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About Landscape Architect

Landscape Architect is everything you need to create 3-D designs of your landscape ideas in minutes. This fast and easy 3-D modeling program features a "drag-and-drop" WYSIWYG approach to creating your landscapes. You dont have to build anything from scratch; to construct complex objects and structures, just drag basic 3-D shapes from the program's object galleries and drop them into the 2-D Design Window. You may edit an object's shape, size and color; add textures (bricks, grass, ivy, wood, tile and more) and surface features (windows and doors, for example) and combine the object with other objects. Immediately, any addition or change is rendered in a companion 3-D walk window where you can explore your site by navigating with your mouse.

The program features one cubic mile of cyberspace in which to design, a set of editing tools and two different navigation techniques. Also included are numerous galleries of 2-D surface features and textures, and 3-D plants and objects that can be added to your designs. Additionally, many pre-built scenes and 3-D home Templates that illustrate the program's modeling, texture mapping, and walk through capabilities are provided.

A vast collection of content galleries are included with this product. This content is extremely useful because it provides hundreds of plant objects as well as hundreds of preconstructed 3-D objects, scenes and textures that you can use in building your own design.

File Menu

New

New creates and opens a new Landscape Architect file.

Open...

Open displays the standard Windows Open dialog from which you can select an existing file to open.

Save

Save saves the current file under the currently used name.

Save As...

Save As opens the Windows Save dialog, which allows you to save the current file under a new name.

Revert to Saved

Revert To Saved opens the last saved version of the current file. If you select this option, any changes made to the model since the last time that you saved it will be lost unless you first use Save As.. and save the changes to the file under another name.

Print Report

Print Report generates a listing of all the new and/or existing plants in the current design. The report which is generated lists the quantity, common name, botanical name, price, and total of plants used in the design. When this command is chosen the Landscape Report dialog box is displayed, you may select either new or existing plants or both. After the selection is made, press OK, the Print dialog box is displayed. Press OK to generate the report on the printer attached to your computer.

Print Setup...

Page Setup/Print Setup opens the standard dialog from which printout size, paper orientation and other printing features are chosen.

Print..

The *Print* command generates a hard copy of the active window centered on the page and enlarged within the constraints of the page.

Printing an entire Design View

Select the Design View to make it active, zoom out until you can see all the objects (you may also resize the window), then choose *Print*.

Printing the Walk View

Navigate in the Walk View to the desired viewing angle, then choose Print. If you experience problems printing in the Walk View, take a shapshot of the view and print from a graphics program.

When printing the Walk View, if your printer does not print grayscale, you may wish to print black object frames with white shading. This gives you a clean, black-line drawing.

Printing objects with black frames and white fill

In the Preferences dialog, click B & W Print Mode.

Export

Export allows you to save views of a Landscape Architect model in another file format. The saved view can be a particular perspective in the Walk View, the drawing in a Design View or a recorded

walk path saved as an AVI movie.

When you select the Export menu item, it displays a pop-up menu listing possible file formats in which to save the file.

Send (Windows '95 users only)

Send allows you to distribute Landscape Architect designs via electronic mail. This feature is only visible if Microsoft Exchange is installed on your system. For further information on this feature please refer to your Windows '95 documentation.

Exit

Exit exits Landscape Architect. If a model is open and changes were made since the last time it was saved, you will be prompted to save any changes before exiting.

Edit Menu

Undo

Undo undoes the last operation.

Cut

Cut removes any selected objects and places them in the Clipboard. Cut objects can then be pasted with the Paste command.

Copy

Copy copies any selected objects to the Clipboard. The difference between Copy and Cut is that Copy leaves the original in place, and Cut removes the original. Copied objects can then be pasted with the Paste command.

Paste

Paste puts the contents of the Clipboard into the model.

Delete

Delete removes or deletes selected objects, surface features or slices without placing them in the Clipboard. Selected objects can also be deleted by pressing DELETE or the BACKSPACE key. The difference between *Cut* and *Delete* is that *Delete* removes objects completely, whereas *Cut* removes objects to the Clipboard so that they may be pasted again.

If you *Delete*, *Cut* or *Clear* something accidently, immediately choose *Undo* under the **Edit** menu after the cutting or clearing operation that you want to reverse.

Select All

Select All selects all the objects (displays all handles).

Unselect All

Unselect All unselects objects or surface features (handles are not displayed). Another method of unselecting is clicking on the background in the Design View or Surface Editor.

OLE Copy

The *OLE Copy* command places a copy of the current image on the Windows OLE clipboard. This allows the contents of the clipboard to be linked or embedded into any other application which is able to act as an OLE container. When a Landscape Architect object is embedded into an application all the data associated with the object is transferred to the container application. When an object is linked on the other hand only the filename of the object is saved in the container. Linking therefore makes it possible to immediately reflect any changes to the object in the container application. Since only filenames are stored in the containers untitled files cannot be linked to other applications.

To place a Landscape Architect object into another application you must select the *Paste Special* command from the application's Edit menu. This displays a dialog box which gives you the option of Pasting or Paste Linking the object, make your selection based on which option best suits your needs.

