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The Schmidt logo identifies each tree as one of our introductions or co-introductions. New and improved trees are backed by extensive research, development and testing. We work with tree scientists, breeders and growers to bring you the best new trees in the world.



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# Oaks & Elms



**Beacon® Oak**  
*Quercus bicolor* 'Bonnie and Mike'

Height: 40' | Spread: 15' | Hardiness: -30 °F



**Shape:** Narrowly columnar  
**Foliage:** Green  
**Fall Color:** Yellow

Tightly columnar and urban adaptable, this oak was discovered by famed plantsman/author Dr. Michael Dirr and his wife, Bonnie. Stout upright branching structure and clean, dense green foliage make this an ideal street tree that adds a strong visual statement to any landscape. Bright yellow fall color deepens to tawny brown.




**Crimson Spire™ Oak**  
*Quercus × bimundorum* 'CrimSchmidt'

Height: 45' | Spread: 15' | Hardiness: -30 °F




**Shape:** Columnar, tightly fastigate  
**Foliage:** Dark green to bluish-green  
**Fall Color:** Rusty red

A superior tree for narrow spaces, this columnar hybrid of English and White Oaks is drought tolerant and adaptable. Dark green, mildew resistant foliage and reddish fall color are inherited from White Oak, while the small leaves and columnar form are English Oak traits.


**Streetspire® Oak**  
*Quercus × bimundorum* 'JFS-KW10X'

Height: 45' | Spread: 14' | Hardiness: -30 °F



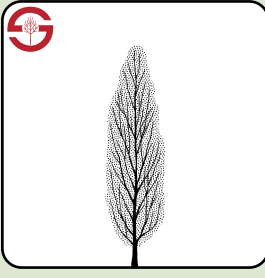
**Shape:** Narrow, columnar  
**Foliage:** Dark green  
**Fall Color:** Rusty red

Dark green leaves of this narrowly columnar tree are mildew resistant. Turning red in autumn, they fall to reveal stiffly upright branches. Similar to Crimson Spire™, but does not hold brown foliage through the winter. Wide crotch angles and short upsweeping branches create a storm resistant structure.



**Skinny Genes® Oak**  
*Quercus × bimundorum* 'JFS-KW20X' PP24442

Height: 45' | Spread: 10' | Hardiness: -30 °F



**Shape:** Columnar, tightly fastigate  
**Foliage:** Dark green, glossy  
**Fall Color:** Yellow to tawny yellow

The narrowest yet of the English x White Oak hybrids, this slender cultivar sports glossy, dark green leaves that present a clean, fresh summer appearance. Fine textured foliage is mildew resistant and turns yellow in autumn. Selected from second-generation seedlings of a sister of the widely planted Crimson Spire™ Oak.



**White Oak**  
*Quercus alba*

Height: 45' | Spread: 45' | Hardiness: -30 °F



**Shape:** Rounded  
**Foliage:** Medium green, fine textured  
**Fall Color:** Red to reddish purple

Among the mightiest of the noble oaks, White Oak is claimed by several states as their official tree. Reputed to be slow-growing, well-grown nursery plants grow fairly quickly once established. Unlike English Oak, this native of Eastern North America is resistant to powdery mildew.




**Urban Pinnacle® Oak**  
*Quercus macrocarpa* 'JFS-KW3' PP 22815

Height: 55' | Spread: 25' | Hardiness: -40 °F



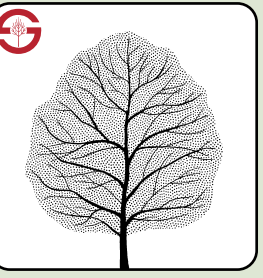
**Shape:** Narrow, pyramidal  
**Foliage:** Dark green, glossy  
**Fall Color:** Yellow  
**Fruit:** Unusually small acorn

Narrow and upright with a strong central leader, this cultivar also features attractive glossy foliage and resistance to both mildew and anthracnose. Acorns of about 2" diameter are extremely small for a bur oak, making it a more suitable tree for landscape and street use.



**American Dream® Oak**  
*Quercus bicolor* 'JFS-KW12' PP 23632

Height: 50' | Spread: 40' | Hardiness: -30 °F



**Shape:** Broadly pyramidal  
**Foliage:** Bright green, glossy  
**Fall Color:** Yellow

Vigorous growing and broadly pyramidal with excellent density, this tree shines with bright green, glossy foliage. Selected for strong resistance to anthracnose and powdery mildew, the broad, handsome leaves turn yellow and then tawny brown as they hold into early winter.



