



Plant Selection Guidelines

REVISED WINTER 2021



PLANT SELECTION GUIDELINES

Choosing appropriate vines for greenscreen® projects requires careful consideration of climate zone, sun exposure, soil type, soil volume, area of coverage, irrigation needs, plant growth habits, adjacency to other plants and desired visual effects. While the hardiness zone of the installation location may be the foremost aspect for selecting plant material, determining these other requirements should not be overlooked.

HARDINESS ZONE SELECTION

For projects in North America, the U.S. Department of Agriculture maintains a map that designates zones for plant-growing adaptability. This map shows areas as an average for lowest temperature and represents the extreme temperatures to which a vine would generally be exposed. The zone designation can be matched with the range that is listed for each named plant. The vine list is categorized by the lowest zone tolerance for each plant and shows a range of zones in which each vine may thrive. For example, a green façade project may be in Zone 6 and a vine listed for Zones 5 through 9 should be acceptable for this climate-specific consideration.



PLANT GROWTH HABITS

Green façade designers should be aware of plant growth habits that include the method that a vine uses to climb vertically or spread horizontally. Using plants with different types of growth habits can be very effective depending upon the desired design effects and maintenance commitment.

greenscreen® modular panels are used for wall-mounted green façades and freestanding or fencing projects. The growth habits of the vines should be matched with the usage that may also include columns, shapes and overhead installations.

TWINING (T) AND LEAF STEM (LS)

Twining vines use their leaf structure or main stem to twist or circle around any type of support. Leaf stem (tendrils) use thin, wiry structures along the plant's stem that curl or coil to find the support necessary to grow vertically. Vines with these growth habits are strongly recommended for wall-mounted installations in proximity to the building envelope. These types of vines are also excellent choices for freestanding or fencing installations.

Examples:



Honeysuckle



Jasmine



Black-Eyed Susan Vine



Clematis

SCRAMBLERS (S)

Scrambling, or rambling, vines and shrubs have long, flexible stems that may look like vines, but they are unable to climb on their own. Some plants use thorns or some type of hook to enable vertical growth. The three-dimensional aspect of greenscreen® panels makes these an excellent choice for wall-mounted and freestanding applications, but additional maintenance may be required to keep them on the panels.

Examples:



Bougainvillea

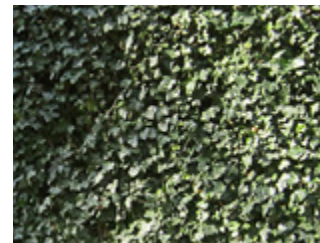


Climbing Rose

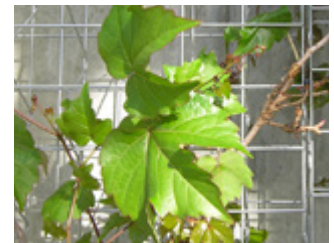
ROOT CLIMBERS (RC) AND ADHESIVE SUCKER (AS)

Root climbing vines produce a cluster of short, stout roots that cling to almost any surface. Adhesive sucker vines support themselves with short, lateral shoots tipped with disks that stick to any surface. **Vines with these growth habits are NOT recommended for wall-mounted installations as they may threaten the integrity of the building envelope.** These vines can be used for freestanding or fencing installations.

Examples:



English Ivy



Boston Ivy

Plant Selection Guidelines

CYCLES

Selecting vines for their seasonal qualities of evergreen, semi-evergreen and deciduous can be an effective strategy for designing green façades for performance characteristics in relation to a building and its site. Deciduous plants can allow sunlight onto a building's surface that can contribute to heat gain of many typical building materials or allow light to pass through adjacent windows or onto pedestrian areas during the colder months with a lower azimuth of the sun. This can also be a consideration for shading sunlight with a vertical or overhead greenscreen® panel when it is beneficial to eliminate any additional heat gain on a building or in a pedestrian zone. For many installations in colder zones, it is desirable to have an evergreen vine. Generally, these zones have shorter growing seasons that affect the time necessary to cover large surfaces of a façade. Plants in these exposures are affected by extreme cold and frequent wind and will require adequate access to moisture at their root level. Moisture delivery needs to be balanced with the establishment needs of vines with higher frost line depths.



