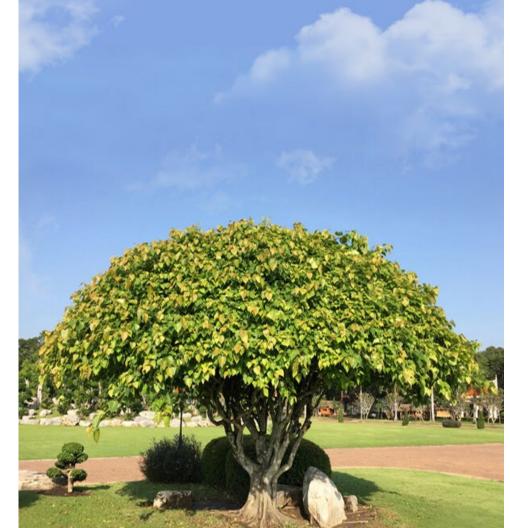




Moraceae, Bo Tree, Sacred Tree

Fikas Abu Lisan

TREES



#### **Design Description**

#### **CHARACTER**

Size: Large

Form: Spreading ,Round

Color: Green

Foliage Type: Evergreen

Leaves: Elliptical **Texture**: Coarse Flowers: Purple

#### **BEST LOCATION**

Natural Spaces Plazas and Sqaures Urban Areas Urban Parks

#### **BEST USE**

Ornamental Shade

## **ORDER**

Single Group

#### **GENERAL INFO**

A Tree that has a unique – looking leaves and their magnificent pattern that will add a spiritual vibe to the space.

#### **Design Description**

#### CHARACTER

Size: Large

Form: Weeping, Irregular

Color: Dull Green

Foliage Type: Deciduous

Leaves: Ellipsoid Texture: Fine Flowers: Purple

#### **BEST LOCATION**

Natural Areas Plazas and Squares Urban Areas Urban Parks

#### **BEST USE**

Ornamental Shade

#### **ORDER**

Single

#### **GENERAL INFO**

Known for having beautiful new leaves which gives an outstanding shade of reddish pink and are very pleasing to the eye.



## **GENERAL**

Origin: Himalayas, S.W China N.Thiland, vietnam Growing: Fast Maintenance: Low Height/spread: 15-30m, 3-5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: High



#### SOIL

Type: Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Low



WIND

Wind Resistance: Medium Dessification: Medium



#### **GENERAL**

Origin: India , Singapore Growing: Moderate Maintenance: Low Height/spread: 17-12m, 5-7m Propagation: Cutting, Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Moist, Sand Salt-Tolerance: High

#### LIGHT



#### WIND

Wind Resistance: Medium Dessification: High



Light Requirement: High



Technical Description



# **Design Description**

#### **CHARACTER**

Size: Large Form: Round

Color: Dark Green Foliage Type: Evergreen

Leaves: Cordate

#### **BEST LOCATION**

Coastal Areas Private Parks Urban Parks Urban Areas

Screen Hedge Shelterbelt Edible

#### **ORDER**

as it tolerates salinity and waterlogging. It cannot grow in the shaded areas.



Flowers: Yellow, Orange

Roadside

#### **BEST USE**

Ornamental

Single Group

#### **GENERAL INFO**

Suited to coastal environments



#### **GENERAL**

Origin: Southeast Asia Growing: Fast Maintenance: Low Height/spread: 5-8m, 5-8m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: High (Vulnerable)



**Design Description** 

Jacaranda mimosifolia

**Bignoniaceae**, Blue Jacaranda

Color: Dark Green Foliage Type: Deciduous Leaves: Odd Pinnate Texture: Fine

**CHARACTER** 

Flowers: Lavender To Violet

#### **BEST LOCATION**

Purple

Private Gardens **Urban Spaces** Urban Parks Sidewalks

#### **BEST USE**

Shade Ornamental Feature Tree Specimen

## **ORDER**

Single

#### **GENERAL INFO**

The light, shade makes jacaranda well-suited for cooling courtyards and gardens, but it should not be used near pools as their leaves and flowers can create piles of debris.



#### **GENERAL**

Origin: South America Growing: Fast Maintenance: Medium Height/spread: 8-15m, 15-25m Propagation: Cutting, Seed



#### WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: Medium Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High (Vulnerable)



**Technical Description** 

TREES



**Design Description** 

**CHARACTER** 

Size: Large

Form: Round

Color: Deep Green

Natural Spaces Highways Urban Areas Urban Parks Private Gardens

#### **BEST USE**

Shade Ornamental Land Mark

# **ORDER**

Single Group

#### **GENERAL INFO**

It is not recommended for planting close to buildings or in public areas due to its strong roots, which can damage foundations.

# **Design Description**

Kigelia pinnata

Bignoniaceae, African Sausage Tree

#### **CHARACTER**

Size: Large Form: Spreading Color: Yellow Green Foliage Type: Evergreen

Leaves: Oval Texture: Medium Flowers: Dark Red

#### **BEST LOCATION**

Natural Spaces Highways Desert Environments

#### **BEST USE**

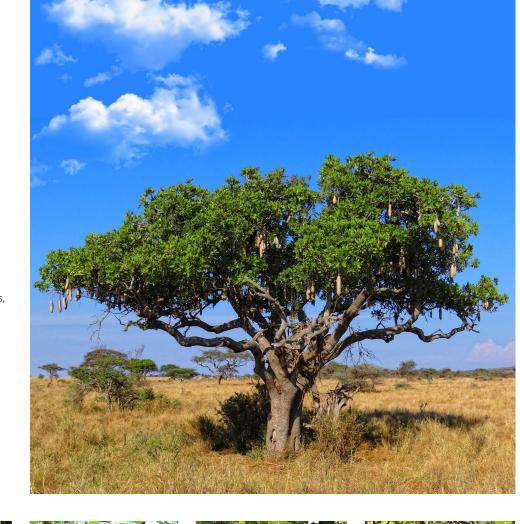
Shade Ornamental Feature Tree

# **ORDER**

Single

#### **GENERAL INFO**

This tree has dark red flowers, with an unpleasant scent, that becomes huge, brown, sausage-like fruits, making it ideal in tropical gardens and avoidable in urban spaces.



#### **GENERAL**

Origin: West Africa Growing: Fast Maintenance: Medium Height/spread: 15-30m, 10m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



#### WIND

Wind Resistance: Medium Dessification: Medium



#### **GENERAL**

Origin: Africa Growing: Moderate Maintenance: Medium Height/spread: 8-20m, 10-15m Propagation: Cutting, Seed



#### WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High (vulnerable)



**Technical Description** 

TREES

Lwsina

# **Technical Description**

TREES



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

# LIGHT

Light Requirement: High



Lijisturumia

#### **CHARACTER**

Size: Medium Form: Vase

Color: Medium Green Foliage Type: Deciduous

Leaves: Ellipsoid Texture: Medium

Flowers: Red, Purple, White,

#### **BEST LOCATION**

Natural Spaces Plazas and Sqaures Sidewalks Urban Parks Coastal Areas Private Gardens

#### **BEST USE**

Shade Ornamental Container Hedge

#### **ORDER**

Single Group

#### **GENERAL INFO**

It is highly favorable in urban and suburban areas because of its long period of flowering and good drought-tolerance.



#### WIND

Wind Resistance: High Dessification: Low (Resistant)



Leucaena leucocephala

#### **BEST LOCATION**

Flowers: Creamy

**CHARACTER** 

Size: Large

Form: Round

Texture: Fine

Color: Dark Green

Leaves: Even Pinnate

Natural Areas Urban Parks

#### **BEST USE**

Shade Shelter Belt Ornamental Erosion Control

#### **ORDER**

Single Group

#### **GENERAL INFO**

It cannot grow in the shade. It can tolerate high drought and maritime exposure.





#### **GENERAL**

Origin: Southern America Growing: Fast Maintenance: Medium Height/spread: 5-18m, 3-8m Propagation: Seed



#### WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



#### WIND

Wind Resistance: High Dessification: Medium





# Single

Group

# **GENERAL INFO**

Ideal for desert landscapes.

#### **Design Description**

Size: Large Form: Vase Form: Spreading

Color: Dull Green

Foliage type: Evergreen Leaves: Even Pinnate

Texture: Fine

Flowers: Golden Yellow

#### **BEST LOCATION**

**Desert Environments** Highways

#### **BEST USE**

Tree Belt Feature tree Border

# **ORDER**

# **CHARACTER**

Size: Medium Form: Irregular

Color: Gray Green Foliage Type: Evergreen

**CHARACTER** 

**Leaves:** Elliptical - Lanceolate Texture: Fine

**Design Description** 

Melaleuca quinquenervia

Myrtaceae, Cajeput Oil Tree

Flowers: Creamy white

#### **BEST LOCATION**

Urban Areas Highways Urban Parks Coastal areas

#### **BEST USE**

Shade Ornamental

# **ORDER**

Single Group

# **GENERAL INFO**

An essential oil obtained from the tree is used in medicine.





#### **GENERAL**

Origin: East Africa, Arabic Peninsula. Growing: Fast Maintenance: Average Height/spread: 8-15m, 5-8m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low Water Salinity: High Hardiness: High Watering Rate: Low



# SOIL

Type: Light-sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Good Dessification: High



## **GENERAL**

Origin: Australia, Thailand, Singapore Growing: Fast Maintenance: Low Height/spread: 7.5-12m, 5-10m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: Medium Watering Rate: Medium



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 







**GENERAL** 

Growing: Fast

Origin: Southwest Asia

Maintenance: Medium

Height/spread: 6-20m, 8-10m

Propagation: Cutting, Seed

Meliaceae, China Berry

Zanzalakht



#### **Design Description**

#### **CHARACTER**

Size: Large Form: Spreading Color: Deep Green

Foliage Type: Deciduous

Leaves: Aristate Texture: Medium Flowers: Pink to Lilac

#### **BEST LOCATION**

Urban Parks Urban Areas Natural Spaces Residential Areas

#### **BEST USE**

Shade Back ground Specimen Linkage

# **ORDER**

Single Group

#### **GENERAL INFO**

Lilac flowers with a sweet fragrance appear in spring and early summer. The leaves repel insects.



## SOIL

WATER

Drought Resistance: High

Irrigation: Medium

Salinity: Medium

Hardiness: High

Watering Rate: Low

Type: Silt, Sand, Loam, Clay, Chalk Salt-Tolerance: High

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Vulnerable



# Fabaceae, Indian Beech

#### **Design Description**

#### **CHARACTER**

Size: Large

Form: Spreading-Weeping

Color: Dark Green

Foliage Type: Semi-Evergreen

Leaves: Aristate Texture: Coarse Flowers: Pale Pink

#### **BEST LOCATION**

Urban Parks Coastal Areas Sidewalks Car Parking

#### **BEST USE**

Background Linkage Emphasizer Screen

# **ORDER**

Single Group

#### **GENERAL INFO**

This tree seems to adapt to any condition, but looks best if planted in deep, well-drained soil. Purning is required to lead the plant from a shrub into a





## **GENERAL**

Origin: Eastern and tropical Asia Growing: Fast Maintenance: Medium Height/spread: 8-25m, 8-25m Propagation: Cutting, Seed



## WATER

Drought Resistance: High Irrigation: High Salinity: High Hardiness: High Watering Rate: High



#### SOIL

Type: Sand, Rocky Salt-Tolerance: High

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Vulnerable





#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Spreading Color: Dark Green

Foliage Type: Deciduous

Leaves: Lobed Texture: Fine

Flowers: Light Green, Pale

#### **BEST LOCATION**

Urban Parks Urban Areas Coastal Areas Roadside Car Parking

#### **BEST USE**

Ornamental Linkage Feature Tree

#### **ORDER**

Single Group

#### **GENERAL INFO**

Leaves very variable, ovate or broadly ovate, distichous, lobed, dentate. Flowers Greenish, Male flowers in a raceme with lax flowers,. Female flowers in a long or short spike.



#### **GENERAL**

Origin: Eastern Asia Growing: Fast Maintenance: Low Height/spread: 10-18m, 6-15m Propagation: Cutting, Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: Vulnerable



Myrtaceae, Greek Myrtle

#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Round Color: Dark Green Foliage Type: Evergreen Leaves: Lanceolate Texture: Medium Flowers: White

#### **BEST LOCATION**

Sidewalks Urban Areas Plazas and Sqaures Urban Parks

#### **BEST USE**

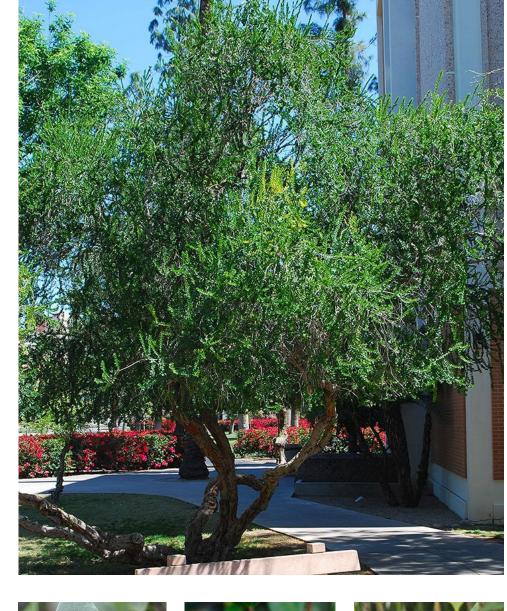
Screen Shelterbelt Specimen Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

Leaves very variable, ovate or broadly ovate, distichous,lobed, dentate... Flowers Greenish, Male flowers in a raceme with lax flowers,. Female flowers in a long or short spike.



#### **GENERAL**

Origin: South west Asia (Mediterranean) Growing: Fast Maintenance: Medium Height/spread: 10-18m, 6-15m Propagation: Cutting



## WATER

Drought Resistance: High Irrigation: High Salinity: Medium Hardiness: High Watering Rate: Medium



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

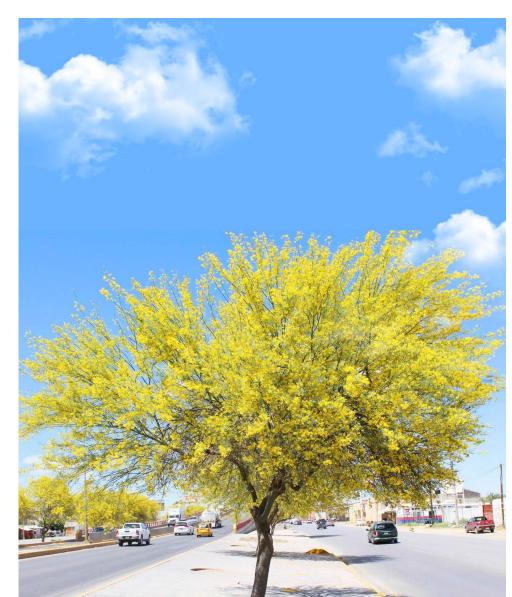
Wind Resistance: Medium Dessification: Vulnerable





Peltophorum pterocarpum

TREES



#### **Design Description**

Barkinsoniah, Saysaban

#### **CHARACTER**

Size: Small Form: Spreading Color: Dark Green Foliage Type: Evergreen Leaves: Lanceolate

Texture: Fine Flowers: White

#### **BEST LOCATION**

Sidewalks Urban Areas Plazas and Squares Private Gardens

#### **BEST USE**

Shelterbelt Screen Specimen Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

Loose, flowing, delicate leaflets, a light, airy, lowbranching growth habit with pendulous branch-tips, and a profusion of small, slightly fragrant, yellow blooms combine to create this popular, small landscape tree.

#### **Design Description**

#### **CHARACTER**

Size: Large Form: Vase, Spreading

Color: Green

Foliage Type: Evergreen **Leaves:** Even pinnate

Texture: Fine Flowers: Yellow

#### **BEST LOCATION**

Urban Parks Urban Areas Plazas and Squares Highways

#### **BEST USE**

Screen Shade Shelter belt Hedge

# **ORDER**

Single Group

#### **GENERAL INFO**

It cannot grow in the shade and can tolerate drought. The tree can tolerate strong winds but not maritime exposure.



#### **GENERAL**

Origin: North America Growing: Fast Maintenance: Medium Height/spread: 1-5m, 3-4m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Medium Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Vulnerable



**GENERAL** 

Origin: Southern Asia Growing: Fast Maintenance: Low Height/spread: 15-23m, 15m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High



**Technical Description** 







#### **CHARACTER**

Size: Large Form: Conical

Color: Medium Green Foliage Type: Evergreen

Texture: Fine Flowers: White Green

Leaves: Bipinnate

#### **BEST LOCATION**

Urban Parks Urban Areas

#### **BEST USE**

Ornamental Background Hedge Screen

#### ORDER

Single Group

#### **GENERAL INFO**

Its distinctive appearance does not fit easily into natural or informal landscapes. It is often planted as landmark ornamental plants.

Altuwya

#### **CHARACTER**

Size: Medium Form: Vase

Color: Deep Green

Foliage Type: Evergreen Leaves: ObLanceolate

**Design Description** 

Plumeria obtusa

Apocynaceae, Obtuse Frangipani

**Texture:** Coarse Flowers: White

#### **BEST LOCATION**

Private Gardens Urban Parks Urban Areas

Plazas and Sqaures Residential Areas

#### **BEST USE**

Mass planting Ornamental Hedge Emphasizer

#### **ORDER**

Single Group

#### **GENERAL INFO**

All parts of the plant exude a milky sap when damaged, this sap may irritate eyes and skin.



# **GENERAL**

Origin: Asia Growing: Moderate Maintenance: Low Height/spread: 15-20m, 3-5m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



#### WIND

Wind Resistance: High Dessification: Low



#### **GENERAL**

Origin: West Indies Growing: Moderate Maintenance: Medium Height/spread: 5-8m, 3-5m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: High(vulnerable)



**Technical Description** 

TREES



TREES



#### **Design Description**

#### **CHARACTER**

Size: Medium Form:Canopy

Color: Yellow, dull Green

Foliage Type: Deciduous Leaves: Lanceolate Texture: Coarse

Flowers: White, Pink, Yellow

#### **BEST LOCATION**

Private Gardens Urban Parks Urban Areas Plazas and Squares Residential Areas Sidewalks

#### **BEST USE**

Containers Flowering Tree

#### ORDER

Single

## **GENERAL INFO**

Plumeria rubra is a deciduous plant species belonging to the genus plumeria, it has been widely cultivated in subtropical and tropical climates worldwide and is a popular garden and park plant.

#### **CHARACTER**

Size: Large Form: Columnar Color: Medium-Yellow Green

**Design Description** 

Polyalthia longifolia pendula

**Annonaceae**, False Ashoka

Foliage Type: Evergreen Leaves: Lanceolate Texture: Medium Flowers: Yellow-Green

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Natural Spaces

#### **BEST USE**

Shelter belt Hedge Screen Ornamental

#### **ORDER**

Group Single

#### **GENERAL INFO**

They are perfect screening plants for narrow, confined planting spaces because they grow quite tall but stay slender.





#### **GENERAL**

Origin: Mexico, Central America Growing: Moderate Maintenance: Medium Height/spread: 8-15m, 8-10m Propagation: Cutting



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: Medium Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: Medium



#### **GENERAL**

Origin: Asia Growing: Fast Maintenance: Low Height/spread: 15-20m, 0.9-1.5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium





WATER

Salinity: Medium Hardiness: Low Watering Rate: Low SOIL

Type: Loam, Sand Salt-Tolerance: High

LIGHT

Light Requirement: Medium

Design Description

#### **CHARACTER**

**Size:** Large **Form:** Upright Spreading

Color: Bright Green

Foliage Type: Deciduous

Leaves: Aristate
Texture: Fine

Flowers: Bright Green

#### **BEST LOCATION**

Natural Spaces Highways

#### **BEST USE**

Shade Windbreaks

#### **ORDER**

WIND

Wind Resistance: High

Dessification: High

Single Group

#### **GENERAL INFO**

A good specimen tree to be grown on large properties away for residential or rural areas.

# ription Design Description

Hour

#### CHARACTER

Size: Large

Form: Columnar

Color: Yellow, dull Green

Populus nigra

Salicaceae, Black Poplar

Foliage Type: Deciduous

Leaves: Cordate
Texture: Coarse
Flowers: Red

#### **BEST LOCATION**

Natural Spaces Highways

#### **BEST USE**

Screen Specimen Background

Linkage Hedge

#### **ORDER**

Single Group

#### **GENERAL INFO**

It's not considered to be a good landscape tree. It should also be planted far from underground utilities as it has a strong root system.





## GENERAL

Origin: Northwest Africa, Central Asia Growing: Fast Maintenance: Medium Height/spread: 15-23m,10-15m Propagation: Cutting, Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Low



**GENERAL** 

Growing: Fast

Maintenance: Low

Origin: Southwestern U.S

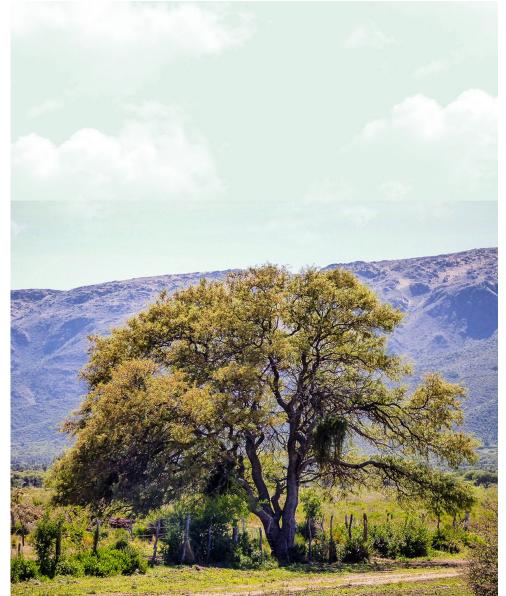
Height/spread: 12-24m, 9-15m

Propagation: Cutting, Seed



Prosopis alba





#### **CHARACTER**

Size: Medium Form: Vase

Color: Medium Green

Foliage Type: Semi-Evergreen

Leaves: Even pinnate Texture: Fine Flowers: Yellow

#### **BEST LOCATION**

Natural Spaces Highways Urban Areas

#### **BEST USE**

Ornamental Erosion control

#### ORDER

Single Group

#### **GENERAL INFO**

The plant can tolerate strong winds but not maritime exposure. It also can't grow in the shade.

#### **Design Description**

Hawr Abyad

#### **CHARACTER**

Fabaceae, Ghaf

**Design Description** 

Prosopis koelziana burkart

Size: Medium Form: Weeping

Color: Gray Green Foliage Type: Evergreen

Leaves: Even Pinnate Texture: Fine

Flowers: Golden Yellow

#### **BEST LOCATION**

Desert Environments Natural Spaces Highways

#### **BEST USE**

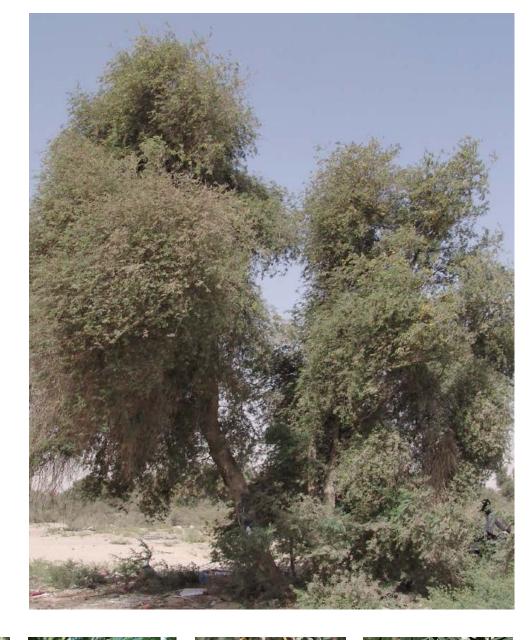
Ornamental Windbreak

#### **ORDER**

Single

#### **GENERAL INFO**

An iconic tree that generally have a much more extensive 'mining' than other trees.





#### **GENERAL**

Origin: South America Growing: Fast Maintenance: Low Height/spread: 6-15m, 5-12m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



**GENERAL** 

Origin: Middle East & Iran Growing: Medium Maintenance: Low Height/spread: 7-12m, 3-5m Propagation: Seeds & Taking Offsets



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Light-sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Desiccation: Medium





**Technical Description** 

# **Strelitziaceae**, Travelleris Tree

#### **CHARACTER**

Size: Medium

Form: Open fan shaped

Color: Deep Green

Foliage Type: Evergreen

#### **BEST LOCATION**

Private Gardens Urban Areas

#### **BEST USE**

Ornamental Background

#### **ORDER**

Single Group

#### **GENERAL INFO**

A Tree that is widely cultivated as an ornamental in the tropics and subtropics.

#### **Design Description**

Leaves: Oblong Texture: Coarse Flowers: White

#### **BEST LOCATION**

Urban Areas Plazas and Parks Sidewalks

Saraca indica

**Design Description** 

**CHARACTER** 

Size: Medium

Color: Deep Green

Foliage Type: Evergreen

Leaves: Odd Pinnate

**Texture:** Coarse

Flowers: Red

Form: Oval

Fabaceae, Sorrowless Tree

#### **BEST USE**

Shade Ornamental

#### **ORDER**

Single

#### **GENERAL INFO**

It's favorable for its beautiful foliage and fragrant flowers. Its flowering season is around February to April.





#### **GENERAL**

Origin: Madagascar Growing: Slow Maintenance: Medium Height/spread: 9-15m, 4.5-7.5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: High Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



## **GENERAL**

Origin: India Growing: Moderate Maintenance: Medium Height/spread: 7-12m, 4-6m Propagation: Cutting, Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High (vulnerable)







TREES

**GENERAL** 

Growing: Fast

Origin: South America

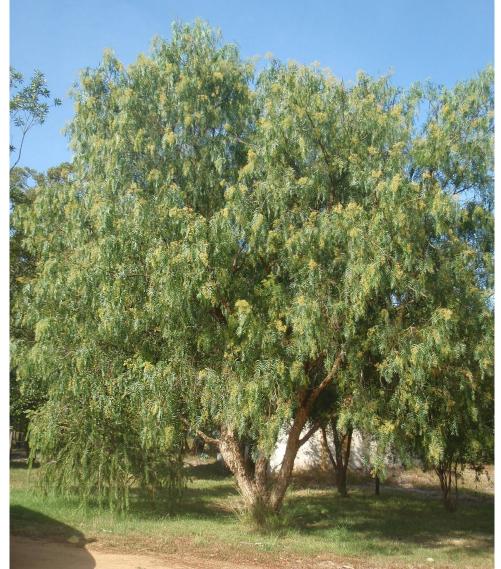
Maintenance: Medium

Propagation: Cutting

Height/spread: 8-15m, 8-10m

# **Anacardiaceae**, Peruvian Pepper Tree





WATER

Irrigation: Low

Salinity: Medium

Hardiness: High

Watering Rate: Low

Drought Resistance: High

#### **Design Description**

#### **CHARACTER**

Size: Medium

Form: Irregular Spreading

Color: Light Green

Foliage Type: Evergreen

Leaves: Even Pinnate Texture: Fine

Flowers: Yellow White

#### **BEST LOCATION**

Plazas and Sqaures Coastal Areas Urban Parks Highways

#### **BEST USE**

Shade Shelter Belt Screen Edible

## **ORDER**

## Single

#### **GENERAL INFO**

The tree is planted as a windbreak and helps to prevent soil erosion. It improves soil conditions, because it adds nutrients and organic matter to the soil.



