

REPLACEMENT TREE SPECIES LIST

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Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	suojatures
Abies concolor	_	White Fir	Y	3a	50	25	15	L	•	-	-	8	•	•	6 🌲 🕸
Specimen tree. Most tole sensitive Colorado blue s	erant fir and good replace spruce.	ment for disease													
Abies fraseri	_	Fraser Fir	\mathbf{A}	4a	40	25	15	L	8	0	0	٣	•	٣	6 🌲 🕸
Specimen or accent tree	. Avoid hot and dry condit	ions, and high pH.													
Acer campestre	_	Hedge Maple	Y	5	30	30	15	s	(<u> </u>	8	<u>.</u>	8	∲ ≉ †
Prune early for structure	mely adaptable and tolera e and may need to be limb ost of Asian Longhorned I	ped up for clearance.	-												
Acer x freemanii	'Armstrong'	Freeman Maple	P	4a	60	20	20	М	0	•	-	8	•	0	1,6 🌵
Fastigiate. Cross betwee structural pruning neede	en a red and silver maple. ed. Primary host of Asian	Fast grower, early Longhorned Beetle.													
A. x freemanii	Autumn Blaze® 'Jeffersred'	Freeman Maple	Y	4a	50	40	20	М	0	•	-	8	•	0	1,6 🌵
pruning needed, conceri	l silver maple. Fast growe n over branch breakage a fall color. Primary host of	er, early structural s it ages. Asian Longhorned Beetle.	·												
A. x freemanii	'Sienna'	Freeman Maple	¥	4a	40	40	20	М	0	٣	-	0	<u>.</u>	0	1,6 🍁
	l silver maple. Strong cen needed. Deep orange to r d Beetle.														
A. x freemanii	'Red Pointe'	Freeman Maple	¥	4a	45	30	20	L	0	۳		0	•	0	1,6 🌞
	%) and silver (25%) mapl nt fall red color and heat d Beetle.														
Acer griseum	'Ginzam' Gingerbread™	Paperbark Maple	Ţ	5	25	25	13	S	0	-	0	8	0	٣	4,6 🍁 🕸 🕇
		es. Trifoliate leaves and th than species. Primary													
Acer miyabei	'Morton' State Street™	Miyabe Maple	Ŷ	4	40	40	20	S	8	0	•	8	8	<u> </u>	4 🍁
Specimen tree. More col Primary host of Asian Lo	ld hardy alternative to A. (onghorned Beetle.	Campestre. Corky bark.	·												
Acer rubrum	_	Red Maple	Ŷ	3	75	40	20	М	8	۳	-		<u>.</u>	•	1,6 🔶 🖌 🚄
Somewhat weakened wo	transplant Chlorosis can ooded, prune for structure intensity varies. Primary		_												
A. rubrum	'Autumn Flame'	Red Maple	Y	3b	50	30	20	М	0	(-	÷	•	<u>.</u>	1,6 🌵 🛃
	fall color that last longer t rimary host of Asian Long														
A. rubrum	'Bowhall'	Red Maple		4	50	15	20	М	0	٣	-	-	•	0	1,6 🔶 🗛
Upright form with broad host of Asian Longhorne	columnar head. Yellow to d Beetle.	o red fall color. Primary													

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Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
A. rubrum	Northwood®	Red Maple	V	3b	50	35	20	М	0	•	-	-	٣	8	1,6	*! -!
Selected for tolerance to ha Branches ascent upward. F	arsh winter conditions. Ora Primary host of Asian Long.	nge to red fall color. horned Beetle.	·													
A. rubrum	October Glory®	Red Maple	¥	5a	50	35	20	М	8	<u>.</u>			<u></u>	8	1,6	₩ ₩
Dependable orange to red green summer leaves. Lin Asian Longhorned Beetle.	nitations due to cold hard	ter than others. Dark iness. Primary host of														
A. rubrum	'Red Sunset'	Red Maple	Ţ	4b	50	40	20	М	8	•				8	1,6	₩ ₩
Dependable orange to red more cold tolerant. Prima	l fall color. Colors earlier ry host of Asian Longhorr	than October Glory and ned Beetle.														