Project: John Muir Health, Walnut Creek Medical Center, CA

ADDITIONAL SELECTION CONSIDERATIONS

Many green façades are specified with only a single vine species, and in smaller limited scale applications, this can be a successful strategy and also coincides with a managed maintenance regime. Early research comparing greenscreen® installations to indigenous green walls in the northeast has demonstrated that those with multiple plant species closely replicate those established in nature. This is reflected in the leaf area index, the area percent coverage and the plant depth of the green façade. Multi-vine specification can be important for long-term survival and the delivery of performance required for ecosystem benefits, green façade survival and reduced maintenance. Selecting plants with aspects of flowering or fruit production should be determined on a project-by-project basis and should be part of the maintenance evaluation. Evergreen vines growing in combination with deciduous, flowering and fruiting vines is a great way to make sure that there are four seasons of interest on the greenscreen® panels.



Project: Anthropologie, Corona, CA

Plant Selection Guidelines

greenscreen®'s *Recommended Plant List by Hardiness Zones* is not a comprehensive list of all the vine selection possibilities but is based

upon general availability from most plant growers of the plants listed. greenscreen® recommends that a landscape architect, landscape designer or horticulturist be consulted for specific projects and the possible incorporation of native plant materials.

PLANT LIST FOR GREEN FAÇADES: WALL-MOUNTED, FREESTANDING, OVERHEAD AND COLUMNS

			Usage		Growth Habit			Cycle				Mature Height			Light			Flower			Fruit					
USDA Zones	Botanical Name	Common Name	Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible	Sunset Zones	
3a - 8b	Actinidia arguta 'Issai'	Hardy Kiwi Vine	•	•	•					•				•		•	•		•			•		•	A1-A3, 1-10, 12, 14-24	
3a - 8b	Celastrus scandens 'Bailumn'	Autumn Revolution Bittersweet	•	•	•					•				•		•			•			•			A3, 2-7, 10	
3a - 9b	Clematis alpina 'Pamela Jackman'	Pamela Jackman Alpine Clematis	•	•	•					•			•			•	•		•				•		A2-A3, 1a, 2-6, 15-17	
3a - 9b	Clematis alpina 'Ruby'	Ruby Alpine Clematis	•	•	•					•			•			•	•		•				•		A2-A3, 1a, 2-6, 15-17	
3a - 9b	Clematis alpina 'Stolwijk Gold'	Stolwijk Gold Alpine Clematis	•	•	•					•			•			•	•		•				•		A2-A3, 1a, 2-6, 15-17	
3a - 9b	Clematis x	Varieties	•	•	•					•			•			•	•		•				•		Zones vary by variety	
3a - 8b	Parthenocissus quinquefolia 'Tropi'	Red Wall Virginia Creeper		•				•		•					•	•	•				•		•		A2-A3, 1-24	
3a - 8b	Rubus idaeus var. strigosus 'Fall Gold'	Fall Gold Raspberry		•			•			•			•			•			•			•	•	•	A1-A3, 1-24, 34-43	
4a - 8b	Actinidia kolomikta (female)	Ornamental Kiwi	•	•	•					•				•		•	•			•			•		A1-A3, 1-9, 14-17	
4a - 11b	Campsis radicans 'Atomic Red'	Atomic Red Trumpet Creeper		•					•	•					•	•	•		•				•		1-21	
4a - 11b	Campsis radicans 'Monbal'	Balboa Sunset Trumpet Creeper		•					•	•					•	•	•		•				•		1-21	
4a - 11b	Campsis radicans 'Flava"	Yellow Trumpet Creeper		•					•	•					•	•	•		•				•		1-21	
4a - 11b	Campsis x tagliabuana 'Madame Galen'	Madame Galen Trumpet Vine		•					•	•				•		•			•				•		1-21	
4a - 10b	Clematis 'Cleminov 51'	Sapphire Indigo Clematis	•	•	•					•			•			•			•				•		2-9, 14-17	
4a - 9b	Clematis lanuginosa 'Candida'	White Flowering Clematis	•	•	•					•			•			•	•		•				•		2-9, 14-17	
4a - 9b	Clematis paniculata	Sweet Autumn Clematis	•	•	•					•				•		•	•		•				•		2-9, 14-24, H1	
4a - 9b	Clematis viticella 'Alba Luxurians'	Alba Luxurians Clematis	•	•	•					•			•			•	•		•				•		A3, 2b-9, 14-17	
4a - 9b	Clematis viticella 'Betty Corning'	Betty Corning Clematis	•	•	•					•			•			•	•		•				•		A3, 2b-9, 14-17	
4a - 9b	Clematis viticella 'Blue Angel'	Blue Angel Clematis	•	•	•					•			•			•	•		•				•		A3, 2b-9, 14-17	
4a - 9b	Clematis viticella 'Etoile Violette'	Etoile Violette Clematis	•	•	•					•			•			•	•		•				•		A3, 2b-9, 14-17	
4a - 9b	Clematis viticella 'Madame Julia Correvon'	Madame Julia Correvon Clematis	•	•	•					•			•			•	•		•				•		A3, 2b-9, 14-17	