#### SOIL

Type: Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium,High



#### WIND

Wind Resistance: High Dessification: High (Vulnerable)

#### **Design Description**

Schinus terebinthifolia

Mimosaceae, Brazilian Peppertree

#### **CHARACTER**

Size: Medium

Form: Irregular Spreading

Color: Medium Green Foliage Type: Evergreen Leaves: Odd Pinnate

Texture: Medium Flowers: Creamy

#### **BEST LOCATION**

Urban Areas Coastal Areas Urban Parks Highways

#### **BEST USE**

Shade Shelter Belt Screen Hedge

# **ORDER**

Single

#### **GENERAL INFO**

This tree has two major drawbacks, invasiveness and allergies. These allergies often occur from touching the leaves or fruits.



## **GENERAL**

Origin: South America Growing: Fast Maintenance: Medium Height/spread: 10-16m, 3-7m Propagation: Cutting, Seed



#### WATER

Drought Resistance: High Irrigation: Low Salinity: Low Hardiness: High Watering Rate: Low



## SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium

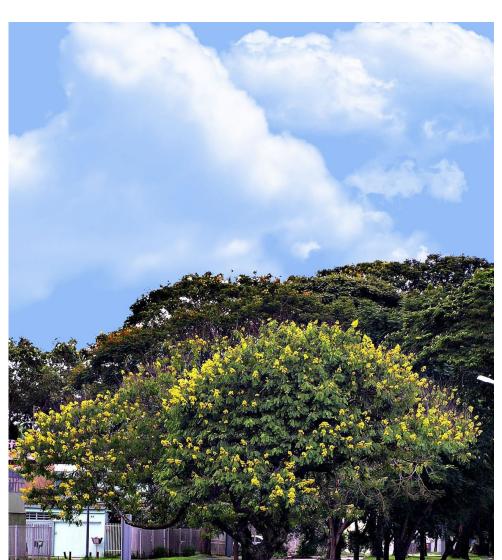






TREES

# Fabaceae, Golden Wonder Tree



#### **Design Description**

Senna

#### **CHARACTER**

Size: Medium Form: Round, vase Color: Green Foliage Type: Evergreen

Leaves: Subulate Texture: Fine Flowers: Yellow

#### **BEST LOCATION**

Urban Parks Car Parking Urban Areas Sidewalks

#### **BEST USE**

Shade Ornamental Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

A Tree with a very dense, Spreading crown with a touch of golden yellow flowers.

#### **Design Description**

Spathodea campanulata

Fabaceae, African Tulip Tree

#### **CHARACTER**

Size: Large Form: Round, Oval Color: Green

Foliage Type: Evergreen Leaves: Lanceolate **Texture:** Glossy Flowers: Orange, Red

#### **BEST LOCATION**

Urban Parks Coastal Areas Urban Areas Sidewalks

#### **BEST USE**

Shade Specimen

# **ORDER**

Single Group

#### **GENERAL INFO**

African tulip tree is a large, fast growing Evergreen tree, native to the area of sub-Saharan Africa. It has red flowers that are showy, and attractive to insects and birds.



## **GENERAL**

Origin: Tropical America Growing: Fast Maintenance: Low Height/spread: 7-18m, 4.5-6m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High



**GENERAL** 

Origin: Africa Growing: Fast Maintenance: Medium Height/spread: 15-23m, 8-10m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium





**Technical Description** 

TREES



Suytinia

#### **CHARACTER**

Size: Large

Form: Open, Round

Color: Green

Foliage Type: Deciduous

Leaves: Lanceolate Texture: Medium

Flowers: Greenish Yellow

#### **BEST LOCATION**

Sidewalks Parking lots Urban Areas

#### **BEST USE**

Shade Screening windbreak

# **ORDER**

Single Group

#### **GENERAL INFO**

A Large Tree with many heavy branches that cast a dense shade.



#### CHARACTER

Size: Large

Form: Spreading, Vase

Tamarindus indica

Fabaceae, Tamarind

**Design Description** 

Color: Green

Foliage Type: Evergreen

Leaves: Odd Pinnate **Texture:** Smooth Flowers: Yellow, Red

#### **BEST LOCATION**

Urban Parks Natural Spaces

#### **BEST USE**

Specimen Ornamental Shade Windbreak

#### **ORDER**

Street

Single

#### **GENERAL INFO**

The fruit is edible and used in many recipes. The pulp of the fruit is also used as anti-Inflammatory.





## **GENERAL**

Origin: Florida, Caribbean island Growing: Fast Maintenance: Medium Height/spread: 12-24m, 9-18m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Low



## **GENERAL**

Origin: Tropical Africa Growing: Slow Maintenance: Low Height/spread: 15-23m, 10-15m Propagation: Seed, Layering



## WATER

Drought Resistance: High Irrigation: High Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High





Tamaricaceae, Athel Tamarisk

Al'athl

TREES

#### **Design Description**

#### **CHARACTER**

Size: Large

Form: Irregular Spreading

Color: Gray Green

Foliage Type: Evergreen

Leaves: Linear Texture: Fine

Flowers: White Pink

#### **BEST LOCATION**

Natural Spaces Highways **Desert Environments** 

#### **BEST USE**

Shade Shelter Belt Street **Erosion Control** 

#### **ORDER**

Single

#### **GENERAL INFO**

Salt Cedar is a spreading tree with rough, deeply furrowed bark It can be planted as a street tree in hot and arid regions. Takes full sun and low amount of water.

#### CHARACTER

Size: Small

Form: Irregular bushy

**Design Description** 

Color: Grey Green

Foliage Type: Evergreen

Leaves: Lanceolate **Texture:** Coarse

Flowers: White to pink

#### **BEST LOCATION**

Coastal areas Natural spaces Desert Environments

#### **BEST USE**

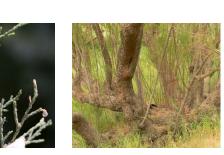
Specimen Background Screen Soil stabilization

#### **ORDER**

Single Group

#### **GENERAL INFO**

Tamarix nilotica is a muchbranched shrub or small tree up to 10 m high This tree grows beside the river thickets in suitable locations, it hasexcreting glands to rid itself of the excess salts that would otherwise accumulate.



WATER

#### **GENERAL**

Origin: North Africa and the

Height/spread: 3-9m, 2-6m

Propagation: sowing, Cutting

Middle east

Growing: Fast

Maintenance: Low

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Low



## SOIL

Type: Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High



Dessification: High





## **GENERAL**

Origin: Eurasia And Africa Growing: Fast Maintenance: Medium Height/spread: 15-23m, 10-15m Propagation: Cutting, Seed



## WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: Medium Watering Rate: Low



## SOIL

Type: Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



## WIND

Wind Resistance: High Dessification: High



**Technical Description** 

WATER

Irrigation: High

Salinity: Medium

Hardiness: Low

Drought Resistance: High

Watering Rate: Medium

Combretaceae, Arjun Tree

Altarmanila

#### **CHARACTER**

Size: Large Form: Irregular Color: Green

Foliage Type: Deciduous

**Design Description** 

Leaves: Oblong Texture: Course

Flowers: White, Light Green

#### **BEST LOCATION**

Plazas and Squares Natural Spaces Urban Parks Highways

#### **BEST USE**

Background Massing Screen Shade

## **ORDER**

Single

#### **GENERAL INFO**

Three Species of terminalia are used for medicine. People today use it for disorders of the heart and blood vessels and related chest pain ,high blood pressure.it is possibly unsafe during pregnancy.



## WIND

SOIL

LIGHT

Type: Loam

Salt-Tolerance: High

Light Requirement: High

Wind Resistance: Medium Dessification: Medium



Terminalia catappa

Combretaceae, Indian Almond

#### CHARACTER

Size: Large Form: Spreading Color: Dark Green Foliage Type: Evergreen Leaves: Obvate Texture: Course

Flowers: White, Cream

#### **BEST LOCATION**

Plazas and Sqaures Coastal Areas Natural Spaces Residential Areas Private Gardens Car Parking

#### **BEST USE**

Shade Edible Wildlife

## **ORDER**

Single

#### **GENERAL INFO**

The fruit is edible with an almond taste. It requires regular maintenance as its branches drop regularly.



#### **GENERAL**

Origin: Madagascar, Africa Growing: Fast Maintenance: High Height/spread: 15-23m, 10-15m Propagation: Seed



#### WATER

Drought Resistance: Medium Irrigation: High Salinity: Low Hardiness: High Watering Rate: High



#### SOIL

Type: Clay, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: High



**GENERAL** 

Growing: Fast

Maintenance: Low

Origin: India, Middle East

Height/spread: 25m, 20m

Propagation: Cutting, Seed



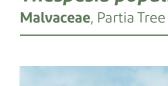


**Design Description** 





Technical Description



Tuffahat Adan



#### **CHARACTER**

Size: Medium

Form: Irregular, Spreading Color: Medium Green

Foliage Type: Evergreen

Leaves: Cordate **Texture**: Coarse

Flowers: Yellow to Purple

#### **BEST LOCATION**

Plazas and Squares Coastal Areas Urban Parks Residential Areas

#### **BEST USE**

Edible Shade Ornamental Screening

# ORDER

Single

#### **GENERAL INFO**

A highly valuable as a coastal windbreak because of its resistance to wind and salt spray.

#### CHARACTER

Size: Large

Form: Open ,Spreading

Color: Medium Green Foliage Type: Semi Deciduous

Leaves: Odd Pinnate

Texture: Fine Flowers: Yellow

#### **BEST LOCATION**

Highways Urban Areas Urban Parks

#### **BEST USE**

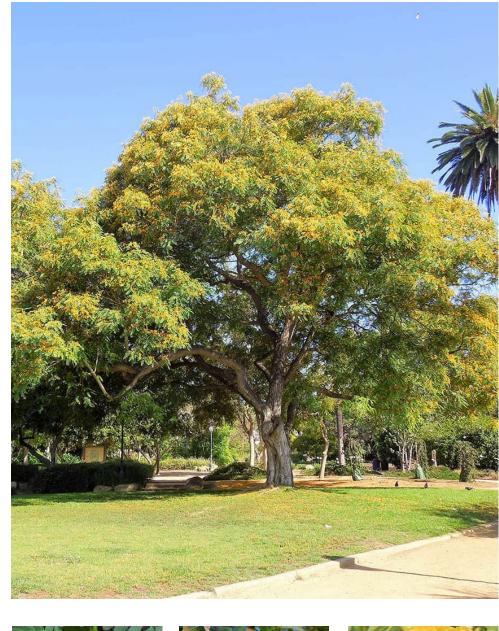
Windbreak Shade Ornamental Screening

#### **ORDER**

Single

#### **GENERAL INFO**

A Flowering tree with an Open Spreading Crown Canopy.





#### **GENERAL**

Origin: Coastal Tropics of Asia Growing: Moderate Maintenance: Low Height/spread: 10-15m, 5-8m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: High



## SOIL

Type: Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: High



## **GENERAL**

Origin: South Africa Switzerland Growing: Fast Maintenance: High Height/spread: 10-20m, 12m Propagation: Seed



WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: High



Type: Sand, Loam Salt-Tolerance: High

SOIL



WIND

Wind Resistance: Low Dessification: High



Light Requirement: High

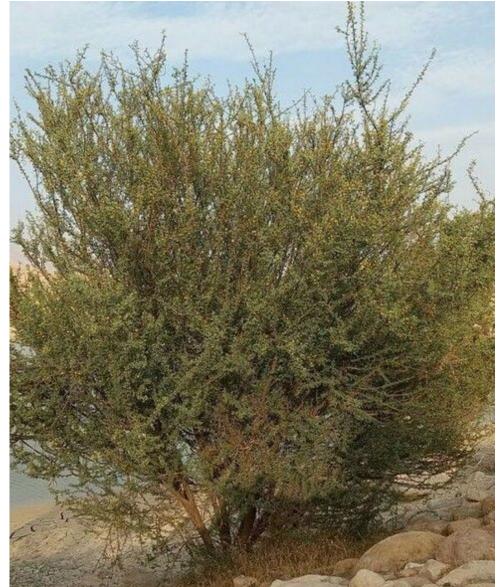


**Design Description** 

**Technical Description** 







#### **Design Description**

Al-Salm

#### **CHARACTER**

Size: Small Form: Round Color: Dull Green

Foliage Type: Deciduous Leaves: Even Pinnate Texture: Fine

Flowers: Bright Yellow

#### **BEST LOCATION**

**Desert Environments** Highways

#### **BEST USE**

Background Massing Green Belt

#### **ORDER**

Group

#### **GENERAL INFO**

An important multipurpose medical plant.

#### CHARACTER

Size: Large Form: Spreading Color: Gray Green

Foliage Type: Evergreen Leaves: Even Pinnate Texture: Fine

# Flowers: Yellow

Natural Spaces Desert Environments Highways

**BEST LOCATION** 

#### **BEST USE**

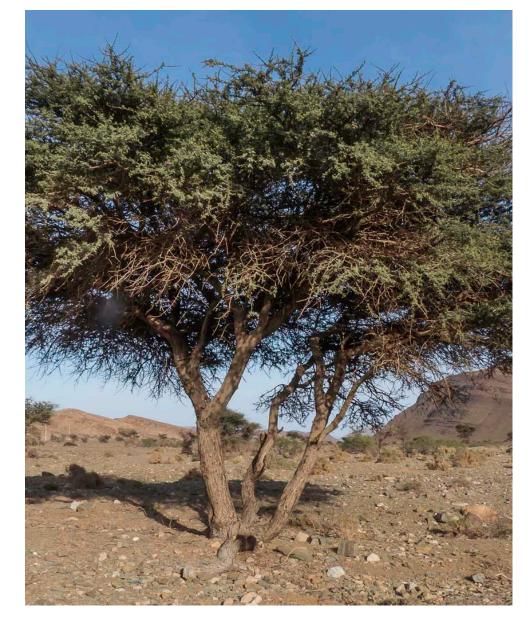
Background Shading

#### **ORDER**

Single Trees Group trees

#### **GENERAL INFO**

Ideal for desert landscapes.





## **GENERAL**

Origin: The Kingdom of Saudi Arabia, East Africa, and Iran. Growing: Slow Maintenance: Average Height/spread: 2-8m, 5-8 m Propagation: Seed, Sowing



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Good.

#### LIGHT

Light Requirement: High.



WIND

Wind Resistance: Medium. Dessification: Medium.



**GENERAL** 

Origin: Africa, Saudi Arabia, Palestine. Growing: Fast Maintenance: Low Height/spread: 8-15m, 8-13m Propagation: Seed



Vachellia tortilis subsp. raddiana (savi) kyal. & boatwr

WATER

Drought Resistance: High Irrigation: Moderate Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Sand, Loam Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Desiccation: Medium





# Technical Description



Origin: Tropical Africa, Asia Growing: Fast Maintenance: Low Height/spread: 6-15m, 10-15m Propagation: Seed



#### WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



#### SOIL

Type: Clay, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High

# **Design Description**

#### CHARACTER

Size: Medium Form: Spreading Color: Shiny Green Foliage Type: Evergreen

Leaves: Obvate Texture: Fine Flowers: White

#### **BEST LOCATION**

Urban Parks Natural Spaces Highways Residential Areas

#### **BEST USE**

Screen Shade Edible

#### **ORDER**

Single

#### **GENERAL INFO**

A tree that develops an extremely deep root and has extraordinary regenerative



## WIND

Wind Resistance: High Dessification: Medium









#### **CHARACTER**

Size: Large Form: Palm Color: Dark Green

Foliage Type: Evergreen

Leaves: Oblong linear

Texture: Fine Flowers: Creamy

#### **BEST LOCATION**

Coastal Areas

#### **BEST USE**

Borders Feature Tree Emphasizers

#### **ORDER**

Single Group

#### **GENERAL INFO**

A very aristocratic ,elegant ,Evergreen palm with graceful leaves that gives a unique tropical flavor to the landscape.

#### **Design Description**

#### CHARACTER

Size: Medium Form: Palm

Color: Bright Green

Caryota mitis

**Design Description** 

Arecaceae, Fishtail Palm

Foliage Type: Evergreen

Leaves: Fishtail Texture: Medium Flowers: Creamy

#### **BEST LOCATION**

Urban Areas Urban Parks

#### **BEST USE**

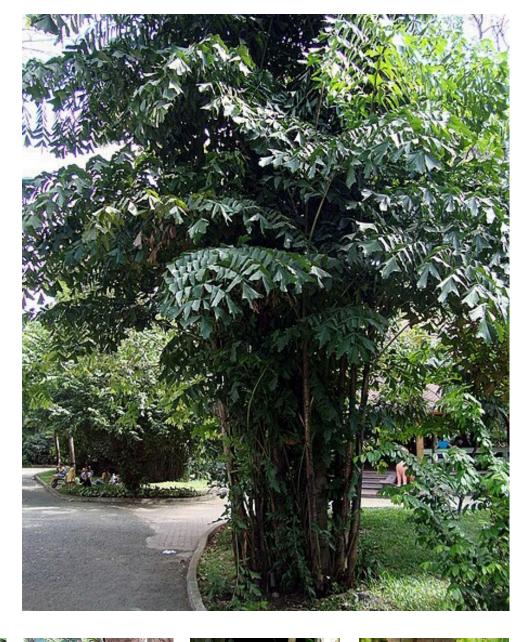
Container Ornamental

#### **ORDER**

Group

#### **GENERAL INFO**

Group type of palms that is known for Having uneven edges.



## **GENERAL**

Origin: South America, Brazil Growing: Moderate Maintenance: Low Height/spread: 15-21m, 6-9m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: Vulnerable



## **GENERAL**

Origin: Asia, Southern China Growing: Moderate Maintenance: Low Height/spread: 6-10m, 4m Propagation: Seed



## WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: High







# **Arecaceae**, Chamaerops





#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Palm

Color: Deep Green

Foliage Type: Evergreen

Leaves: Palmate Texture: Course Flowers: Yellow

#### **BEST LOCATION**

Natural Spaces Urban Areas Sidewalks Plazas and Squares

#### **BEST USE**

Ornamental Screen **Emphasizers** 

#### **ORDER**

Group

#### **GENERAL INFO**

Male flowers are bright yellow,Female flowers are vellow Green.

#### **CHARACTER**

Size: Medium Form: Palm Color: Gray Green Foliage Type: Evergreen

**Design Description** 

**Arecaceae**, Areca Palm

Chrysalidocarpus lutescens

Leaves: Lanceolate **Texture:** Coarse Flowers: Yellow

#### **BEST LOCATION**

Private Gardens

#### **BEST USE**

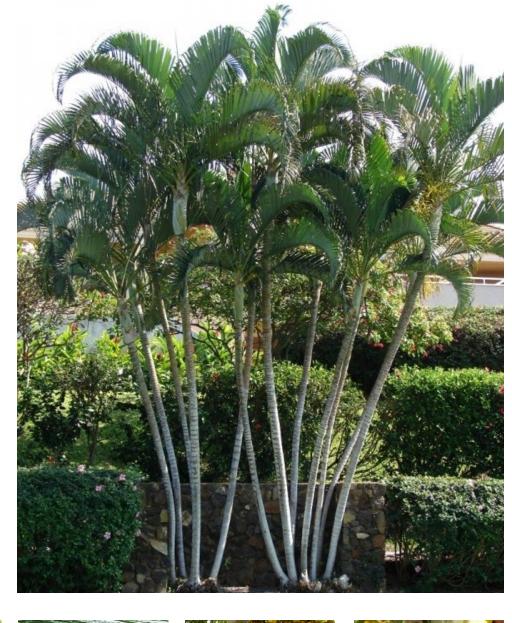
Hedges Screens Emphasizers

#### **ORDER**

Single

#### **GENERAL INFO**

An elegant palm with clusters of slender, smooth stems with head of downwards arching feathery fronds making a graceful display.





## **GENERAL**

Origin: Europe, Northwest Asia Growing: Slow Maintenance: Medium Height/spread: 15m, 5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Low Watering Rate: Medium



#### SOIL

Type: Sand,Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Resistant



## **GENERAL**

Origin: Madagascar Growing: Moderate Maintenance: Low Height/spread: 6-10m, 4-5 m Propagation: Seed, Vegetative



## WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium









## **CHARACTER**

Size: Small Form: Palm Color: Dark Green

Foliage Type: Evergreen Leaves: Pinnate

Texture: Course Flowers: Golden Brown

#### **BEST LOCATION**

Coastal Areas Natural Spaces Private Gardens

## **BEST USE**

Linkage Ornamental Screen **Emphasizers** 

#### **ORDER**

Single Group

#### **GENERAL INFO**

Flowers are in spikes.male flowers from at the base and female flowers at the top.



#### **CHARACTER**

Size: Small Form: Palm

Color: Dark Green

Cycas revoluta

**Design Description** 

**Cycadaceae**, Sago Plam

Foliage Type: Evergreen Leaves: Pinnate

Texture: Course Flowers: Golden Brown

#### **BEST LOCATION**

Natural Spaces Private Gardens Sidewalks

Plazas and Squares

#### **BEST USE**

Ornamental **Emphasizers** 

# **ORDER**

Single Group

#### **GENERAL INFO**

Seed are tomentose and poisonous, despite its appearance this tree is not a palm tree but a conifer the male plant develops an impressive cone for pollen production, and the female plants bear group..





## **GENERAL**

Origin: Tropical Asia Growing: Fast Maintenance: Medium Height/spread: 0.9-3m, 0.9-3m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand,Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



## WIND

Wind Resistance: High Dessification: Resistant



#### **GENERAL**

Origin: Eastern Asia Growing: Slow Maintenance: Low Height/spread: 0.9-3m, 0.9-3m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Low Watering Rate: Medium



## SOIL

Type: Sand,Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



#### WIND

Wind Resistance: High Dessification: Vulnerable





**Technical Description** 

PALM TREES

#### Lantania

#### **Design Description**

#### **CHARACTER**

Color: Green

Private Gardens

Ornamental

#### **ORDER**

#### **GENERAL INFO**

palm with large fan-shaped leaves that gives a silvery waxy appearance.

Size: Medium Form: Palm

Foliage Type: Evergreen

Leaves: v-shaped Texture: Coarse Flowers: Greenish-White

#### **BEST LOCATION**

Urban Areas

#### **BEST USE**

**Emphasizers** Screen

Group

Latania loddigesii is a solitary



#### **GENERAL**

Origin: Mascarene island (Mauritius) Growing: Slow Maintenance: Medium Height/spread: 10-16m, 3-3.5m Propagation: Cutting, Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



## SOIL

Type: acidic,Clay,Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



## WIND

Wind Resistance: High Dessification: Medium



Livistona chinensis

Arecaceae, Chinese Fan Palm

#### **CHARACTER** Size: Medium

Form: Palm Color: Green Foliage Type: Evergreen **Leaves:** Star shaped **Texture:** Coarse

#### **BEST LOCATION**

Flowers: White

Natural Spaces Private Gardens

#### **BEST USE**

Linkage Screen **Emphasizers** 

#### **ORDER**

Group Single

#### **GENERAL INFO**

Although Chinese Fan Palm has long been used as a container palm, its neat leaf habit and interesting form make it ideal for further landscape uses, such as in staggered groupings or used as a freestanding specimen, or street tree.



## **GENERAL**

Origin: Southern Japan, China and hainan Growing: Moderate Maintenance: 3-9 m, 3-4.5m Height/spread: text Propagation: Cutting, Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand,Clay,Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Resistant Dessification: Medium









#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Palm Color: Deep Green

Foliage Type: Evergreen

Leaves: Pinnate Texture: Course Flowers: Yellow

#### **BEST LOCATION**

Private Gardens

#### **BEST USE**

Emphasizer Ornamental Background Windbreak

#### **ORDER**

Single Group

#### **GENERAL INFO**

Purning will only be needed to remove old fronds which hang below horizontal.remember that this palm has spines and sharp edges ,use extreme caution when handling...

#### **CHARACTER**

Size: Large Form: Palm

Color: Gray Green

Foliage Type: Evergreen

**Design Description** 

Phoenix dactylifera

**Arecaceae**, Date Palm

Leaves: Palmate **Texture:** Course Flowers: Yellow

#### **BEST LOCATION**

Private Gardens

#### **BEST USE**

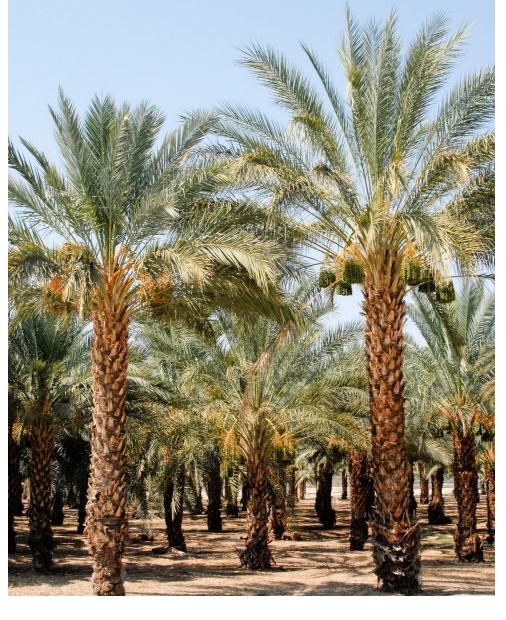
Background Ornamental Windbreak

#### **ORDER**

Single Group

#### **GENERAL INFO**

Giant palm weevil can kill recently transplanted palm or those which are injured or overpruned.scale insects infest this palm.