<i>Acer</i> sacchariunum	_	Silver Maple	Y	3	70	50	35	L	۳	•		0	۳	•	1,5	+7
Fast grower, with fairly we sidewalk damage and can Transplants well.			·													
Acer saccharum	-	Sugar Maple	Ŷ	3	75	50	25	М	0	8	0	-	<u> </u>	<u> </u>		₩1 - <u>1</u>
Does not perform well in t Longhorned Beetle.	ight, compacted situation	s. Primary host of Asian	·													
A. saccharum	'Bonfire'	Sugar Maple	Ŷ	3	65	50	25	М	8	8	0		<u>.</u>	<u></u>		₩7 - <u>4</u>
Does not perform well in t color. Primary host of Asia	ight, compacted situation an Longhorned Beetle.	s. Orange to red fall														
A. saccharum	Fall Fiesta®	Sugar Maple	Ŷ	3	75	50	25	М	8	8	8		<u> </u>	<u> </u>		₩7 - 2
Does not perform well in t orange and red fall color.	ight, compacted situation Primary host of Asian Lor	s. Fast grower. Yellow, nghorned Beetle.														
A. saccharum	Green Mountain®	Sugar Maple	¥	3	70	45	25	М	0	0	0		<u>.</u>			₩ ¶- <u>4</u>
Dark green summer foliag tight conditions. Primary	ge. Variable. Performs bei host of Asian Longhorned	tter than species in dry, I Beetle.	·													
A. saccharum	'Legacy'	Sugar Maple	Ŷ	3	50	35	25	М	0	0	8	-	<u> </u>	.		₩7 - 2
Red to orange fall color, d than species in dry, tight c Beetle.	ark, lustrous summer lea conditions. Primary host o	ives. Performs better f Asian Longhorned														
Acer triflorum	_	Three-flower Maple	Y	5	30	30	15	М	8	8	8		.	<u> </u>	4	* *
Specimen tree. Primary h	ost of Asian Longhorned I	Beetle.														
Acer truncatum	_	Purpleblow Maple	Y	4	25	30	15	s	8	0	8	0	8	8	4	∳ [†]
Adaptable and hardy. Futu Longhorned Beetle.	ire selection, 'Main Street	t.' Primary host of Asian	·													
Aesculus x carnea	'Briotii'	Ruby Red Horsechestnut(RED)	Y	5a	40	40	20	М	0	0	0	0	٣	8	2,6	¢
Specimen tree. Sometime Longhorned Beetle.	s listed as zone 4. Primar	y host of Asian														

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Aesculus glabra	_	Ohio Buckeye	Ŷ	3	60	40	20	L	0	٢	-	۳		0	2,3 4,6	\$ \$
Reserve for large areas. Primary host of Asian Lo	Can be messy with little or onghorned Beetle.	rnamental value.	·													
Aesculus hippocastanum	'Baumanii'	Horsechestnut (WHITE)	¥	4a	75	70	35	L	0	0	0	0	٢	-	1,3,6	☆ 奉
	d fruitless. Prune in spring eaf blotch and powdery mil onghorned Beetle.															
Amelanchier arborea	ʻJFS-Arb' Spring Flurry®	Downy Serviceberry (WHITE)	¥	4	35	20	10	s	8	٢	8	0	٣	٣		☆ǿ≑┦-₹
Not reliable under high s	stress conditions. Good tree	e form. Orange fall color.														