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USDA Zones	Botanical Name	Common Name	Usage		Growth Habit				Cycle				Mature Height			Light			Flower			Fruit			Sunset Zones
			Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible	
4a - 9b	Clematis x	Varieties	•	•	•					•			•			•	•		•				•		Zones vary by variety
4a - 8b	Humulus x 'Crystal'	Crystal Hop	•	•	•					•				•		•	•		•				•	•	A2-A3, 1-10, 14-21
4a - 8a	Hydrangea anomala petiolaris 'Miranda'	Miranda Climbing Hydrangea		•					•	•					•		•	•	•				•		A2, A3, 2-21
4a - 11b	Lonicera japonica 'Halliana'	Hall's Japanese Honeysuckle	•	•	•					•	•	•		•		•	•		•				•		1-24, H1-H2
4a - 11b	Lonicera japonica 'Purpurea'	Purple-Leaf Japanese Honeysuckle	•	•	•					•	•	•		•		•	•		•				•		1-24, H1-H2
4a - 9b	Lonicera periclymenum 'Inov 86'	Peaches and Cream Honeysuckle	•	•	•					•			•			•	•		•				•		2-24
4a - 9b	Lonicera periclymenum 'Scentsation'	Scentsation Honeysuckle	•	•	•					•			•			•	•		•				•		2-24
4a - 9b	Lonicera periclymenum 'Sweet Tea'	Sweet Tea Honeysuckle	•	•	•					•			•			•	•		•				•		2-24
4a - 8b	Lonicera reticulata x. Lonicera prolifera	Kintzley's Ghost Honeysuckle	•	•	•					•			•			•	•		•				•		2-24
4a - 9b	Lonicera sempervirens 'John Clayton'	John Clayton Honeysuckle	•	•	•					•	•	•		•		•	•		•				•		2-24
4a - 9b	Lonicera sempervirens 'Magnifica'	Trumpet Honeysuckle	•	•	•					•	•	•		•		•	•		•				•		2-24
4a - 9b	Lonicera sempervirens 'Major Wheeler'	Coral Honeysuckle	•	•	•					•	•	•		•		•	•		•				•		2-24
4a - 9b	Lonicera x brownii 'Dropmore Scarlet'	Dropmore Scarlet Trumpet Honeysuckle	•	•	•					•		•		•		•	•		•				•		A3, 1-7
4a - 9b	Lonicera x heckrottii 'Goldflame'	Goldflame Honeysuckle	•	•	•					•		•		•		•	•		•				•		2-24, H1-H2
4a - 9b	Lonicera x. italica 'Sherlite'	Harlequin Honeysuckle	•	•	•					•		•		•		•	•		•				•		2-24, H1-H2
4a - 9b	Lonicera x 'Mandarin'	Mandarin Honeysuckle	•	•	•					•		•		•		•	•		•				•		2-24, H1-H2
4a - 9b	Parthenocissus quinquefolia	Virginia Creeper		•				•		•					•	•	•	•			•		•		A2-A3, 1-24
4a - 9b	Parthenocissus quinquefolia 'Monham'	Star Showers Virginia Creeper		•				•		•					•	•	•	•			•		•		A2-A3, 1-24
4a - 9b	Parthenocissus tricuspidata 'Green Showers'	Green Showers Boston Ivy		•				•		•					•	•	•	•			•		•		A2-A3, 1-24
4a - 9b	Parthenocissus tricuspidata 'Veitchii'	Boston Ivy		•				•		•					•	•	•	•			•		•		A2-A3, 1-24
4a - 11b	Rosa x	Climbing Rose	•	•			•			•				•		•			•				•		Zones vary by variety
4a - 8b	Rubus idaeus 'Canby Red'	Canby Red Raspberry		•			•			•			•	•		•			•			•	•		A1-A3, 1-24, 34-43
4a - 8b	Rubus idaeus 'Heritage'	Heritage Raspberry		•			•			•			•	•		•			•			•	•		A1-A3, 1-24, 34-43
4a - 8b	Rubus idaeus 'Indian Summer'	Indian Summer Raspberry		•			•			•			•	•		•			•			•	•		A1-A3, 1-24, 34-43
4a - 8b	Vitis labrusca 'Catawba'	Catawba Grape	•	•		•				•				•		•				•		•	•		2B, 3A, 3B, 6-9, 14-23, 34-42