## **GENERAL**

Origin: Mediterranean Growing: Slow Maintenance: Medium Height/spread: 4-15m, 4m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: Low Watering Rate: Medium



## SOIL

Type: Sand, Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Vulnerable



## **GENERAL**

Origin: Middle East, North Africa Growing: Slow Maintenance: Medium Height/spread: 25m, 7-12m Propagation: Seed



WATER

Drought Resistance: High Irrigation: High Salinity: High Hardiness: Low Watering Rate: Medium



SOIL

Type: Sand, Clay, Loam, Chalk Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Resistant





**ORDER** 

**GENERAL INFO** 

It's popular as a tidy stately



#### **CHARACTER**

Size: Large Form: Palm

Color: Medium Green Foliage Type: Evergreen

Leaves: Linear Texture: Fine Flowers: Yellow

#### **BEST LOCATION**

Coastal area Urban spaces Urban Parks

#### **BEST USE**

Landmark Specimen Background Emphasizer

Single

landscape element for large landscapes.



## **GENERAL**

Origin: Florida Growing: Moderate Maintenance: Low Height/spread: >23m, 3-5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: High Dessification: Medium



Arecaceae, Sabal

Sabal palmetto

#### **CHARACTER**

Size: Large Form: Palm

Color: Deep Green

Foliage Type: Evergreen

Leaves: Fan **Texture:** Course Flowers: Yellow

#### **BEST LOCATION**

Natural Spaces Coastal Areas

#### **BEST USE**

Background Ornamental Linkage

#### **ORDER**

Single Group

#### **GENERAL INFO**

The lower part of the greycoloured trunk is smooth; the upper part is covered with old leaf stem bases, known as boots, arranged in a criss-cross pattern. There is no crown shaft; large leaves grow right from the trunk spreading in all directions.



#### **GENERAL**

Origin: South America Growing: Slow Maintenance: low Height/spread: 6-25m, 2-5m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Low Watering Rate: Medium



## SOIL

Type: Sand,Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



#### WIND

Wind Resistance: High Dessification: Vulnerable





Technical Description





**Technical Description** 

**Arecaceae**, Desert Palm

PALM TREES



#### **Design Description**

#### **CHARACTER**

Size: Large Form: Palm Color: Green

Foliage Type: Evergreen

Leaves: Fan Texture: Course Flowers: White

#### **BEST LOCATION**

Private Gardens Coastal Areas

#### **BEST USE**

Screen Ornamental Linkage

#### **ORDER**

Single Group

#### **GENERAL INFO**

Its large leaves consist of a strong petiole that is armed with sharp hooks along the edges, and a round blade which is folded many times in section. Often, they are divided in sections exposing fibres in between.

#### **CHARACTER**

Size: Large Form: Palm Color: Bright Green Foliage Type: Evergreen Leaves: Star shaped **Texture:** Coarse

**Design Description** 

Washingtonia robusta

**Arecaceae**, Washington Palm

# Flowers: White **BEST LOCATION**

Coastal Areas Urban Parks

#### **BEST USE**

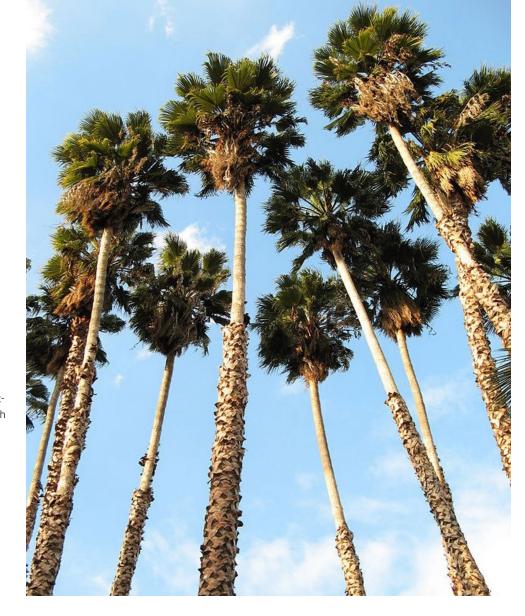
Ornamental Landmark residential street tree

#### **ORDER**

Group Single

#### **GENERAL INFO**

The Mexican fan palm is a fastgrowing species that can reach heights of 25-30 m, making it too tall for typical residential landscapes.





#### **GENERAL**

Origin: Southwestern America ,Northwest Mexico Growing: Moderate Maintenance: Low Height/spread: 25m, 5m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: Low Watering Rate: Low



## SOIL

Type: Sand, Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Vulnerable



#### **GENERAL**

Origin: Northern Mexico Growing: Moderate Maintenance: Low Height/spread: 12-25m, 2.5-3m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Loam,Clay,Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Resistant







## Euphorbiaceae, Red Foxtail

#### **Design Description**

#### CHARACTER

Size: Medium Form: Upright Color: Medium Green

Foliage Type: Evergreen Leaves: Obvate Texture: Medium Flowers: Red

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens

#### **BEST USE**

Hedge Mass planting Ornamental

#### **ORDER**

Single Group

#### **GENERAL INFO**

This plant performs well in many types of well-drained landscape soils. It grows and flowers best in full sun, with little care other than irrigation needed to maintain the plant once it is established.





#### **GENERAL**

Origin: Southeast Asia, Australia Growing: Fast Maintenance: Medium Height/spread: 2-3m, 1.5-2m Propagation: Cutting, Seed



#### WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Loam, Clay, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



Theil al-Tha'alab al Ahmar

#### WIND

Wind Resistance: Medium Dessification: Medium



#### Origin: Southwestern Pacific Islands Growing: Fast Maintenance: Medium Height/spread: 1.5-3m, 1.5-3m Propagation: Cutting

**GENERAL** 



# WATER Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand
Salt-Tolerance: High

LIGHT

Light Requirement: Medium



WIND
Wind Resistance: Medium
Dessification: Medium

## Design Description Design Description

#### CHARACTER

Akalifia

**CHARACTER** 

Size: Medium

orange, copper

Leaves: Ellipsoid

Texture: Medium

Flowers: Dark red

**BEST LOCATION** 

Urban Areas

Urban Parks

**BEST USE** 

Ornamental

Screen

Hedge

**ORDER** 

Single

Group

drought.

**GENERAL INFO** 

The colorful leaves of these

specimen or accent planting.

While tolerant of drought, it looks its best when provided with regular watering during

plant make it fits perfectly as a

Private gardens

Plazas and Squares

Form: Weeping irregular

Foliage Type: Evergreen

Color: Green, purple, yellow,

Size: Large
Form: Irregular
Color: Dark&Pale Green
Foliage Type: Evergreen
Leaves: Lanceolate
Texture: Medium

Flowers: White Tinged Pink-Reddish

#### **BEST LOCATION**

Natural Spaces Urban Parks Sidewalks

#### **BEST USE**

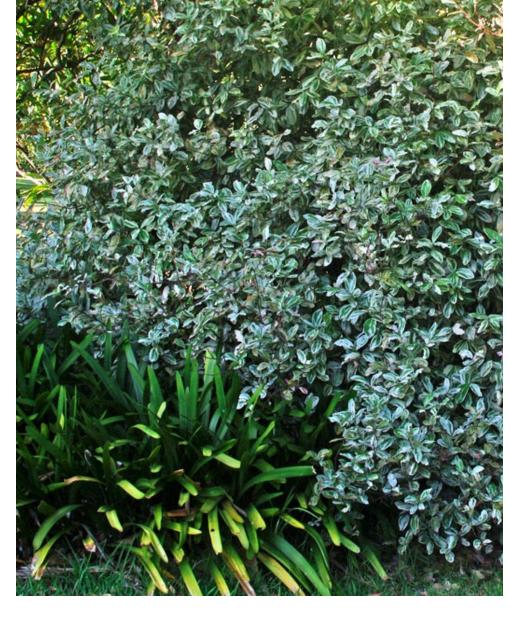
Screen Shelterbelt Specimen Hedges

#### ORDER

Single Group

#### **GENERAL INFO**

All parts of this plant are poisonous. This spineless tree entire leaves are thick.





#### GENERAL

Origin: South Africa Growing: Fast Maintenance: High Height/spread: 6m, 3m Propagation: Seed, Cutting



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Resistant





Poaceae, Giant reed



#### **CHARACTER**

Size: Large Form: Upright

Color: Medium Green

Foliage Type: Semi Evergreen

Leaves: Linear Texture: Fine Flowers: Green-Purple

## **BEST LOCATION**

Natural spaces

#### **BEST USE**

Screen Shelterbelt Rain gardens Mass planting

#### **ORDER**

Group

#### **GENERAL INFO**

It can be planted in any type of soil, and would grow best next to water. Therefore, in arid areas, a moderate watering schedule is recommended for the plant's best growth if this type spreads it will be hard to eliminate.



Qasab

#### CHARACTER

Size: Small Shrub Form: Columnar Color: Gray Green Foliage type: Evergreen Leaves: Lobed Texture: Coarse Flowers: Golden Yellow

**Design Description** 

#### **BEST LOCATION**

Desert Environments Natural spaces Medians and Islands

#### **BEST USE**

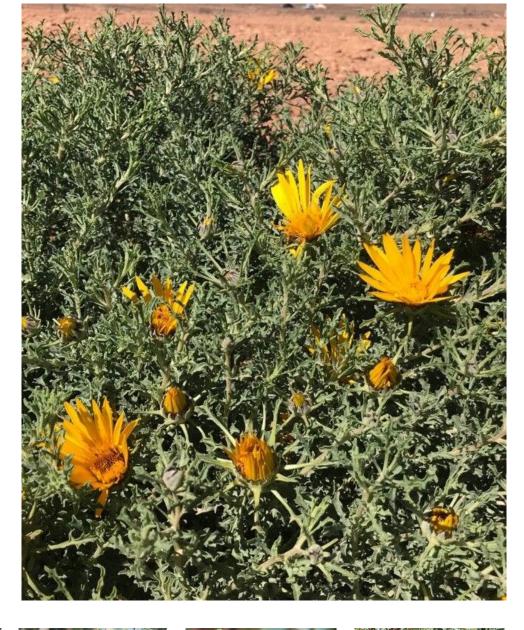
Feature Border

#### **ORDER**

Single Group

#### **GENERAL INFO**

A rural desert shrub that has a unique appearance and medical uses.





## **GENERAL**

Origin: East Asia Growing: Fast Maintenance: Medium Height/spread: 2-10m, 1.5-3m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



#### **GENERAL**

Origin: Iran and Arabian Peninsula Growing: Fast Maintenance: Low Height/spread: 0.3-0.60m, 0.5-1 m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: Medium Watering Rate: Low



SOIL

Type: Sand Salt-tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium





**Design Description** 

#### **Design Description**

Taflat Turky

#### **CHARACTER**

Size: Small Form: Round Color: Medium Green Foliage Type: Evergreen Leaves: Oblong linear Texture: Medium Flowers: Orange, red

#### **BEST LOCATION**

Natural Spaces Urban Parks Private Gardens Sidewalks

#### **BEST USE**

Hedge Border Plant Mass Planting Ornamental

## **ORDER**

Group

#### **GENERAL INFO**

It has a toxic milky sap containing cardiac glycosides that can be poisonous to humans and animals when ingested.

#### CHARACTER

Size: Medium Form: Round Color: Silver Green Foliage Type: Evergreen Leaves: Orbicular Texture: Fine Flowers: Green, red

#### **BEST LOCATION**

Coastal Areas Natural Spaces Sidewalks Urban Parks

#### **BEST USE**

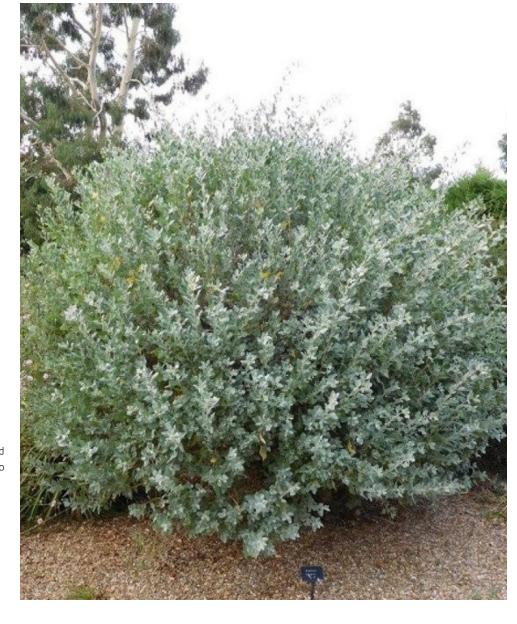
Hedge Shelterbelt Mass Planting Soil stability

#### **ORDER**

Single Group

#### **GENERAL INFO**

It cannot grow in the shade and can tolerate drought. It can also tolerate maritime exposure.





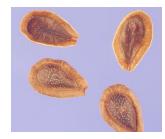
#### **GENERAL**

Origin: South American Growing: Fast Maintenance: Medium Height/spread: 1-1.5m, 0.5-1m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: Low (Resistant)



**GENERAL** 

Origin: North and East Africa Growing: Moderate Maintenance: Medium Height/spread: 2-3m, 1-2.5m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: Low Salinity: High Hardiness: Medium Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 

(\*)





**GENERAL** 

Growing: Fast

Maintenance: Low

Origin: North America

WATER

Height/spread: 0.6-3m, 1.8-2.4 mardiness: Medium

Propagation: Cutting, Seed Watering Rate: Low

Drought Resistance: High

Irrigation: Medium

Salinity: Medium



#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Bright Green

Foliage Type: Evergreen

Leaves: Obvate Texture: Fine

Flowers: White, yellow

#### **BEST LOCATION**

Urban Areas Coastal Areas Private Gardens Urban Parks Natural Spaces

#### BEST USE

Ornamental Erosion control Mass planting Wildlife

#### ORDER

Group

#### **GENERAL INFO**

Valuable for its ability to flourish in a wide range of conditions, it is drought tolerant, deer resistant, and tolerant of poor soil. It requires moderate summer watering to become established, then monthly irrigation in subsequent seasons to stay Green.



Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

SOIL

Light Requirement: Medium



## WIND

Wind Resistance: Medium Dessification: Low (Resistant)

#### **Design Description**

Bassia scoparia

Amaranthaceae, Summer Cypress

#### **CHARACTER**

Size: Medium Form: Upright Color: Green

Foliage Type: Deciduous

Leaves: Linear Texture: Hairy Flowers: Green

#### **BEST LOCATION**

Urban Areas Private Gardens Natural Spaces

#### **BEST USE**

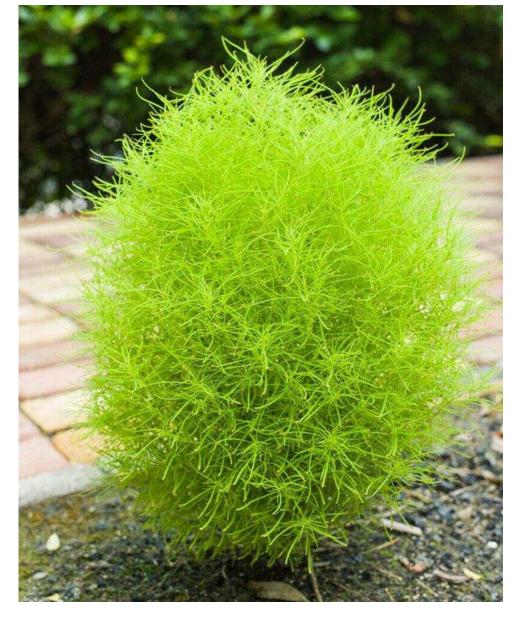
Hedge Border Plant Container

# **ORDER**

Group

#### **GENERAL INFO**

In non-native areas it's sometime considered invasive because it re-seads its self frequently.



#### **GENERAL**

Origin: Eurasia Growing: Fast Maintenance: High Height/spread: 1-1.5m, 1-1.5m Propagation: Seed



## WATER

Drought Resistance: High Irrigation: High Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand,Loam,clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: Vulnerable









#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Round, Oval

Color: Green, Red, Variegated

Foliage Type: Evergreen

Leaves: Oval Texture: Medium

Flowers: Green

#### **BEST LOCATION**

Private Gardens Sidewalk Urban Areas

#### **BEST USE**

Hedge Specimen Border Plant Indoor

#### ORDER

Group

#### **GENERAL INFO**

Snowbush has colored leaves that are Green, white, and pink. These variegated leaves makes the plant an attractive one. It's a tropical shrub need semi shade.

## **Design Description**

#### CHARACTER

Size: Medium

Form: Upright spreading

Color: Bright Green

Foliage Type: Semi Evergreen

Caesalpinia gilliesii Fabaceae, Bird-Of-Paradise

Leaves: Even Pinnate Texture: Medium Flowers: Yellow, Red

#### **BEST LOCATION**

Parking lots Urban Areas Sidewalks

#### **BEST USE**

Border Plant Mass Planting Container

## **ORDER**

Group

#### **GENERAL INFO**

This open upright shrub has a feathery appearance, with its light pinnate leaves bearing pairs of pinnae each with pairs of leaflets. It is native to Argentina and Uruguay and can grow up to 4 meters tall depending on rainfall.





#### **GENERAL**

Origin: Pacific islands of Melanesia Growing: Moderate Maintenance: High Height/spread: 1-1.5m, .5-1m Propagation: Cutting



## WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: Medium Dessification: Vulnerable



## **GENERAL**

Origin: Argentina and Uruguay Growing: Fast Maintenance: Medium Height/spread: 1.5-3m, 1.5-3m Propagation: Seed



## WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay,Loam,Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable





# **Design Description**

#### **CHARACTER**

Size: Large shrub Form: Irregular Color: Pale Green

Foliage Type: Deciduous

Leaves: Linear Texture: Fine Flowers: White Yellow

#### **BEST LOCATION**

**Desert Environments** Highways Roadside

## **BEST USE**

Hedges Screens Wall Side Borders

# **ORDER**

Group

# **GENERAL INFO**

A pleasant aromatic plant that are a good choice for a hedge.

#### **CHARACTER**

Size: Medium

Form: Upright

Color: Bright Green or Bronze,

Canna indica

**Design Description** 

Cannaceae, Indian Shot

Foliage Type: Deciduous

Leaves: Ovate Texture: Smooth

Flowers: Green, Yellow, Orange,

Red, White, Pink

#### **BEST LOCATION**

Private Gardens Urban Parks Residential Areas Sidewalks Parking lots

#### **BEST USE**

Border Plant Mass Planting Container Arrangements

# **ORDER**

Group

# **GENERAL INFO**

Canna is a herbaceous plant that grows as perennials or a tender-perennials. It has colorful foliage and lily-like flowers, that can be orange, yellow or red in color.



# **GENERAL**

Origin: tropical North, Central and South America Growing: Fast Maintenance: Medium Height/spread: 1.5-3m, .5m Propagation: Seed



# WATER

Drought Resistance: Low Irrigation: Low Salinity: Low Hardiness: High Watering Rate: High



## SOIL

Type: Clay,Loam,Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable





# **GENERAL**

Origin: Saudi Arabia, India. Growing: Slow Maintenance: Low Height/spread: 2.4-4m, 1.5-2.5m Propagation: Cutting, Seed



WATER

# Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High

Watering Rate: Low

SOIL

Type: Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



Wind Resistance: Medium Dessification: Medium



**Technical Description** 



**Technical Description** 

**Apocynaceae**, Prostrata



# **Design Description**

#### **CHARACTER**

Size: Medium Form: Spreading Color: Dark Green Foliage Type: Evergreen Leaves: Simple Texture: Medium Flowers: White

## **BEST LOCATION**

Urban Areas Coastal Areas Urban Parks

## **BEST USE**

Screen Hedge Mass planting Edible Unifiers

# **ORDER**

Group

# **GENERAL INFO**

Care should be taken when choosily plant location. All parts of the plant are toxic except for the fruit.

Krisa Zahifa

#### **CHARACTER**

Size: Large Form: Spreading Color: Green, Golden Yellow Foliage Type: Evergreen Leaves: Even pinnate **Texture:** Smooth Flowers: Yellow

**Design Description** 

## **BEST LOCATION**

Urban Parks Natural Spaces Private Gardens

#### **BEST USE**

Screen Hedge Wildlife

# **ORDER**

Group

## **GENERAL INFO**

It is bushy Evergreen shrub. The plant has a strong scent which has been variously described as being reminiscent of mice, wet dog, peanut butter, and burnt popcorn. The young shots and leaves are finely silky.





# **GENERAL**

Origin: South Africa Growing: Moderate Maintenance: Low Height/spread: 1-1.5m, 2-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



# SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High



**GENERAL** 

Origin: Tropical Africa Growing: Slow Maintenance: Medium Height/spread: 3-5m, .5-1m Propagation: Cutting, Seed



WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: High



SOIL

Type: Sand Salt-Tolerance: High

# LIGHT



WIND

Wind Resistance: Medium Dessification: Low



Light Requirement: High



# **Design Description**

#### **CHARACTER**

Size: Medium Form: Spreading

Color: Pale Green, White

Foliage Type: Evergreen

Leaves: Narrowly ovate

Texture: Glossy Flowers: Green

## **BEST LOCATION**

Urban Parks Natural Spaces Residential Areas

## **BEST USE**

Hedge Specimen Wildlife

# **ORDER**

Group

# **GENERAL INFO**

The plant is a fast-growing slender shrub. The long tubular bell-shaped Green flowers of Night Blooming Jasmine open at night to release their perfume. In the evening the fragrance becomes almost intoxicating.

# **Design Description**

#### CHARACTER

Size: Medium Form: open

Color: Pinkish Red

Foliage Type: Evergreen

Leaves: Linear Texture: Course

Flowers: Pink Flowers, Bright

Red Berries

#### **BEST LOCATION**

Urban Parks Private Gardens Coastal Areas Residential Areas

# **BEST USE**

Border Container Emphasizer

# **ORDER**

Single Group

#### **GENERAL INFO**

No serious pets or disease issues, keep an eye out for aphids, scale, spider, mites and mealybugs. Toxic to dogs and horses.





# **GENERAL**

Origin: Tropical Africa Growing: Fast Maintenance: Low Height/spread: 1.5-3m, 1.5-3m Propagation: Cutting, Seed, Layering



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



# SOIL

Type: sand, Clay, Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Low



# **GENERAL**

Origin: Asia, Australia Growing: Slow Maintenance: Low Height/spread: 1-2m, 1.5-3m Propagation: Cutting



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



SOIL

Type: Sand, Loam, Clay, Chalk Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Excellent Dessification: Resistant





**GENERAL** 

Origin: Florida

Growing: Moderate

Maintenance: Low

Height/spread: 1.5-3m, 1.5-3m

Propagation: Cutting, Seed

Sapindaceae, Native Hop Bush





WATER

Drought Resistance: High

Irrigation: Medium

Watering Rate: Low

Salinity: Medium

Hardiness: High

SOIL

LIGHT

Type: Sand, Loam

Salt-Tolerance: Medium

Light Requirement: High

# **Design Description**

#### **CHARACTER**

Size: Large Form: Oval Color: Shiny Green

Foliage Type: Evergreen

Leaves: Spatulate Oval Texture: Rough

Flowers: Greenish Yellow

## **BEST LOCATION**

Urban Parks Private Gardens Urban Areas Residential Areas

# **BEST USE**

Screen Wildlife

# **ORDER**

WIND

Wind Resistance: High

Dessification: High

# Group

## **GENERAL INFO**

The shiny leaves give a nice a decorative appearance. The Ellipticalleaf has a coating which protects it from losing

# CHARACTER

Duranta repens

**Design Description** 

Verbenaceae, Golden Dewdrop

Size: Large

Form: Round, Weeping Color: Rich Green Foliage Type: Deciduous Leaves: Narrowly ovate Texture: Medium Flowers: Blue, Purple

#### **BEST LOCATION**

Urban Areas Private Gardens Residential Areas

## **BEST USE**

Screen Ornamental Mass Planting

# **ORDER**

Single Group

# **GENERAL INFO**

Popular as a screen or Purple mass planting Background, but too vigorous to be used in small spaces.





## **GENERAL**

Origin: Florida To Belize Growing: Fast Maintenance: High Height/spread: 3-6m, 2-3m Propagation: Seed



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Low



## SOIL

Type: Loamy, Well Drained Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



## WIND

Wind Resistance: High Dessification: High









Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Low

WATER



Salt-Tolerance: Medium

LIGHT

Light Requirement: Medium

Wind Resistance: Medium Dessification: Resistant

WIND

# **Design Description**

#### **CHARACTER**

Size: Medium Form: Irregular Color: Dark Green

Foliage Type: Deciduous

Leaves: Aristate Texture: Course Flowers: Red

## **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Plazas and Squares Residential Areas

#### **BEST USE**

Ornamental Hedges Screen Mass Planting

# **ORDER**

Single Group

# **GENERAL INFO**

All parts may cause discomfort if ingested and contact with milky sap may irritate skin and eyes, however it's not poisonous.

# **Design Description**

Euryops pectinatus

Asteraceae, Golden Daisy Bush

#### **CHARACTER**

Size: Large Form: Upright Color: Green

Foliage Type: Evergreen

Leaves: Pinnate Texture: Fine Flowers: Yellow

## **BEST LOCATION**

Urban Parks Private Gardens Sidewalks Residential Areas

#### **BEST USE**

Screen shelterbelt Border

# **ORDER**

Single Group

# **GENERAL INFO**

They bloom from early summer through to autumn and into winter in areas with mild climates.



# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Low Height/spread: 0.9-1.8m, 0.5-1m Propagation: Seed, Cutting



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Sand, loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Resistant



**GENERAL** 

(Mexico)

Growing: Fast

Origin: Central America

Maintenance: Medium

Height/spread: 1.5-3m, 1-2m

Propagation: Cutting, Seed

**Technical Description** 

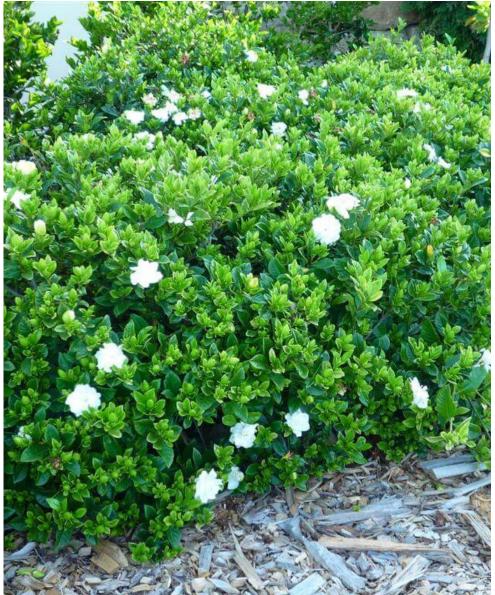




Gardenia floribunda

Rubiaceae, Gardenia Jasminoides





# **Design Description**

## **CHARACTER** Size: Medium

Form: Rounded Color: Dark Green Foliage Type: Evergreen Leaves: Narrowly ovate

Texture: Medium Flowers: White to creamy

#### **BEST LOCATION**

Sidewalks Urban Parks Private Gardens Public Plazas

## **BEST USE**

Screen Hedge Border mass planting specimen container

# **ORDER**

Group

## **GENERAL INFO**

This glossy, dark Green, Evergreen shrub is well-known for its profusion of waxy, extremely fragrant, pure white blossoms in late spring or early summer The foliage also is extremely attractive at all times



# **GENERAL**

Origin: South -East Asia Growing: Moderate Maintenance: Medium Height/spread: 1-2.5m, 1-2.5m Propagation: Cutting



# WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: High Watering Rate: High



## SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Vulnerable

# **Design Description**

Hibiscus rosa-sinensis

Malvaceae, Tropical Hibiscus

#### **CHARACTER**

Size: Medium Form: Round Color: Olive Green Foliage Type: Evergreen Leaves: Aristate

Texture: Medium Flowers: Red

## **BEST LOCATION**

Urban Areas Coastal Areas Plazas and Squares

## **BEST USE**

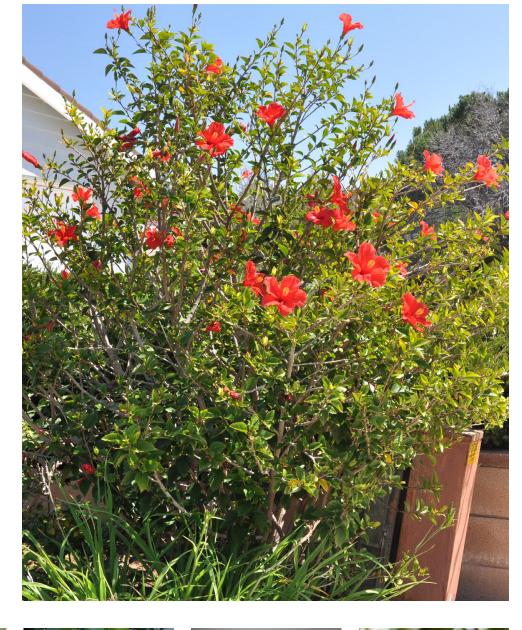
Hedges Unifiers Screens

# **ORDER**

Single Group

#### **GENERAL INFO**

A Tropical Evergreen Plant Known for its bold red blossoms.





# **GENERAL**

Origin: Tropical Asia Growing: Fast Maintenance: Low Height/spread: 2.5-3m, 1.2-1.8m Propagation: Seed



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



SOIL

Type: Loam Salt-Tolerance: Medium

## LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: Medium





Amaranthaceae, Bloodleaf

**GENERAL** 

Origin: East Asia

Growing: Moderate

Maintenance: Low

Propagation: Seed







SOIL Type: Sand, Loam Salt-Tolerance: High LIGHT

Light Requirement: High



WIND Wind Resistance: Medium Dessification: High

#### **Design Description Design Description**

Alkhatmii Alsuwriy

**CHARACTER** 

Size: Medium

Color: Dark Green

Leaves: Star shaped

Texture: Medium

**BEST LOCATION** 

Plazas and Parks

Private Gardens

Urban Parks

Sidewalks

**BEST USE** 

Hedges

Screens

ORDER

**GENERAL INFO** 

A Beautiful Specimen of

compact appearance.

the hibiscus with excellent pink flowers and an upright-

Single

Flowers: Pink

Foliage Type: Diciduous

Form: Oval

CHARACTER Size: Small Form: Round-Oval Color: Deep Red, Purple Foliage Type: Evergreen Leaves: Lanceolate Texture: Medium

Flowers: White-Cream

## **BEST LOCATION**

Private Gardens Car Parking Sidewalks Urban Areas

#### **BEST USE**

Border Plant Indoor Container Ground cover

# **ORDER**

Group

# **GENERAL INFO**

Bloodleaf plant is a colored shrub, that can be dark purple, red, dark Green with purple contrasting veins. It can be used in the landscape as an accent plant because of it showy foliage.



# **GENERAL**

Origin: Brazil Growing: Fast Maintenance: High Height/spread: .5-1m, .5-1m Propagation: Cutting, Seed



WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: High Watering Rate: High



SOIL

Type: Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High





WIND

Wind Resistance: Low Dessification: Vulnerable





Rubiaceae, Jungle Flame

**GENERAL** 

Origin: Southeast Asia

Height/spread: 1-3m, 0.9-1.5m

Growing: Moderate

Maintenance: Low

Propagation: Cutting



WATER

Drought Resistance: Medium

Irrigation: Medium

Watering Rate: Medium

Salinity: Medium

Hardiness: High

# **Design Description**

#### **CHARACTER**

Size: Medium Form: Round

Color: Deep Green

Foliage Type: Evergreen

Leaves: Aristate Texture: Medium

Flowers: Yellow, Orange, Red,

White, Pink

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Plazas and Squares

## **BEST USE**

Ornamental Screen Border Background

# **ORDER**

Single Group

#### **GENERAL INFO**

Plants in more sun will be denser and more compact, and produce more flowers. It is moderately salt tolerant, but not at all tolerant of alkaline soils, which will cause the leaves to become chlorotic (yellowish).



# SOIL

Type: Clay, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Medium

# **Design Description**

#### CHARACTER

Size: Medium Form: Spreading Color: Dark Green

Foliage Type: Evergreen

Leaves: Ovate **Texture:** Simple Flowers: White

## **BEST LOCATION**

Urban Areas Car Parking Sidewalks

## **BEST USE**

Mass Planting Container Wildlife Ground cover Trellis

# **ORDER**

Group

# **GENERAL INFO**

Arabian jasmine is a bushy vine (shoots twist and twine) or scrambling shrub with shiny dark Green leaves and fragrant little white flowers. The waxy snow white flowers are intensely fragrant. Arabian jasmine blooms throughout the summer - and almost continuously in warm climates.



# **GENERAL**

Origin: Arabia, India Growing: Fast Maintenance: Low Height/spread: 1.5-3m, 1.5-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand, Loam, Clay. Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Vulnerable







**GENERAL** 

Origin: Cube

Growing: Moderate

Height/spread: 1-4m

Maintenance: Medium

Propagation: Cutting, Seed

# Euphorbiaceae, Peregrina



WATER

Irrigation: Low

Hardiness: High

Watering Rate: Low

Salinity: Low

Drought Resistance: Medium

SOIL

LIGHT

Type: Clay, Loam, Sand

Salt-Tolerance: Medium

Light Requirement: Medium

# **Design Description**

#### **CHARACTER**

Size: Medium

Form: Open Spreading

Color: Medium, Yellow Green

Foliage Type: Evergreen Leaves: Narrowly ovate

Texture: Medium Flowers: Bright Red And Pink

## **BEST LOCATION**

Urban Areas

Highways Private Gardens

Sidewalks

Residential Areas

## **BEST USE**

Ornamental Massing Linkage

# **ORDER**

Single Group

WIND

Wind Resistance: High

Dessification: Medium

#### **GENERAL INFO**

Its fruiting trees should be kept out of children's reach as the Seed are poisonous.

# **Design Description**

#### CHARACTER

Size: Large

Form: Upright- Oval-Vase

Juniperus chinensis

Cupressaceae, Chinese Juniper

Color: Blue Green

Foliage Type: Evergreen

Leaves: Bipinnate Texture: Fine

Flowers: Yellow, Brown

## **BEST LOCATION**

Coastal areas

Urban Parks Urban Areas

Roadside

#### **BEST USE**

Screen

Border Plant Windbreak

# **ORDER**

Group

#### **GENERAL INFO**

The scale-like leaves are Green to blue-Green and usually hold their color in winter. They are usually used in gardens as screening, windbreaks and hedging.



# **GENERAL**

Origin: China and Japan Growing: Slow Maintenance: Low Height/spread: 8-15m, 5-8m Propagation: Cutting, Seed



# WATER

Drought Resistance: Low Irrigation: Low Salinity: Low Hardiness: Medium Watering Rate: Medium



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: Medium Dessification: Vulnerable







**GENERAL** 

America

Growing: Fast

Maintenance: Low

Origin: West Indies, Tropical

Height/spread: 1.5-3m, 1.5-3m

Propagation: Cutting, Seed

WATER

Drought Resistance: Low

Watering Rate: Medium

Irrigation: Medium

Salinity: Medium

Hardiness: High

SOIL

LIGHT

Type: Clay, Loam, Sand

Salt-Tolerance: Medium

Light Requirement: High

**Technical Description** 

# **Design Description**

#### **CHARACTER**

Size: Medium

Form: Spreading

Color: Dark Green

Foliage Type: Evergreen

Leaves: Ovate Texture: Rough

Flowers: Yellow, Orange, Red,

## **BEST LOCATION**

**Urban Spaces** Urban Parks

Private Gardens Public Plazas

## **BEST USE**

Hedge

Border Plant Mass Planting

Ground cover

## **ORDER**

Group

WIND

Wind Resistance: Medium

Dessification: Vulnerable

## **GENERAL INFO**

The plant is very invasive if it is not kept within boundaries. The plant's unripe fruit is poisonous. Used as a background planting or low hedges.

# **Design Description**

#### CHARACTER

Size: Small

Form: Upright

Color: Dull Green

Foliage Type: Evergreen

Lavandula angustifolia

Lamiaceae, English Lavender

Leaves: Linear Texture: Fine

Flowers: Blue, Purple

## **BEST LOCATION**

Coastal Areas

Urban Parks

Private Gardens

Plazas and Squares Residential Areas

Sidewalks

#### **BEST USE**

Mass planting Hedges

Edible

Screens

# **ORDER**

Group

## **GENERAL INFO**

A compact and tidy vanity of lavender that forms attractive domes in the garden.



# **GENERAL**

Origin: Southern Europe, North Africa Growing: Slow Maintenance: Medium Height/spread: 0.5-1m, 0.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Low



# SOIL

Type: Loam, Sand, Clay Salt-Tolerance: Medium

# LIGHT

Light Requirement: Medium



## WIND

Wind Resistance: Medium Dessification: High





Growing: Slow

Maintenance: Low

Height/spread: 1.5-3m, 1.5-3m

Propagation: Cutting, Seed

Origin: Texas, Mexico

**GENERAL** 



Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



**SOIL**Type: Loam, Sand

LIGHT

Light Requirement: High

Salt-Tolerance: Medium



# WIND

Wind Resistance: High Dessification: Medium

# **Design Description**

# CHARACTER

**Size:** Medium **Form:** Oval

**Color:** Silver, Blue-Green

**Foliage Type:** Evergreen **Leaves:** Simple

Flowers: Purple, White, Pink

## **BEST LOCATION**

Texture: Smooth

Urban Areas Urban Parks Private Gardens Natural Spaces

#### **BEST USE**

Hedge Border Plant Mass Planting Wildlife Ground cover

# ORDER

Group

## **GENERAL INFO**

Its known for its ability to quickly respond to precipitation. Rain or soil moisture quickly triggers flowering, so the plants act as living barometers.



**Apocynaceae**, Markh

Leptadenia pyrotechnica

#### CHARACTER

Size: Small
Form: Columnar
Color: Gray Green
Foliage type: Deciduous

Leaves: Linear Texture: Fine Flowers: Red

## **BEST LOCATION**

Desert Environments National Spaces Roadside

## **BEST USE**

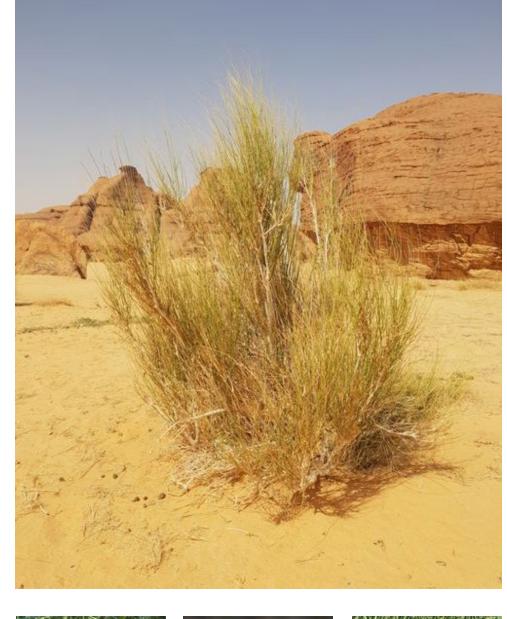
Hedges Borders Shading

# ORDER

Single

# **GENERAL INFO**

A deciduous heavily branched shrub that is usually found in the desert habitat and is generally used in medicine.





# GENERAL

Origin: Middle-East Growing: Slow Maintenance: Low Height/spread: 0.6-2.5m, 1.5-3 m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low Water Salinity: High Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High





Malvaceae, Wax Mallow



#### **CHARACTER**

Form: Upright Rounded

Flowers: Red

## **BEST LOCATION**

Urban Areas Urban Parks Private Gardens

Natural Spaces

#### **BEST USE**

Screen Hedge Windbreak Wildlife

**ORDER** Group

## **GENERAL INFO**

Turk's-cap is a type of hibiscus which its flowers don't completely open. It blooms year-round showy red flowers, and sometimes it also produces a berry red fruit.

Size: Large

Color: Dark Green

Foliage Type: Evergreen

Leaves: Ellipsoid Texture: Medium



Urban Parks Private Gardens Sidewalks

Myrtus communis L.

Myrtaceae, Myrtle

**Design Description** 

**CHARACTER** 

Color: Dark Green

Leaves: Ellipsoid

Texture: Smooth

**BEST LOCATION** 

Flowers: White

Foliage Type: Evergreen

Size: Large

Form: Oval

## **BEST USE**

Hedges and Screens Borders Mass Planting

# **ORDER**

Group

# **GENERAL INFO**

A pleasant aromatic plant that are a good choice for a hedge.





# **GENERAL**

Origin: Mexico, Central America, South America, Brazil Growing: Moderate Maintenance: Medium Height/spread: 3-5m, 1.5-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: High



# SOIL

Type: Loam, Sand, Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: low Dessification: Vulnerable



# **GENERAL**

Origin: Origin: North Africa, Western Asia, Southern Europe Growing: Slow Maintenance: Low Height/spread: 2.4-4m, 1.5-2.5 m

Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: Medium Watering Rate: Low



SOIL

Type: Loam, Sand, Clay Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium





Size: Large Form: Upright Color: Dark Green

Foliage Type: Evergreen

**Design Description** 

Tafla

Leaves: Linear Texture: Rough

Flowers: Red, Purple, White,

## **BEST LOCATION**

Coastal Areas Urban Parks Natural Spaces Highways Roadside

#### **BEST USE**

Screen Hedge Container Wildlife

# **ORDER**

Group

# **GENERAL INFO**

All parts of the plant are poisonous so special care must be taken when locating Oleander near areas frequented by small children. Also burning of the trimmings will produce toxic fumes.





# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Sand, Clay Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium

# **Design Description**

Ocimum basilicum

Lamiaceae, Sweet Basil

#### **CHARACTER**

Size: Small Form: Round Color: Bright Green Foliage Type: Evergreen Leaves: Ovate

Texture: Medium Flowers: white

## **BEST LOCATION**

Private Gardens Urban Parks Residential Areas Sidewalks

#### **BEST USE**

Edible Containers Borders

# **ORDER**

Group

# **GENERAL INFO**

A fragrant plant that gives essential oils ,widely used in cosmetic, Perfumes and soaps.



# **GENERAL**

Origin: Southern Africa, Europe Growing: Fast Maintenance: Low Height/spread: 0.3-0.6m, 0.5-0.6m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: Medium

Light Requirement: High



WIND

Wind Resistance: Low Dessification: High





**Technical Description** 

**Technical Description** 

**GENERAL** 

Growing: Fast

Maintenance: Low

Origin: Mediterranean region

Height/spread: 3-5m, 1.5-3m

Propagation: Cutting, Seed

Origin: Madagascar Growing: Moderate Maintenance: Medium Height/spread: 14m, 6-15m Propagation: Cutting, Seed



Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand, Clay, Loam Acidic Salt-Tolerance: High

#### LIGHT

Light Requirement: High

# **Design Description**

Alkady

#### **CHARACTER**

Size: Large Form: Fountain Color: Blue Green

Foliage Type: Evergreen Leaves: Sword Shaped

Texture: Coarse Flowers: White

## **BEST LOCATION**

Plazas and Squares Natural Spaces Roadside Urban Parks

#### **BEST USE**

Ornamental container

# **ORDER**

Group

## **GENERAL INFO**

Creating a striking landscape effect wherever it is used, screw-pine has a pyramidal, sometimes irregular, open, but much-branched silhouette The blue-Green foliage color adds to the striking nature of this exotic tree.



# WIND

Wind Resistance: Medium Dessification: Medium



Pennisetum setaceum

Poaceae, Fountain Grass

#### CHARACTER

Size: Small

Form: Upright-Spreading **Color:** Green, Red, Variegated

Foliage Type: Deciduous Leaves: Linear

Texture: Rough, Coarse Flowers: Brown

## **BEST LOCATION**

Sidewalks Natural Spaces Roadside Residential Areas Urban Park

## **BEST USE**

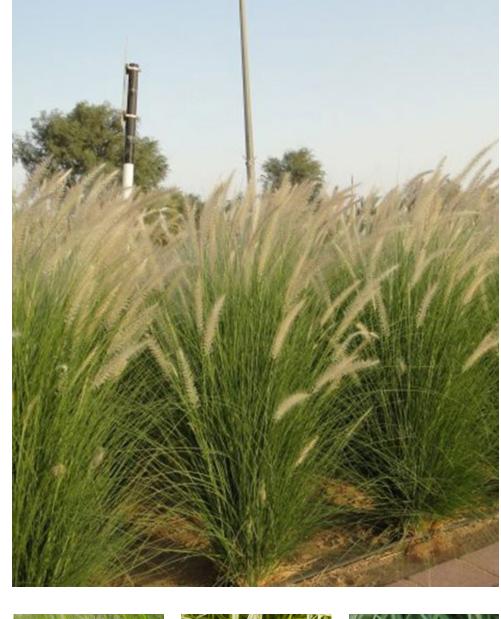
Border Plant Mass Planting Container Border

# **ORDER**

Group

# **GENERAL INFO**

This ornamental grass is very popular as it can highly withstand heat and drought. From mid-summer to fall it produces long, dropping plumes or flowers.



# **GENERAL**

Origin: Middle Africa, Southeast Asia Growing: Moderate Maintenance: Low Height/spread: 0.5-1m, 0.5-1m Propagation: Seed, Division



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



**Technical Description** 









Drought Resistance: High Irrigation: Low Salinity: Low Hardiness: Medium Watering Rate: Low



SOIL Type: Chalk, Loam, Sand Salt-Tolerance: Medium





WIND Wind Resistance: High Dessification: Low (vulnerable)

# **Design Description**

#### CHARACTER

Size: Medium Form: Vine

Albitburm

**Design Description** 

**CHARACTER** 

Size: Medium

Form: Round

Color: Deep Green

Texture: Medium

**BEST LOCATION** 

Urban Parks

Urban Areas

Coastal areas

**BEST USE** Hedge

Ornamental

Screen

**ORDER** 

Single

Group

**GENERAL INFO** 

screens in patios.

The plant can tolerate urban pollution and high coastal

conditions, often used in

landscaping as hedges and

Private Gardens

Foliage Type: Evergreen

Leaves: ObLanceolate

Flowers: White-Yellow

Color: Medium Green Foliage Type: Evergreen

Leaves: Oval Texture: Fine Flowers: Pale blue

## **BEST LOCATION**

Sidewalks Urban Parks Private Gardens Plazas and Squares

#### **BEST USE**

Container Hedge border

# **ORDER**

Group

# **GENERAL INFO**

Plumbago is excellent as a foundation planting or when used in planters. It will cascade down a retaining

wall, showing off the unusual blue flowers.





**GENERAL** 

Origin: South Africa Growing: Slow Maintenance: Medium Height/spread: 2-3m, 2.5-3m Propagation: Cutting, Seed, Divisions



WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: High



SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: Vulnerable







# **Design Description**

#### **CHARACTER**

Size: Medium

Form: Rounded-Upright

Color: Dark Green

Foliage Type: Evergreen

Leaves: Lanceolate **Texture:** Smooth Flowers:White-Pink

## **BEST LOCATION**

Urban Parks Private Gardens Sidewalks

## **BEST USE**

Ornamental Hedge

Screening Gardens

# **ORDER**

Group

# **GENERAL INFO**

A colorful, erect, woody, moderately fast-growing shrub with a attractive crown of waxy, broad, pointed, somewhat irregular, variegated leaves in a combination of different shades of Green suffused with purple and silver, and regularly produces small clusters of pink flowers.



# **GENERAL**

Origin: Polynesia Growing: Fast Maintenance: High Height/spread: 1-2m, 0.6-1.5m Propagation: Stem Cutting



# WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: High Watering Rate: High



# SOIL

Type: Clay, Sand, Loam, Acidic Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Medium



Pyracantha coccinea

Rosaceae, Scarlet Firethorn

#### **CHARACTER**

Size: Medium Form: Upright Color: Green

Foliage Type: Semi Evergreen

Leaves: Lanceolate **Texture:** Smooth Flowers: White

## **BEST LOCATION**

Private Gardens Urban Parks Urban Areas

#### **BEST USE**

Screen Hedge Container Edible Erosion control

# **ORDER**

Group

# **GENERAL INFO**

The small white clustered flowers appear in spring and are followed by red, orange or yellow berries at fall.





# **GENERAL**

Origin: Southern Europe Growing: Moderate Maintenance: Low Height/spread: 1.5-3m, 1.5-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: Medium Watering Rate: Medium, Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium







#### **CHARACTER**

Size: Medium

Form: Open

Color: Deep Green

Foliage Type: Evergreen Leaves: Palmate

**Texture**: Coarse Flowers: Red

## **BEST LOCATION**

Coastal Areas Sidewalks Residential Areas

#### **BEST USE**

Borders Containers complementary

# **ORDER**

Group

# **GENERAL INFO**

A deep bronze foliage that adds interest and drama to the sunny garden poisonous plant.

# **Design Description**

#### CHARACTER

Size: Small Form: Round

Color: Dull Green

Foliage Type: Deciduous

**Design Description** 

Leaves: Linear Texture: Fine Flowers: Yellow

## **BEST LOCATION**

Desert Environments National Spaces Roadside Urban Areas

#### **BEST USE**

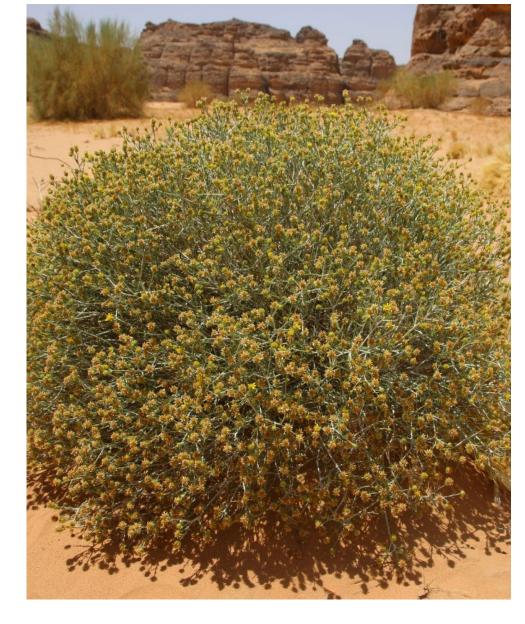
Feature tree Hedges Borders

# **ORDER**

Single Group

#### **GENERAL INFO**

National plant of Kuwait.





# **GENERAL**

Origin: Northeastern Africa to middle east Growing: Fast Maintenance: Low Height/spread: 1.8-3m, 6-1.2m Propagation: Sow, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



# WIND

Wind Resistance: Low Dessification: High



# **GENERAL**

Origin: Iran and Arabian Peninsula Growing: Fast Maintenance: Low Height/spread: 0.4-0.8 m, 1.5-2 m

Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium.Salinity: Low Hardiness: High Watering Rate: Low



# SOIL

Type: Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Medium





Aklil Aljabal



# **Design Description**

Ward

#### **CHARACTER**

Size: Medium Form: Spreading Color: Grey Green

Foliage Type: Deciduous

Leaves: Ovate Texture: Rough Flowers: Pink

## **BEST LOCATION**

Urban Areas Private Gardens Urban Parks Plazas and Squares

#### **BEST USE**

Screen Hedge Container Edible Wildlife Erosion Control

# **ORDER**

Group

## **GENERAL INFO**

One of the oldest cultivated ornamentals, highly grown and used for their beauty, food, perfume and medicine productions



# SOIL

WATER

Irrigation: High

Hardiness: High

Watering Rate: High

Salinity: Low

Drought Resistance: Low

Type: Loam, Clay Salt-Tolerance: Low

# LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Medium



Lamiaceae, Rosmary

Rosmarinus officinalis

#### CHARACTER

Size: Medium Form: Upright Color: Medium Green Foliage Type: Evergreen

Leaves: Linear Texture: Fine Flowers: Purple

## **BEST LOCATION**

Coastal Areas Private Gardens Urban Areas Urban Parks Sidewalks

## **BEST USE**

Edible Border Ornamental Mass planting Hedge

# **ORDER**

Group

# **GENERAL INFO**

The flowers of Evergreen rosemary persist through spring and summer. It's mostly used for seasoning dishes, and also commonly used as ornamental plantings in the landscape.



#### **GENERAL**

Origin: Mediterranean region Growing: Moderate Maintenance: Low Height/spread: 0.5-1.5m, 1m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



## WIND

Wind Resistance: High Dessification: Low (Resistant)



**GENERAL** 

Origin: Europe, Asia

Growing: Moderate

Maintenance: Low

Propagation: Grafting

Height/spread: 1.5-3m, 1.5-3m







**GENERAL** Origin: Mexico

Growing: Slow

Maintenance: Medium

Height/spread: 1-1.5m, 1.5-3m

Propagation: Cutting, Layering





# **Design Description**

Rusilya

#### **CHARACTER**

Size: Medium

Form: Spreading, Weeping

Color: Green

Foliage Type: Evergreen

Leaves: Spatulate Oval

Texture: Smooth Flowers: Red

#### **BEST LOCATION**

Natural Spaces Urban Parks Residential Areas

Coastal Areas

# **BEST USE**

Specimen Border Plant Mass Planting Container

Erosion control

## **ORDER**

Group

# **GENERAL INFO**

It is often used in the landscape as a groundcover or unclipped hedge or even in hanging containers for its cascading effect over a wall.