**Forest Green® Oak**  
*Quercus frainetto* 'Schmidt'

Height: 50' | Spread: 30' | Hardiness: -15 °F



**Shape:** Upright, oval  
**Foliage:** Deep green, very glossy, rounded lobes  
**Fall Color:** Yellow to brown

This is an upright growing, vigorous oak with a strong central leader. Drought resistant and adaptable, its glossy deep green foliage and strong symmetrical shape make it one of the best looking trees of summer. Deeply lobed leaves fall cleanly in autumn.



**Cobblestone® Oak**  
*Quercus macrocarpa* 'JFS-KW14'

Height: 55' | Spread: 45' | Hardiness: -40 °F



**Shape:** Broadly oval  
**Foliage:** Dark green  
**Fall Color:** Yellow

A traditional form of bur oak with the corkiest bark we have observed in the nursery. With bur oak's rugged form and unusually corky branches, it has an "ancient tree" look at a young age. The handsome foliage is dark green and the tree was selected for mildew and anthracnose resistance.




**Scarlet Oak**  
*Quercus cocinea*

Height: 50' | Spread: 40' | Hardiness: -30 °F



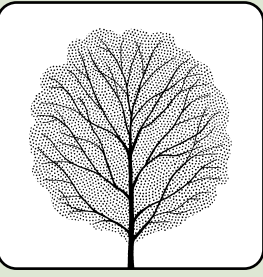
**Shape:** Upright spreading, open, broadly oval  
**Foliage:** Dark green, glossy  
**Fall Color:** Scarlet

Dark green, glossy leaves of summer are distinctive for their sharply pointed lobes. Scarlet Oak generally displays the finest fall color of all the oaks, delivering brilliant, deep tones of red to scarlet purple in late autumn.



**Triumph™ Elm**  
*Ulmus* 'Morton Glossy'

Height: 55' | Spread: 45' | Hardiness: -30 °F



**Shape:** Upright oval to vase  
**Foliage:** Glossy dark green  
**Fall Color:** Yellow  
**Disease Tolerance:** Dutch Elm Disease and phloem necrosis

Remarkably dark green and glossy foliage and a sturdy, symmetrical growth habit distinguish this Morton Arboretum introduction. It was selected for its refined oval habit and ease in pruning to develop a shapely canopy at a young age.




**Pin Oak**  
*Quercus palustris*

Height: 55' | Spread: 40' | Hardiness: -30 °F



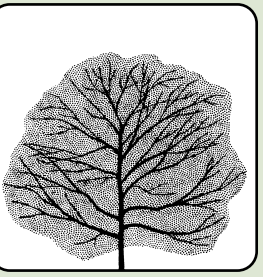
**Shape:** Pyramidal with slender horizontal branches  
**Foliage:** Green  
**Fall Color:** Rusty orange to red

Pin Oak is a tree with a very distinctive growth habit. The strong central leader is maintained to the top. Branches are long, slender and horizontally layered, giving this large tree an elegant appearance. Glossy green, sharply lobed leaves turn rusty orange to red in autumn.



**Swamp White Oak**  
*Quercus bicolor*

Height: 45' | Spread: 45' | Hardiness: -30 °F



**Shape:** Rounded, open  
**Foliage:** Green with wavy margins  
**Fall Color:** Yellow brown to reddish

A beautiful native tree with lustrous, heavy textured green leaves with wavy margins. Adaptability to wet, poorly drained soils and tolerance of drought make it a fine choice for urban settings.



**Chinkapin Oak**  
*Quercus muehlenbergii*

Height: 45' | Spread: 45' | Hardiness: -20 °F



**Shape:** Rounded, open  
**Foliage:** Lustrous dark green  
**Fall Color:** Yellow to yellow brown

This durable and adaptable native oak has a reputation for performing well in dry, alkaline soils. A native of the Northeast and Midwest, it is a natural choice for harsh, windswept locations. Its narrow, glossy green leaves turn yellow in autumn.




**Red Oak**  
*Quercus rubra*

Height: 50' | Spread: 45' | Hardiness: -30 °F



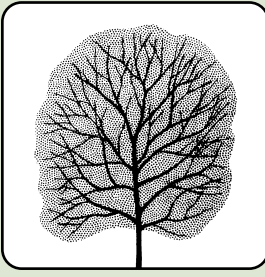
**Shape:** Rounded  
**Foliage:** Dark green  
**Fall Color:** Red

This large, fast growing, broad headed tree performs well in urban settings where adverse growing conditions may include air pollution, compacted soils, poor drainage and drought. Large leaves turn from rich green to deep red in autumn.