It is also possible as a result of Landscape Architect's OLE capabilities to drag the entire contents of a document from the design view into a container application by holding down the SHIFT and CTRL keys. When a user performs this procedure the document is embedded into the container application.

Environment

Environment allows you to adjust your design to reflect the full range of possible weather conditions. You are able to select the season and the current weather conditions e.g. sunny, gloomy to display in your design. In addition to displaying weather conditions, you are able to move backward or forward in time to get an idea of how your garden would look in the future or how it looked in the past. This feature is particularly useful since your landscaping dreams do not materialize immediately, this feature allows you to get a glimpse of what your ideas will turn out to be.

Preferences

The Preferences dialog allows you to set preferences for the appearance of Landscape Architect.

Each time you save a Landscape Architect model, any changes that were made to the Preference settings are saved with it. When you open the model again, its preferences are restored.

Units: Centimeter/Inch

Units determines the units of the ruler in the Design View.

Dithering

Dithering is a technique that allows more colors, which results in more color-accurate renderings. Dithering is activated by default. The disadvantage of Dithering is that the screen appears more grainy.

Snap to Grid

Snap to Grid snaps objects to an invisible grid when they are placed or moved. The grid is based on the ruler tick marks in the Design View and Surface Editor.

If you zoom in or out, the ruler tick marks change, therefore, the invisible grid changes. For example, if each tick mark represents one inch, handles snap to the nearest inch. If each tick mark represents one foot, handles snap to the nearest foot.

If Snap to Grid is not selected, the ability to place and move objects is constrained only by screen pixels.

Snap to Grid also affects object rotation. If Snap to Grid is selected and you rotate an object, the rotation snaps to 5° increments.

B&W Print Mode

B&W Print Mode prints objects with black lines and white surfaces. The printed result is a clean, black-line drawing.

Flash Graphics

Flash Graphics (Windows) turns on Landscape Architects drawing routines and uses those routines instead of the standard Microsoft Windows drawing routines. Flash Graphics substantially speeds up the Landscape Architect application. Usually, Flash Graphics is turned on by default; however, some video boards are not compatible with Flash Graphics. The Landscape Architect application checks for compatibility with your system when you install, and if a conflict is detected, Flash Graphics is turned off.

Collision Detection

Collision Detection prevents you (the Observer) from walking through walls or surfaces where no hole or doorway is present. If this option is not selected, you are free to roam through object surfaces.

Save As Default

Save As Default saves the current preferences as the application default preferences. Application default preferences apply to all new models that you create. If you open an existing file, that files preferences will override the application defaults.

Get Defaults

Get Defaults resets the Preferences dialog to the original preferences settings.

Cancel

Cancel voids changes that you made to the preferences settings.

OK

OK applies any Preferences dialog changes to the current model.

Walk Menu

Home Observer

Home Observer returns the observer to the default or Home position, point (0, 0, 5).

Level Observer

Level Observer orients the line of sight in the Walk View, making it level if it has been altered with the SHIFT key during navigation.

Wide Angle

Wide Angle changes the Walk View to give the effect of looking through a 15mm, wide-angle camera lens.

Standard

Standard displays the Walk View normally (35mm), that is, not wide angle or telephoto.

Telephoto

Telephoto changes the Walk View to give the effect of looking through a 135mm, telephoto camera lens.

Normal

Normal displays all translucent and transparent object, surfaces and surface features, object color fill, wire frames, and textures.

Flat Shaded

Flat Shaded increases your walk speed by not allowing you to see through transparent or translucent object surfaces or surface features, and not displaying textures.

Wireframe

Wireframe speeds up your navigation by displaying only wire frames of objects. No object color fill, surface features or textures are displayed.

Rewind

Rewind allows you to stop the recording of a walk path. If a walk path is playing, you can stop it by clicking the mouse button. Once the playback is stopped, selecting Rewind will rewind the recording to its starting point. If you select Play without first rewinding with the Rewind command, the playback will continue from the point where it was stopped.

Play

Play allows you to play back a recorded walk path. Walk paths are recorded with the Record option.

Record

Record allows you to record a walk path. When you select Record, any movements that you make in the Walk View are recorded. You can then play back the recorded walk path or save it with the Snapshot option.

Design Menu

Arrange

The Arrange command is only available in the Surface Editor mode. Selecting Arrange displays a pop-up menu which allows you to order the stacking order of surface features. If your design contains several overlapping surface features you are able to select any of them and change its position in the stacking order i.e. move it forward or backward using the commands in this menu.

Snap to Grid

Snap to Grid snaps objects to an invisible grid when they are placed or moved.

The grid is based on the ruler tick marks in the Design View and Surface Editor. If you zoom in or out, the ruler tick marks change, therefore, the invisible grid changes. For example, if each tick mark represents one inch, handles snap to the nearest inch. If each tick mark represents one foot, handles snap to the nearest foot.

If Snap to Grid is not selected, the ability to place and move objects is constrained only by screen pixels.

