


Hypericum calycinum (HYPERICACEAE)

creeping St. John's wort


Bulgaria, Turkey

	Leaves	Flowers	Fruit	Other
	Opposite, Simple Ovate to oblong-ovate 2-4" long, 1/2-1 3/4" wide Dark green above Whitish underneath and conspicuously net-veined Sessile	Solitary or 2-3 on new wood Large bright yellow Perfect 5 sepals, petals Many stamens	Dry capsules - but colored and somewhat berry-like	Low shrub or ground cover Semi-evergreen 12-18" high Spreads rhizomatously - can be aggressive Best if cut yearly with a brush trimmer <i>H. inodoratum</i> 'Elsted' has peach colored fruits Calycinum means calyx-like

Liquidambar styraciflua (ALTINGIACEAE)

sweet gum


E. U.S.A., Mexico




	Leaves	Flowers	Fruit	Other
	Alternate, Simple 5-7 palmately lobed 4-7 1/2" long & as wide Finely serrate lobes Petiole 2-4" long (Look like maple, but alternate) Lobes acuminate	Monoecious Female fls in globose heads, ~ 1/2" diameter 2 styles Male flws in terminal upright clusters, no perianth (4-8 stamens)	Fruits an aggregate of 2-pronged, woody capsule Round, spiny 1-1 1/2" diameter Persists into winter	Deciduous tree to 150 ft Branchlets ~ corky ridges or wings Bark dark gray brown, deeply furrowed Fall color yellow, purple, red Cv 'Palo Alto' has good red color Tolerate wet soils "Liquidambar" refers to a resin that is distilled from two species and "styraciflua" means flowing with the gum

Quercus palustris (FAGACEAE)

pin oak

E. U.S.A.


	Leaves	Flowers	Fruit	Other
	Alternate, simple Elliptic to elliptic-oblong 3-6" long, and as wide Very deep sinuses Lobing irregular 5-7 lobes Terminal lobe long and acuminate Petiole up to 2" long Lustrous dark green above, lighter green below	Monoecious Staminate flws in slender, pendulous catkins	Acorn w/cup Solitary or clustered Sessile or short-stalked Thin saucer-like cup covers only ~ 1/4 of nut	Deciduous tree to 75 ft Thin branches that poke out of trunk like pins New stems ~ greenish Pyramidal habit Bark grayish brown Fall color bronze or red, leaves stay on the tree until spring "palustris" means marsh-loving, but it does well in uplands too

<i>Magnolia sieboldii</i> (MAGNOLIACEAE)		Oyama magnolia	Asia	
	Leaves Alternate, simple Oblong or obovate-oblong 3-6" long, 3-4" wide Obtusely pointed Medium dark green above Whitish & hairy below 7-9 vein pairs	Flowers Fls cuplike, held horizontal or slightly nodding on 1-2 1/2" long pedicles White tepals 9-12 Stamens pink to dark crimson 3-4" diameter when open	Fruit Follicles Seed inside red aril	Other Large spreading shrub or small tree, 10-15 ft tall May flower sporadically throughout the year Smaller than <i>M. wilsonii</i> , flowers are smaller, and they are not strongly pendant
<i>Osmanthus heterophyllus</i> (OLEACEAE)		Japan, Taiwan		
	Leaves Opposite Leathery Several different leaf shapes Elliptic-ovate to oblong 1-2" long, ~1" wide Acuminate tip Lustrous green above Pale green or yellowish under Coarsely spiny toothed on some leaves Older leaves entire	Flowers 4-merous White 4-5 cm across Corolla short-tubular Stamens 2 Fragrant	Fruit Purple-black drupe Ovoid	Other Large evergreen shrub Many branches Branchlets pale grayish brown "Osmanthus" means fragrant flower, "heterophyllus" means different leaves
<i>Calycanthus floridus</i> (CALYCANTHACEAE)		sweet shrub/Carolina all-spice	SE USA	
	Leaves Opposite, simple Oblong to narrow elliptic Entire margin 4" long by 2" wide Rich deep green with lighter green underneath. Lightly pubescent Acuminate tip	Flowers Solitary 1-2" rusty red flowers held close to stems Linear petals (tepals), many Very aromatic, something like rotten fruit Perfect Many stamens spirally arranged Many styles	Fruit Bell shaped capsule Dark brown Persistent Leathery & wrinkled 2-3" long, 1-1 1/2 in across Encloses many achenes	Other Deciduous shrub, 6-12 ft tall, 6-12 ft spread Suckers freely Many parts of the plants aromatic