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			Usage		Growth Habit			Cycle			Mature Height			Light			Flower			Fruit						
USDA Zones	Botanical Name	Common Name	Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible	Sunset Zones	
4a - 8b	Vitis labrusca 'Delaware'	Delaware Grape	•	•		•				•				•		•				•		•		•	2B, 3A, 3B, 6-9, 14-23, 34-42	
4a - 8b	Vitis labrusca 'Eastern Concord Grape'	Eastern Concord Grape	•	•		•				•				•		•				•		•		•	2B, 3A, 3B, 6-9, 14-23, 34-42	
4a - 8b	Vitis labrusca 'Niagara'	Niagara Green Grape	•	•		•				•				•		•				•		•		•	2B, 3A, 3B, 6-9, 14-23, 34-42	
4a - 9b	Wisteria macrostachya 'Aunt Dee'	Aunt Dee Kentucky Wisteria		•	•					•				•		•			•				•		4-24	
4a - 9b	Wisteria macrostachya 'Blue Moon'	Blue Moon Kentucky Wisteria		•	•					•				•		•			•				•		4-24	
5a - 9b	Akebia quinata	Five Leaf Akebia	•	•	•					•		•		•		•	•	•	•					•		2-24
5a - 9b	Akebia quinata 'Shirobana'	Shirobana Akebia	•	•	•					•		•		•		•	•	•	•					•		2-24
5a - 9b	Campsis x tagliabuana 'Kudian'	Indian Summer Trumpet Vine		•					•	•			•			•			•					•		2-24
5a - 9b	Campsis x tagliabuana 'Takarazuka'	Yellow Summer Jazz Sunrise Gold Trumpet Vine		•					•	•			•			•			•					•		2-24
5a - 9b	Clematis texensis 'Princess Diana'	Princess Diana Clematis	•	•	•					•			•	•		•	•		•					•		2-24
5a - 11b	Hedera helix	English Ivy		•					•		•		•				•	•			•			•		3-24, H!
5a - 11b	Hedera helix 'Thorndale'	Thorndale English Ivy		•					•		•		•				•	•			•			•		3-24, H!
5a - 8b	Humulus lupulus 'Newport'	Newport Common Hop	•	•	•					•				•	•	•			•					•		A2-A3, 1-10, 14-21
5b - 11b	Hydrangea anomala petiolaris	Climbing Hydrangea	•	•					•	•				•			•	•	•					•		1-24, H1-H2
5a - 9b	Lonicera periclymenum 'Monul'	Berries Jubilee Woodbine Honeysuckle	•	•	•					•				•		•			•					•		2-24
5a - 9b	Lonicera periclymenum 'Winchester'	Winchester Honeysuckle	•	•	•					•				•		•			•					•		2-24
5a - 9b	Lonicera sempervirens 'Blanche Sandman'	Blanche Sandman Honeysuckle	•	•	•						•			•		•			•					•		2-24
5a - 9b	Polygonum aubertii	Silver Lace Vine	•	•	•					•				•		•			•					•		A1-A3, 1-24, 28-41
5a - 8b	Rubus idaeus 'NR7'	Raspberry Shortcake Dwf. Thornless Raspberry		•			•			•			•			•			•				•		•	A1-A3, 1-24, 34-43
5a - 8b	Rubus idaeus 'Meeker'	Meeker Red Raspberry		•			•			•			•			•			•				•		•	A1-A3, 1-24, 34-43
5a - 8b	Rubus 'Triple Crown'	Triple Crown Blackberry		•			•			•			•			•	•		•				•		•	A1-A3, 1-24, 34-43
5a - 8b	Rubus subgenus Rubus Watson 'Black Satin'	Black Satin Blackberry		•			•			•			•			•	•		•				•		•	A1-A3, 1-24, 34-43
5a - 9b	Rubus ursinus 'Arapaho'	Arapaho Blackberry		•			•			•			•			•	•		•				•		•	A1-A3, 1-24, 34-43