Group

Group joins any selected objects so that they are treated as a single object, that is, they can be moved, rotated or scaled together and selected with a single click. Grouped objects can be ungrouped with the *Ungroup* command.

Ungroup

Ungroup ungroups a selected object if it was previously grouped with the Group command.

Lock Selected

Lock Selected fixes the position and location of all the currently selected objects. This command is particularly useful if you are editing a heavily populated area of a design. This feature allows you to alter the attributes of objects which are in close proximity to other objects without inadvertently altering them.

Unlock All

The *Unlock All* command removes the lock setting from all design objects which were fixed using the *Lock* command.

Duplicate

Duplicate makes an exact copy of any selected object or surface feature and places it on or near the original. Duplicate does not copy to the Clipboard as does the Copy command. Duplicate will duplicate objects as well as object placement, scaling and rotation. For example, you can create an object, duplicate that object, and position the second object on the right side of the original so that the objects appear to be touching. Then you can select Duplicate again and an identical third object, joined on the right side of the second object, will appear; youll have a line of three identical objects spaced the same distance apart. The duplicates position relative to the object that it duplicated is maintained as long as the original object remains selected. If you continue choosing Duplicate, the objects will continue duplicating to the right until you have a line of identical objects. This can be extremely helpful in modeling objects such as staircases.

NOTE: When you create the first duplication, it retains the original objects position, scaling and rotation information. The object must remain selected until the next

duplication is made or the information will be lost.

Changes to object type are not duplicated. For example, if you create an object 10 feet tall and then duplicate it and increase the height of the duplication to 15 feet, subsequent duplications will have a height of 15 feet, they will not grow in height by increments of five feet.

The Duplicate command only duplicates manipulations to the entire object. It does not duplicate edits to part of an object.

Edit Ground

Edit Ground switches the program into Surface Editor mode with the ground plane as the selected object. This allows you to apply textures or covers in much the same fashion as any other object. Since the ground cannot be edited by any other means, you are prevented from applying textures to it accidentally along with your other design objects.

Object Properties

Object Properties displays an information box which contains the coordinates of the center of the selected object. If a plant is the selected object, its botanical name, age, height and width is also displayed.

Window Menu

Gallery

Gallery displays or hides the Gallery window

Design

Design displays or hides the Design window.

Walk

Walk displays or hides the Walk window.

Tile Horizontal

Tile Horizontal positions the currently active window above the currently inactive window , and both windows are stretched horizontally to fit the monitor. The Gallery Window is positioned normally, that is, to the left of the other windows

Tile Vertical

Tile Vertical positions the currently active window to the left of the currently inactive window and both windows are stretched vertically to fit the monitor. The Gallery Window is positioned normally, that is, to the left of the other windows.

JPEG Options

Size:

Size is a pop-up menu with a list of common screen sizes, measured in pixels, from which you can choose a size for the JPEG. Also on the pop-up is the Custom option, which allows you to enter a custom pixel width and height in the text boxes next to the pop-up menu.

Video For Windows Options

To take a BMP in Video for Windows, you must first record a walk path. See Record. If you have not recorded a walk path, the Video for Windows format option will be grayed and unselectable.

Size:

Size is a pop-up menu with a list of common screen sizes, measured in pixels, from which you can choose a size for the window. Also on the pop-up is the Custom option, which allows you to enter a custom pixel width and height in the text boxes next to the pop-up menu.

Frames:

Frames allows you to select a range of frames from the recorded walk path to be saved in AVI format. The default is for all frames to be saved, but you may type a new range in the text boxes.

Smooth Path

If selected, Smooth Path compares frames in the recorded path and inserts more frames where necessary to make the path smoother when played back. The disadvantage of smoothing is that it can easily quadruple the file size of your AVI file. And smoothing may not even be helpful, depending on the size of the steps in the walk path.

Rate:

Rate allows you to enter a rate of frames per second for Video for Windows to play back the file. Your machine is limited to how fast that it can play back frames. For example, you may set the Rate option at 32 frames per second, but your machine may only be fast enough to play back six frames per second.

Bitmap Options

Size:

Size is a pop-up menu with a list of common screen sizes, measured in pixels, from which you can choose a size for the BMP. Also on the pop-up is the Custom option, which allows you to enter a custom pixel width and height in the text boxes next to the pop-up menu.

Colors:

Colors displays a pop-up of 2, 16, 256 or Millions from which you can select a color mode. Also displayed is the Grayscale checkbox, which will save the BMP in shades of gray if your monitor supports this mode. The number of shades of gray depends on which option is selected under the pop-up.

Compression:

Compression options are On or Off. The default is On. Most software capable of reading BMP format can deal with compressed format; however, some software cannot. If you experience problems reading a BMP into another program, try turning off compression.

Plant Reference

Following is a list of plant categories, click on any of the categories to display information on the plants which make up these categories. All ages are measured in years and all heights and widths are measured in meters.