Kolkwitzia amabilis (CAPRIFOLIACEAE)


beauty bush

China

	Leaves	Flowers	Fruit	Other
	<p>Opposite, Simple Broadly ovate Shallowly toothed Ciliate</p>	<p>Infl – terminal pairs on short branches 5 sepals, hairy, persistent on ovary/fruit Petals 5, forming a 2-lipped campanulate corolla Pink w/yellow or orange in throat Stamens 4, in 2 pairs Style 1</p>	<p>2-seeded capsules with hairy bracts Ovoid, about ¼” long</p>	<p>Deciduous shrub to 12 ft Many flowers in late spring Only species in the genus "Kolkwitzia" is the name of a person, amabilis means lovely</p>


Styrax japonica (STYRACACEAE)

China, Korea, Japan

	Leaves	Flowers	Fruit	Other
	<p>Alternate, Simple Ovate to narrowly oblong 3” long, 1-1½” wide Acuminate tip Serrate margin on upper part of leaf</p>	<p>Infl – pendulous racemes w/1-6 white flowers ~1” across Long pedicles 5 sepals, petals Style 1, long Stamens (10-16) Not fragrant like <i>S. obassia</i></p>	<p>Fleshy drupe w/one large seed. Ovoid or ellipsoidal ~ ½” across</p>	<p>Small deciduous tree to 30 ft Many spreading branches Thin gray bark</p>

Rubus pentalobus (a.k.a. *R. calycinoides*) (ROSACEAE) creeping raspberry


Taiwan

	Leaves	Flowers	Fruit	Other
	<p>Alternate, Simple More or less orbiculate, but 3- 5 lobed Surface is textured or wrinkled serrate margins</p>	<p>White, ~ 1” across 5-merous Stamens many Sepals hairy</p>	<p>Fruit multiple drupelets, Red</p>	<p>Creeping evergreen shrub Red hairs on new stems Can be a rampant grower but not invasive 'Emerald Carpet' has smaller leaves</p>

Carpinus betulus (BETULACEAE)


European hornbeam

Europe, Turkey, Ukraine

	Leaves	Flowers	Fruit	Other
	<p>Alternate, Simple Ovate-oblong 2-5” long Broadly acuminate tip Base rounded or subcordate Parallel, prominent veins, 10-13 pairs Serrate margin</p>	<p>Monoecious Males - Catkins, pendulous, 3 flowers per scale, Stamens 3</p> <p>Females up to 5” long w/ bracts 2” long – green Middle lobe is larger</p>	<p>Hard nut enclosed in a green leafy bract</p>	<p>Tree to 70 ft Many leading branches, upright</p>

Escallonia (ESCALLONIACEAE)


S. America

	Leaves	Flowers	Fruit	Other
	<p>Alternate, ~ whorled, with different sized leaves clustered together Small, round Finely serrate ~ shiny above Dark green</p>	<p>Infl – Small or large clusters Large receptacles Sepals- 5, fused Petals 5-7, tubular but open or trumpet-shaped ~ red, white, pink Stamens alternate with petals 1 style, with rounded stigma</p>	<p>Capsules with many seeds</p>	<p>Evergreen shrub or tree to 25 ft but usually much smaller (~ deciduous) ~ fragrant</p>

Kalmia latifolia (ERICACEAE)

mountain laurel

E. U.S.A.

	Leaves	Flowers	Fruit	Other
	<p>Alternate or irregularly whorled, Simple Entire Elliptic to lanceolate 2-5” long, ¾-1 ½” wide Dark green above Yellowish green under Leathery</p>	<p>Infl – corymbs, ¾-1” diam. Fs ~ white to rose colored with purple markings inside Corolla saucer shaped or campanulate Stamens 10, tucked in pouches Sepals, Petals 5 Style 1, long and curved</p>	<p>5-valved capsule</p>	<p>Shrub or small tree, 7-15 ft Evergreen Bark gray brown, lightly ridged Anther released from pouch when touched "latifolia" means broad-leaved - it is broader than others in the genus</p>