



LEATHERWOOD, DIRCA PALUSTRIS
SIZE: Variable over its native range; 3 to 6 feet in height with a similar spread.
HARDINESS: Zone 4 to 9; **RATE:** Slow; **TEXTURE:** Medium
HABIT: Much-branched, rather dense, oval to rounded shrub in cultivation when sited in full sun; irregular, open and more spreading in the wild although still relatively dense.
LEAF COLOR: Light green, by some authorities yellow-green; one of the first shrubs to leaf out in spring; may turn clear yellow in fall.
FLOWERS: Perfect, pale yellow, 3 to 4 in an inflorescence, from each node; not overwhelming but interesting by virtue of their March to April flowering date;
FRUIT: Oval drupe, pale green or reddish; containing one large, shining, brown seed;
CULTURE: Thrives in moist to wet, shady areas; prefers a deep soil supplied with organic matter;
DISEASES AND INSECTS: None serious;

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BIG LEAF HYDRANGEA, HYDRANGEA MACROPHYLLA
SIZE: 3' to 6' in height but can grow to 10'; similar in spread
HARDINESS: Zone 5 to 9; **RATE:** Fast; **TEXTURE:** Medium-coarse in leaf
HABIT: Rounded shrub of many erect, usually unbranched, thick stems.
LEAF COLOR: Leaves are 4" to 8" long the leaves are quite fleshy (succulent) with a waxy, greasy consistency.
FLOWERS: Very difficult to adequately describe the typical species flower because of the numerous selections;
FRUIT: Capsule, 1/4" to 5/16" long, not showy.
CULTURE: Transplant as a container plant into moist, well-drained soil; full sun or partial shade; flowers from buds formed on previous season's growth and any pruning should be done right after flowering; The flower color on some cultivars is strongly affected by the pH of the soil.
DISEASES AND INSECTS: have observed leaf spot under nursery conditions;

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JAPANESE HOLLY, ILEX CRENATA
SIZE: 4 to 7 feet in height with a similar spread.
HARDINESS: Zone 5 to 7; **RATE:** Slow; **TEXTURE:** Medium-fine in all seasons
HABIT: Usually a dense, multi-branched evergreen shrub of rounded or broad rounded outline; apparently quite variable in the wild.
LEAF COLOR: Lustrous dark green in summer and winter, foliage color dependent on cultivar with some flat green.
FLOWERS: Dioecious, unisexual, dull greenish white, with 4-petals, staminate in 3- to 7-flowered cymes.
FRUIT: Berry-like black drupe, globose;
CULTURE: Prefers light, moist, well-drained, slightly acid soils; sun or shade adaptable; seems to do well in city gardens; prune after new growth.
DISEASES AND INSECTS: Spider mites can be serious, nematodes in South and black knot (*Thielaviopsis basicola*) disease.

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INKBERRY, ILEX GLABRA
SIZE: 4 to 8 feet in height by 8 to 10 feet in spread.
HARDINESS: Zone 4 to 9; **RATE:** Slow; **TEXTURE:** Medium
HABIT: Upright, much-branched, erect-rounded evergreen shrub
LEAF COLOR: Dark green and often lustrous in summer, sometimes becoming light yellow-green in summer.
FLOWERS: Male borne 3 or more together on a slender stalk, female solitary, each with 6(8) creamy petals.
FRUIT: Berry-like, black drupe
CULTURE: Prefers moist soil; withstands heavy pruning quite well and renewal of old plants is suggested; avoid extremely high pH soils, quite shade tolerant, best in full sun with ample root moisture.
DISEASES AND INSECTS: None serious;

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DROOPING LEUCOTHOE, LEUCOTHOE FONTANESIANA
SIZE: 3 to 6 feet in height with similar spread.
HARDINESS: Zone 4 to 8; **RATE:** Slow to medium; **TEXTURE:** Medium
HABIT: Very graceful evergreen shrub with long, spreading, arching branches clothed with long pointed leaves and cream-white flowers; almost fountain-like in habit.
LEAF COLOR: New growth of bright green, bronze to purple color eventually changing to lustrous dark green, at maturity develops a bronze to purplish coloration in winter.
FLOWERS: Perfect, white, fragrant, arguably somewhat ill-scented, slenderly urn-shaped.
FRUIT: Capsule, dehiscent, 5-valved, 1/6" diameter, not showy.
CULTURE: Prefers acid, moist, well-drained, organic soil; will not withstand drought or sweeping, drying winds; prefers partial to full shade but will grow in full sun if not too dry; rejuvenate by pruning to ground after flowering.
DISEASES AND INSECTS: Leaf spots can be troublesome.