Amelanchier laevis	'Snowcloud', 'Majestic'	Allegheny Serviceberry (WHITE)	Y	4	25	15	10	S	0	•	0	0	•	٣		፨ǿ┿╿Ϋᠽ
Not reliable under high s color. Vigorous grower.	stress conditions. Fastigiat	e form. Scarlet fall														
Amelanchier canadensis	'Trazam' Traditional®	Shadblow Serviceberry (WHITE)	¥	3	30	20	10	s	0	٢	8	0	٣	٢	5	⋩ǿ∳፨⋷⋎⋌
Not reliable under high s branch habit. Orange fal	stress conditions. Strong co l color. Heavy fruiting.	entral leader and good														
A. canadensis	'Sprizam' Spring Glory®	Shadblow Serviceberry (WHITE)	¥	3	12	10	10	s	•	•	0	0	٢	•	5	⋩ǿ┿┦Ϋᠽ
Not reliable under high s color.	stress. Small compact form	n. Orange to yellow fall														
Amelanchier x	'Autumn Brilliance'	Apple Serviceberry (WHITE)	¥	4a	25	25	13	s	0	<u> </u>	0	0	٣	٣	3	⋩⋹⋕≉∤-∕
grandiflora	stress conditions. Red fall o	-	1													
A. grandiflora	'Autumn Sunset'	Apple Serviceberry (WHITE)	Y	4a	30	25	13	S	8	<u> </u>	0	8	<u>.</u>	<u>.</u>	3	¢ǿ♥፨ヤ√
	stress conditions. Rich orar better drought tolerance.	nge fall color. Strong														
A. grandiflora	'Ballerina'	Apple Serviceberry [WHITE]	Y	4a	20	15	13	S	8	٣	8	0	٣	۳	3	✿单单常ᅷℯ
Not reliable under high s color.	stress conditions. Shrub or	small tree. Red fall														
A. grandiflora	'Princess Diana'	Apple Serviceberry (WHITE)	Y	4a	25	15	13	S	0	٣	0	0	٣	٢	3	⋩⋹⋕≋⋕⊰
Not reliable under high s single stemmed.	stress conditions. Red fall o	color. Can be multi or														
Betula nigra	'Moonshine' Dura Heat®	River Birch	¥	4a	45	35	18	S	8	<u> </u>	-	0	٣	0	1,6	≈7
Exfoliating bark. Develop adaptable birch.	os chlorosis in high pH. Lea	af spot in wet years. Most														
B. nigra	'Little King' Fow Valley®	River Birch	¥	4a	15	15	10	S	8	<u> </u>	-	0	.	0	1,6	≉⊺ ▼
Exfoliating bark. Develop adaptable birch. Small fo	ps chlorosis in high pH. Lea	af spot in wet years. Most	·													

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B. nigra	'Cully' Heritage®	River Birch	V	4a	50	35	18	S	0	•	-	8	•	0	1,6	≉7
Exfoliating bark. Develog adaptable birch.	os chlorosis in high pH. Lea	af spot in wet years. Most														
B. nigra	'Dickinson' Northern Tribute™	River Birch	¥	3	40	35	18	S	8	•	-	8	•	0	1,6	≉ 7
Exfoliating bark. Develop adaptable birch.	os chlorosis in high pH. Lea	af spot in wet years. Most														
Carpinus betulus	'Fastigiata'	European Hornbeam	Y	5a	35	20	10	S	8	8	۳		•	0	4,6	* *
Cultivar name misleadin pruning. Urban tolerant. boxes, around buildings.	g as plant develops oval sh Good for screens, hedges,	nape. Tolerates heavy , groupings, planter														
Carpinus caroliniana	_	American Hornbeam	Y	3a	30	25	13	S	0	8	0		•	.	4,6	∳ ≉ ⋷ ↑
Slow to recover from tra	nsplanting. Tolerates prur	ning for hedge or screen.														
C. caroliniana	'JN Globe' Ball O'Fire™	American Hornbeam	¥	3a	30	25	10	S	8	8	0	-	•	.	4,6	∳ ≉ ⊺ †
Slow to recover from tra hedge or screen.	nsplanting. Red fall color.	Tolerates pruning for														
C. caroliniana	'JN Upright' Firespire™	American Hornbeam	Y	3	30	15	10	S	0	0	0		٣	٣	4,6	┿ ≉ ⋷ ヤ
Slow to recover from tra pruning for hedge or scr	nsplanting. Orange to red een.	fall color. Tolerates														
C. caroliniana	'CCSQU' Palisade™	American Hornbeam	Y	3a	30	15	10	S	0	0	0		.	٢	4,6	∳ ≉ / ↑
Slow to recover from tra hedge or screen.	nsplanting. Yellow fall colo	or. Tolerates pruning for														
Carya glabra	_	Pignut Hickory	Y	4	65	40	20	L	<u>.</u>	8	0		•	٣	2,4,6	é≑ ¶-{
Golden yellow fall color.	Difficult to transplant.															
