COMMERCIAL & MUNICIPAL tree palette

	lmage	Botanical Name	Common Name	Size	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Evergreen / Deciduous	Litter	Tolerates Turf	Comments
1		Acacia farnesiana 'Smallii'	Small's Sweet Acacia	S	20	20	M	L	Deciduous	L,S	No	Thorned multiple or single trunk tree. Fragrant golden-yellow flowers late winter through the spring followed by seed pods. Requires annual pruning to develop good structure. Tolerates poor soils and droughty conditions.
2		Acacia salicina	Willow Acacia	М	30	20	F	L	Evergreen	L,F,S	No	Thornless, low maintenance tree with upright growth and weeping branching habit. Long narrow blue-green leaves. Yellow puffball-type flowers winter through spring. Good tree for small spaces, works well in groupings.
3		Acacia stenophylla	Shoestring Acacia	М	40	20	M-F	L	Evergreen	L,F,S	No	Well adapted to poor soils, heat, and drought. Requires annual pruning to develop single or multiple trunks with strong upright structures. Yellow flowers develop late winter through early spring followed by seed pods.
4		Brahea armata	Mexican Blue Palm	М	30	15	S	М	Evergreen	F,S	Yes	Palm has fan shaped silvery-blue fronds and produces edible fruit. Group with other palm species. Tolerant of heat, cold, wind and poor soil conditions.
	SULTER CITY, WELL	Size: Small (S), Medium	(M), Large (L) Growth Ro	ate: Slov	w (S), N	1odera	e (M),	Fast (F)	Litter: Leave	s (L), Flo	wers (F), Seeds (S)



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tree palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Size	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Evergreen / Deciduous	Litter	Tolerates Turf	Comments
5		Butia capitata	Pindo Palm	M	30	15	S	M-H	Evergreen	F,S	Yes	Pinnate or feather shaped blue- gray fronds arch inward towards the trunk. Palm responds well to regular irrigations, fertilization, and good soil drainage. Produces edible fruit that can be made into jelly.
6		Cercidium Hybrids	Palo Verde	M	25	25	F	L-M	Deciduous	F	No	Thorned and thornless varieties available. Intense yellow flower bloom in spring. Recommend proper selection and annual pruning in order to train and develop strong branch structures. Tree tolerates smaller rooting areas.
7		Chamaerops humilis	Mediterranean Fan Palm	S	15	15	S	М	Evergreen	F,S	Yes	Small multiple trunk palm with fan shaped fronds covered with sharp spines along their petioles. Palms are low maintenance, great in groupings with other palm species, or in large pots.
8		Pinus eldarica	Mondell Pine	L	40	30	M-F	L-M	Evergreen	L,S	Yes	Does well in turfgrass and with drip irrigation. Tolerates poor soil, but performs best with increased irrigation and fertilization. Moisture stressed trees are susceptible to several pests, some of which can be fatal.



Litter: Leaves (L), Flowers (F), Seeds (S)

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COMMERCIAL & MUNICIPAL tree palette

	lmage	Botanical Name	Common Name	Size	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Evergreen / Deciduous	Litter	Tolerates Turf	Comments
9		Pistacia x 'Red Push'	Red Push Pistache	L	35	30	M	М	Deciduous	L,F,S	Yes	Medium sized tree with medium to dark green leaves that turn bright orange, crimson, to scarlet in fall. Tolerates heat, cold, and poor soils, with adequate drainage. Great for turf and street tree applications.
10		Ulmus parvifolia	Lacebark Elm	L	40	40	M	М	Deciduous	L,S	Yes	Deciduous tree in southern Nevada. Tolerates wide range of soil conditions. Tree is relatively insect and disease-free, including resistance to Dutch elm disease and elm leaf beetles.
11		Washingtonia robusta	Mexican Fan Palm	L	75	15	M	М	Evergreen	F,S	Yes	Height = Brown Trunk. Has fan- shaped fronds. Very drought tolerant once established. Great for lining streets and boulevards or providing accent to tall buildings. Ideally, install between April 1st and August 1st.