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USDA Zones	Botanical Name	Common Name	Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible	Sunset Zones	
5a - 8b	Vitis labrusca 'Himrod'	Himrod Grape	•	•		•				•				•		•				•		•		•	A1-A3, 1-24, 34-43	
5a - 8b	Vitis labrusca 'Venus'	Venus Seedless Black Grape	•	•		•				•				•		•				•		•		•	A1-A3, 1-24, 34-43	
5a - 8b	Vitis 'Traminette'	Traminette White Wine Grape	•	•		•				•			•			•				•		•		•	A1-A3, 1-24, 34-43	
5a - 9b	Wisteria floribunda 'Issai Perfect'	White Japanese Wisteria		•	•					•					•	•			•				•		4-24	
5a - 9b	Wisteria floribunda 'Rosea'	Pink Japanese Wisteria		•	•					•					•	•			•				•		4-24	
5a - 9b	Wisteria floribunda 'Texas Purple'	Texas Purple Japanese Wisteria		•	•					•					•	•			•				•		4-24	
5a - 9b	Wisteria frutescens 'Amethyst Falls'	Amethyst Falls American Wisteria		•	•					•					•	•			•				•		4-24	
5a - 9b	Wisteria macrostachya 'Summer Cascade'	Summer Cascade Wisteria		•	•					•					•	•			•				•		4-24	
5a - 9b	Wisteria sinensis	Chinese Wisteria		•	•					•					•	•	•		•				•		3-24	
6a - 9b	Actinidia tetramera var. maloides	Rosy Crabapple Kiwi	•	•	•					•				•		•	•		•				•		4-9, 12-24	
6a - 9b	Bignonia capreolata 'Tangerine Beauty'	Tangerine Beauty Crossvine		•		•					•	•			•	•			•				•		4-9, 14-24	
6a - 9b	Campsis x. tagliabuana 'Summer Jazz Fire'	Summer Jazz Fire Trumpet Vine		•					•	•					•	•			•				•		4-9, 14-24	
6a - 9b	Clematis florida seiboldii	Florida Sieboldii Clematis	•	•	•					•			•			•	•		•				•		3b-9, 14-17, 21-23	
6a - 9b	Clematis montana 'Freda'	Freda Anemone Clematis	•	•	•					•				•		•			•				•		3b-9, 14-17, 21-23	
6a - 9b	Clematis montana rubens	Pink Anemone Clematis	•	•	•					•				•		•			•				•		3b-9, 14-17, 21-23	
6a - 10b	Holbellia latifolia 'Ritak'	Ritak Sausage Vine	•	•	•						•			•			•	•	•			•		•	n/a	
6a - 10b	Ipomoea quamoclit	Cypress Vine	•	•	•					•			•			•			•				•		Annual	
6a - 10b	Passiflora caerulea	Common Passion Flower		•		•					•	•	•			•	•		•				•		5-9, 12-24, H1-H2	
6a - 9b	Rosea banksiae 'Alba Plena'	White Lady Banks Rose	•	•			•					•		•		•			•				•	•	4-24	
6a - 9b	Rosea banksiae 'Lutea'	Yellow Lady Banks Rose	•	•			•					•		•		•			•				•	•	4-24	
6a - 9b	Schizophragma hydrangeoides 'Moonlight'	Moonlight Chinese Hydrangea Vine		•					•	•			•			•	•		•				•		4 - 9, 14-17, 31-34, 39	