Carya ovata	_	Shagbark Hickory	Ŷ	4	80	35	28	L	0	0	0	-	٣	٣	2,4,6	é ♥ ◎] -{
Yellow to brown fall colo	or. Difficult to transplant. B	eautiful 'shaggy' bark.														
Catalpa speciosa	_	Northern Catalpa [WHITE]	Y	4a	60	40	20	L	•	•	٢	8	•	0	2,4	¢éA
Coarse large leaves. Tou	ugh tree for large landscap	es.														
Celtis laevigata	'All Seasons'	Sugar Hackberry	Y	5a	80	50	25	М	•	•	0	•	•	٢	1,6	é ≉
Smooth gray bark like be conditions. Does respon	eech. Yellow fall color. Goo d well to injury.	od tolerance to tough														
Celtis occidentalis	_	Common Hackberry	Y	3a	60	50	25	М	<u> </u>	0	٣	•	٣	٣	1,6	é ≉
Good tolerance to tough kill the tree, but can ma	conditions. Affected by sev ke it unattractive.	veral pests that do not														
C. occidentalis	'Prairie Pride'	Common Hackberry	Y	3	55	50	25	М	<u> </u>	0	٣	.	٣	٢	1,6	é 🌣 🕇
Good tolerance to tough	conditions. Affected by sev	veral pests that do not														

Good tolerance to tough conditions. Affected by several pests that do not kill the tree, but can make it unattractive. Lighter fruit crop and does not develop witches broom.

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C. occidentalis x C. laevigata	'Magnifica'	Magnifica Sugar Hackberry	Y	5	50	40	25	М	٣	8	٣	٣	٣	٣	1,6	é *
Cross between Sugar and drought, salt and compac		ess hardy, but withstands														
Cercidphyllum japonicum	_	Katsuratree	¥	4b	60	35	18	М	8	0	۲	8	8	٢	1,6	+
Difficult to transplant, wa	ter is needed during esta	ablishment.														
C. japonicum	'Rotfuchs' 'Red Fox'	Katsuratree	Y	4b	60	35	18	М	Ë	0	<u> </u>	0	0		1,6	•
Difficult to transplant, wa and slower grower than s		ablishment. Red foliage														
Cercis canadensis	_	Eastern Redbud	Y	4	25	25	13	S	0	0	<u> </u>	0	-	٣	1	፨ǿ♥ヤ
Avoid wet soils. Suffers w	hen stressed.															
C. canadensis	'Alba'	Eastern Redbud	Y	4b	25	25	13	S	8	8	٣	8	E)		1	≎ •• † †
Avoid wet soils. Suffers w	/hen stressed.															
C. canadensis	'Forest Pansy'	Eastern Redbud (ROSE-PURPLE)	Y	5b	25	25	13	S	8	0	<u>.</u>	8	"	<u>.</u>	1	* • • *
Avoid wet soils. Suffers w	/hen stressed. Purple fol	iage.														
C. canadensis	'Royal White'	Eastern Redbud	Y	4	25	25	13	S	0	0	<u> </u>	0	=	.	1	* • • *
Avoid wet soils. Suffers w the other white flowered	/hen stressed. May be mo form.	ore cold hardy than 'Alba'														
C. canadensis	'Northern Strain'	Eastern Redbud	Y	4	25	25	13	S	0	0	<u> </u>	0	=	.	1	* • • *
Avoid wet soils. Suffers w	/hen stressed. More cold	hardy species.														
Chionanthus virginicus	_	White Fringtree	Y	4	25	25	13	S	٣	۳	٣	•	<u> </u>	٣		⋩⋹⋕⋎
Specimen small tree. Ver	y adaptable.															