Litter: Leaves (L), Flowers (F), Seeds (S)

COMMERCIAL & MUNICIP shrub and groundcover palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
1		Abelia grandiflora	Glossy Abelia	5	5	F	М	F,P	Medium-sized, rounded, semi-evergreen shrub with gracefully arching branches with small glossy dark green leaves. Produces clusters of pink-tinged white bell shaped flowers spring through fall.
2		Acacia redolens 'Desert Carpet'	Desert Carpet Acacia	2	12	М	L	F,P	Grey-green leaves with small yellow puff-ball type flowers in the Spring. Drought and heat tolerant. Covers large spaces with fewer plants. Good on banks for erosion control. Good in poor soils.
3		Buxus microphylla japonica 'Green Beauty'	Green Beauty Japanese Boxwood	3-5	3-5	S-M	М	F,P	Evergreen shrub with upright, spreading growth habit. Leaves are small, medium to dark green, set closely on stems. Accepts shearing into shapes and forms. 'Green Beauty' retains better color during winter months and has greater resistance to boxwood blight.
4		Caesalpinia pulcherrima	Mexican Red Bird of Paradise	6	6	F	L	F	Fast growing shrub. In areas of no frost, will develop into a small tree. Frost sensitive and will dieback during winter months to only quickly recover with warm spring temperatures. Produces stunning orange-red flowers that attract butterflies. Seed pods are toxic.
5		Callistemon citrinus 'Little John'	Dwarf Bottlebrush Little John	3	5	S	М	F,P	Attractive red, bottlebrush-type flowers attract hummingbirds. The species is a slow growing evergreen with soft blue-green foliage.
6		Cassia nemophila	Desert Cassia	6	6	M-F	L-M	F,P	Medium green needle-like foliage with delicate texture which is visually appealing. Large clusters of showy, rounded yellow flowers in the spring with sporadic flowering during summer and fall. Very cold tolerant. May require rejuvenation pruning every 4-6 years.
	GUIDER CITY, NEW	Growth: Slow (S), Moderate (I	M), Fast (F) Water Use: Lc	ow (L), 1	Moderc	ite (M)	High (H)	Exposure: Full Sun (F), Partial Shade (P), Shade (S)



	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
7		Eleagnus x ebbingei	Ebbing's Silverberry	8	8	М	L-M	F,P	Large dense shrub with 2-3 inch leaves that are an olive green with a downy silver cast contrasted by silver underside. Resistant to most diseases and insects. Does well in poor soils as long as well drained. Does best with late afternoon shade.
8		Euonymus japonica	Evergreen Euonymus	8	6	S-M	М	Р	Large shrub with 2-3 inch long medium to dark green leaves. Inconspicuous white flowers in the spring. Good accent hedge, screen, or pruned into a small tree. Best in amended soils with good drainage. Subject to powdery mildew in high shade and high moisture conditions.
9		Euonymus japonica 'Microphylla'	Box Leaf Euonymus	2-3	2-3	S	М	F,P	Evergreen shrub tolerates full sun, but prefers partial shade. Compact growth with foliage consisting of small dark green glossy oval leaves that lend well to shearing of plants into different shapes including formal hedges. Tolerant of heat, cold, and poor soils.
10		Euonymus japonicus 'Aureo-Variegata'	Gold Spot Euonymus	5	4	М	М	Р	Evergreen shrub with yellowed blotched foliage. Best in partial shade, but will tolerate full sun when provided adequate irrigation and some protection from summer afternoon exposures and reflected heat. Excess shade and moisture may promote powdery mildew.
11		Euphorbia rigida	Gopher Plant	1-2	2-3	М	L-M	F	Drought tolerant evergreen succulent-like herb with radiating grey-blue linear leaves and yellow-green flowers produced late winter through spring. Remove spent flowers to prevent seed drop. Severely prune back early fall to rejuvenate. All plant parts are poisonous.
12	***	llex vomitoria	Yaupon Holly 'Dwarf'	15	8	S	М	F,P	Evergreen shrub or a small tree. Thrives under poor soil conditions, heat, drought, and cold. Shears well into different forms, due to small leaves and high density of foliage. Female plants develop berries. Dwarf varieties available.