# SOIL

WATER

Irrigation: High

Hardiness: High

Watering Rate: High

Salinity: Low

Drought Resistance: Low

Type: Loam, Clay, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Vulnerable

# **Design Description**

Salvia farinacea

#### CHARACTER

Size: Small Form: Upright Color: Green

Foliage Type: Evergreen

Leaves: Ovate Texture: Medium Flowers: Purple Blue

## **BEST LOCATION**

Urban Parks Coastal Areas Private Gardens Plazas and Squares

#### **BEST USE**

Container Mass Planting Background Border

# **ORDER**

Single Group

# **GENERAL INFO**

Aphids suck plant juices and may coat the leaves with sticky honeydew.



# **GENERAL**

Origin: America, Mexico Growing: Slow Maintenance: Low Height/spread: 60-90cm, 25-Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand, Loam Salt-Tolerance: High

# LIGHT

Light Requirement: High



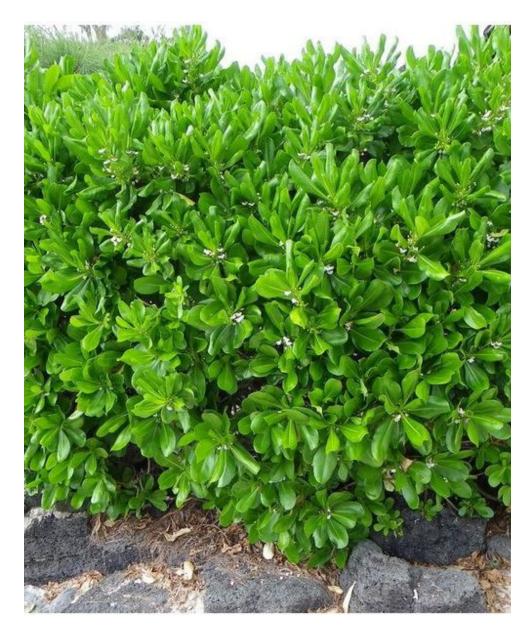
## WIND

Wind Resistance: High Dessification: Resistant





Goodeniaceae, Sea Lettuce



WATER

Drought Resistance: High

Irrigation: Medium

Salinity: Medium

Hardiness: High

Watering Rate: Low

# **Design Description**

Malfuf Alshaati

#### CHARACTER

Size: Medium

Form: Round-Spreading

Color: Green

Foliage Type: Evergreen Leaves: ObLanceolate

Texture: Medium

Flowers: yellowish-Green,

## **BEST LOCATION**

Sidewalks Urban Parks Private Gardens Coastal Areas

## **BEST USE**

Screen

Hedge

Border Plant

Mass Planting

Container

Shade Edible

#### **ORDER**

Group

# **GENERAL INFO**

The fruit or root bark of beach naupaka is used to heal cuts, skin diseases and wounds.



## SOIL

Type: sand, loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Medium

# **Design Description**

#### **CHARACTER**

Size: Medium

Form: Vase

Color: Dark Green

Foliage Type: Evergreen

Leaves: Spatulate Oval Texture: Medium

Flowers: Golden Yellow

## **BEST LOCATION**

Urban Parks Private Gardens Coastal Areas

## **BEST USE**

Screen

Ornamental Emphasizer

# **ORDER**

Single Group

# **GENERAL INFO**

It s a plant which less is more, concerning watering and feeding, too much of these will cause plant problems. Cold or dryness won't cause any serious issues.





# **GENERAL**

Origin: China Growing: Fast Maintenance: High Height/spread: 3.5m, 2m Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: Low Salinity: High Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: High



## WIND

Wind Resistance: Medium Dessification: Resistant



Light Requirement: Medium





**Technical Description** 

**GENERAL** 

Origin: Hawaii

Growing: Moderate

Maintenance: Low

Propagation: Cutting

Height/spread: 1-3m, 1-3m



Sna

# **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Green

Foliage Type: Evergreen

**Leaves:** Compound Texture: Coarse Flowers: yellow - Orange

## **BEST LOCATION**

Residential Areas Urban Parks Private Gardens Urban Areas

#### **BEST USE**

Border Container Windbreak

# **ORDER**

Group

# **GENERAL INFO**

Emperor's Candlesticks is a shrub that do very well in desert gardens. It has a yellow flower and Green Evergreen foliage.

# **Design Description**

#### **CHARACTER**

Size: Small Form: Oval Color: Dark green Foliage Type: Evergreen **Leaves:** Compound **Texture:** Coarse Flowers: Red, white

## **BEST LOCATION**

Desert Environments Natural Spaces

#### **BEST USE**

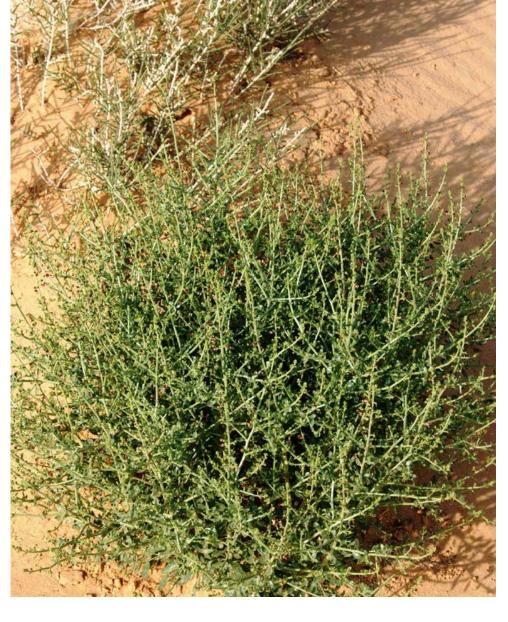
Ornamental Wall Side Borders Mass Planting

# **ORDER**

Group

# **GENERAL INFO**

A bushy shrubs that gives order grows primarily in the desert or dry shrubland



# **GENERAL**

Origin: Central and South America Growing: Fast Maintenance: Low Height/spread: 1.5-3m, 1.5-3m Propagation: Cutting, Seed, Division, Grafting



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



**GENERAL** 

Origin: Mediterranean region Growing: Medium Maintenance: Medium Height/spread: 0.5-0.75m, 0.5-0.75m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: High







It produces an abundance of



#### **CHARACTER**

Size: Medium Form: Upright

Color: Pale Green, silver Foliage Type: Evergreen

Leaves: Scale Texture: Hairy Flowers: yellow

## **BEST LOCATION**

Natural Spaces Urban Parks Private Gardens Urban Areas Residential Areas

# **BEST USE**

Hedge

# **ORDER**

# **GENERAL INFO**

yellow "pea" flowers in winter and spring.



Strelitzia nicolai

Strelitziaceae, Giant Bird Of Paradise

#### **CHARACTER**

Size: Large Form: open **Color:** Shiny Green Foliage Type: Evergreen Leaves: Linear

Texture: Medium Flowers: Bluish White

## **BEST LOCATION**

Urban Parks Private Gardens Coastal Areas

## **BEST USE**

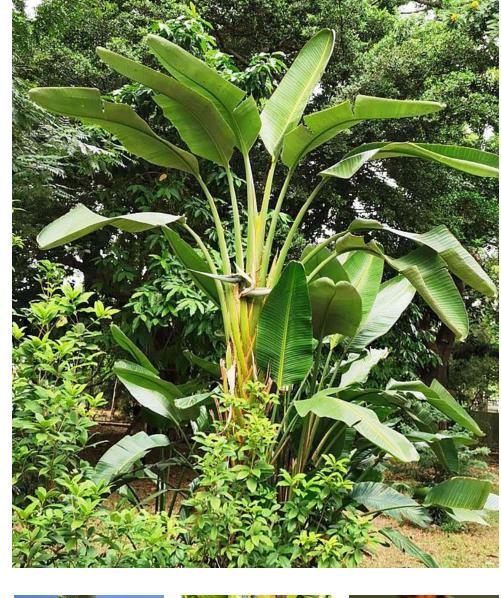
Screen Ornamental Emphasizer

# **ORDER**

Single Group

# **GENERAL INFO**

Strelitzia Nicolai is among the few plants which have been verified to contain the pigment bilirubin, which is usually found in animals.





# **GENERAL**

Origin: Australia Growing: Fast Maintenance: Low Height/spread: 1.5-3m, 1-1.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: South Africa Growing: Moderate Maintenance: High Height/spread: 6-12m, 6m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



## SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Resistant



**Technical Description** 



**Technical Description** 

# Strelitziaceae, Bird Of Paradise





# **Design Description**

Eusfur Aljanah

#### **CHARACTER**

Size: Small Form: Upright Color: Blue Green

Foliage Type: Evergreen

Leaves: Oblong Texture: Coarse Flowers: Orange, Blue

## **BEST LOCATION**

Residential Areas Urban Parks Private Gardens Urban Areas

#### **BEST USE**

Mass Planting Indoor Container Arrangements

# ORDER

Group

# **GENERAL INFO**

It's an Evergreen clump forming perennial. Its large, bold dark gray-Green leaves contrast nicely with its unusual crested flowers.

# **Design Description**

#### **CHARACTER**

Size: Large Form: Irregular Color: Dull Green

Foliage Type: Semi-Evergreen

Leaves: Narrowly Ovate Texture: Fine Flowers: Yellow

## **BEST LOCATION**

Urban Areas Sidewalks Residential Areas Urban Parks

## **BEST USE**

Borders Containers Linkage

# **ORDER**

Single Group

# **GENERAL INFO**

A Tree that boasts brilliant yellow clusters and its slightly fragrant blossoms attract butterflies and hummingbirds.



# **GENERAL**

Origin: South Africa Growing: Slow Maintenance: Low Height/spread: 0.5-1m, 1-2m Propagation: Seed, Division



# WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: High Watering Rate: High



# SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: High (Vulnerable)



## **GENERAL**

Origin: America Growing: Fast Maintenance: Low Height/spread: 3-7.5m, 3-6m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: High







# Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL Type: Sand, Clay



Light Requirement: High



Tukwmarya

**Design Description** 

**CHARACTER** 

Size: Medium

Form: Upright

Color: Glossy Green

Leaves: Ellipsoid

Texture: Medium

**BEST LOCATION** 

Natural Spaces

Private Gardens

Residential Areas

Urban Parks

Urban Areas

Roadside

**BEST USE** 

Mass planting

**GENERAL INFO** 

It's an attractive ornamental

garden plant commonly used for screening and decorative purposes, and can also be trimmed to form a hedge.

ornamental Hedge

Screens

**ORDER** 

Group

Scarlet

Foliage Type: Evergreen

Flowers: Orange, Yellow,

WIND Wind Resistance: Medium Dessification: Vulnerable



#### CHARACTER

Size: Large Form: Round Color: Medium Green Foliage Type: Evergreen

Leaves: Linear Texture: Fine Flowers: Yellow

## **BEST LOCATION**

Urban Areas Sidewalks Medians and Islands Roadside

#### **BEST USE**

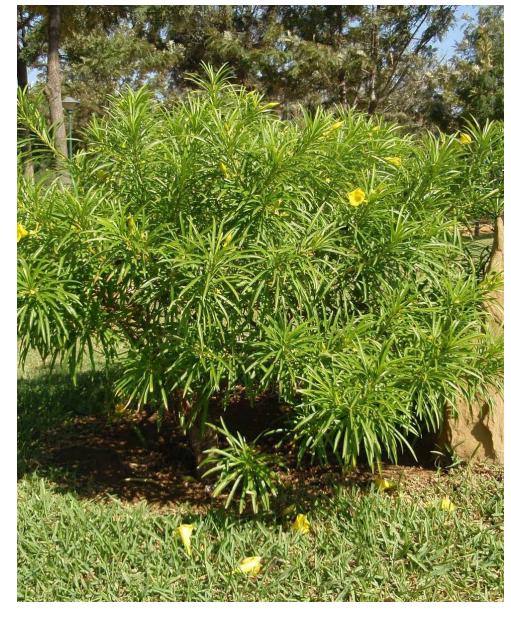
Shade Hedges

# **ORDER**

Single Group

# **GENERAL INFO**

A plant that is widely used in folk medicine in central & south America and also being valued for its floral display poisonous plant.





**GENERAL** 

Origin: Tropical America Growing: Fast Maintenance: Medium Height/spread: 2-8m, 1-3m Propagation: Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: Medium Watering Rate: High



SOIL

Type: Sand, Loam Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium









# **Design Description**

## CHARACTER

Size: Medium Form: Vase , open Color: Dark Green Foliage Type: Deciduous Leaves: Lanceolate Texture: Medium

Flowers: Purble, White

#### **BEST LOCATION**

Urban Areas Private Gardens Urban Parks Residential Areas

# **BEST USE**

Border Mass Planting Hedge Screen

# ORDER

Single Group

# **GENERAL INFO**

A non-native tree that does best in hot weather with a touch of purple colour.



# **GENERAL**

Origin: Mediterranean to pakistan Growing: Fast Maintenance: Medium Height/spread: 2.5-3m,1.5-2.5m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Medium



SOIL

Type: clay , loam , sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



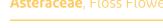
WIND

Wind Resistance: Low Dessification: Medium











# **Design Description**

#### **CHARACTER**

Size: Small Form: Round

Color: Medium Green

Foliage Type: Evergreen Leaves: Cordate

Flowers: Red, Purple, Blue

## **BEST LOCATION**

Texture: Medium

Urban Areas Urban Parks Private Gardens Plazas and Squares

#### **BEST USE**

Ornamental Mass planting Border Container

**ORDER** Group

#### **GENERAL INFO**

The plant can grow in a partial shade and is perfect container plant for balconies it is considered a perennial plant.

#### CHARACTER

Size: Small Form: Spreading

Color: Deep Green, Pink, White

Alternanthera ficoidea

Amaranthaceae, Joseph's Coat

Foliage Type: Evergreen Leaves: Aristate

**Design Description** 

Texture: Medium Flowers: White

## **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Plazas and Squares Medians and Islands

# **BEST USE**

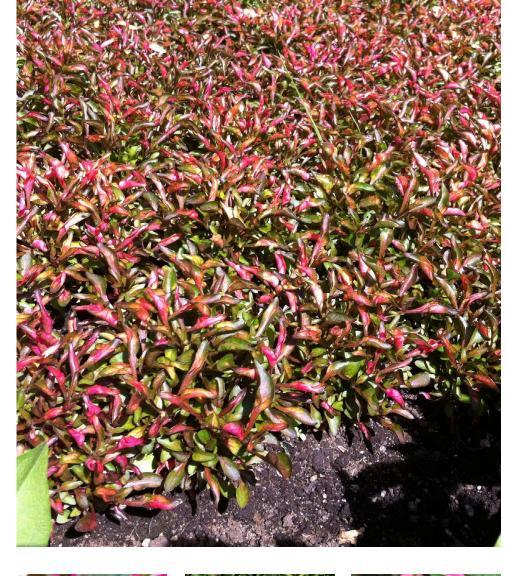
Ornamental Mass planting Border Container

# **ORDER**

Group

# **GENERAL INFO**

Commonly used as a massing ornamental ground cover in gardens and public parks because of its colorful leaves it is considered a perennial plant.



# **GENERAL**

Origin: Central America Growing: Moderate Maintenance: Medium Height/spread: <0.5m, <0.1m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

## LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: South America Growing: Fast Maintenance: Low Height/spread: 0.2-0.3m, 0.2-Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: high Dessification: Medium



**Technical Description** 



# Plantaginaceae, Snapdragon





# **Design Description**

#### **CHARACTER**

Size: Small Form: Round

Color: Yellow, Orange, Red

Foliage Type: Semi Evergreen

Leaves: Narrowly Ovate Texture: Medium

Flowers: Colorful

# **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Plazas and Squares

#### **BEST USE**

Ornamental Mass planting Border Background

## **ORDER**

Group

# **GENERAL INFO**

The dwarf varieties of them are excellent for bedding, while tall varieties make colorful background plants.

# **Design Description**

#### CHARACTER

Size: Small Form: Spreading Color: Rich Green Foliage Type: Evergreen **Leaves:** Ellipsoid Texture: Fine

Flowers: Pink to Purple

## **BEST LOCATION**

Coastal areas Urban Parks Private Gardens

# **BEST USE**

Ornamental Slopes

## **ORDER**

Group

## **GENERAL INFO**

A very good choice as a succulent groundcover or to prevent erosion of banks & slopes.





# **GENERAL**

Origin: Southwestern Europe Growing: Fast Maintenance: Medium Height/spread: <0.5m, <0.1m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

## LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Low (Resistant)



# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Low Height/spread: 0.15m, 0.3-0.6m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Sand, Loam Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium









# Asparagaceae, Foxtail Asparagus



# **Design Description**

#### **CHARACTER**

Size: Medium Form: Spreading Color: Bright Green

Foliage Type: Evergreen

Leaves: Linear Texture: Coarse Flowers: Yellow to white

## **BEST LOCATION**

Private Gardens

# **BEST USE**

Mass Planting Green wall Container

# ORDER

Group

# **GENERAL INFO**

Houseplant will fern-like foliage and yellowish blooms.

# **Design Description**

Baileya multiradiata

Asteraceae, Desert Marigold

#### CHARACTER

Size: Medium Form: Upright Color: Grey Green Foliage Type: Deciduous

Leaves: Lobed Texture: Fine Flowers: Yellow

## **BEST LOCATION**

Private Gardens Natural Spaces Sidewalks Car Parking

#### **BEST USE**

Containers Borders Ornamental

# **ORDER**

Group

# **GENERAL INFO**

Gives a ray of sunshine in the dry sunny garden it is considered a perennial plant.





# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Low Height/spread: 0.5 - 1m, 0.5-1m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Low

## LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: High



**GENERAL** 

Origin: South America Growing: Fast Maintenance: Low Height/spread: 1-1.5 m, 0.5-1m Propagation: Seed, Division



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: Medium



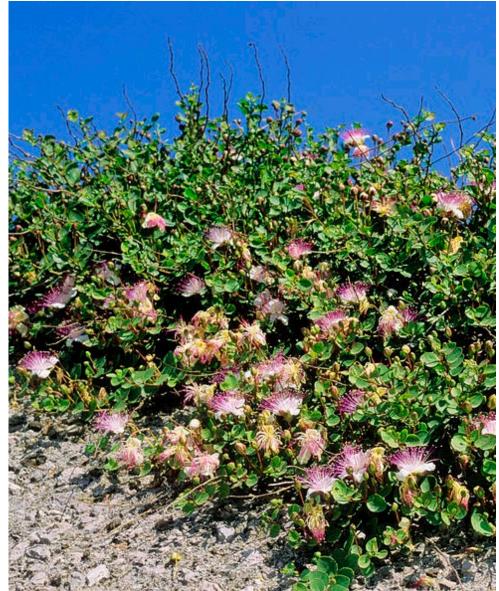




**Technical Description** 

# Capparaceae, Caper





# **Design Description**

Kapar

#### **CHARACTER**

Size: Medium Form: Spreading Color: Dark Green

Foliage Type: Evergreen

Leaves: Obvate Texture: Medium Flowers: White, pink

## **BEST LOCATION**

Private Gardens Urban Parks Sidewalks

## **BEST USE**

Container Edible Borders

# **ORDER**

Group

# **GENERAL INFO**

It is often planted as an ornamental, and is also used as a wind barrier along highways and fodder for stock.

# **Design Description**

#### CHARACTER

Size: Small Form: Spreading Color: Dull Green Foliage Type: Evergreen Leaves: Lanceolate

Texture: Fine

Flowers: Yellow, Light Pink

Carpobrotus edulis

Aizoaceae, Hottentot Fig

## **BEST LOCATION**

Medians and Islands Urban Areas Natural Spaces Coastal Areas

#### **BEST USE**

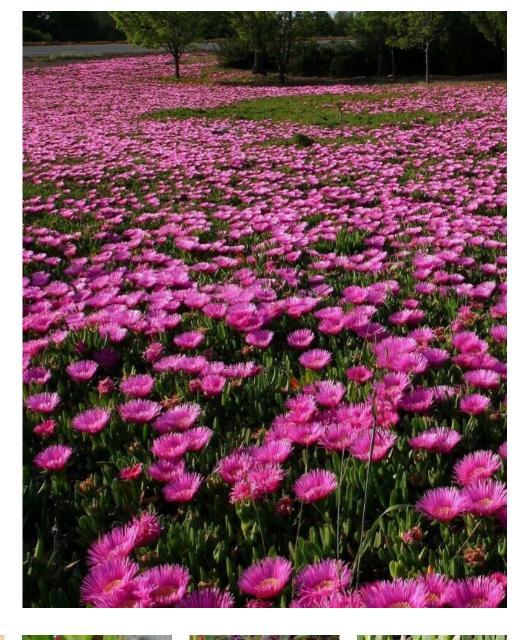
Softener Edible

# **ORDER**

Group

# **GENERAL INFO**

A Plant that stays low to the ground or will cascade over a retaining wall.





# **GENERAL**

Origin: Mediterranean Region Growing: Fast Maintenance: Low Height/spread: 0.5-1 m, 1-2m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Low Height/spread: .15m, 0.3m Propagation: Cutting



WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium





# **Apocynaceae**, Bright Eyes





# **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Deep Green

Foliage Type: Evergreen Leaves: Oblong linear

Texture: Medium Flowers: Red, Purple, White,

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Plazas and Sqaures

## **BEST USE**

Ornamental Mass planting Border Background

# ORDER

Group

#### **GENERAL INFO**

The plant and flowers highly tolerate heat and drought. It can be placed in coastal areas as it's very salt-tolerant.

# **Design Description**

#### **CHARACTER**

Size: Large Form: Upright Color: Green

Foliage Type: Deciduous Leaves: Sagittate, Arrow

Texture: Medium Flowers: Yellow, Orange, Red, Purple

Celosia argentea

Amaranthaceae, Plumed Cockscomb

## **BEST LOCATION**

Urban Areas Urban Parks Natural Spaces Private Gardens

# **BEST USE**

Border Plant Container Ground cover

# **ORDER**

Single Group

# **GENERAL INFO**

Used as a Bedding Plant, Cut flower, Groundcover, Mixed Border, Rock Garden / Wall, Tropical, Wildflower it is considered a perennial plant.



# **GENERAL**

Origin: India

/< 0.5 m

Growing: Fast

Maintenance: Low

Propagation: Seed

Height/spread: less than 0.5m

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium

WATER



## SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Low

# LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium



Origin: Madagascar Growing: Fast Maintenance: Medium Height/spread: 0.5-0.8m, <0.3m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand, Clay, Loam Salt-Tolerance: High

## LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Medium



**Technical Description** 





# **Design Description**

#### **CHARACTER**

Leaves: Linear

Size: Large
Form: Upright spreading
Color: bluish-green
Foliage Type: deciduous

**Texture:** Medium **Flowers:** purple, gray or

#### **BEST LOCATION**

Urban Areas Coastal Areas

#### **BEST USE**

yellowish

Slope Desert Garden

#### **ORDER**

Single Group

#### **GENERAL INFO**

Buffel grass alters fire regimes. Buffel grass changes plant communities by encouraging and carrying wildfires through communities that are not adapted to fire. It burns readily (even when green) and recovers quickly after fire.



#### CHARACTER

Size: Medium
Form: Upright
Color: Silver Green
Foliage Type: Evergreen
Leaves: V-shaped
Texture: Medium
Flowers: Gold yellow

## **BEST LOCATION**

Private Gardens Urban Areas Public Parks Plazas and Squares

## **BEST USE**

Ornamental Mass planting Border Background

# ORDER

Single Group

# **GENERAL INFO**

It is tolerant of the wind and salt spray of seashore conditions.





# **GENERAL**

Origin: South Asia and much of Africa Growing: Fast Maintenance: High Height/spread: 0.30-1.50m, 1-2.4m Propagation: Division, Seed



# WATER

Drought Resistance: High Irrigation: High Salinity: High Hardiness: High Watering Rate: High



# SOIL

Type: Alkaline, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: Mediterranean region Growing: Moderate Maintenance: Low Height/spread: 0.3-0.6m, 0.6-0.9m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Low



## SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium





**Asparagaceae**, Spider Plant



# **Design Description**

#### **CHARACTER**

Size: Medium

Form: Upright spreading

Color: Green, Variegated

Foliage Type: Evergreen Leaves: Linear

Texture: Glossy Flowers: White

## **BEST LOCATION**

Urban Areas Private Gardens Urban Parks

## **BEST USE**

Border Plant Mass Planting Container Ground cover

#### ORDER

Single Group

# **GENERAL INFO**

The plants producing stolon's and offset. It is one of the most commonly used house plants as it can bear full shady condition. In warm and hot regions it is used as ground cover.

#### CHARACTER

Size: Medium Form: Upright

Color: Colorful

Foliage Type: Evergreen

Leaves: Aristate Texture: Medium

Flowers: White, blue, purple

Lamiaceae, Coleus

**Design Description** 

Coleus scutellarioides

## **BEST LOCATION**

Private Gardens Urban Areas Urban Parks

## **BEST USE**

Ornamental Mass planting Border Edge

# **ORDER**

Single Group

# **GENERAL INFO**

The foliage can vary widely in shape, style, and color. Breeders regularly produce new introductions with even more unusual colors and patterns.



# **GENERAL**

Origin: South Africa Growing: Fast Maintenance: Medium Height/spread: < 0.50 m /< 0.50 m Propagation: Stolons



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Low



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: Southeast Asia Growing: Fast Maintenance: Low Height/spread: 0.5-0.6m, 0.4-0.5m Propagation: Cutting



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: Medium





Crinum asiaticum







WATER Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium, High

Watering Rate: Low



Type: Sand, Loam



Light Requirement: High



**Design Description** 

Form: Clump-forming Grass

Color: Grey Green, White

Foliage Type: Evergreen

**CHARACTER** 

Size: Medium

Leaves: Linear

Texture: Rough

Flowers: White

**BEST LOCATION** 

Private Gardens

**BEST USE** 

Border Plant

Mass Planting Container

Ground cover

**GENERAL INFO** 

Pampa grass is one of the most well known ornamental grass

used in landscaping. Originated from Argentine from the Pampas

the grass can handle frost, some

heat, drought and salt. It forms a

large clumps, featuring arching

topped in fall by huge, feathery,

narrow Green leaves that are

silvery white flowers.

Screen

Wildlife

**ORDER** 

Group

Plazas and Squares

WIND Wind Resistance: High Dessification: High

# **Design Description**

#### CHARACTER

Size: Medium Form: Star shaped Color: Green, Blue-Green Foliage Type: Evergreen

Leaves: Linear **Texture:** Coarse

Flowers: Red, Purple, White

## **BEST LOCATION**

Urban Areas Urban Parks Private Gardens Coastal Areas Sidewalks

## **BEST USE**

Border Plant Container Mass Planting Background

# **ORDER** Group

# **GENERAL INFO**

Crinum lily is an Evergreen, large, perennial, bulbous, rosette-like herb. It as numerous, flat, strap-like oblong, aCuttinge leaves that are up to 2 m long and clasp at the base, The flowers are pleasantly fragrance, especially during the night and morning hours, poisonous plant.