Cladrastis kentukea (lutea)	_	Yellowwood (WHITE)	Y	4a	50	55	25	L	0	0	۳	8	0	8	1,6	≎é †≉
Structural pruning is nec summer to avoid bleeding		ttachment. Prune in														
Cornus mas	'Golden Glory'	Corneliancherry Dogwood (YELLOW)	Y	4b	20	20	10	S	0	0	٢	8	0	0	2,5	፨ǿϯᠽ
		orm and expose exfoliating blish. Heavy bloomer, but														
C. mas	'Redstone'	Corneliancherry Dogwood (YELLOW)	Y	4b	25	20	10	S	0	0	٣	0	0	0	2,5	ॐǿ♥┥
Can pruned to raise crow bark. Relatively adaptable																
Corylus colurna	_	Turkish Fildert	Y	4	50	30	15	s	٣	8	•	-	<u> </u>	8	2	é † ≉ - {
Tolerant of tough condition	ons, but will require wate	ring for establishment.														

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Crataegus crus- galli var. inermis Thornless cultivar.	'Cruzam' Crusader™	Thornless Cockspur Hawthorn	¥	4a	25	25	13	S	۲	•	٢	•	9 (3,	,6	¢é♥ſ⁺ √
Crataegus laevigata	'Crimson Cloud'	English Hawthorn (RED)	¥	4	25	20	10	S	٢	8	٣		<u> </u>	3,	,6	⋭⋪⋠
Adaptable and tolerant o necessary if planted as st		g lower limbs may be														
C. laevigata	'Paulii'	English Hawthorn (RED)	¥	4	25	20	10	S	•	0	•	•	()	3,	,6	¢ǿ⋪⊰
Adaptable and tolerant o necessary if planted as st																
Crateagus phaenopyrum	'Fastigiata'	Washington Hawthorn (WHITE)	Y	4a	30	25	13	S	•	0	•		<u> </u>	3,	,6	¢ǿቑ₄
Adaptable and tolerant o necessary if planted as st fruit smaller than species	reet tree. Thorns. Colum															
C. phaenopyrum	'Princeton Sentry'	Washington Hawthorn (WHITE)	Y	4a	30	20	10	S	•	0	•	Ë	•	3,	,6	⋭●⋕⋞
Adaptable and tolerant o necessary if planted as st single trunk for street tre	reet tree. Almost thornles															
C. phaenopyrum	Presidential™	Washington Hawthorn (WHITE)	Y	4a	15	15	10	S	<u>.</u>	8	<u>.</u>	-	<u> </u>	3,	,6	¢é†⊰
Adaptable and tolerant o necessary if planted as st	f many conditions. Prunin reet tree. Thorns. Tree fo	g lower limbs may be rm.														
C. phaenopyrum	Washington Lustre®	Washington Hawthorn (WHITE)	Y	4a	25	25	13	S	٣	8	<u> </u>	-	•	3,	,6	≑ǿ⋪⊰
Adaptable and tolerant o necessary if planted as st																
Crataegus viridis	'Winter King'	Winter King Hawthorn (WHITE)	Y	4a	25	25	13	S	•	0	•	8	•	3,	,6	⋩单♥፨┞┥
Adaptable and tolerant o necessary if planted as st winter/fall fruit.																
Fagus sylvatica	'Riversii'	European Beech	¥	4a	50	40	20	L	0	-	0	-	•	•	5 4	₽ ≉
More tolerant of urban so soils. Many cultivars exist																
Fraxinus americana	_	White Ash	Y	3	70	60	30	М	8	8	•	•	•	B 1,	,3	+7
Host of Emerald Ash Bore Prune for structure. Purp		ptable and tolerant.														
F. americana	'Autumn Purple®'	White Ash	Y	4	45	60	30	М	0	0	•	٣	•	B 1,	,3	+7
Host of Emerald Ash Bore Prune for structure. Redo																
F. americana	'Empire'	White Ash	Y	3	50	25	13	М	0	0	<u>.</u>	.	•	9 1,	,3	+7
Host of Emerald Ash Bore Prune for structure. Stro			-													
F. americana	'Greenspire'	White Ash	¥	3	40	30	15	М	0	0	<u>.</u>	.	•	B 1,	,3	+ 7
Host of Emerald Ash Bore	er, plant with caution. Ada	ptable and tolerant.														