Growth: Slow (S), Moderate (M), Fast (F)

Water Use: Low (L), Moderate (M), High (H)



	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
13		Juniperus sabina 'Buffalo'	Buffalo Juniper	1-2	5-8		М	F,P	A very durable, low growing, wide spreading conifer with soft feathery green foliage. Provides excellent coverage and erosion control for slopes.
14		Juniperus sabina tamariscifolia	Tam Juniper	3	10	М	М	F,P	Densely branched low mounding evergreen conifer. Branches covered with dark green-blue colored foliage. Will tolerate full sun, but prefers partial shade, east exposures, or protection from the hot afternoon sun. Excellent groundcover, foundation plant, or sheared.
15		Lantana hybrid 'New Gold'	Lantana Hybrid 'New Gold'	2	6	F	М	F	A low, fast growing groundcover that provides brilliant colors from late spring through fall. Plant will dieback during freezing temperatures and recover as temperatures warm in the spring.
16		Lantana montevidensis	Trailing Lantana	1	6	F	L-M	F,P	A low-growing groundcover with lavender to white flowers. Tolerates most soils, heat, sun and drought. Plant in spring to allow acclimation prior to winter onset. Will dieback during periods of winter frost and recover in the spring. Prune any deadwood after last frost.
17	No.	Lavendula stoechas	Spanish Lavender	2-3	2-3	М	L-M	F	Perennial, evergreen shrub. Attracts butterflies and repels rabbits. Distinguished by its unique pineapple-shaped flowers that bloom heavily throughout spring. Cut back following flowering to maintain shape.
18		Leucophyllum candidum	Thunder Cloud Texas Ranger	3	4	S	L	F	One of the smallest of the Texas Rangers available. This evergreen shrub is compact with silvery-gray foliage and produces masses of purple flowers several times during the growing season. Plant in full sun and in soils with excellent drainage.



Growth: Slow (S), Moderate (M), Fast (F)

Water Use: Low (L), Moderate (M), High (H)



	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
19		Leucophyllum candidum 'Silver Cloud'	Silver Cloud Texas Ranger	5	5	М	М	F,P	Silvery foliage contrasts with its purplish-blue flowers as well as with other green plants in the landscape. Flowering is profuse in the spring and in the fall. Can be easily pruned into different shapes and into hedges. Plant requires soil with good drainage to prevent root rot.
20		Leucophyllum frutescens	Texas Ranger (Texas Sage)	6	6	S	L	F	Also known as Texas Sage; however, not a true sage. Drought-tolerant, semi-evergreen shrub with gray-green foliage. Produces large masses of trumpet-shaped purple to lavender-blue flowers in the spring and fall.
21		Leucophyllum frutescens 'Green Cloud'	Green Cloud Texas Ranger	6	6	М	L	F	A semi-evergreen shrub, moderate to fast growing, cold and drought tolerant, heat loving shrub. Produces rose-pink flowers in the spring and fall. Requires light shearing annually to maintain density. May require rejuvenation pruning every 4-6 years.
22		Leucophyllum frutescens 'White Cloud'	White Cloud Texas Ranger	6	6	S	L	F	A semi-evergreen, moderate to fast growing, cold and drought tolerant, heat loving shrub. Produces an abundance of white flowers in the spring and fall. Requires light shearing annually to maintain density. May require rejuvenation pruning every 4-6 years.
23		Leucophyllum laevigatum	Chihuahuan Sage	6	6	S	L	F	Semi-evergreen, medium to large shrub with small blue-green leaves. Plants are drought tolerant and grow in most soils. Lavender blooms are produced in the spring and fall. A low litter plant that requires light pruning or shearing annually to maintain density.
24		Leucophyllum langmaniae 'Lynn's Legacy'	Lynn's Legacy Texas Ranger	5	5	S-M	L	F	Evergreen that produces masses of lavender- colored flowers in summer and fall. Flower bloom is more consistent than other Texas Rangers. Requires light shearing annually to maintain density. May require rejuvenation pruning every 4-6 years.