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7a - 9b	Actinidia chinensis 'Tomuri' (male)	Kiwi Vine	•	•	•					•				•		•			•				•		4-9, 12-24, 29-31
7a - 9b	Clematis armandii	Evergreen Clematis	•	•	•						•			•			•		•				•		4-9, 12-24
7a - 9b	Clematis armandii 'Apple Blossom'	Apple Blossom Evergreen Clematis	•	•	•						•			•			•		•				•		4-9, 12-24
7a - 9b	Clematis armandii 'Rubra'	Pink Evergreen Clematis	•	•	•						•			•			•		•				•		4-9, 12-24
7a - 9b	Decumaria barbara 'Chauga'	Chauga Wild Hydrangea Vine		•					•	•					•		•		•				•		n/a
7a - 9b	Gelsemium rankinii	Swamp Jessamine	•	•	•						•	•		•		•	•		•				•		4-24
7a - 9b	Gelsemium sempervirens	Carolina Jessamine	•	•	•						•	•		•		•	•		•				•		4-24
7a - 9b	Gelsemium sempervirens. & Gel. rankinii	Double Shot Jessamine	•	•	•						•	•		•		•	•		•				•		4-24
7a - 10b	Holbellia coriacea 'Cathedral Gem'	Cathedral Gem Sausage Vine	•	•	•						•	•		•		•	•		•			•		•	n/a
7a - 10b	Hydrangea integrifolia 'Taiping Shan'	Taiping Shan Evergreen Climbing Hydrangea		•					•		•				•		•	•	•					•	n/a
7a - 10b	Parthenocissus henryana	Silver Vein Creeper		•				•		•				•		•	•			•			•		4-9, 14-17
7a - 11b	Trachelospermum asiaticum	Asian Jasmine	•	•	•						•			•		•	•		•				•		6-24
7a - 11b	Trachelospermum asiaticum 'Angyo'	Angyo Asian Jasmine	•	•	•						•			•		•	•		•				•		6-24
7a - 11b	Trachelospermum asiaticum 'First Snow'	First Snow Asian Jasmine	•	•	•						•			•		•	•		•				•		6-24
7a - 11b	Trachelospermum asiaticum 'Ogon Nishiki'	Ogon Nishiki Asian Jasmine	•	•	•						•			•		•	•		•				•		6-24
7a - 11b	Trachelospermum asiaticum 'Snow and Summer'	Snow and Summer Asian Jasmine	•	•	•						•			•		•	•		•				•		6-24
7a - 10b	Trachelospermum jasminoides 'Madison'	Madison Jasmine	•	•	•						•			•		•	•	•	•				•		8-24, H1-H2
7a - 11b	Vitis vinifera 'Cabernet Sauvignon'	Cabernet Sauvignon Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Chardonnay'	Chardonnay Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Flame Seedless'	Flame Seedless Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Merlot'	Merlot Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Pinot Noir'	Pinot Noir Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Ruby Seedless'	Ruby Seedless Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Thompson Seedless'	Thompson Seedless Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24
7a - 11b	Vitis vinifera 'Zinfandel'	Zinfandel Grape	•	•		•				•				•		•				•		•		•	5-11, 14-24

Plant Selection Guidelines

			Usage		Growth Habit			Cycle				Mature Height			Light			Flower			Fruit				
USDA Zones	Botanical Name	Common Name	Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible	Sunset Zones
8a - 9b	Actinidia chinensis 'Vincent' (female)	Vincent Kiwi Vine	•	•	•					•				•		•			•			•		•	4-9, 12-24
8a - 11b	Antigonon leptopus	Coral Vine	•	•		•				•	•				•	•	•		•				•		12, 13, 18-24, H1-H2
8a - 10b	Jasminum polyanthum	Pink Jasmine	•	•		•					•			•		•			•				•		5-9, 12-24, H1
8a - 11b	Mandevilla x.	Varieties	•	•	•					•	•			•		•			•				•		Zones vary by variety
8a - 10b	Mascagnia macroptera	Butterfly Vine	•	•	•						•		•			•	•		•				•		12-24
8a - 11b	Trachelospermum jasminoides	Star Jasmine	•	•	•						•			•		•	•	•	•				•		8-24, H1-H2
9a - 11b	Bougainvillea 'Delta Dawn'	Delta Dawn Bougainvillea	•	•			•				•			•		•			•				•		22-24, H1-H2
9a - 11b	Clytostoma callistegioides	Lavender Trumpet Vine		•		•					•			•		•	•		•				•		8-9, 12-24
9a - 11b	Distictis buccinatoria	Scarlet Trumpet Vine		•		•					•				•	•	•		•				•		8-9, 14-24, H1
9a - 11b	Ficus pumila	Creeping Fig		•				•			•			•		•	•			•		•			8-24, H1-H2
9a - 11b	Ipomoea acuminata 'Blue Dawn'	Blue Dawn Morning Glory	•	•	•						•			•		•	•		•				•		8-9, 12-24
9a - 10b	Jasminum sambac	Arabian Jasmine	•	•	•						•		•			•	•		•				•		13-21, 23-24, H1-H2
9a - 11b	Macfadyena unguis-cati	Yellow Trumpet Vine		•		•					•				•	•	•		•				•		8-24, H1-H2
9a - 11b	Pandorea jasminoides 'Lady Di'	White Bower Vine	•	•	•						•			•		•	•		•				•		16-24, H1-H2
9a - 11b	Pandorea jasminoides 'Charisma'	Charisma Bower Vine	•	•	•						•			•		•	•		•				•		16-24, H1-H2
9a - 11b	Pandorea jasminoides 'Rosea'	Pink Bower Vine	•	•	•						•			•		•	•		•				•		16-24, H1-H2
9a - 11b	Passiflora jamesonii 'Coral Seas'	Coral Seas Passion Flower		•		•					•			•		•	•		•			•			14-24, H1-H2
9a - 11b	Passiflora x atropurpurea	Purple Passion Flower		•		•					•			•		•	•		•				•		14-24, H1-H2
9a - 11b	Passiflora x 'Lavender Lady'	Lavender Lady Passion Flower		•		•					•			•		•			•			•			16-24, H2
9a - 11b	Solanum jasminoides	Potato Vine	•	•	•						•	•		•		•	•		•				•		8-9, 12-24, H1-H2
9a - 11b	Solanum jasminoides 'Variegata'	Variegated Potato Vine	•	•	•						•	•		•		•	•		•				•		8-9, 12-24, H1-H2
9a - 11b	Tecomaria capensis	Orange Cape Honeysuckle	•	•			•				•			•		•			•				•		12-13, 20-24, H1-H2
9a - 11b	Vigna caracalla	Corkscrew Flower	•	•	•							•		•		•	•		•				•		12-24, H1-H2