Bedding Plants Summer Bedding Plants Fall Bedding Plants Multi Season Bedding Plants Spring 1 **Bedding Plants Spring 2 Deciduous Shrubs** Deciduous Trees 1 Deciduous Trees 2 **Evergreen Shrubs 1** Evergreen Shrubs 2 **Evergreen Trees** Flowering Shrubs 1 Flowering Shrubs 2 Flowering Trees General Bedding Plants General Deciduous Shrubs General Evergreen Shrubs 1 General Evergreen Tree 1 General Evergreen Trees 2 General Flowering Shrubs General Flowering Trees General Ground Cover

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Ground Cover 1
Palm Trees

Bedding Plants Summer

Botanical name Allium thunbergii 'ozawa'

0.9 Maximum height 1 Age Height 0.9 Width 0.56 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Campanula carpatica

Maximum height 0.2 Age 1 0.2 Height Width 0.4 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Dianthus 'zing Rose'

0.2 Maximum height Age 1 0.2 Height Width 0.2 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Digitalis Maximum height 0.9 Age 1 Heiaht 0.9Width 0.6 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Iris 'banbury Ruffles'

Maximum height 0.25 Age 1 0.25 Height Width 0.21 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Lillium 'jacques x. dijt'

Maximum height 1.1 Age 1 Height 1.1 Width 0.62 Visible and growing Summer

Dormant Spring, Fall, Winter

Botanical name Physostegia virginiana 'alba'

Maximum height 0.61 Age 1 Height 0.61 Width 0.55

Visible and growing Dormant

Summer Spring, Fall, Winter

Bedding Plants Fall

Crocus sativus

Botanical name Maximum height 0.2 Age Height 1 0.2 Width 0.2 **Visible and growing** Fall

Dormant Spring, Summer, Winter

Bedding Plants Multi Season

Botanical name Achillea 'anthea'

Maximum height0.6Age1Height0.6Width0.5

Visible and growing DormantSummer, Fall
Spring, Winter

Botanical name Chrysanthemum rubellum 'clara'

Maximum height0.6Age1Height0.6Width0.6

Visible and growing DormantSummer, Fall
Spring, Winter

Botanical name Crocus remembrance

Maximum height0.2Age1Height0.2Width0.2

Visible and growing Winter, Spring **Dormant** Summer, Fall

Botanical name Cyclamen coum

Maximum height0.13Age1Height0.13Width0.16

Visible and growing Winter, Spring **Dormant** Summer, Fall

Bedding Plants Spring 1

Botanical name Convallaria majalis pink

Maximum height0.2Age1Height0.2Width0.2Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Leucojum aestivum

Maximum height0.38Age1Height0.38Width0.32Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Narcissi jonquill

Maximum height0.41Age1Height0.41Width0.31Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Narcissi tazetta

Maximum height0.46Age1Height0.46Width0.35Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Narcissus triandrus

Maximum height0.3Age1Height0.3Width0.23Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Scilla siberica 'spring Beauty'

Maximum height0.13Age1Height0.13Width0.16Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip giant darwin 'big Chief'

Maximum height0.66Age1Height0.66Width0.47

Visible and growing Spring

Dormant Summer, Fall, Winter

Botanical name Tulip giant darwin 'kennedy'

Maximum height0.66Age1Height0.66Width0.47Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip greigii 'corsage'

Maximum height0.3Age1Height0.3Width0.25Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip greigii 'golden tango'

Maximum height0.3Age1Height0.3Width0.25Visible and growingSpring

Dormant Summer, Fall, Winter

Bedding Plants Spring 2

Botanical name Tulip kaufman. 'cherry orchard'

Maximum height0.58Age1Height0.58Width0.15Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip kaufman. 'shakespeare'

Maximum height0.58Age1Height0.58Width0.15Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip lily 'china pink'

Maximum height0.58Age1Height0.58Width0.37Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip lily 'white triumphator'

Maximum height0.58Age1Height0.58Width0.37Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip Orange Emperor

Maximum height0.46Age1Height0.46Width0.31Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip Pink Emperor

Maximum height0.46Age1Height0.46Width0.31Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip s. early 'dr. An Wang'

Maximum height0.38Age1Height0.38Width0.27

Visible and growing Spring

Dormant Summer, Fall, Winter

Botanical name Tulip s. early 'general de Wet'

Maximum height0.38Age1Height0.38Width0.27Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip s. late 'esther'

Maximum height0.64Age1Height0.64Width0.46Visible and growingSpring

Dormant Summer, Fall, Winter

Botanical name Tulip s. late 'golden Delicious'

Maximum height0.64Age1Height0.64Width0.46Visible and growingSpring

Dormant Summer, Fall, Winter

Deciduous Shrubs

Botanical name Buddleia alternifolia

Maximum height3.5Age4Height1.5Width1.83

Visible and growing all seasons **Dormant** not applicable

Botanical name Ceanothus griseus horizontalis

Maximum height0.75Age4Height0.4Width0.5

Visible and growing all seasons **Dormant** not applicable

Botanical name Cytisus scoparius 'moonglow'