#### **GENERAL**

Origin: Tropical and Sub-tropical Asia Growing: Fast Maintenance: Low Height/spread: 1-1.5m, 1-1.5m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High





Wind Resistance: High Dessification: Medium



WIND



# **ORDER**

Group

# **GENERAL INFO**

The bluish-Greenish leaf is

# **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Blue-Green

Foliage Type: Evergreen

Leaves: Linear Texture: Medium Flowers: Brown

## **BEST LOCATION**

Urban Areas Urban Parks Natural Spaces

## **BEST USE**

Mass planting Border Edible Container

Single

sharp or course when touched. The base of the leaves is collected and Cutting for spices.

# **GENERAL**

Origin: South Asia Growing: Fast Maintenance: Medium Height/spread: 0.5-1 m, 0.5-1m Propagation:



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



# WIND

Wind Resistance: Low Dessification: Low

**Design Description** 

Cynodon dactylon

Poaceae, Bermuda Grass

#### CHARACTER

Size: Small Form: Upright Color: Green, Variegated Foliage Type: Evergreen

Leaves: Linear **Texture:** Glossy Flowers: White

## **BEST LOCATION**

Urban parks Private Gardens Urban Areas Natural Spaces Plazas and Squares

# **BEST USE**

Yards Mass planting

# **ORDER**

Group

# **GENERAL INFO**

An amazing xeric lawn grass perfect for high traffic and play areas and has excellent durability in yards.



# **GENERAL**

Origin: southern Africa Growing: Fast Maintenance: Low Height/spread: 5-30 cm, 1-1.5 Propagation: Seed



# WATER

Drought Resistance: High Irrigation: High Salinity: Medium Hardiness: Medium Watering Rate: High



# SOIL

Type: Sand, Heavy Clays Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High











**Technical Description** 

# Caryophyllaceae, Carnation

# **Design Description**

## **CHARACTER**

Size: Large Form: Upright Color: Dull Green

Foliage Type: Evergreen

Leaves: Linear Texture: Fine Flowers: Pink-Yellow

## **BEST LOCATION**

Urban Areas Urban Parks Natural Spaces Coastal Areas

#### **BEST USE**

Mass planting Border Edible Ornamental

# **ORDER**

Single Group

#### **GENERAL INFO**

It has a sweet fragrance, and a sweet taste as well so used in some perfumes it is considered a perennial plant.



# **GENERAL**

Origin: South Asia Growing: Moderate Maintenance: Medium Height/spread: 1-1.5m, <0.5m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: High

## LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Medium

# **Design Description**

Dianthus chinensis

**Caryophyllaceae**, African Dogstooth Grass

#### CHARACTER

Size: Medium Form: Upright Color: Light Green Foliage Type: Deciduous

Leaves: Linear Texture: Fine

Flowers: Red, White, pink

## **BEST LOCATION**

Urban Areas Sidewalks Private Gardens Urban Parks

#### **BEST USE**

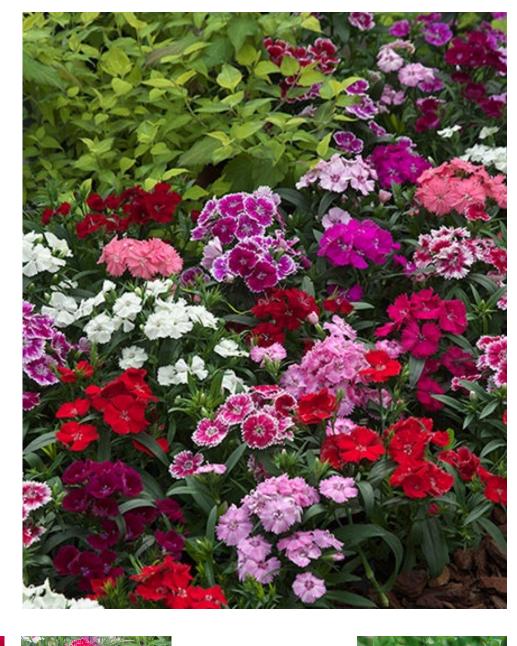
Containers Borders Unifiers

# **ORDER**

Group

# **GENERAL INFO**

Chinese pink will fill your garden or container with their vibrant colors before you know it, it is considered a perennial plant.





# **GENERAL**

Origin: China Growing: fast Maintenance: Medium Height/spread: .5m, .5-1m Propagation: Seed



# WATER

Drought Resistance: Low Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



## SOIL

Type: Loam ,Sand Salt-Tolerance: Medium

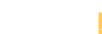
# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium







Aizoaceae, The Hairy Deflower





#### **CHARACTER**

Size: Medium

Form: Upright, Spreading

Color: Reddish Green

Foliage Type: Evergreen

Leaves: Bipinnate Texture: Coarse

Flowers: Purple, Pink

## **BEST LOCATION**

Car Parking Coastal areas

Medians and Islands

#### **BEST USE**

Ornamental

# **ORDER**

Group

#### **GENERAL INFO**

An Evergreen perennial with finger shaped succulent leaves that create a dense mat.

# **Design Description**

#### CHARACTER

Size: Small Form: Upright

Color: Deep Green

Foliage Type: Evergreen

Leaves: Narrowly Ovate

Texture: Medium

Flowers: Yellow, orange, white

## **BEST LOCATION**

Coastal areas

Urban Parks

Car Parking

Sidewalks

Medians and Islands

# **BEST USE**

Slopes & Banks Groundcovers

Borders Unifiers

## **ORDER**

**GENERAL** 

Growing: Fast

Origin: South Africa

Maintenance: Low

Propagation: Seed

Height/spread: .5m, <.5m

Group

# **GENERAL INFO**

Prized by gardeners for their dazzling colors + gazanias are ideal plants to add drama to sunbaked sites with dry soil, it is considered a perennial plant.



Drought Resistance: Medium Irrigation: High Salinity: High Hardiness: High

Type: Loam ,Sand Salt-Tolerance: Medium

#### LIGHT

SOIL



# **GENERAL**

Origin: Namibia, South Africa Growing: Fast Maintenance: Low Height/spread: .1-.5m, 0.5-1m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium



## WATER

Watering Rate: Medium



Light Requirement: High





Wind Resistance: Medium Dessification: Medium





Asteraceae, One Flowered

### **Design Description**

#### **CHARACTER**

Size: Small

Form: Spreading Upright

Color: Dull Green

Foliage Type: Deciduous

Leaves: Narrowly Ovate

**Texture:** Fine **Flowers:** yellow

#### **BEST LOCATION**

Urban Areas Coastal Areas Urban Parks

Medians and Islands

#### **BEST USE**

Mass planting Container borders

#### **ORDER**

Group

### **GENERAL INFO**

A very dependable groundcover in parks and large gardens with adverse growing conditions such as dry and exposed sites.

# **Design Description**

Hymenocallis narcissiflora

Amaryllidaceae, Spider Lily

#### **CHARACTER**

**Size:** Medium **Form:** Upright

Color: Medium Green
Foliage Type: Evergreen

**Leaves**: Oblong **Texture**: Coarse

Flowers: White, yellow

#### **BEST LOCATION**

Natural Spaces Urban Parks Private Gardens Urban Areas

Residential Areas

#### **BEST USE**

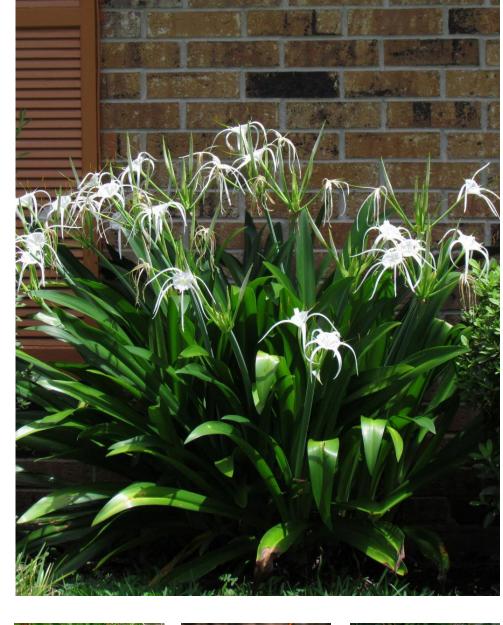
Ornamental Mass planting Border Hedge

# ORDER

Single Group

#### **GENERAL INFO**

Their worst enemy is excess moisture, which can rot the roots and the bulb. All its parts are poisonous if eaten.



# **GENERAL**

Origin: South Africa Growing: Moderate Maintenance: Low Height/spread: 0.1-0.5m, 0.5m Propagation: Layering, Cutting



# WATER

Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: Sub-tropical,Tropical Americas Growing: Fast Maintenance: Low Height/spread: 0.6m, 0.2m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Low



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

### LIGHT

Light Requirement: Medium



#### WIND

Wind Resistance: Medium Dessification: Medium



**GENERAL** 

Growing: Fast

0.4m

Origin: South Africa

Maintenance: Low

Height/spread: 0.1-0.5m, 0.1-

Propagation: Cutting, Seed

# Aizoaceae, Rosy Dewplant



WATER

Irrigation: Low

Salinity: Medium

Hardiness: High

Watering Rate: Low

Drought Resistance: High

#### **Design Description**

#### **CHARACTER**

Size: Small Form: Upright Color: Pale Green Foliage Type: Evergreen

Leaves: Linear Texture: Fine Flowers: Pink

#### **BEST LOCATION**

Coastal Areas Private Gardens Urban Parks Urban Areas

#### **BEST USE**

Ornamental Mass planting Border Edge

# **ORDER**

Single Group

#### **GENERAL INFO**

Those plant prefers sunny conditions and, in most species, the flowers open in the sun. It has flowers in shades of pink to purple and forms small shrubs.



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

# LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium

### **Design Description**

Moraea sisyrinchium

Iridaceae, Barbary Nut Iris

#### CHARACTER

Size: Small Form: Upright Color: Dull Green Foliage Type: Evergreen Leaves: Sword Shape, Linear Texture: Fine

Flowers: Dark Blue, Violet

#### **BEST LOCATION**

Urban Parks Desert Environments

#### **BEST USE**

Mass planting

#### **ORDER**

Group

#### **GENERAL INFO**

A rural plant with medical value that is suitable in gardens and parks.





# **GENERAL**

Origin: Mediterranean region and Asia Growing: Fast Maintenance: Low Height/spread: 0.3-0.6m, 0.15-0.3 m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



#### SOIL

Type: Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Low







#### **CHARACTER**

Size: Small Form: Spreading

Color: Gray Green

Foliage Type: Evergreen

Leaves: Narrowly Ovate Texture: Coarse

Flowers: Lilac, White

#### **BEST LOCATION**

Coastal Areas Urban Parks Private Gardens

#### **BEST USE**

Ornamental Wildlife

#### **ORDER**

Group

#### **GENERAL INFO**

A rural plant with medical value that is suitable in gardens and parks.

# **Design Description**

#### CHARACTER

Size: Small Form: Weeping Color: Light Green Foliage Type: Evergreen Leaves: Ovate

Texture: Medium Flowers: Yellow, Purple

#### **BEST LOCATION**

Coastal Areas Sidewalks Urban Parks Private Gardens

#### **BEST USE**

Mass planting

# **ORDER**

Group

#### **GENERAL INFO**

A tough , resilient plant that is valued for its long season of reliable blooms.





# **GENERAL**

Origin: Mediterranean region and Asia. Growing: Fast Maintenance: Low Height/spread: 0.3-0.6m, 0.3-0.6 m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



# **GENERAL**

Origin: Uruguay Growing: Fast Maintenance: Low Height/spread: 0.3-0.6m, 1-1.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Loam ,Sand, clay Salt-Tolerance: Medium

# LIGHT



WIND

Wind Resistance: Low Dessification: High



Light Requirement: Medium





**Technical Description** 

Poaceae, Seashore Paspalum





### **Design Description**

#### **CHARACTER**

Size: Medium

Form: Upright spreading

Color: green, Yellow

Foliage Type: Evergreen

Leaves: Scale Texture: Fine

Flowers: Green, White

#### **BEST LOCATION**

Natural Spaces Urban Parks Private Gardens Urban Areas Coastal Areas

#### **BEST USE**

Mass Planting Ground cover

#### ORDER

Group

### **GENERAL INFO**

This grass has been bred into cultivars which are used for golf course turf and other landscaping projects. It forms a higher quality turf than bermudagrass in poor conditions, such as wet soils and low light levels, and with fewer nitrogen soil amendments.



# **GENERAL**

Origin: World, Pandemic Growing: Moderate Maintenance: Medium Height/spread: less than 0.50m Propagation: Cutting

# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



# SOIL

Type: Clay, Sand , Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Medium

### **Design Description**

Pelargonium crispum

**Geraniaceae**, Lemon Granium

#### CHARACTER

Size: Medium Form: Upright Color: Dull Green

Foliage Type: Evergreen

Leaves: Orbicular Texture: Medium Flowers: White, Purple, Orange, Red

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens

#### **BEST USE**

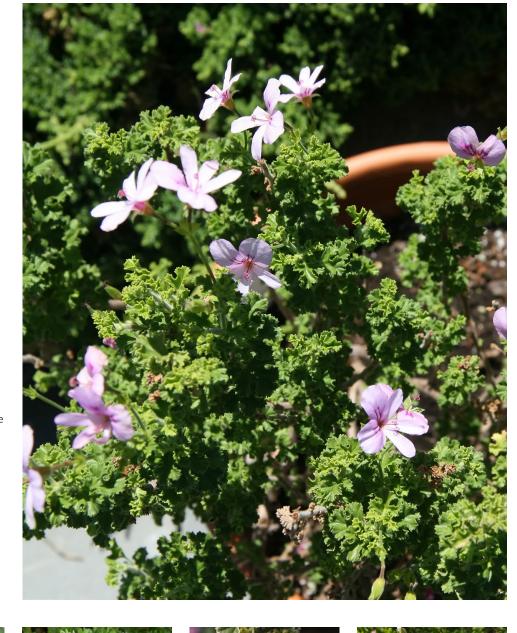
Unifiers Containers Borders

#### **ORDER**

Group

# **GENERAL INFO**

Usually fragrant plant and have showy flower & foliage.





# **GENERAL**

Origin: Mediterranean Growing: Fast Maintenance: Medium Height/spread: 0.5-1m, 0.3-0.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium





**GENERAL** 

Growing: Fast

0.3m

Origin: South Africa

Maintenance: Low

Height/spread: 0.2-0.6m, 0.2-

Propagation: Cutting, Seed

**Technical Description** 

# **Geraniaceae**, Horseshoe Geranium



#### **CHARACTER**

Size: Medium Form: Upright Color: Pale Green

Foliage Type: Semi Evergreen

Leaves: Orbicular Texture: Coarse Flowers: Colorful

#### **BEST LOCATION**

Private Gardens Urban Areas Urban Parks Plazas and Squares

#### **BEST USE**

Ornamental Mass planting Border Background

#### **ORDER**

Single Group

#### **GENERAL INFO**

There are many varieties of Geranium with flower colors of red, pink, white, orange, or combinations of these. Dead blossoms should be removed regularly to promote continued flowering it is considered a perennial plant.



#### SOIL

WATER

Drought Resistance: High

Irrigation: Medium

Hardiness: Medium

Watering Rate: Medium

Salinity: Medium

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Medium



Petunia hybrida

Solanaceae, Petunia

#### CHARACTER

Size: Small Form: Spreading Color: Dull Green Foliage Type: Deciduous

Leaves: Ovate Texture: Medium

Flowers: Red, Purple, White,

#### **BEST LOCATION**

Urban Areas Private gardens Plazas and Squares Sidewalks

#### **BEST USE**

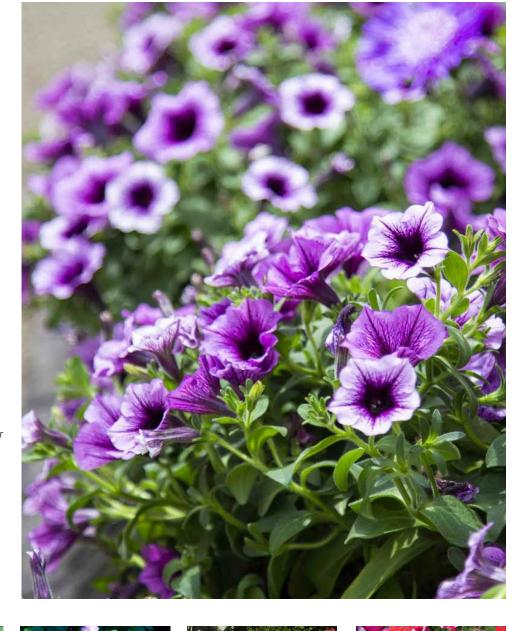
Container Edge Unifier

# **ORDER**

Group

# **GENERAL INFO**

It's the most cultivated summer color plant for its various flowers' colors that have a great visual impact.





# **GENERAL**

Origin: North, Central America Growing: Fast Maintenance: Medium Height/spread: <0.5m, <0.5m Propagation: Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: High



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Low

### LIGHT

Light Requirement: High

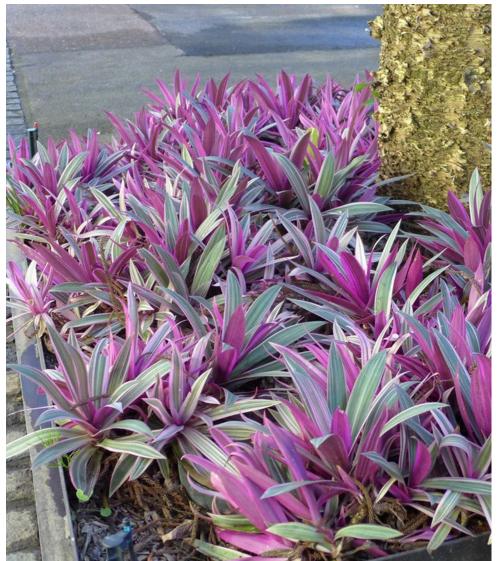


#### WIND

Wind Resistance: Medium Dessification: Medium







#### **CHARACTER**

Size: Medium Form: Upright **Color:** Purple Green Foliage Type: Evergreen

Leaves: Linear Texture: Coarse Flowers: White

#### **BEST LOCATION**

Urban Parks Urban Areas Natural Spaces

#### **BEST USE**

Ornamental Mass planting Border Edge

#### **ORDER**

Single Group

# **GENERAL INFO**

The sap may cause brief stinging and itching of the skin to some people, and when eaten, it will cause severe burning pain in the mouth and throat.

# Flowers: Pink **BEST LOCATION**

Texture: Fine

Desert Environments Coastal Areas Urban Areas

Rumex vesicarius L.

Polygonaceae, Ruby Dock

**Design Description** 

**CHARACTER** 

Form: Round

Color: Pale Green

Leaves: V-shaped

Foliage Type: Evergreen

Size: Tall

#### **BEST USE**

Ornamental Coastal parks Hedge

### **ORDER**

Single Group

#### **GENERAL INFO**

A widespread plant rural plant that has a medical use.



# **GENERAL**

Origin: Southern Mexico Growing: Moderate Maintenance: Low Height/spread: 0.2-0.5m, 0.4-0.6m Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: High Dessification: Medium



# **GENERAL**

Origin: Mediterranean Region and Asia. Growing: Fast Maintenance: High Height/spread: 0.2-1.00m, 0.5-1 m

Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Low





# **Asparagaceae**, Mouse Thorn





### **Design Description**

#### **CHARACTER**

Size: Small Form: Upright Color: Medium Green Foliage Type: Evergreen Leaves: Aristate

Texture: Medium Flowers: White

#### **BEST LOCATION**

Coastal Areas Private Gardens Urban Areas Urban Parks

#### **BEST USE**

Border Ornamental Mass planting Hedge

#### **ORDER** Single

Group

# **GENERAL INFO**

Flowering is followed by shiny, bright red berries in summer. The berries are edible in small quantities because may be mildly toxic and cause vomiting



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Low



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium

#### **Design Description**

Lamiaceae, Garden Sage

#### **CHARACTER**

Saliva

Size: Large Form: Upright Color: Light Green Foliage Type: Evergreen Leaves: Lanceolate

Texture: Medium

Flowers: Purple, Blue, White,

#### **BEST LOCATION**

Private Gardens Urban Areas Public Parks Plazas and Squares

#### **BEST USE**

Ornamental Mass planting Border Background

# **ORDER**

Single Group

# **GENERAL INFO**

Blooms of most salvia plants are long lasting and attract butterflies and pollinators. Salvia plant types may be annual or perennial, most are rapid growers and tolerate summer heat.



# **GENERAL**

Origin: Mexico Growing: Fast Maintenance: Medium Height/spread: 0.3-1.5m, 0.3-1.2m

Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 





**GENERAL** 

Origin: Western Europe

Height/spread: 0.1-0.5m, 0.5-1m

Growing: Moderate

Maintenance: Low

Propagation: Cutting



#### **CHARACTER**

Size: Large Form: Upright Color: Green silver

Foliage Type: Evergreen

Leaves: Lobed Texture: Medium Flowers: Yellow

#### **BEST LOCATION**

Coastal Areas Private Gardens Urban Areas Urban Parks

#### **BEST USE**

Border Ornamental Mass planting Container

# **ORDER**

Group

### **GENERAL INFO**

Commonly used in gardens, with its silvery leaves glistening in the light. However, this plant is fairly toxic and should never be ingested or used internally in any way.

# **Design Description**

#### CHARACTER

Size: Medium Form: Open Color: Royal Purple Foliage Type: Evergreen Leaves: Lanceolate **Texture:** Course Flowers: Pale Pink

#### **BEST LOCATION**

Urban Parks Sidewalks Urban Areas

#### **BEST USE**

Edge Border Container Ornamental

# **ORDER**

Group

#### **GENERAL INFO**

No serious problems, although aphids and vine weevil are attracted, as well as scales and mealybugs. Outdoor plants can be munched on by caterpillars, slugs and snails.



# **GENERAL**

Origin: Mediterranean region Growing: Fast Maintenance: Low Height/spread: 0.5-1.5m, <0.3m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Low (Resistant)



#### **GENERAL**

Origin: Mexico Growing: Slow Maintenance: Low Height/spread: 0.6/2m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low, Average



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium









#### **CHARACTER**

Size: Medium Form: Open Color: green

Foliage Type: Evergreen

Leaves: Oval Texture: Medium Flowers: Yellow

#### **BEST LOCATION**

Coatsal Areas Urban Parks Sidewalks Medians and Islands

#### **BEST USE**

Ornamental Border Container

# **ORDER**

Group

### **GENERAL INFO**

Avoid using prunings to make garden compost, as live and dead plant matter contains defensive allelopathic compounds that inhibit growth and germination of other plants.

# **Design Description**

Tradescantia spathacea **Commelinaceae**, Moses in the cradle

#### **CHARACTER**

Size: Medium Form: Round

Color: Dull green, purple Foliage Type: Evergreen

Leaves: Linear Texture: Medium Flowers: White

#### **BEST LOCATION**

Coastal Areas Private Gardens Urban Parks Urban Areas

#### **BEST USE**

Mass Planting Indoor Border Edible ornamental

# **ORDER**

Group

# **GENERAL INFO**

A plant that is best known for their colorful foliage and doesn't require a lot of upkeep.



# **GENERAL**

Origin: South America Growing: Fast Maintenance: Medium Height/spread: 7cm, 2m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium, Average



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: Mexico Growing: Fast Maintenance: Low Height/spread: 0.2-0.5m, 0.2-

Propagation: Cutting, Decaying



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: Low

### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 





Verbena tenuisecta



# **Design Description**

#### CHARACTER

Size: Small
Form: Upright
Color: Medium Green
Foliage Type: Evergreen
Leaves: V-shaped
Texture: Fine

Flowers: White-pink

#### **BEST LOCATION**

Private Gardens Urban Areas Urban parks Sidewalks

#### **BEST USE**

Border Ornamental Mass planting Hedge

# ORDER

Group

# **GENERAL INFO**

They are best grown in relatively dry soil in a sunny location. There is very little care necessary, other than regular watering.

# **Design Description**

#### CHARACTER

Size: Small
Form: Upright
Color: Deep Green
Foliage Type: Evergreen
Leaves: V-shaped
Texture: Fine
Flowers: Purple, White

#### **BEST LOCATION**

Coastal Areas Private Gardens Urban Areas Urban Parks Roadside Medians and Islands

#### **BEST USE**

Border Ornamental Edge Mass planting

# ORDER

Group

#### **GENERAL INFO**

It is valued as hardy, ornamental butterfly attractions. They are best planted in spring or summer seasons.



# **GENERAL**

Origin: South America Growing: Moderate Maintenance: Low Height/spread: <0.5m, <0.1m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



**GENERAL** 

Origin: South America Growing: Moderate Maintenance: Low Height/spread: <0.5m, 0.5-1m Propagation: Cutting, Seed



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: Low

# LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: Medium



**Technical Description** 

WATER

Drought Resistance: High

Watering Rate: Medium

Irrigation: Medium

Salinity: Low

Hardiness: High

SOIL

LIGHT

Type: sand, acidic, loam

Light Requirement: High

Salt-Tolerance: High

**Apocynaceae**, Madagascar Periwinkle



#### **CHARACTER**

Size: Small Form: Round Color: Green

Foliage Type: Deciduous Leaves: Oblong linear Texture: Medium

#### **BEST LOCATION**

Sidewalks Urban Parks Private Gardens Urban Areas

#### **BEST USE**

Mass Planting Borders Groundcovers

#### ORDER

WIND

Wind Resistance: Low

Dessification: Vulnerable

Group

#### **GENERAL INFO**

Its stem produces a milky sap which is the source of many different indole alkaloids, two of the common anti-cancer drugs which are derived from this plant are vincristine and vinblastine.

Flowers: Pink, Purple, Lavender

#### **BEST LOCATION**

Sidewalks Urban Areas Roadside

#### **BEST USE**

Border Ornamental Edge

Group

#### **GENERAL INFO**

The plant has an extremely aggressive spreading habit, there is no limit to the potential of its spread. It will reproduce, grow and spread wherever there is space.