Growth: Slow (S), Moderate (M), Fast (F) Water Use: Low (L), Moderate (M), High (H)

COMMERCIAL & MUNICIP shrub and groundcover palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
25		Leucophyllum langmaniae 'Rio Bravo'	Rio Bravo Texas Ranger	5	5	S-M	L	F	Smaller than 'Green Cloud Texas Ranger'. Plants maintain a natural rounded form. Develops large blue flowers summer and fall. Tolerates most soil conditions and is heat and drought tolerant.
26		Leucophyllum pruinsum 'Sierra Bouquet'	Sierra Bouquet Texas Ranger	6	6	S	L	F	Moderately large shrub with an open and sprawling form. Foliage is silvery-gray with plants producing intense displays of blue-violet flowers 2-3 times from spring through fall. Flowers have a grape bubble gum scent.
27		Myrtus communis 'Compacta'	Dwarf Myrtle	4	4	S-M	М	F,P	Dense small medium to dark green leaves. Ideal for low edgings, foundation plantings, and small to medium formal hedges. Tolerant of most soil conditions. Very cold and heat tolerant.
28		Nerium oleander 'Petite'	Dwarf Oleander	6	5	M-F	L-M	F	All parts of plant are poisonous. Dwarf evergreen shrub with dark green glossy leaves. Produces abundant clusters of pink, salmon, red or white five-petaled funnel-shaped flowers year round in warm climates, with flower production peaking in the summer. Good in poor soils.
29		Pyracantha coccinea 'Lowboy'	Lowboy Pyracantha	2-3	6-8	F	М	F,P	A low, spreading evergreen shrub with glossy dark green leaves. Produces creamy white flowers late spring to early summer, followed by bright orange berries fall through winter. Attracts birds and butterflies and is heat and cold tolerant. Has thorns. Other varieties and sizes available.
30		Rhaphiolepis indica 'Pinkie'	Pinkie Indian Hawthorn	2-3	3-4	S-M	М	F,P	Evergreen shrub with dark green glossy leaves, set on a dense compact branching habit. Produces dense clusters of pink flowers in the spring. Will tolerate full sun, but prefers partial shade, east exposures, or protection from hot afternoon sun. Other varieties and sizes available.



Growth: Slow (S), Moderate (M), Fast (F)

Water Use: Low (L), Moderate (M), High (H)



	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
31		Salvia clevelandii	Chaparral Sage	5	6	М	L	F,P	Moderately large shrub with gray-green, aromatic foliage. Produces masses of flower spikes with blue-violet flowers in the spring. The flowers and fragrance of the foliage attracts butterflies and bees. Fairly drought tolerant once established. Soil should provide good vertical drainage.
32		Senna artemisioides	Feathery Cassia	6	6	М	L	F,P	Plant produces lacy, needle-like foliage that is attractive as it moves in the wind. Huge floral display of dense yellow flowers are produced late winter into the spring. Requires light shearing annually to maintain density. May require rejuvenation pruning every 4-6 years.
33		Senna phyllodinea	Silver Leaf Cassia	6	6	М	L-M	F,P	Evergreen shrub with moderate growth rate. Leaves are 1-2 inches long, silver-gray, and curved. Produces yellow buttercup-shaped flowers late winter into the spring that eventually turn into flat compressed seed pods. Requires light annual shearing to maintain density.
34		Tecoma stans angustata	Yellow Bells (Arizona Yellow Bells)	10	6	М	М	F	Evergreen shrub. Damaged by frost below 25 degrees. Produces lush green foliage with clusters of yellow flowers throughout the summer. Prune back frost damage in the spring to regenerate new growth. Other varieties available in range of colors with heights ranging from 3 to 6 feet.
35		Tecomaria capensis	Cape Honeysuckle	8	5	M-F	М	F,P	A South African evergreen woody vine or sprawling shrub. Self- clinging branches can be pruned and shaped to form an accent shrub or hedge. Showy, small, red-orange, trumpet- shaped flowers appear in clusters mid to late summer. Attracts hummingbirds and butterflies.
36		Trachelospermum jasminoides	Star Jasmine	1	8	S-M	M-H	F,P	Best in partial shade, but will tolerate east, southern, or open exposures when provided with adequate irrigation and fertilization. Plant has vine to subshrub growth habit, dark green glossy leaves and very fragrant white star shaped flowers spring and summer.