Maximum height2.0Age4Height1.0Width1.0

Visible and growing all seasons not applicable

Botanical name Deutzia gracilis

Maximum height1.2Age8Height1.2Width1.7

Visible and growing all seasons **Dormant** not applicable

Botanical name Euonymus alata

Maximum height3Age25Height3Width3.93

Visible and growing all seasons **Dormant** not applicable

Botanical name Kerria japonica

Maximum height1.5Age12Height1.5Width1.7

Visible and growing all seasons not applicable

Botanical name Ligustrum ovalifolium

Maximum height4.5Age20Height4.5Width4.16

Visible and growing all seasons not applicable

Botanical name Punica granatum 'nana'

Maximum height6Age25Height6Width5.38

Visible and growing all seasons
Dormant not applicable

Botanical name Rhus typhina

Maximum height6Age20Height6Width9.21

Visible and growing all seasons **Dormant** not applicable

Botanical name Spiraea prunifolia

Maximum height2.5Age15Height2.5Width3.36

Visible and growing all seasons **Dormant** not applicable

Botanical name Spiraea vanhouttei

Maximum height1.75Age12Height1.75Width2.27

Visible and growing all seasons not applicable

Botanical name Weigela florida 'rosea'

Maximum height2.5Age12Height2.5Width3.3

Visible and growing all seasons **Dormant** not applicable

Deciduous Trees 1

Botanical name Acer griseum

Maximum height6Age18Height2.5Width2.5

Visible and growing all seasons **Dormant** not applicable

Botanical name Acer rubrum

Maximum height18Age20Height6Width6

Visible and growing all seasons **Dormant** not applicable

Botanical name Acer rubrum 'october Glory'

Maximum height18Age20Height6Width6

Visible and growing all seasons not applicable

Botanical name Alnus glutinosa

Maximum height18Age15Height8Width6

Visible and growing all seasons
Dormant not applicable

Botanical name Betula nigra

Maximum height28Age18Height9Width9

Visible and growing all seasons not applicable

Botanical name Betula papyrifera

Maximum height25Age25Height10Width5.8

Visible and growing all seasons not applicable

Botanical name Carpinus betulus

Maximum height12Age30Height6Width4

Visible and growing all seasons
Dormant not applicable

Botanical name Carpinus caroliniana

Maximum height11Age25Height5.5Width3.5

Visible and growing all seasons **Dormant** not applicable

Botanical name Carya ovata

Maximum height24Age20Height7.5Width6.8

Visible and growing all seasons **Dormant** not applicable

Botanical name Cotinus obovatus

Maximum height15Age25Height10Width10.333Visible and growingall seasonsDormantnot applicable

Botanical name Fraxinus quadrangulata

Maximum height24Age20Height9Width9

Visible and growing all seasons not applicable

Deciduous Trees 2

Botanical name Gleditsia triacanthos

Maximum height30Age30Height9Width9.4

Visible and growing all seasons **Dormant** not applicable

Botanical name Liriodendron tulipifera

Maximum height32Age12Height9Width6.4

Visible and growing all seasons not applicable

Botanical name Nyssa sylvatica

Maximum height24Age30Height7.5Width5.6

Visible and growing all seasons not applicable

Botanical name Populus nigra 'italica'

Maximum height35Age20Height21Width7.4

Visible and growing all seasons not applicable

Botanical name Pseudolarix kaempferi

Maximum height18Age20Height6Width5

Visible and growing all seasons **Dormant** not applicable

Botanical name Pyrus calleryana 'bradford'

Maximum height10Age20Height5.5Width3.3

Visible and growing all seasons not applicable

Botanical name Quercus palustris

Maximum height22Age18Height8Width6.2

Visible and growing all seasons not applicable

Botanical name Salix alba

Maximum height24Age6Height3Width3.3

Visible and growing all seasons not applicable

Botanical name Salix babylonica

Maximum height10Age6Height3Width3.3

Visible and growing all seasons
Dormant not applicable

Botanical name Sophora japonica

Maximum height24Age22Height7Width7.5

Visible and growing all seasons **Dormant** not applicable

Evergreen Shrubs 1

Botanical name Aucuba japonica 'variegata'

Maximum height5Age25Height3.5Width2.6

Visible and growing all seasons not applicable

Botanical name Buxus sempervirens

Maximum height5Age18Height1.25Width0.96

Visible and growing all seasons not applicable

Botanical name llex crenata

Maximum height3Age12Height1.25Width1.2

Visible and growing all seasons
Dormant not applicable

Botanical name Juniperus chinensis 'blue point'

Maximum height4Age15Height4Width1.8

Visible and growing all seasons not applicable

Botanical name Juniperus chin. 'pfitz. glauca'

Maximum height1.25Age15Height1.25Width2

Visible and growing all seasons not applicable

Botanical name Juniperus chinensis 'sea green'

Maximum height1.25Age15Height1.25Width1.6

Visible and growing all seasons not applicable

Botanical name Mahonia aquifolium

Maximum height2Age18Height2Width2.6

Visible and growing Dormant

all seasons not applicable

Evergreen Shrubs 2

Botanical name Nandina domestica

Maximum height2.5Age5Height1.5Width2

Visible and growing all seasons **Dormant** not applicable

Botanical name Nerium oleander 'single white'