#### **GENERAL**

Origin: Central America Growing: Fast Maintenance: Low Height/spread: 0.5-1m, 1.5-3m Propagation: Cutting



Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High



# **Design Description**

Wedelia trilobata

**Asteraceae**, Creeping Daisy

### **CHARACTER**

Size: Large Form: Upright Color: Medium Green Foliage Type: Evergreen

Leaves: Narrowly Ovate Texture: Fine

Flowers: Yellow



Coastal Areas

Medians and Islands

Mass planting

# **ORDER**



#### WATER

### WIND

Wind Resistance: Medium Dessification: Medium



Light Requirement: Medium



**GENERAL** 

Origin: Madagascar

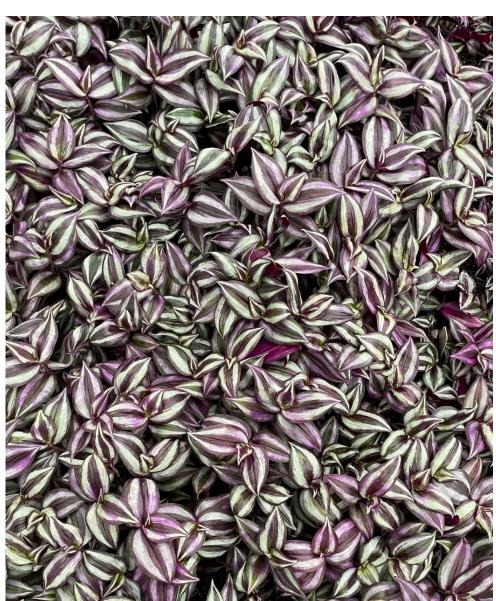
Growing: Moderate

Maintenance: Low

Propagation: Cutting

Height/spread: 0.2-0.6m, 1-2m





#### **CHARACTER**

Size: Small

Form: Prostrate spreading

Color: Purple, red

Foliage Type: Evergreen

Leaves: Ovate Texture: Fine

Flowers: Pink

#### **BEST LOCATION**

Plazas and Squares Urban Parks Urban Areas Private Gardens

#### **BEST USE**

container ground planter ground cover

#### ORDER

Group

### **GENERAL INFO**

It would be difficult to find a more colorful or faster growing groundcover than wandering jew. The purple green leaves with broad, silvery stripes and purple undersides are produced along the succulent stems, which root wherever they touch soil.



# **GENERAL**

Origin: Mexico Growing: Fast Maintenance: Low Height/spread: 0.15m, 0.30m Propagation: stem cuttings



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand, Loam , Clay Salt-Tolerance: Low

### LIGHT

Light Requirement: Low



# WIND

Wind Resistance: Medium Dessification: Medium

# **Design Description**

Zinnia elegans

#### **CHARACTER**

Size: Medium Form: Upright Color: Medium Green Foliage Type: Evergreen Leaves: Subulate

Texture: Medium Flowers: Pink, Yellow, Red

#### **BEST LOCATION**

Urban Parks Urban Areas Private Gardens Sidewalks

#### **BEST USE**

Border Ornamental Edge Background

# **ORDER**

Single Group

# **GENERAL INFO**

Zinnia is colorful, easy to grow, and attracts pollinators. It is a cheerful addition to a variety of landscape locations, including containers, patio gardens, recreational play areas, alongside walkways, in borders, and mass plantings it is considered a perennial plant.



#### **GENERAL**

Origin: Central America Growing: Fast Maintenance: Low Height/spread: <0.5m, <0.1m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



Wind Resistance: High Dessification: Medium









Albuq Aldhuhbaa





# **Apocynaceae**, Golden Trumpet Vine

### **Design Description**

#### CHARACTER

Size: Medium Form: Upright Color: Bright Green Foliage Type: Evergreen Leaves: Lanceolate **Texture:** Course Flowers: Bright Yellow

#### **BEST LOCATION**

Urban Parks Urban Areas Private Gardens Roadside

#### **BEST USE**

**CLIMBERS** 

Specimen Ornamental Container Hedges

# **ORDER**

Group

#### **GENERAL INFO**

Best flowering in full sun, but grows well in partial shade .Needs protection from the wind. Killed by frost susceptible to red spider mites and may exhibit leaf chlorosis.it is a poisonous plant.





#### **GENERAL**

Origin: North America Growing: Fast Maintenance: Medium Height/spread: 3-8m, 6-10m Propagation: Cutting



#### WATER

Drought Resistance: High Irrigation: Medium Salinity: Low Hardiness: Medium Watering Rate: Medium



Type: Sand, Clay, Loam, Chalk Salt-Tolerance: Low



SOIL

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: Vulnerable



**CLIMBERS** 



### **Design Description**

#### **CHARACTER**

Size: Small

Form: Spreading, Irregular

Color: Light Green

Foliage Type: Deciduous

Leaves: Cordate Texture: Medium

Flowers: White, Pink

#### **BEST LOCATION**

Urban Areas Urban Parks Private Gardens

# **BEST USE**

Mass Planting Green wall Borders Ornamental

### **ORDER**

Group

### **GENERAL INFO**

A robust woody plant with densely hairy younger stems.

#### **CHARACTER**

Size: Large

Form: Upright

Color: Bright Green Foliage Type: Evergreen

**Design Description** 

Leaves: Aristate Texture: Medium

Flowers: Purple, Orange, Red,

Bougainvillea glabra

Nyctaginaceae, Paper Flower

White

#### **BEST LOCATION**

Residential Areas Urban Parks Private Gardens Roadside

#### **BEST USE**

Screen Shelterbelt Container Hedges

# **ORDER**

Group

#### **GENERAL INFO**

Suffers from whiteflies in sheltered areas and occasionally leaf chewing caterpillars or aphids roots are highly sensitive to disturbance.





# **GENERAL**

Origin: India Growing: Fast Maintenance: Medium Height/spread:0.8-1.5m,0.5 -1m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: High Watering Rate: Medium



#### SOIL

Type: Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: North America Growing: Moderate Maintenance: High Height/spread: 5-12m, 4-5m Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: Low Watering Rate: Medium



SOIL

Type: Sand, Loam Salt-Tolerance: Low

### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Vulnerable

**Technical Description** 

Jahanamia



**CHARACTER** 

Size: Large Form: Upright Color: Bright Green

Foliage Type: Semi Evergreen

Leaves: Aristate Texture: Medium Flowers: Purple



Residential Areas Urban Parks Private Gardens Roadside

#### **BEST USE**

Screen Shelterbelt Container

### **ORDER**

Group

### **GENERAL INFO**

Its leaves are smaller than B. glabra and shiny on top and soft and hairy underneath. Roots are highly sensitive to disturbance.

#### CHARACTER

Size: Tall Form: Spreading Color: Deep Green Foliage Type: Evergreen

Capparaceae, Caper

**Design Description** 

Capparis cartilaginea decne

Leaves: Obvate Texture: Medium Flowers: White, Pink

#### **BEST LOCATION**

Coastal Gardens Natural Spaces Desert Environments

#### **BEST USE**

Wildlife Ornamental

#### **ORDER**

Group

#### **GENERAL INFO**

A pleasant bush that flowers and gives a stunning perfumed appearance.



# **GENERAL**

Origin: North America(Brazil) Growing: Fast Maintenance: High Height/spread: 10-25m, 4-10m Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Low Hardiness: Low Watering Rate: Medium



# SOIL

Type: Sand,Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Vulnerable



# **GENERAL**

Origin: Mediterranean region and Asia Growing: Fast Maintenance: medium Height/spread: 15-23m, 1-1.5m Propagation: Cutting, S eed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium

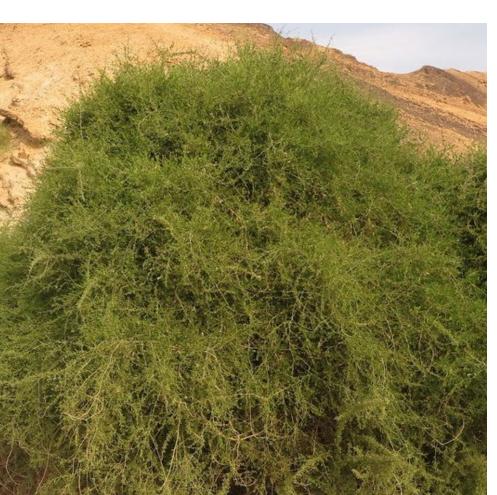




**Technical Description** 

Menispermaceae, Pilwan

Asba



# **Design Description**

#### **CHARACTER**

Size: Large Form: Spreading Color: Dark Green Foliage Type: Deciduous

Leaves: Oblanceolate Texture: Fine

#### **BEST LOCATION**

Flowers: Dark Red

Coastal Areas **Desert Environments** Natural spaces

#### **BEST USE**

Ornamental Widllife

#### **ORDER**

Group

#### **GENERAL INFO**

Flowers are edible and has a medical use.

#### **CHARACTER**

Size: Medium Form: Upright

Color: Dark Green Foliage Type: Evergreen

**Design Description** 

Leaves: Ellipsoid Texture: Medium Flowers: Pink, Red

#### **BEST LOCATION**

Residential Areas Urban Parks Private Gardens Roadside

#### **BEST USE**

Screen Shelterbelt Container Hedges

# **ORDER**

Group

# **GENERAL INFO**

The leaves of Clerodendrum Splendens are used in traditional medicine by indigenous people to treat shingles,spleen in children,as thma,rheumatism,ulcers ana malaria .



# **GENERAL**

Origin: North Africa, Saudi Arabia and India Growing: Fast Maintenance: Medium Height/spread: 0.7-1.9m, 0.15-0.3 m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: Medium Watering Rate: Low



# SOIL

Type: Gravel, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Low



#### **GENERAL**

Origin: Tropical Western Africa Growing: Fast Maintenance: Medium Height/spread: 1-5m, 1-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: Medium Watering Rate: High



SOIL

Type: Sand, Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Low Dessification: Vulnerable





Clerodendrum thomsonae

Karmat Algalb Alnaazif



#### **CHARACTER**

Size: Medium Form: Upright

Foliage Type: Evergreen

Leaves: Ellipsoid Texture: Fine Flowers: White, Red

#### **BEST LOCATION**

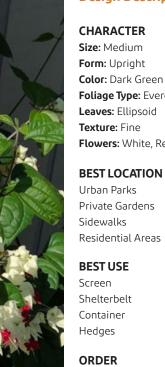
Urban Parks Private Gardens Sidewalks Residential Areas

#### **BEST USE**

Screen Shelterbelt Container Hedges

Group

The leaves and flowers are pounded and applied to bruises,Cuttings,skin rashes and sores.the macerated leaves are used as a shampoo to prevent scaling of the sclap, and



# **GENERAL INFO**

to git rid of dandruff.



# **GENERAL**

Origin: West Africa Growing: Fast Maintenance: Medium Height/spread: 1-3m, 1-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: Low Irrigation: High Salinity: Low Hardiness: Medium Watering Rate: High



# SOIL

Type: Sand, Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Low Dessification: Vulnerable



Clystostoma callistegiodes

Bignoniaceae, Lavender, Bignoniaceae

#### **CHARACTER**

Size: Large Form: Upright Color: Medium Green Foliage Type: Evergreen Leaves: Aristate Texture: Medium

#### **BEST LOCATION**

Flowers: Lilac

Urban Parks Private Gardens Sidewalks Residential Areas

#### **BEST USE**

Screen Shelterbelt Container Hedges

# **ORDER**

Group

# **GENERAL INFO**

Regular watering is necessary during the growth period and moderate for the rest of the time: overwatering should be avoided. Pruning is best in late winter to control growth or to induce new growth from lower down.





#### **GENERAL**

Origin: South America(Brazil) Growing: Fast Maintenance: High Height/spread: 1-6m, 2-5m Propagation: Cutting, Seed



#### WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Low Watering Rate: Medium



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



#### WIND

Wind Resistance: Medium Dessification: Vulnerable

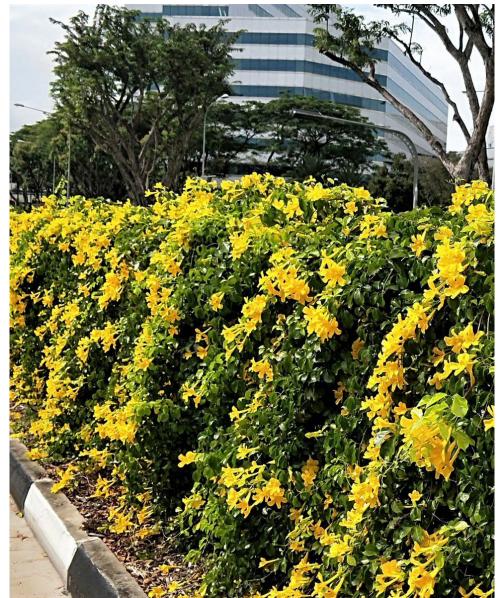


**Technical Description** 

**CLIMBERS** 



# **Bignoniaceae**, Yellow Trumpet Vine



#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Green Foliage Type: Evergreen

Leaves: Lanceolate Texture: Medium

#### **BEST LOCATION**

Flowers: Yellow

Car Parking Urban Parks Private Gardens

#### **BEST USE**

Ornamental Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

This vine can climb to the top of trees and kill them with its shade and weight. Its roots can get entangled with those of other shrubs that will have to be removed in order to eradicate this vine.

#### CHARACTER

Ficus pumila

**Design Description** 

Foliage Type: Evergreen

Moraceae, Creeping Fig

Size: Large Form: Upright Color: Deep Green

Leaves: Simple Texture: Medium Flowers: Pale Red

#### **BEST LOCATION**

Car Parking Urban Parks Private Gardens Roadside

Medians and Islands

#### **BEST USE**

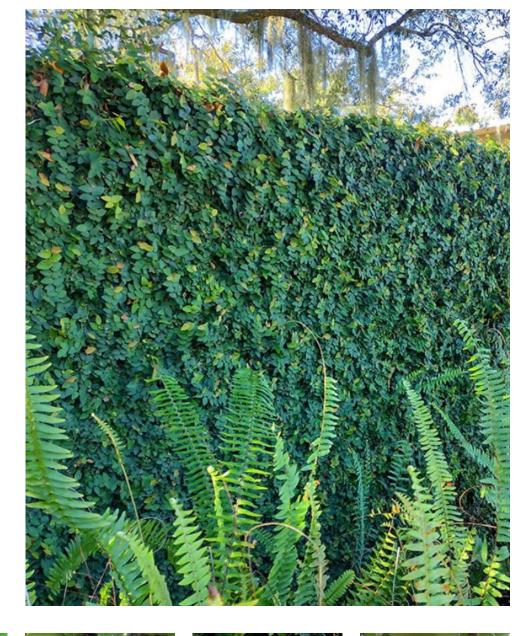
Screen Shelterbelt Container Hedges

# **ORDER**

Group

#### **GENERAL INFO**

The milky sap can cause a potentially serious skin inflammation. Although the plant is not poisonous.



# **GENERAL**

Origin: West Indies, Argentina Growing: Fast Maintenance: Medium Height/spread: 1-4m, 2m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Chalk, Clay, Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Low Dessification: Vulnerable



# **GENERAL**

Origin: Mediterranean Growing: Fast Maintenance: Low Height/spread: 2.5-4m, 2-12m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Low Watering Rate: Medium



SOIL

Type: Sand, Loam Salt-Tolerance: Medium

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable





Ipomea acuminata



# **Design Description**

#### **CHARACTER**

Size: Large Form: Upright Color: Green

Foliage Type: Evergreen

**Leaves**: Star shaped Texture: Medium Flowers: Pinkish Purple

#### **BEST LOCATION**

Urban Parks Private Gardens Roadside Residential Areas

#### **BEST USE**

Screen Shelterbelt Container

### ORDER

Group

### **GENERAL INFO**

The twigs were formerly used to make ropes. It withstands hard pruning best in early spring, but does not demand much attention if there are no slow-growing plants nearby that might be overgrown.

#### **Design Description**

Ipomea batatas

**Convolvulaceae**, Sweet Potato

#### **CHARACTER**

Size: Medium Form: Upright Color: Light Green

Foliage Type: Deciduous Leaves: Cordate

Texture: Fine Flowers: Pale Purple

#### **BEST LOCATION**

Natural Spaces Urban Areas Private gardens Residential Areas

#### **BEST USE**

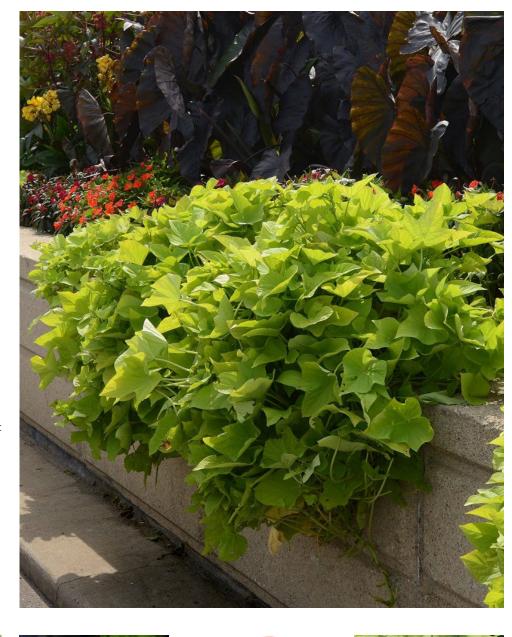
Border Container Screen

#### **ORDER**

Group

### **GENERAL INFO**

It's one of those rare plants that are grown as a tasty vegetable and a pretty ornamental.



# **GENERAL**

Origin: South America Growing: Fast Maintenance: Low Height/spread: 2-5m, 3-5m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: Vulnerale



# **GENERAL**

Origin: South America Growing: Fast Maintenance: Medium Height/spread: 1.5-3m, 1-1.5m Propagation: Cutting, Seed



WATER

Drought Resistance: Medium Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Loam, Sand Salt-Tolerance: Medium

### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: Medium



**Technical Description** 

**CLIMBERS** 





# Oleaceae, Common White Jasmine



#### **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Green

Foliage Type: Semi-Evergreen

Leaves: Aristate Texture: Fine Flowers: White

#### **BEST LOCATION**

Urban Parks Residential Areas Private Gardens

#### **BEST USE**

Screen Container Hedges

#### **ORDER**

Single Group

#### **GENERAL INFO**

It is slow to grow at first and rather frost-tender. Although it needs support like wires or a fence. Jasminum officinale 'Flore Pleno' grows double flowers, and there are varieties with yellow or variegated leaves which should not be exposed to full sun.

# **CHARACTER** Size: Medium

Form: Upright Color: Green

Foliage Type: Semi-Evergreen

Jasminum polyanthum

Oleaceae, Pink Jasmine

Leaves: Narrowly Aristate Texture: Fine Flowers: White, Pink

**Design Description** 

#### **BEST LOCATION**

Urban Parks Private Gardens Residential Areas

# **BEST USE**

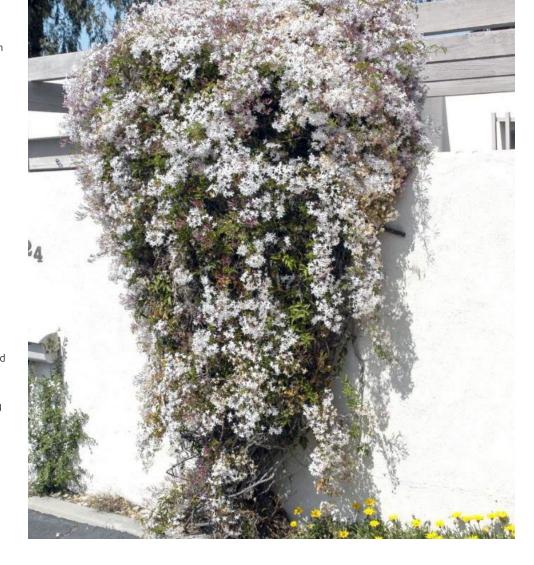
Screen Shelterbelt Container

# **ORDER**

Single Group

### **GENERAL INFO**

A lush appearance is achieved in fertile soil either acidic or alkaline with supplemental irrigation in summer. Pruning in winter does not affect the flowers, since they grow in terminal clusters on new growth.



# **GENERAL**

Origin: Mediteranean Growing: Fast Maintenance: Medium Height/spread: 3-6m, 4-7m Propagation: Cutting, Seed



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Low Hardiness: Low Watering Rate: Medium



SOIL

Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable



Origin: Mediterranean Growing: Slow Maintenance: Medium Height/spread: 5-8m, 5-15m Propagation: Cutting, Seed



Drought Resistance: High Irrigation: High Salinity: Low Hardiness: Low Watering Rate: Medium



SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable









Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Medium



# Type: Loam, Sand Salt-Tolerance: Medium

# LIGHT

SOIL

Light Requirement: High

#### **CHARACTER** Size: Medium Form: Spreading Color: Dull Green

Foliage Type: Semi- Evergreen

Leaves: Lanceolate Texture: Medium Flowers: Yellow

#### **BEST LOCATION**

Private gardens Natural spaces Sidewalks

#### **BEST USE**

Ornamental Green wall Edible Hedges

# **ORDER**

Group

WIND

Wind Resistance: Low

Dessification: High

### **GENERAL INFO**

A climber that has a woody stem and produces yellow flowers looking like trumpet.

#### **Design Description Design Description**

#### CHARACTER

Size: Medium Form: Upright Climber Color: Dull Green Foliage Type: Evergreen Leaves: Aristate

Pyrostegia venusta

Bignoniaceae, Fame Vine

Texture: Medium Flowers: Orange

#### **BEST LOCATION**

Coastal Areas Private gardens Natural spaces Residential Areas

#### **BEST USE**

Ornamental Shade Hedge Border

# **ORDER**

Group

# **GENERAL INFO**

A vigorous Evergreen vine that makes a brilliant fall and winter reddish orange display.





# **GENERAL**

Origin: South America Growing: Fast Maintenance: High Height/spread: 3-5m, 1-2m Propagation: Cutting, Layering



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Low

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High



Technical Description



Rosaceae, Memorial Rose



#### **CHARACTER**

Size: Large

Color: Green

Form: Upright Climber

Foliage Type: Deciduous

Leaves: Oval

Texture: Course Flowers: Red, White

#### **BEST LOCATION**

Urban Parks Private gardens Natural Spaces Car Parking

#### **BEST USE**

Ornamental Container Hedge Border

# **ORDER**

Group

# **GENERAL INFO**

Light frosts are not harmful, while the shrub recovers in spring if it has died back or following hard pruning. Planting locations should be in full sun to partial shade.

# **Design Description**

Kikwal Hindai

#### CHARACTER

Size: Medium

Form: Upright Climber

**Design Description** 

Color: Dark Green

Foliage Type: Semi-Evergreen

Leaves: Oval Texture: Medium Flowers: White

#### **BEST LOCATION**

Coastal Areas Private gardens Natural spaces

#### **BEST USE**

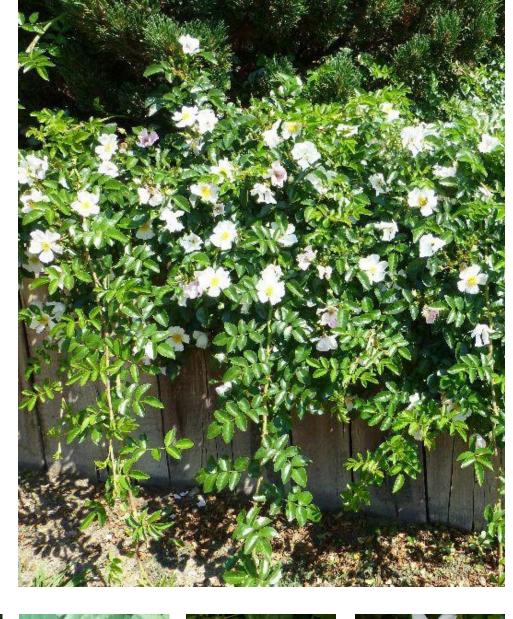
Mass Planting Shade Hedge Border

#### **ORDER**

Group

### **GENERAL INFO**

They require pre-emptive treatment with insecticide and systemic fungicide to prevent attack by aphids and the development of fungal diseases.





# **GENERAL**

Origin: South Asia Growing: Fast Maintenance: Low Height/spread: 8-15m, 5-8m Propagation: Cutting, Division



# WATER

Drought Resistance: Medium Irrigation: Low Salinity: Medium Hardiness: Low Watering Rate: Medium



# SOIL

Type: Clay, Sand, Loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable



# **GENERAL**

Origin: Sub-Mediterranean Growing: Fast Maintenance: High Height/spread: 3-6m, 2-8m Propagation: Cutting, Grafting



WATER

Drought Resistance: Low Irrigation: Medium Salinity: Low Hardiness: Low Watering Rate: Medium



SOIL

Type: Clay, sand, loam Salt-Tolerance: Low

### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable





Bignoniaceae, Glow Vine

**Design Description** 

#### **CHARACTER**

Size: Large Form: Upright **Color:** Deep Green

Foliage Type: Evergreen

Leaves: Obvate Texture: Medium Flowers: Violet, Pink

#### **BEST LOCATION**

Private Gardens Urban Areas Urban parks Residential Areas

#### **BEST USE**

Hedge Ornamental Screen

#### **ORDER**

Group

### **GENERAL INFO**

It is a highly desirable and exceptionally free flowering, evergreen vine with unusual pairs of medium green oval leaflets that are centered by its grasping tendrils.



Tropaeolum majus

Tropaeolaceae, Indian Cress

#### **CHARACTER**

Size: Small

Form: Upright Climber

Color: Green

Foliage Type: Semi-Evergreen

Leaves: ObLanceolate Texture: Medium Flowers: Orange

#### **BEST LOCATION**

Urban Areas Private Gardens Residential Areas

#### **BEST USE**

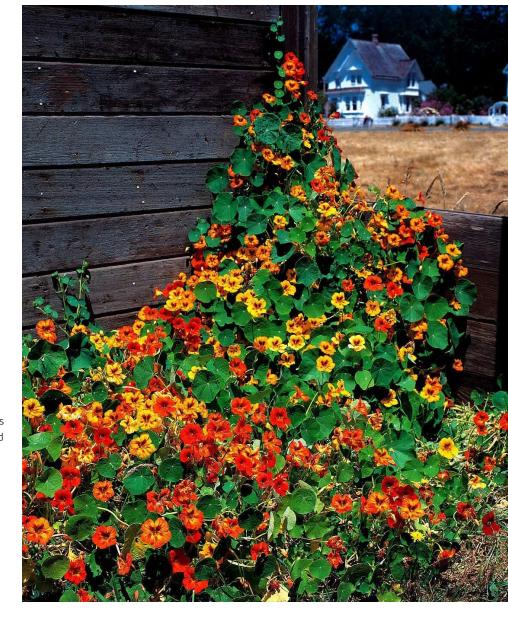
Container Screen Hedge Ornamental

#### **ORDER**

Group

### **GENERAL INFO**

It is an ornamental plant that is useful as a medicinal plant and as a salad. The bloom and the leaves are very tasty with an enjoyable peppery taste.