**Shumard Oak**  
*Quercus shumardii*

Height: 50' | Spread: 40' | Hardiness: -20 °F



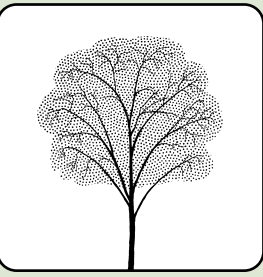
**Shape:** Upright spreading, open, broadly oval  
**Foliage:** Dark green  
**Fall Color:** Red

Shumard oak is a regal native tree that thrives in moist, acid bottomland soils where poor drainage creates problems for other trees. Widely adaptable to varied growing conditions, it is an excellent substitute for Scarlet Oak in the central and southeastern U.S.




**Accolade™ Elm**  
*Ulmus japonica × wilsoniana* 'Morton'

Height: 70' | Spread: 60' | Hardiness: -30 °F



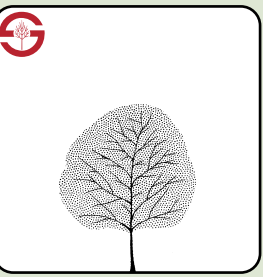
**Shape:** Vase shaped with arching limbs  
**Foliage:** Glossy, dark green  
**Fall Color:** Yellow  
**Insect Resistance:** Elm leaf beetle  
**Disease Tolerance:** Dutch elm disease and phloem necrosis

Arching limbs and a graceful vase shape characterize this outstanding hybrid elm developed at Morton Arboretum. Glossy dark green foliage changes to yellow in the fall. Its ultimate form at maturity is like that of the classic American elm.




**Summer Elixir® Elm**  
*Ulmus chenmouli* 'JAB Morton'

Height: 35' | Spread: 30' | Hardiness: -20 °F



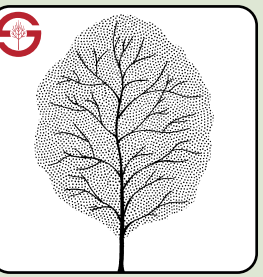
**Shape:** Rounded  
**Foliage:** Dark green  
**Fall Color:** Yellow, tinged red and purple  
**Insect Resistance:** elm leaf beetle  
**Disease Tolerance:** Dutch elm disease

Vase-shaped in youth, this relatively small and compact elm develops a rounded shape with age. New growth may be flushed with pink or red before maturing to green. Selected by nurseryman/arborist Jim Barbarinas as the best of *Ulmus chenmouli* seedlings shared by Dr. George Ware of Morton Arboretum.



**Greenstone® Elm**  
*Ulmus davidiana* 'JFS KW2UD'

Height: 60' | Spread: 40' | Hardiness: -30 °F



**Shape:** Upright vase  
**Foliage:** Medium green  
**Fall Color:** Yellow  
**Disease Tolerance:** Dutch elm disease and phloem necrosis

Through years of testing, this vigorous grower has proven to be the top performer among trees grown from seed collected at the Northern edge of its native range in China. Its strong branches with open angles develop into an upright vase shape resembling that of the classic American elm.




**Colonial Spirit® Elm**  
*Ulmus americana* 'JFS-Prince II'

Height: 65' | Spread: 50' | Hardiness: -30 °F



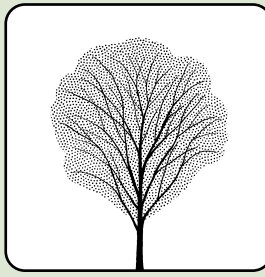
**Shape:** Vase shaped with arching limbs  
**Foliage:** Dark green  
**Fall Color:** Yellow  
**Disease Tolerance:** Dutch elm disease

Strong branch structure is manageable in both the nursery and the landscape, resulting in a symmetrically vase shaped tree of classic American elm form. This survivor of Dutch elm disease has proven tolerant by surviving controlled testing.



**Princeton Elm**  
*Ulmus americana* 'Princeton'

Height: 65' | Spread: 50' | Hardiness: -30 °F



**Shape:** Upright vase  
**Foliage:** Dark green  
**Fall Color:** Yellow  
**Disease Tolerance:** Dutch elm disease

Introduced in 1922 by Princeton Nurseries of New Jersey, it has proven for more than a century to be tolerant of Dutch elm disease. Dark green foliage and upright, symmetrical form recommend it for street tree plantings.



**Frontier Elm**  
*Ulmus* 'Frontier'

Height: 40' | Spread: 30' | Hardiness: -20 °F



**Shape:** Vase shaped to oval  
**Foliage:** Glossy green  
**Fall Color:** Burgundy  
**Disease Tolerance:** Dutch elm disease and phloem necrosis

Petite leaves of this National Arboretum introduction cast filtered shade and facilitate easy cleanup in the fall. This adaptable hybrid elm has unusually colorful foliage. Deep green and glossy in summer, the leaves blaze bright in autumn with long-lasting reddish purple to burgundy fall color.