Maximum height6Age5Height2.5Width2.5

Visible and growing all seasons **Dormant** not applicable

Botanical name Photinia fraseri

Maximum height6Age25Height6Width4.9

Visible and growing all seasons
Dormant not applicable

Botanical name Pieris floribunda

Maximum height2Age10Height0.75Width0.61

Visible and growing all seasons
Dormant not applicable

Botanical name Pinus mugo

Maximum height2.5Age10Height1Width1.9

Visible and growing all seasons **Dormant** not applicable

Botanical name Pittosporum tobira

Maximum height3Age10Height2Width2.6

Visible and growing all seasons not applicable

Botanical name Podocarpus macrophyllus

Maximum height10Age15Height3.25Width2.3

Visible and growing all seasons **Dormant** not applicable

Botanical name Taxus baccata

Maximum height10Age20Height6Width5.6

Visible and growingall seasonsDormantnot applicable

Evergreen Trees

Botanical name Ilex aquifolium

Maximum height6Age20Height2.5Width1.9

Visible and growing all seasons **Dormant** not applicable

Botanical name Ilex opaca 'miss Helen'

Maximum height12Age18Height3Width2.25

Visible and growing all seasons not applicable

Botanical name Juniperus virginiana 'skyrocket'

Maximum height6Age10Height2.5Width0.92

Visible and growing all seasons not applicable

Botanical name Picea abies

Maximum height28Age17Height8Width4.5

Visible and growing all seasons not applicable

Botanical name Picea glauca 'conica'

Maximum height2.5Age5Height1.25Width0.6

Visible and growing all seasons not applicable

Botanical name Pinus densiflora

 Maximum height
 15.5

 Age
 60

 Height
 15.5

 Width
 14.8

Visible and growing all seasons **Dormant** not applicable

Botanical name Pinus patula

Maximum height12Age60Height12Width7.4

Visible and growing all seasons not applicable

Botanical name Pinus sylvestris

Maximum height24Age70Height24Width18.8

Visible and growing all seasons not applicable

Botanical name Pseudotsuga menziesii

Maximum height24Age25Height6Width5.1

Visible and growing all seasons **Dormant** not applicable

Botanical name Quercus virginiana

Maximum height18Age40Height8Width10.2

Visible and growing all seasons **Dormant** not applicable

Flowering Shrubs 1

Botanical name Abelia grandiflora

Maximum height2Age15Height2Width2.6

Visible and growing all seasons **Dormant** not applicable

Botanical name Azalea 'blue Danube'

Maximum height1.2Age8Height1.2Width2

Visible and growing all seasons not applicable

Botanical name Forsythia intermedia

Maximum height3Age15Height3Width3.3

Visible and growing all seasons not applicable

Botanical name Hamamelis mollis

Maximum height8Age35Height8Width8.9

Visible and growing all seasons not applicable

Botanical name Hydrangea arborescens

Maximum height1.2Age8Height1.2Width1.6

Visible and growing all seasons not applicable

Botanical name Kalmia latifolia

Maximum height3Age10Height1.25Width1.6

Visible and growing all seasons not applicable

Botanical name potentilla fruticosa

Maximum height2Age10Height1.2Width1.6

Visible and growing Dormant

all seasons not applicable

Flowering Shrubs 2

Botanical name Abelia grandiflora

Maximum height2Age15Height2Width2.6

Visible and growing all seasons **Dormant** not applicable

Botanical name Azalea 'blue Danube'

Maximum height1.2Age8Height1.2Width2

Visible and growing all seasons not applicable

Botanical name Forsythia intermedia

Maximum height3Age15Height3Width3.3

Visible and growing all seasons not applicable

Botanical name Hamamelis mollis

Maximum height8Age35Height8Width8.9

Visible and growing all seasons not applicable

Botanical name Hydrangea arborescens

Maximum height1.2Age8Height1.2Width1.6

Visible and growing all seasons **Dormant** not applicable

Botanical name Kalmia latifolia

Maximum height3Age10Height1.25Width1.6

Visible and growing all seasons
Dormant not applicable

Botanical name potentilla fruticosa

Maximum height2Age10Height1.2Width1.6

Visible and growing Dormant

all seasons not applicable

Flowering Trees

Botanical name cornus alternifolia

Maximum height6Age15Height3Width4

Visible and growing all seasons not applicable

Botanical name cornus florida

Maximum height9Age35Height9Width12

Visible and growing all seasons not applicable

Botanical name crataegus viridis 'winter King'