Host of Emerald Ash Borer, plant with caution. Adaptable and tolerant. Prune for structure. Upright form. Orange fall color.

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F. americana	Northern Blaze® (Jefnor)	White Ash	Y	3	60	30	15	М	0	8	.	•	.	0	1,3	+ 7
Host of Emerald Ash Bor Prune for structure. See	rer, plant with caution. Ada	aptable and tolerant.														
Fraxinus pennsylvanica	_	Green Ash	¥	2	60	30	15	М	0	٣	٢	٢		0	1,3	+7
Host of Emerald Ash Bor Prune for structure.	rer, plant with caution. Ada	aptable and tolerant.														
F. pennsylvanica	'Bergeson'	Green Ash	Ŷ	3	50	35	18	М	0	٣	<u>.</u>	۳	÷	0	1,3	+7
Host of Emerald Ash Bor Prune for structure. See	rer, plant with caution. Ada dless. Yellow in fall. One c	aptable and tolerant. If the most cold hardy.														
F. pennsylvanica	'Cimmzam' Cimmaron®	Green Ash	Y	4	60	30	15	М	0	.		<u> </u>		0	1,3	+7
	rer, plant with caution. Ada noted for a central leader															
F. pennsylvanica	'Marshall's Seedless'	Green Ash	¥	3a	50	40	20	М	8	<u> </u>	<u> </u>	<u> </u>	=	8	1,3	+7
Host of Emerald Ash Bon Prune for structure. See	rer, plant with caution. Ada	aptable and tolerant.														
F. pennsylvanica	'Patmore'	Green Ash	¥	3a	60	35	18	М	0		(٣		0	1,3	+7
Host of Emerald Ash Bor Prune for structure. See	rer, plant with caution. Ada dless.	aptable and tolerant.														
F. pennsylvanica	'Summit'	Green Ash	Y	3b	45	25	13	М	0	٣	<u>.</u>	۳	÷	0	1,3	+7
	rer, plant with caution. Ada of the most cold hardy. U															
Ginkgo biloba	'Autumn Gold'	Ginkgo	¥	4	50	30	15	S	(0	.	0	<u>.</u>	0	6	* *
Adaptable and tolerant. Symmetrical, broad and	Golden yellow fall color. Fi rounded crown.	ruitless. Prune in spring.	•													
G. biloba	'Magyar'	Ginkgo	V	4	50	25	13	S	۳	8	<u>.</u>	0	۳	0	6	∲ ≉
Adaptable and tolerant. ` Upright, ascending bran	Yellow fall color. Fruitless ching.	. Prune in spring.														
G. biloba	'Princeton Sentry'	Ginkgo	¥	4	60	25	13	S	.	0	<u>.</u>	0	۳	0	6	◆ ≉
Adaptable and tolerant. Upright habit that tapers	Yellow fall color. Fruitless to a point.	. Prune in spring.														
Gleditsia triacan- thos var. inermis	'Halka'	Honey Locust	Y	4a	40	40	20	М	٢	8	٣	٢		0	3,6	•
Adaptable and tolerant. dropping branches.	Prune in fall. Fruitless. Ro	und head with less														
G. triacanthos var. inermis	'Imperial'	Honey Locust	Y	4a	30	35	18	М	٣	8	<u>.</u>	<u>.</u>	Ö	8	3,6	+†
Adaptable and tolerant. compact and formal form	Prune in fall. Seedless. Es n.	sentially fruitless. Most														
G. triacanthos var. inermis	'Moraine'	Honey Locust	Y	4a	40	50	25	М	٢	8	٣	٢		0	3,6	•
Adaptable and tolerant. Wide spreading crown.	Prune in the fall. Fruitless	. Golden yellow fall color.														