Growth: Slow (S), Moderate (M), Fast (F)

Water Use: Low (L), Moderate (M), High (H)



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COMMERCIAL & MUNICIP shrub and groundcover palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Exposure	Comments
37		Vauquelinia californica	Arizona Rosewood	15	10	М	L-M	F,P	Good screen or informal hedge. Great substitute for Oleander, non-toxic, less litter and better cold tolerance. Very drought tolerant. Produces dense clusters of white flowers in the spring.
38		Vauquelinia corymbosa	Narrow Leaf Rosewood	15	15	М	L-M	F,P	Large shrub or small tree with evergreen foliage. Leaves are more slender and sharply toothed than the species. Develops clusters of fragrant white flowers in the spring. Good substitute for Oleander.
39		Xylosma congestum	Shinny Xylosma	10	10	М	М	F,P	Large growing evergreen shrub with shiny 2-3 inch long leaves. Can be used as a formal/informal hedge, screen, or trained to a small tree. 4'-5' height dwarf variety available.



COMMERCIAL 8 ornamental palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Drought Tolerant	Spines or Thorns	Exposure	Comments
1		Agave colorata	Mescal Ceniza	3	3	S	L	Н	Y	F	Slow-growing succulent with rough-textured, gray- blue leaves set in a rosette. Leaves have spines along margins and a heavy terminal spine. Plants die following flowering and are generally replaced by side shoots.
2		Agave parryi var. huachucensis	Parry's Agave (Mescal Agave)	2	3	S	L	Н	Y	F,P	Slow-growing succulent with silvery-gray leaves set in a rosette. Leaves contain small spines along the margin with a prominent spine on the tip of each leaf. Yellow flower clusters branch off of 15 foot tall spikes.
3		Cortaderia selloana pumila	Dwarf Pampas Grass	4	4	F	L-M	Н	N	F,P	A compact version of the much larger Pampas Grass; however, with the same impressive mounding foliage and beautiful large ivory to white plumes that develop late summer and into the fall.
4		Dasylirion acrotriche	Green Desert Spoon	5	6	М	L	Н	Υ	F	Evergreen grass-type plant with green leaves that are serrated along their margins. Produces flower stalks that rise above the foliage and contain small white flowers that attract birds and butterflies.
5		Dasylirion wheeleri	Desert Spoon	5	6	М	L	Н	Υ	F	Evergreen grass-type plant with gray-green leaves that are serrated along their margins. Produces flower stalks that rise above the foliage and contain small white flowers that attract birds and butterflies.
6		Echinocactus grusonii	Golden Barrel Cactus	2	3	М	L	Н	Υ	F	The green ribbed surface is covered with clusters of stiff bright yellow spines, which will provide accent to any landscape environment. Flowers are bright yellow appearing late spring and into the summer.

Growth: Slow (S), Moderate (M), Fast (F) Water Use: Low (L), Moderate (M), High (H) Drought Tolerance: Low (L), Moderate (M), High (H) Spines or Thorns: Yes (Y), No (N) Exposure: Full Sun (F), Partial Shade (P), Shade (S)