Maximum height10Age10Height3Width5

Visible and growing all seasons not applicable

Botanical name koelreuteria bipinnata

Maximum height9Age18Height4Width4.4

Visible and growing all seasons not applicable

Botanical name lagerstroemia indica pink

Maximum height6Age8Height2.5Width2.11

Visible and growing all seasons not applicable

Botanical name lagerstroemia indica red

Maximum height6Age8Height2.5Width2.11

Visible and growing all seasons
Dormant not applicable

Botanical name lagerstroemia indica white

Maximum height6Age8Height2.5Width2.11

Visible and growing all seasons
Dormant not applicable

Botanical name magnolia acuminata

Maximum height24Age18Height6Width6

Visible and growing all seasons **Dormant** not applicable

Botanical name magnolia virginiana

Maximum height15Age12Height5Width6.4

Visible and growing all seasons not applicable

Botanical name prunus cerasifera 'thundrcloud'

Maximum height6Age12Height3Width3.2

Visible and growing all seasons
Dormant not applicable

Botanical name prunus sargentii

Maximum height20Age12Height6Width8.28

Visible and growing all seasons **Dormant** not applicable

General Bedding Plants

Botanical namered tulipMaximum height0.58Age1Height0.58Width0.37Visible and growingSpring

Dormant Summer, Fall Winter

Botanical namewhite tulipMaximum height0.58Age1Height0.58Width0.37Visible and growingSpring

Dormant Summer, Fall Winter

Botanical name yellow daffodils

Maximum height0.41Age1Height0.41Width0.31Visible and growingSpring

Dormant Summer, Fall Winter

General Deciduous Shrubs

Botanical name oblong shrub

Maximum height1.2Age4Height0.4Width0.37

Visible and growing all seasons **Dormant** not applicable

Botanical name oval mound blue

Maximum height1.8Age8Height1.2Width2

Visible and growing all seasons not applicable

Botanical name oval mound dark green

Maximum height1.8Age8Height1.2Width2

Visible and growing all seasons not applicable

Botanical name oval mound light green

Maximum height1.8Age8Height1.2Width2

Visible and growing all seasons
Dormant not applicable

Botanical name oval mound purple

Maximum height1.8Age8Height1.2Width2

Visible and growing all seasons not applicable

Botanical name round shrub

Maximum height1.5Age25Height0.9Width1.2

Visible and growing all seasons **Dormant** not applicable

Botanical name vase shape shrub

Maximum height1.5Age25Height1.5Width1.4

Visible and growing Dormant

all seasons not applicable

General Deciduous Trees

Botanical name columnar

Maximum height21Age20Height21Width7.4

Visible and growing all seasons **Dormant** not applicable

Botanical name multi-stem vase

Maximum height2.5Age18Height2.5Width2.5

Visible and growing all seasons not applicable

Botanical nameoblongMaximum height5.5Age25Height5.5Width3.5

Visible and growing all seasons not applicable

Botanical name open pyramidal

Maximum height16Age20Height6Width5

Visible and growing all seasons
Dormant not applicable

Botanical nameovalMaximum height16Age20Height9Width9

Visible and growing all seasons not applicable

Botanical nameroundMaximum height20Age25Height10Width10.333Visible and growingall seasonsDormantnot applicable

Botanical nameteardropMaximum height12Age30Height6Width4

Visible and growing all seasons **Dormant** not applicable

Botanical nameweepingMaximum height10Age6Height3Width3.3

Visible and growingall seasonsDormantnot applicable

General Evergreen Shrubs 1

Botanical name columnar Maximum height 21

 Age
 20

 Height
 21

 Width
 7.4

Visible and growing all seasons **Dormant** not applicable

Botanical name multi-stem vase

Maximum height2.5Age18Height2.5Width2.5

Visible and growing all seasons not applicable

Botanical nameoblongMaximum height5.5Age25Height5.5Width3.5

Visible and growing all seasons not applicable

Botanical name open pyramidal

Maximum height16Age20Height6Width5

Visible and growing all seasons **Dormant** not applicable

Botanical nameovalMaximum height16Age20Height9Width9

Visible and growing all seasons not applicable

Botanical nameroundMaximum height20Age25Height10Width10.333Visible and growingall seasonsDormantnot applicable