									_		Toler	ances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
G. triacanthos var. inermis	'Shademaster'	Honey Locust	Y	4a	45	35	18	М	٣	0	•	٣	-	0	3,6	÷
Adaptable and tolerant. P symmetrical habit.	rune in the fall. Essentia	lly fruitless. Upright,														
G. triacanthos var. inermis	'Skyline'	Honey Locust	¥	4a	45	35	18	М	•	0	٢	٣		0	3,6	•
Adaptable and tolerant. P branches. Bright golden y																
G. triacanthos var. inermis	'Sunburst'	Honey Locust	¥	5	35	30	15	М	•	0	•	٣		8	3,6	•
Adaptable and tolerant. P growth changing to bright																
Gymnocladus dioicus	_	Kentucky Coffeetree	Y	3b	70	50	25	L	•	0	•	8		-	2	∲ ≉
Adaptable and tolerant to	urban conditions. Good	for large areas.														
Halesia carolina	_	Carolina Silverbell	Y	4	35	25	13	S	•	0	-	٣	•	•	6	\$ \$ 4
Difficult to transplant. Ch	oratic in high pH soils.															
Hamamelis virginana	_	Whitchhazel (YELLOW)	Y	3	25	20	10	S	0	٢	0	0	8	•		☆┿『 ヤ
Prefers a moist soil. Mode Flowers in the fall.	erate tolerance. Attractiv	ve yellow fall color.														
Hydrangea paniculata	_	Panicle Hydrangea	Y	3	20	20	10	S	0	0	•	-	8	•		\$ *
Very adaptable, hardy, urb	oan tolerant plant. Over	70 cultivars.														
Juglans nigra	_	Black Walnut	Y	4	75	60	30	L	-		<u> </u>	-	<u>.</u>	.	2,6	⊎ ¶- <u>₹</u>
Tolerates drier soils, but transplant.	prefers moist soils. Oper	n crown. Difficult to														
Juniperus virginiana	_	Eastern Red Cedar	Y	4	50	20	10	S	٣	-	٣	٣	٣	0	6	é ≰≈ ⊺ -{
Tolerant of tough conditio screens.	ns. Good as specimen, ir	n groupings, hedges or														
Koelreuteria paniculata	_	Panicled Golden- raintree (YELLOW)	Y	5	40	40	20	S	8	0	٣	8	-	-	6	☆ǿ≑ል
Tolerant and adaptable. P Yellow flowers in summer		ewhat weak wooded.														
_arix decidua	_	European/ Common Larch	Y	2	75	30	15	L	8	-	0	٣	-	-	6	+
Needs moisture, well-dra yellow fall color. More tol	ined and sunny condition erant of cultivation than	ns. Deciduous conifer with native Eastern Larch.														
Liquidambar styraciflua	'Moraine'	American Sweetgum	¥	5	60	35	18	М	8	•	0	8	-	0	2,6	é ‡- <u>f</u>
Slow to reestablish. Not to Most vigorous on wet site		ns. Prune during winter.														

											Toler	ances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Liriodendron tulipfera	_	Tuliptree (GREEN-YELLOW)	Ŷ	5	90	50	25	L	8	0	8			=	6	\$ \$
Reserve for large areas. I growing conditions. Yello	Prune in winter. Develops w fall color.		·													
Maackia amurensis	_	Amur Maackia (WHITE)	Y	4a	25	25	13	S	0	0	٣	0	٢	-		✿ 本 个
Adaptable. Summer white	e flowers. Attractive bron	ze colored bark.														
Magnolia acuminata	_	Cucumbertree Magnolia (GREEN-	Y	4a	80	60	30	L	-	8	8	-		8	6	¢ é
Slow to reestablish and n areas. Prune after flower	ot tolerant of tough condi ing. Thin barked, easily da	tions. Reserve for large amaged.														
Magnolia stellata	_	Star Magnolia (WHITE)	Y	4a	25	15	8	S	Ċ	8	0	-	<u>.</u>	E)	1,6	≎ • †
Avoid extreme sites and a flower buds.	areas that heat up early in	the spring to protect														
M. stellata	'Centennial'	Star Magnolia (WHITE)	Y	4a	25	15	8	S		0	0	•	<u>.</u>	.	1,6	≎
Avoid extreme sites and a flower buds. Slight pink of	areas that heat up early in on the flower, good uprigh	nt form.														