COMMERCIAL & ornamental palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Drought Tolerant	Spines or Thorns	Exposure	Comments
7		Ferocactus acanthodes	Compass Barrel Cactus	6	2	S	L	Н	Y	F	Native environment includes arid gravelly soils, rocky foothills, and canyon walls. Produces yellow flowers tinged red, May through June.
8		Ferocactus wislizenii	Fishhook Barrel Cactus	6	2	S-M	L	Н	Y	F	Barrel shaped cactus with notched ribs that contain clusters of hard tip curved spines. Flowers are orange-red and short-lived.
9		Fouquieria splendens	Ocotillo	15	8	S	L	Н	Υ	F	Large shrub with cane-like, spiny stems that are tightly grouped in a funnel form. Dense clusters of red flowers develop early to mid-spring. Stems develop small green leaves following periods of rain or high humidity.
10		Hesperaloe parviflora	Red Yucca	4	4	М	L	Н	N	F,P	Evergreen grass-type plant with long narrow leaves that are leathery and tough. Produces salmon to pinkish-red flowers on 6 foot high arching stalks early summer through fall. Cultivars in other colors and sizes available.
11		Muhlenbergia capillaris 'Regal Mist'	Regal Mist Muhly Grass	3	3	F	L-M	Н	N	F,P	Clumping, drought-tolerant grass. Best known for its plumes of pink flowers that extend on stalks 1-2 feet above the foliage. Plumes develop late summer into the fall.
12		Muhlengergia rigens	Deer Grass	4	4	М	М	Н	N	F,P	A warm season perennial bunch grass that is heat and drought tolerant although it is more attractive with summer irrigation. Leaves are dark green with 4-5 foot high flower stalks developing above the foliage.

Growth: Slow (S), Moderate (M), Fast (F) Water Use: Low (L), Moderate (M), High (H) Drought Tolerance: Low (L), Moderate (M), High (H) Spines or Thorns: Yes (Y), No (N) Exposure: Full Sun (F), Partial Shade (P), Shade (S)



COMMERCIAL & ornamental palette COMMERCIAL & MUNICIPAL

	lmage	Botanical Name	Common Name	Height (Feet)	Width (Feet)	Growth Rate	Water Use	Drought Tolerant	Spines or Thorns	Exposure	Comments
13		Nolina bigelovii	Bigelow's Nolina	4-8	4	S-M	L	Н	N	F	Yucca-like, flowering evergreen with 2-3 foot long flexible, sword-like, blue-green leaves. Creamy white flowers develop on 10 foot high stalks May and June. Attracts butterflies and moths. Very heat and drought tolerant.
14		Nolina nelsonii	Blue Nolina	8	6	М	L	Н	N	F	Evergreen, tree-like shrub that produces one or more stems with a dense rosette of slightly serrated, blue leaves. Flower stalks may be up to 4 feet long and contain thousands of small creamy white flowers.
15		Yucca aloifolia	Spanish Bayonet	15	8	S	L-M	М	Υ	F,P	May be single or multi-stem. Long leaves are tightly set around each stem forming a rosette. Leaves are dark green and dagger-like with very sharp points. White flower clusters develop spring and summer.
16		Yucca elata	Soap Tree Yucca	15	8	S	L	Н	Υ	F	Evergreen palm-like shrub or small tree. Leaves are long, narrow, and sharp-tipped with plants developing a fairly stout trunk 6-12 inches in diameter. Showy bell-shaped white flowers develop spring and summer.
17		Yucca rigida	Blue Yucca	12	8	S-M	L-M	Н	N	F	Evergreen with powder blue leaves. 5-6 foot high flower stalks bear hundreds of small creamy white flowers spring to early summer. Very heat, cold, and drought tolerant, however responds well to light irrigation.
18		Yucca rupicola	Twisted Leaf Yucca	2	3	М	L	Н	Υ	F	Evergreen with medium-green leaves set in basal rosette. Clusters of creamy white flowers develop on 5' tall stalks in spring. Remove spent flowers. Prefers well-drained soil.

Growth: Slow (S), Moderate (M), Fast (F) Water Use: Low (L), Moderate (M), High (H) Drought Tolerance: Low (L), Moderate (M), High (H) Spines or Thorns: Yes (Y), No (N) Exposure: Full Sun (F), Partial Shade (P), Shade (S)