Botanical nameteardropMaximum height12Age30Height6Width4

Visible and growing all seasons **Dormant** not applicable

Botanical nameweepingMaximum height10Age6Height3Width3.3

Visible and growingall seasonsDormantnot applicable

General Evergreen Trees 1

Botanical name broadleaf evergreen

Maximum height15Age50Height9Width6.5

Visible and growing all seasons not applicable

Botanical name columnar conifer blue green

Maximum height15Age10Height2.5Width0.92Visible and growingall sea

Visible and growing all seasons
Dormant not applicable

Botanical name columnar conifer green

Maximum height15Age10Height2.5Width0.92

Visible and growing all seasons not applicable

Botanical name columnar conifer yellow green

Maximum height15Age10Height2.5Width0.92

Visible and growing all seasons not applicable

Botanical name cone conifer blue green

Maximum height2Age5Height0.76Width0.35

Visible and growing all seasons not applicable

Botanical name cone conifer green

Maximum height2Age5Height0.76Width0.35

Visible and growing all seasons not applicable

Botanical name cone conifer yellow green

Maximum height2Age5Height0.76Width0.35

Visible and growing all seasons
Dormant not applicable

Botanical name pyramidal conifer with stem blue green

Maximum height24Age20Height8Width6.3

Visible and growing all seasons **Dormant** not applicable

Botanical name pyramidal conifer with stem green

Maximum height24Age20Height8Width6.3

Visible and growing all seasons **Dormant** not applicable

Botanical name pyramidal conifer with stem yellow green

Maximum height24Age20Height8Width6.3

Visible and growing all seasons
Dormant not applicable

General Evergreen Trees 2

Botanical name pyramidal without stem blue green

Maximum height28Age20Height8Width4.5

Visible and growing all seasons not applicable

Botanical name pyramidal without stem green

Maximum height28Age20Height8Width4.5

Visible and growing all seasons **Dormant** not applicable

Botanical name pyramidal without stem green

Maximum height28Age20Height8Width4.5

Visible and growing all seasons **Dormant** not applicable

Botanical name pyramidal without stem yellow green

Maximum height28Age20Height8Width4.5

Visible and growing all seasons **Dormant** not applicable

Botanical name round conifer blue green

 Maximum height
 20

 Age
 60

 Height
 15.5

 Width
 14.8

Visible and growing all seasons not applicable

Botanical name round conifer green

 Maximum height
 20

 Age
 60

 Height
 15.5

 Width
 14.8

Visible and growing all seasons not applicable

Botanical name round conifer yellow green

Maximum height20Age60Height15.5Width14.8

Visible and growing all seasons not applicable

Botanical name square conifer blue green

Maximum height6Age20Height6Width5.6

Visible and growing all seasons **Dormant** not applicable

Botanical name square conifer green

Maximum height6Age20Height6Width5.6

Visible and growing all seasons
Dormant not applicable

Botanical name square conifer yellow green

Maximum height6Age20Height6Width5.6

Visible and growing all seasons **Dormant** not applicable

General Flowering Shrubs

Botanical name flowering shrub 6

Maximum height1.5Age25Height1.5Width1.4

Visible and growing all seasons not applicable

Botanical name flowering shrub 7

Maximum height1.5Age25Height1.5Width1.4

Visible and growing all seasons **Dormant** not applicable

Botanical name flowering shrub 8

Maximum height1.5Age25Height1.5Width1.4

Visible and growing all seasons **Dormant** not applicable

Botanical name flowering shrub 5

Maximum height1Age10Height0.6Width1.1

Visible and growing all seasons **Dormant** not applicable

Botanical name flowering shrub 1

Maximum height3Age15Height3Width4

Visible and growing all seasons not applicable

Botanical name flowering shrub 2

Maximum height1.2Age4Height0.4Width0.37

Visible and growing all seasons not applicable

Botanical name flowering shrub 3

Maximum height2Age12Height1.5Width1.7

Visible and growing all seasons not applicable

Botanical name flowering shrub 4

Maximum height6Age25Height6Width4.9

Visible and growingall seasonsDormantnot applicable

General Flowering Trees

Botanical name flowering tree 5
Maximum height 5
Age 8
Height 25

 Height
 2.5

 Width
 2.11

Visible and growing all seasons not applicable

Botanical name flowering tree 6

Maximum height6Age12Height3Width3.2

Visible and growing all seasons **Dormant** not applicable

Botanical name flowering tree 7

Maximum height12Age12Height6Width8.28

Visible and growing all seasons **Dormant** not applicable

Botanical name flowering tree 1

Maximum height5Age15Height3Width4

Visible and growing all seasons not applicable

Botanical name flowering tree 2

Maximum height6Age10Height3Width5

Visible and growing all seasons not applicable

Botanical name flowering tree 3

Maximum height6Age8Height2.5Width2.11

Visible and growing all seasons not applicable

Botanical name flowering tree 4

Maximum height5Age8Height2.5Width2.11

Visible and growing Dormant

all seasons not applicable

General Ground Cover

Botanical name grasslike mounds

Maximum height0.5Age5Height0.3Width0.33

Visible and growing all seasons
Dormant not applicable

Botanical name green juniper

Maximum height0.35Age12Height0.35Width2.4

Visible and growing all seasons **Dormant** not applicable

Ground Cover 1

Botanical name arctostaphylos

Maximum height0.35Age5Height0.35Width1.1

Visible and growing all seasons **Dormant** not applicable

Botanical name juniperus horizontalis

Maximum height0.35Age12Height0.35Width2.4

Visible and growing all seasons **Dormant** not applicable

Botanical name juniperus horiz. 'bar Harbor'

Maximum height0.35Age12Height0.35Width2.4

Visible and growing all seasons not applicable

Botanical name juniperus horiz. 'mother Lode'

Maximum height0.35Age12Height0.35Width2.4

Visible and growing all seasons not applicable

Botanical name liriope muscari 'majestic'

Maximum height0.5Age5Height0.3Width0.33

Visible and growing all seasons **Dormant** not applicable

Palm Trees

Botanical name chamaerops humilis
Maximum height 3
Age 10
Height 3
Width 4.8
Visible and growing all seasons
Dormant not applicable

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