Plant Selection Guidelines

USDA Zones	Botanical Name	Common Name	Usage		Growth Habit			Cycle				Mature Height			Light			Flower			Fruit			Sunset Zones
			Wall-Mounted	Freestanding	Twining	Leaf Stem	Scrambler	Adhesive Sucker	Root Climber	Deciduous	Evergreen	Semi-Evergreen	15' and Under	15' - 30'	30' and Over	Full Sun	Partial Shade	Full Shade	Yes	Inconspicuous	No	Yes	No	Edible
10a - 11b	Bougainvillea species	Varieties	•	•			•				•			•	•	•			•				•	12-17, 19, 21-24, H1-H2
10a - 11b	Bougainvillea x	Varieties	•	•			•				•			•	•	•			•				•	12-17, 19, 21-24, H1-H2
10a - 11b	Distictis 'Rivers'	Royal Trumpet Vine		•		•					•			•		•	•		•				•	16, 22-24, H1-H2
10a - 11b	Lonicera hildebrandiana	Giant Burmese Honeysuckle		•		•					•				•	•			•			•		9, 14-17, 19-24, H1-H2
10a - 11b	Mandevilla sanderi 'Red Riding Hood'	Red Riding Hood Mandevilla	•	•	•						•		•			•	•		•				•	21-24, H1-H2
10a - 11b	Mandevilla sanderi 'MonProud'	Strawberry Lemonade Mandevilla	•	•	•						•		•			•	•		•				•	21-24, H1-H2
10a - 11b	Mandevilla species	Varieties	•	•	•						•		•			•			•				•	21-24, H1-H2
10a - 11b	Mandevilla x	Varieties	•	•	•						•		•			•	•		•				•	21-24, H1-H2
10a - 11b	Mandevilla x amabilis 'Monite'	Moonlight Parfait Mandevilla	•	•	•						•		•			•	•		•				•	21-24, H1-H2
10a - 11b	Mandevilla x amabilis 'Rita Marie Green'	Pink Parfait Mandevilla	•	•	•						•		•			•	•		•				•	21-24, H1-H2
10a - 11b	Passiflora vitifolia	Crimson Passion Flower		•		•					•		•			•			•				•	16-17, 23-24, H2
10a - 11b	Pentalinon luteum	Yellow Mandevilla	•	•	•						•		•			•			•				•	21-24, H1-H2
10a - 11b	Quisqualis indica	Rangoon Creeper		•		•					•		•			•	•		•				•	n/a
10a - 11b	Stephanotis floribunda	Madagascar Jasmine	•	•	•						•		•			•	•		•				•	23-24, H2
10a - 11b	Thunbergia alata	Black-Eyed Susan Vine	•	•	•						•		•			•			•				•	23-24, H2
10a - 11b	Thunbergia alata 'Blushing Susie'	Blushing Susie Black-Eyed Susan Vine	•	•	•						•		•			•			•				•	23-24, H2

This greenscreen® plant list is not an exhaustive or complete list but is intended to be a guideline for selecting vines for the various types of green façade installations: wall-mounted, freestanding, overhead and columns. In your project's region, there will be vines that adapt well to your project type, and local landscape professionals or suppliers may have additional suggestions not on this list.

For your greenscreen® green façade project, it is strongly recommended that you include native plants in your selection that are well adapted to the region and will contribute to the environmental benefits of shelter, pollination and habitat restoration. Long-term success of the green façade system will benefit from a mixed planting design and careful planning. Use of invasive plant materials is discouraged.

Plant Selection Guidelines

This handful of favorites represents over 25 years of greenscreen® experience and observation with green façade site visits and documentation

from throughout North America in the range of Zone 3 through Zone 13. These plants have demonstrated great adaptability for façade coverage, survivability and maintenance and can be used separately or in combination with other appropriate species. Consult the plant list for additional attributes.