# **GENERAL**

Origin: South America Growing: Fast Maintenance: Low Height/spread: 3-6m, 5-7m Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: High Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Clay, Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: Medium Dessification: High (vulnerable)



# **GENERAL**

Origin: Mediterranean Growing: Fast Maintenance: Medium Height/spread: 0.2-2m, 1-7m Propagation: Sowing, Pricking



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



SOIL

Type: Clay, sand, loam Salt-Tolerance: Low

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Vulnerable



# Agave americana

# Asparagaceae, Century Plant

### **Design Description**

#### CHARACTER

Size: Medium

Form: spreading, upright

Color: Gray Green

Foliage Type: Evergreen

Leaves: Lanceolate **Texture:** Coarse Flowers: Yellow

#### **BEST LOCATION**

Coastal Areas

Desert Areas

SUCCULENT

Medians and Islands

Private Gardens Sidewalks

#### **BEST USE**

Borders

Hedges

Screens

Complementary

#### **ORDER**

Single Group

### **GENERAL INFO**

A desert plant that makes a dramatic focal point or accent and should be planted away from foot-traffic.





#### **GENERAL**

Origin: Mexico Growing: Fast Maintenance: Low Height/spread: 1.8-2.5m, 1.8-2.4m

Propagation: Cutting



#### WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



#### SOIL

Type: Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



### WIND

Wind Resistance: High Dessification: High





Asparagaceae, Variegated Caribbean

Aghaf Diq Alwaraq

**Design Description** 

**CHARACTER** 

Size: Small

Form: Round

Color: Light Green

Texture: Medium

**BEST LOCATION** 

**Desert Environments** 

Medians and Islands

Private Gardens

Complementary

**GENERAL INFO** 

They have an irritating sap

and sometimes are very sharp

thorns that can cause injuries

to small children and even pets.

Flowers: white

Coastal areas

Sidewalks

**BEST USE** 

Borders

Hedges Screens

**ORDER** 

Single

Group

Foliage Type: Evergreen Leaves: Lanceolate - linear Agave attenuata

# **Technical Description GENERAL** Origin: Mexico, Tropical Costa Rica Growing: Slow Maintenance: Low Height/spread: 0.5-0.9m, 0.5-

Propagation: Cutting



# WATER

Drought Resistance: Medium Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



# SOIL Type: Loam, Sand Salt-Tolerance: High

LIGHT Light Requirement: High



# WIND Wind Resistance: Low

Dessification: High

Size: Medium Form: Spreading Color: Silver Green

**CHARACTER** 

Foliage Type: Evergreen Leaves: Aristate, fox-tail

**Design Description** 

**Texture:** Coarse Flowers: Yellow Green to white

#### **BEST LOCATION**

Coastal areas Private Gardens Desert Environments

#### **BEST USE**

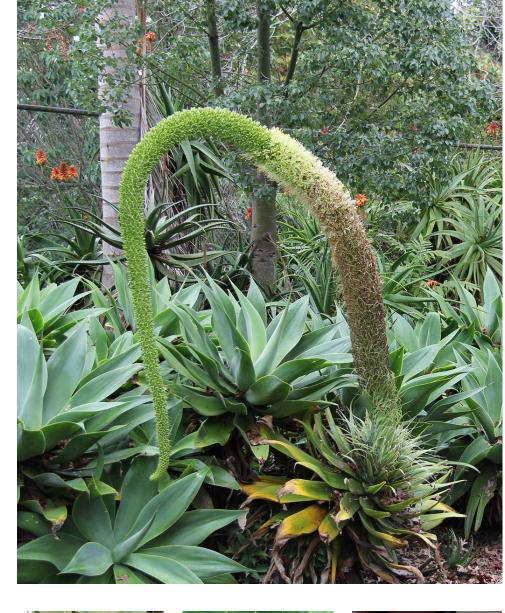
Borders Containers Complementary Unifiers

# **ORDER**

Single Group

# **GENERAL INFO**

A fox tail agave flowers which look like a long flower spike that curves and drops to the ground and gives a dramatic focal point in the landscape.



# **GENERAL**

Origin: Mexico Growing: Fast Maintenance: Low Height/spread: 1-1.5m, 1.5-2.5m Propagation: Cutting



WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Loam, Sand Salt-Tolerance: Low

#### LIGHT

Light Requirement: Medium



WIND

Wind Resistance: High Dessification: High





**Technical Description** 

**Asphodelaceae**, Torch Aloe





#### **CHARACTER**

Size: Medium

Form: weeping, upright

Color: Gray Green

Foliage Type: Evergreen

Leaves: sword shape Texture: Medium

Flowers: Red to orange

#### **BEST LOCATION**

Coastal Areas **Desert Environments** Sidewalks

#### **BEST USE**

Borders Hedges Complementary Unifiers

#### ORDER

Single Group

# **GENERAL INFO**

A valuable Garden asset, with large beautiful flowers, attractive foliage, decorative form and its easy to grow.

#### **CHARACTER**

Aloe vera

Size: Small

Form: Spreading

Color: Light Green

Foliage Type: Evergreen

**Design Description** 

Leaves: Linear Texture: Coarse

Flowers: Greenish Yellow

#### **BEST LOCATION**

Coastal Areas Urban Parks

Private Gardens

Medians and Islands Sidewalks

#### **BEST USE**

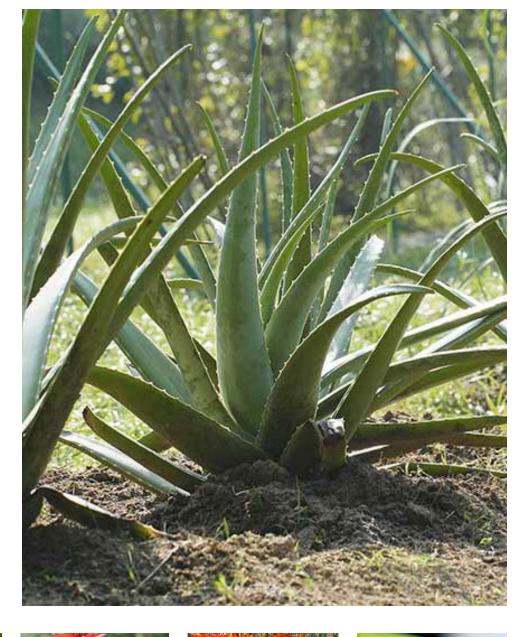
Borders Hedges

#### **ORDER**

Group

#### **GENERAL INFO**

This Plant makes a pretty focal point in sung borders or decorative containers.





# **GENERAL**

Origin: South Africa, Zimbabwe Growing: Moderate Maintenance: Low Height/spread: 3-4m ,1.5-2m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Loam, Sand Salt-Tolerance: Low

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: S.w Arabian penisula Growing: Slow Maintenance: Low Height/spread: 0.3-0.6m, 0.6-

> 0.9m Propagation: Cutting, Seed



Drought Resistance: High Irrigation: Low Salinity: High Hardiness: High Watering Rate: Medium



Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

SOIL

Light Requirement: High



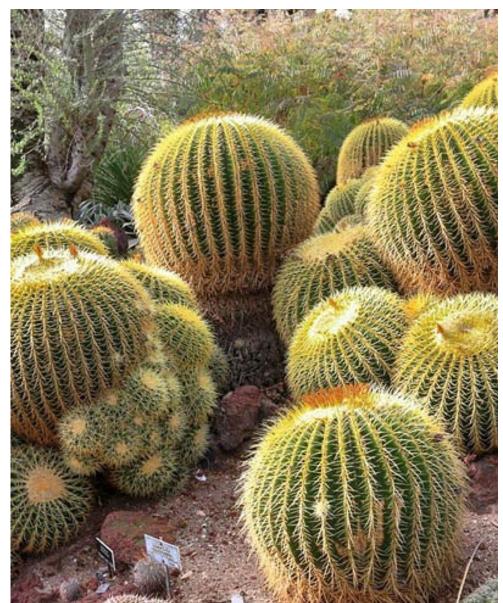
WIND

Wind Resistance: Medium Dessification: High





Cactaceae, Golden Barred Cactus



# **Design Description**

#### **CHARACTER**

Size: Large

Form: Round,Columnar

Color: Dull Green

Foliage Type: Evergreen

Leaves: Simple Texture: Coarse Flowers: Yellow

#### **BEST LOCATION**

Urban Parks Private Gardens **Desert Environments URban Areas** 

#### **BEST USE**

container Ornamental linkage

#### **ORDER**

Group

### **GENERAL INFO**

Desert Travelers can use this plant as a compass It is best planted close together among large rocks or boulders.

#### **CHARACTER**

Size: Medium Form: Spreading Color: Deep Green Foliage Type: Evergreen Leaves: Aristate

**Design Description** 

Euphorbia milii

**Euphorbiaceae**, Crown Of Thorns

Texture: Medium Flowers: Red, Purple, Pink

#### **BEST LOCATION**

Coastal Areas Natural Spaces Desert Environments

#### **BEST USE**

Mass Planting Ornamental

#### **ORDER**

Group

#### **GENERAL INFO**

This eye catching blooms consists of tiny inconspicuous yellow flowers that bloom over an extremely long season.



# **GENERAL**

Origin: South Western US, Mexico Growing: Slow Maintenance: Low Height/spread: 6m, 0.6-0.9m Propagation: Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: High

#### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: High



# **GENERAL**

Origin: Madagascar Growing: Slow Maintenance: Medium Height/spread: 1-1.5m, 0.5-1m Propagation: Cutting



WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Medium



SOIL

Type: Sand, Loam Salt-Tolerance: High

# LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium







Wind Resistance: High Dessification: Medium

WIND



#### **CHARACTER**

Size: Large Form: Upright Color: Bright Green

Foliage Type: Deciduous

Leaves: Linear Texture: Medium Flowers: Yellow, Red

#### **BEST LOCATION**

Coastal Areas Natural Spaces **Desert Environments** 

#### **BEST USE**

Hedge Indoors

# **ORDER**

Group

#### **GENERAL INFO**

A Plant that grows a dense carpet of growth and it has a strong ability to stabilize sandy

# **Design Description**

Haloxylon persicum bunge

Amaranthaceae, White Saksaul, Salt Tree

#### **CHARACTER**

Size: Large Form: Irregular Color: Dull Green

Foliage Type: Evergreen

Leaves: Simple **Texture:** Coarse Flowers: White

#### **BEST LOCATION**

Natural Spaces Desert Environments

#### **BEST USE**

Hedges Borders Screening

#### **ORDER**

Single Group

### **GENERAL INFO**

One of the most popular desert plant that is frequently mentioned in classical Arabic poetry.



# **GENERAL**

Origin: Southern Africa Growing: Fast Maintenance: Low Height/spread: 5-8m, 1.5-3m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



# SOIL

Type: Sand Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



**GENERAL** 

Origin: Western Asia, Central Asia Growing: Slow Maintenance: Medium Height/spread: 1-5 m, 5-6m Propagation: Seed, Taking Offsets



WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



SOIL

Type: Light Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Medium









Tin Shukai

#### **CHARACTER**

Size: Medium Form: Upright Color: Grey Green

Foliage Type: Evergreen Leaves: Obvate

Texture: Coarse Flowers: Yellow

#### **BEST LOCATION**

Natural Spaces Urban Areas Urban Parks Private Gardens Desert Environments

#### **BEST USE**

Hedge Border Edible Container

#### **ORDER**

Single Group

#### **GENERAL INFO**

A plant that is very easy to grow and its edible fruits is covered by spines all over.

# **Design Description**

Pandanus utilis bory

Pandanaceae, Screw Pine

#### **CHARACTER**

Size: Medium Form: Upright Spreading Color: Light Green Foliage Type: Evergreen

Leaves: Linear **Texture:** Coarse Flowers: White

#### **BEST LOCATION**

Urban Parks Coastal Areas Urban Areas

#### **BEST USE**

Container Hedges Linkage massins

#### **ORDER**

Group

#### **GENERAL INFO**

An upright trunk that is smooth with many horizontal spreading branches.



# **GENERAL**

Origin: Mexico Growing: Moderate Maintenance: Low Height/spread: 1-5m, 3-5m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

### LIGHT

Light Requirement: High



# WIND

Wind Resistance: High Dessification: Low (Resistant)



#### **GENERAL**

Origin: Southern, Eastern Asia Growing: Slow Maintenance: Low Height/spread: 3-5m, 1.5-3m Propagation: Seed,Offset



# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High



Technical Description



Bedylantus



#### **CHARACTER**

Size: Medium Form: Weeping

Color: Gray Green

Foliage Type: Evergreen Leaves: Obvate

Texture: Medium Flowers: Purple, Red

#### **BEST LOCATION**

Coastal areas Natural Spaces Urban Parks Sidewalks

# Roadside **BEST USE**

Hedge Indoors complementary

# **ORDER**

Group

#### **GENERAL INFO**

Quickly recognized by its early leaves that have gray Green color with a white edge.

### **Design Description**

#### CHARACTER

Portulaca quadrifida

Portulacaceae, Chicken Weed

Size: Small Form: Spreading Color: Medium Green Foliage Type: Evergreen

Leaves: Obvate Texture: Fine Flowers: Gold, Yellow

#### **BEST LOCATION**

Urban Areas Coastal Areas Urban Parks Natural Spaces

#### **BEST USE**

Mass planting Border Ground cover Wildlife

# **ORDER**

Group

# **GENERAL INFO**

Contains oxalates that can be toxic if eaten in high amounts.



# **GENERAL**

Origin: West India Growing: Fast Maintenance: Medium Height/spread: 1-1.5m, 1.5-3m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: High Hardiness: High Watering Rate: Low



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: Medium Dessification: Medium



# **GENERAL**

Origin: South East Asia Growing: Fast Maintenance: Low Height/spread: <0.5m, <0.3m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: Medium Watering Rate: Medium



SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: Low (Resistant)





Form: Spreading Upright

Foliage Type: Evergreen

Color: Yellow Green

Flowers: Rose, Pink

**BEST LOCATION** Urban Areas

Private Gardens

Sidewalks

**BEST USE** 

Container Green wall

Hedge

Border

**ORDER** 

Single

group

**GENERAL INFO** 

other plants.

It's noted for its unique ability to absorb more carbon from the atmosphere than most

Mass planting

Leaves: Obvate

Texture: Fine

**CHARACTER** 

Size: Medium





# **GENERAL** Origin: South Africa Growing: Fast Maintenance: Low Height/spread: 1.5-3m, 1-1.5m

Propagation: Cutting

# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL Type: Loam, Sand Salt-Tolerance: Medium

LIGHT Light Requirement: High



# WIND

Wind Resistance: High Dessification: Low (Resistant)

# Sansevieria cylindrica

# **Asparagaceae**, Snake Plant

### **Design Description**

#### **CHARACTER**

Size: Medium Form: Upright Color: Deep Green Foliage Type: Evergreen **Leaves:** Sword shaped **Texture:** Coarse

#### **BEST LOCATION**

Flowers: White

Desert Environments Urban Parks Private Gardens Coastal Areas

#### **BEST USE**

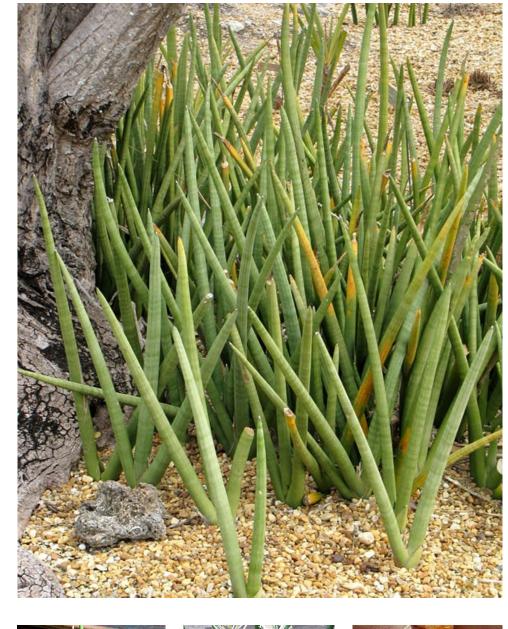
Container Border

# **ORDER**

Group

#### **GENERAL INFO**

Tall and elegant woody plant with erect rounded fleshy dark Green lightly cross-bended, tusk like leaves...



#### **GENERAL**

Origin: South Africa Growing: Slow Maintenance: Low Height/spread: 1-1.5m, 1.5-3m Propagation: Cutting, Division



#### WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Low



#### SOIL

Type: Sand, Loam Salt-Tolerance: Medium

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: High Dessification: High







#### **CHARACTER**

Size: Small Form: Upright Color: Green, Yellow

Foliage Type: Evergreen

Leaves: Linear Texture: Medium Flowers: Green, Yellow

#### **BEST LOCATION**

Coastal Areas Sidewalks Urban Parks Private Gardens

#### **BEST USE**

Container Green walls specimen

### **ORDER**

Group

### **GENERAL INFO**

An indoor plant that is excellent for the forgetful gardener and it's considered atop air purify plant for indoor environment.

#### **CHARACTER**

Size: Small Form: Round

Color: Dark Green

Foliage Type: Evergreen

**Design Description** 

Suaeda vermiculata

Amaranthaceae, Sea Blite

Leaves: Simple **Texture:** Coarse Flowers: Yellow

#### **BEST LOCATION**

Natural Spaces Desert Environments

#### **BEST USE**

Screen Border Hedge

#### **ORDER**

Single Group

#### **GENERAL INFO**

A desert succulent that is traditionally used as a remedy for hepatitis and viral infections.





# **GENERAL**

Origin: Tropical west Africa Growing: Moderate Maintenance: Medium Height/spread: .5-1m, less than .5m Propagation: Cutting



# WATER

Drought Resistance: High Irrigation: Medium Salinity: Medium Hardiness: High Watering Rate: Medium



#### SOIL

Type: Sand, Loam, Clay Salt-Tolerance: Medium

#### LIGHT

Light Requirement: Low



# WIND

Wind Resistance: Low Dessification: Medium



#### **GENERAL**

Origin: Africa, Middle East Growing: Moderate Maintenance: Low Height/spread: 0.4-1m, 1-1.5m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Low



# SOIL

Type: Clay Salt-Tolerance: High

#### LIGHT

Light Requirement: High



WIND

Wind Resistance: Medium Dessification: High



Jaada

**Design Description** 

**CHARACTER** 

Color: Light Green

Texture: Coarse

Flowers: White

**BEST LOCATION** Coastal Areas

Private Gardens

Sidewalks

**BEST USE** 

Ornamental

Mass Planting

**GENERAL INFO** 

A grassland plant that is used

for medicinal purposes

Wildlife

**ORDER** 

Group

WIND

Wind Resistance: High

Dessification: Medium

Foliage Type: Deciduous

Leaves: Oblong Linear

Size: Large Form: Round













**GENERAL** 



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Medium



# SOIL

Type: Sand, Loam Salt-Tolerance: Medium

# LIGHT

Light Requirement: High



# Asparagaceae, Spanish Dagger

### **Design Description**

#### **CHARACTER**

Size: Small Form: Round Color: Blue-Green

Foliage Type: Evergreen

Leaves: Linear **Texture:** Coarse Flowers: White

#### **BEST LOCATION**

Desert Environments Natural Spaces Sidewalks Urban Parks Private Gardens

#### **BEST USE**

Screen Hedge Specimen

# **ORDER**

Group

# **GENERAL INFO**

Dark Green with entire margins smooth, rarely finely denticulate with sharp brown terminal spine.





# **GENERAL**

Origin: Florida Growing: Slow Maintenance: Low Height/spread: 0.5m, 1.5-3m Propagation: Cutting, Layering



#### WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: High Watering Rate: Medium



# SOIL

Type: Sand Salt-Tolerance: Medium

#### LIGHT

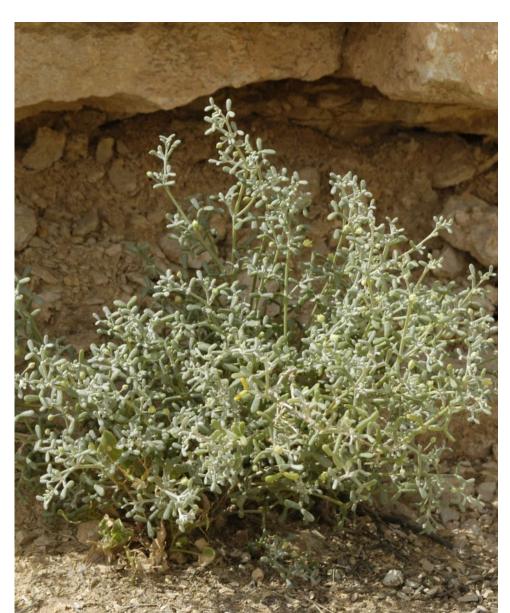
Light Requirement: High



WIND

Wind Resistance: High Dessification: High





#### **CHARACTER**

**Size:** Small **Form:** Spreading

**Color:** Medium Green **Foliage Type:** Evergreen

Leaves: Linear Texture: Fine Flowers: White

#### **BEST LOCATION**

Urban parks
Urban Areas
Coastal areas
Desert Environments

#### **BEST USE**

Mass planting Border Hedge Medical

#### **ORDER**

Single Group

#### **GENERAL INFO**

As a native, it needs no maintenance and is highly recommended for the rehabilitation of natural plant cover. It can be used as a groundcover or Group plant in natural design themes such as rock or steppe gardens.



### GENERAL

Origin: Arabian Peninsula Growing: Moderate Maintenance: Low Height/spread: 0.5-0.75m, 0.5-1m Propagation: Cutting, Seed



# WATER

Drought Resistance: High Irrigation: Low Salinity: Medium Hardiness: Medium Watering Rate: Low



#### SOIL

Type: Clay, Loam, Sand Salt-Tolerance: High

#### LIGHT

Light Requirement: Medium



# WIND

Wind Resistance: High
Dessification: Low (Resistant)

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179	Rosmarinus officinalis
180	Russelia equisetiformis
181	Salvia farinacea
182	Scaevola frutescens
183	Schefflera arboricola

185	Senna alata
186	Senna artemisioides
187	Strelitzia nicolai
188	Strelitzia reginae
189	Tecoma stans
190	Tecomaria capensis
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Scrophularia hypericifolia wydler

191	Thevetia peruviana
192	Vitex agnus-castus





	Groundcover
194	Ageratum houstonianum
195	Alternanthera ficoidea
196	Antirrhinum majus
197	Aptenia cordifolia
198	Asparagus densiflorus
199	Baileya multiradiata
200	Capparis spinosa
201	Carpobrotus edulis
202	Catharanthus roseus
203	Celosia argentea
204	Cenchrus ciliaris
205	Centaurea ragusina
206	Chlorophytum comosum
207	Coleus scutellarioides
208	Cortaderia selloana
209	Crinum asiaticum
210	Cymbopogon citratus
211	Cynodon dactylon
212	Dianthus caryophyllus
213	Dianthus chinensis
214	Drosanthemum hispidum
215	Gazania hybrids
216	Gazania rigens var.uniflora
217	Hymenocallis narcissiflora
218	Lampranthus roseus
219	Lantana montevidensis
220	Matthiola longipetala
221	Moraea sisyrinchium
222	Paspalum vaginatum
223	Pelargonium crispum
224	Pelargonium hortorum
225	Petunia hybrida
226	Rhoeo discolor
227	Rumex vesicarius L.
228	Ruscus hypoglossum
229	Saliva
230	Senecio cineraria
231	Setcreasea pallida
232	Sphagneticola trilobata
233	Tradescantia spathacea
234	Verbena tenera
235	Verbena tenuisecta
236	Vinca rosea
237	Wedelia trilobata
238	Zebrina pendula
239	Zinnia elegans
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	Climbers
241	Allamanda cathartica
242	Argyreia nervosa
243	Bougainvillea glabra
244	Bougainvillea spectabilis
245	Capparis cartilaginea decne
246	Cebatha pendula
247	Clerodendrum splendens
248	Clerodendrum thomsonae
249	Clystostoma callistegiodes
250	Doxantha unguis cati
251	Ficus pumila
252	Ipomea acuminata
253	Ipomea batatas
254	Jasminum officinale
255	Jasminum polyanthum
256	Macfadyena unguis-cati
257	Pyrostegia venusta
258	Quisqualis indica
259	Rosa wichuraiana
260	Saritaea magnifica
261	Tropaeolum majus
	Succulents
263	Agave americana
264	Agave angustifolia
265	Agave attenuata
266	Aloe arborescens
267	Aloe vera

263	Agave americana
264	Agave angustifolia
265	Agave attenuata
266	Aloe arborescens
267	Aloe vera
268	Echinocactus grusonii
269	Euphorbia milii
270	Euphorbia tirucalli
271	Haloxylon persicum bunge
272	Opuntia ficus-indica
273	Pandanus utilis bory
274	Pedilanthus tithymaloides
275	Portulaca quadrifida
276	Portulacaria afra
277	Sansevieria cylindrica
278	Sansevieria trifasciata
279	Suaeda vermiculata
280	Teucrium polium L.
281	Yucca gloriosa
282	Zygophyllum coccineum

# **Appendix**

Description in text	Small	Meduim Large	
Trees	4.5-6 m	6-15 m	>15 m
Palm	0.9-5 m	5-15 m	15-25 m
Shrubs	0.3-1 m	1-4 m	4-15 m
Groundcover	0.1-0.3 m	0.2-0.75 m	0.75- 1.5 m
Climbers	0.2-3 m	3-10 m	10-25 m
Succulent	0.2-1 m	1-4 m	4-8 m

Description in text	Low	Medium Hig	
Water rate	Once a week	2-3 times a week	Daily watered
Salt tolerance	16 - 24 ds/m 4-16 ds/m 2 - 4		2 - 4 ds/m
Salinity	1000 - 3000 ppm	3000-10000 ppm	10000-35000 ppm
Light	Full shade	Partial sun	Full Sun
Hardiness	zone 1-5	zone 6-9	zone 10-13

# Average Annual Extreme Minimum Temperature 1976-2005

Temp (F)	Zone	Temp (C)	Temp (F)	Zone	Temp (C)
-60 to -50	1	-51.1 to -45.6	10 to 20	8	-12.2 to -6.7
-50 to -40	2	-45.6 to -40	20 to 30	9	-6.7 to -1.1
-40 to -30	3	-40 to -34.4	30 to 40	10	-1.1 to 4.4
-30 to -20	4	-34.4 to -28.9	40 to 50	11	4.4 to 10
-20 to -10	5	-28.9 to -23.3	50 to 60	12	10 to 15.6
-10 to 0	6	-23.3 to -17.8	60 to 70	13	15.6 to 21.1
0 to 10	7	-17.8 to -12.2			







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