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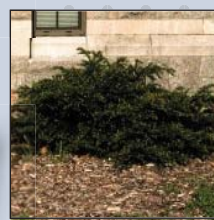
COAST LEUCOTHOE, LEUCOTHOE AXILLARIS
SIZE: 2 to 4 feet in height with a 6 feet spread
HARDINESS: Zone 5 to 9; **RATE:** Medium; **TEXTURE:** Medium
HABIT: An evergreen shrub, widespreadly branched
LEAF COLOR: Dark green leathery evergreen leaves, 2" to 4" long and 2" wide.
FLOWERS: White flower
FRUIT: Not ornamentally important
CULTURE: Prefers moist, cool, acid soils, best in partial shade or full shade; can rejuvenate old plants by pruning to ground in spring; protect from winter wind.
DISEASES AND INSECTS: None serious;

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SWEETBELLS LEUCOTHOE, LEUCOTHOE RACEMOSA
SIZE: 4 to 6 feet in height with a similar spread.
HARDINESS: Zone 5 to 9; **RATE:** Medium; **TEXTURE:** Medium
HABIT: Deciduous to tardily deciduous shrub. It tends to sucker, producing a thick effect.
LEAF COLOR: Light green, by some authorities yellow-green; one of the first shrubs to leaf out in spring; may turn clear yellow in fall.
FLOWERS: White flower, approximately .33" long
FRUIT: Not ornamentally important
CULTURE: Grows in moist to wet areas throughout the native range and exists primarily as an understorey shrub.
DISEASES AND INSECTS: None serious;

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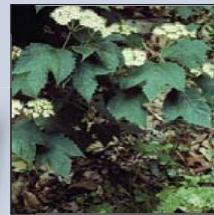
ENGLISH YEW, TAXUS BACCATA
SIZE: 30' to 60' in height by 15 to 25' spread'.
HARDINESS: Zone 5 to 7; **RATE:** Slow; **TEXTURE:** Medium
HABIT: Tree or shrub-like, wide-spreading and densely branched; broad-rounded, or shrubby; indescribably beautiful in the best forms with a dense, dark, somber pyramidal outline and often a massive, fluted, rich reddish brown trunk.
LEAF COLOR: Dark green and lustrous above.
FLOWERS: Not ornamentally important.
FRUIT: solitary seeds, slightly compressed, round and fleshy, red.
CULTURE: Does well on calcareous soils as well as acid soils; prefers a moist, well-drained, sandy loam; see under culture in the introductory remarks.
DISEASES AND INSECTS: Taxus mealybug, black vine weevil, Taxus scale, yew-gall midge.

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CANADIAN YEW, TAXUS CANADENSIS
SIZE: 3 to 6 feet in height by 6 to 8 feet broad.
HARDINESS: Zone 2 to 6; **RATE:** Slow; **TEXTURE:** Medium
HABIT: Often prostrate, loose, straggling; leaders prostrate and rooting in the ground; very straggly shrub compared to other yew types.
LEAF COLOR: Glossy dark green assuming a reddish tint in winter, almost reddish brown not unlike the worst Andorra juniper color.
FLOWERS: Perfect, pale yellow, 3 to 4 in an inflorescence, from each node; not overwhelming but interesting by virtue of their March to April flowering date;
FRUIT: Seeds broader than high; aril light red.
CULTURE: Transplant balled-and-burlapped; moist, sandy loam; will not tolerate heat and drought; requires winter shade.
DISEASES AND INSECTS: None serious;

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MAPLELEAF VIBURNUM, VIBURNUM ACERIFOLIUM
SIZE: 4 to 6 feet in height with a similar spread.
HARDINESS: Zone 4 to 8; **RATE:** Slow; **TEXTURE:** Medium
HABIT: Low, sparsely branched shrub.
LEAF COLOR: The foliage is bright to dark green in summer changing to reddish purple in fall.
FLOWERS: The flowers are yellowish white, all fertile, early June (early May, Athens), borne in 1" to 3" diameter, long-stalked, flat-topped, terminal cymes.
FRUIT: The fruit is a black, ellipsoidal, 1/3" long drupe which ripens in September and often persists into winter.
CULTURE: An extremely shade tolerant species reserved for naturalizing. Is adapted shade and rather dry soils.
DISEASES AND INSECTS: None serious;

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CLIENT NAME AND ADDRESS:

John Westbrook
 XX College Avenue
 Syracuse, New York

QUESTIONNAIRE RESULTS:

Issues: The client currently has difficulty growing plants in a predominately shady area, dominated by evergreen trees.

Desired Plant Criteria: Based on the client's questionnaire, the desired plant criteria for the area includes the following: USDA Hardiness Zone 5, full shade, pH level less than 7, and a shrub (at least 4' tall).

PLANT LIST FOR CLIENT NAME

PRELIMINARY DESIGN RECOMMENDATIONS

Leatherwood (*Dirca palustris*) is well-adapted to moist shady areas. Big leaf Hydrangea (*Hydrangea macrophylla*) is excellent planted in masses. Japanese Holly (*Ilex crenata*), Inkberry (*Ilex glabra*) are excellent planted as foundation plantings, hedges, and used in masses. Fetterbush (*Leucothoe fontanesiana*) is suitable for massing, grouping or shrub borders. It contrasts nicely with dull rhododendron foliage and is good as undergrowth plant. Mapleleaf Viburnum (*Viburnum acerifolium*) is a Greenscape Guide favorite. It is great in shrub borders and makes a nice flower display. Coast leucothoe (*Leucothoe axillaris*) is great for naturalizing. English Yews (*Taxus baccata*) are good for undergrowth, hedges, screens and foundation plantings, Canadian Yews (*Taxus canadensis*) is suitable as a ground cover but only for underplanting in cool, shaded situations.

Interested in further design recommendations for your landscape? The Greenscape Guide also provides landscape design services. For further information please contact us at info@greenscapedesign.com.



**HARDINESS
 ZONE 5**