GREENSCREEN® FAVORITES FOR GREEN FAÇADES: WALL-MOUNTED, FREESTANDING, OVERHEAD AND COLUMNS



American Bittersweet: Zones 3 – 8
Celastrus Scandens | Wall-Mounted, Freestanding



Honeysuckle: Zones 4 – 9
Lonicera Sempervirens | Wall-Mounted, Freestanding



Five Leaf Akebia: Zones 5 – 9
Akebia Quinata | Wall-Mounted, Freestanding



Lady Banks Rose: Zones 6 – 9
Rosa | Wall-Mounted, Freestanding



Orange Cape Honeysuckle: Zones 9 – 11
Tecomaria Capensis | Wall-Mounted, Freestanding



Star Jasmine: Zones 9 – 11
Trachelospermum Jasminoides | Wall-Mounted, Freestanding



Carolina Jessamine: Zones 7 – 9
Gelsemium Sempervirens | Wall-Mounted, Freestanding



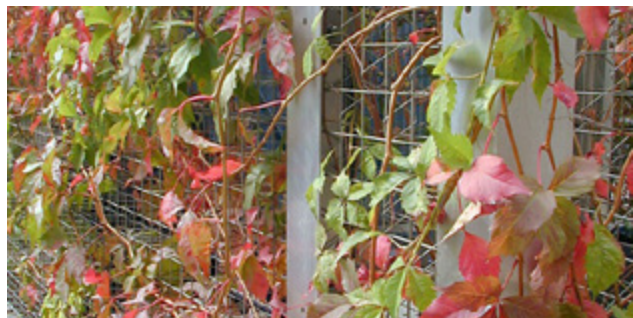
Clematis: Zones 4 – 9
Clematis Varieties | Wall-Mounted, Freestanding



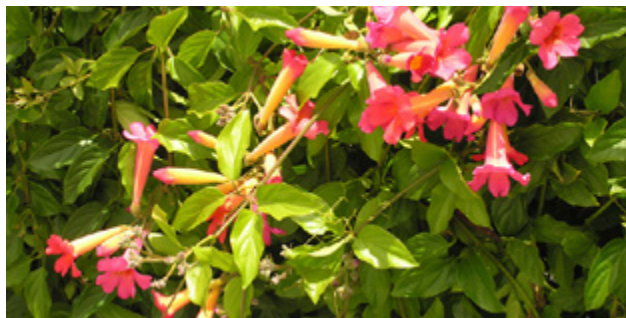
Bougainvillea: Zones 9 – 11
Bougainvillea Varieties | Wall-Mounted, Freestanding

Plant Selection Guidelines

GREENSCREEN® FAVORITES FOR GREEN FAÇADES: WALL-MOUNTED, FREESTANDING, OVERHEAD AND COLUMNS



Virginia Creeper: Zones 4 – 9
Parthenocissus Quinquefolia | Freestanding Recommended



Scarlet Trumpet Vine: Zones 9 – 11
Distictis Buccinatoria | Freestanding Recommended



Climbing Hydrangea: Zones 5 – 11
Hydrangea Petiolaris | Freestanding Recommended



English Ivy: Zones 5 – 11
Hedera Helix | Freestanding Recommended



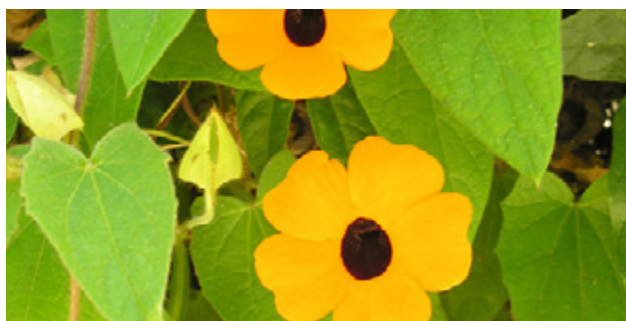
Grape: Zones 5 – 11
Vitis Varieties | Wall-Mounted, Freestanding



Butterfly Vine: Zones 8 – 10
Mascagnia Macroptera | Wall-Mounted, Freestanding



Trumpet Creeper: Zones 4 – 11
Campsis Radicans | Freestanding Recommended



Black-Eyed Susan Vine: Zones 10 – 11
Thunbergia Alata | Wall-Mounted, Freestanding



Common Passion Flower: Zones 6 – 11
Passiflora Caerulea | Freestanding Recommended

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Additional Resources

greenscreen® Guidelines for Green Façade
Plant Installation

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