M. stellata	'Royal Star'	Star Magnolia (WHITE)	Y	4a	10	15	8	S	-	0	0	Ö	۳	^E	1,6	🌣 单 🕈
Avoid extreme sites and a flower buds. Pink buds, w	areas that heat up early in vhite flowers. Densely bra	the spring to protect nched.														
Malus baccata	'Jackii'	Siberian Crabapple (WHITE)	¥	3	30	15	8	S	•	-	<u> </u>	٢		=	2	፨ǿቑዺ
Deep green foliage. Highl branching prune for clear		apanese beetle. Low														
Malus sargentii	_	Sargent Crabapple	Y	4	15	12	6	S	•	8	<u>.</u>			=	2,3	ጶ单ϯ╃
Tolerant, small, dense tre and insect problems.	ee. Relatively resistant to	most crabapple diseases														
Malus spp.	'Adams'	Crabapple (PINK)	Y	4	25	25	13	S	•		0	٢		8	2	≎ •†
Rounded, dense crown. R		••••••														
M. spp.	Brandywine® 'Branzam'	Crabapple (Rose- PINK)	¥	3	20	20	10	S	•	—	8	.	÷	8	2	* é †
Double flowers. Reddish	to purple fall color.		-													
M. spp.	'Cardinal'	Crabapple (SCARLET)	Y	4	20	20	10	S	•		0	<u>.</u>		8	2	\$ *
Few fruits. Spreading, fla	t-topped. Purple-red folia	age.														
M. spp.	'Centzam' Centurion®	Crabapple (Rose- RED)	Y	4	25	20	10	S	٣	E	0	٣		0	2	≎ • †
Upright branching. Dark	reddish green leaves.															
M. spp.	'Dolgo'	Crabapple (WHITE)	Y	3	40	25	13	S	<u>.</u>	—	0			0	2	‡ é
Flowers well in alternate	years. Open habit.															
M. spp.	'Donald Wyman'	Crabapple (RED- PINK)	Y	4	20	25	13	S	٣	E	0	٣	-	0	2	≎ •́ †
Spreading form, dark gre		nt in winter.														
M. spp.	Golden Raindrops™	Crabapple (WHITE)	¥	4	15	20	10	S	.	E	0	٢	ä	0	2	≎ •́ †

											Toler	ances				
cientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Golden yellow fruit. Small	, slender, horizontal spr	eading.							-							
M. spp.	'Hargozam' Harvest Gold ®	Crabapple (WHITE)	Ŷ	4	30	20	10	S	•		8	•		8	2	\$ é †
Flowers one week later th winter. Moderately colum		t that persist through														
И. spp.	'Indian Magic'	Crabapple (DEEP PINK)	Y	4	20	20	10	S	•	-	0	<u>.</u>	-	0	2	* • *
Small, red, persisting frui	t. Rounded habit. Orange															
1. spp.	'Indian Summer'	Crabapple (ROSE- RED)	¥	4	18	25	13	S	•		8	.	Ë	8	2	\$ *
Purple green foliage. Broa	ad globe-shaped.		•													
1. spp.	'Prairifire'	Crabapple (RED)	Ţ	4	20	20	10	S	•	-	0	•		0	2	* • *
Red-purple, persistent fru growth maroon turning gr		urning round. New leaf	•													
1. spp.	'Red Jewel'	Crabapple (WHITE)	Y	4	15	12	10	s	٣		8	٣	Ë	0	2	* • *
Rounded habit with horizo	ontal branches. Dark gre	en foliage.														
1. spp.	'x robusta'	Crabapple (WHITE)	Y	4	40	25	13	s	•	-	8	•	÷	0	2	\$ 6
Oval, dense branching.			-													
1. spp.	'Selkirk'	Crabapple (Rose- RED)	Y	4	25	25	13	S	•	—	0	•		8	2	🌣 单 🕆
Glossy fruits. Open, uprigl green.	ht. Foliage opens reddish	green turning to dark														
1. spp.	Sugar Tyme™	Crabapple (WHITE)	¥	4	18	15	7.5	s	•		8	٣		0	2	⇔ ∳†
Persistent red fruit. Uprig	ht oval. Dark green folia	ge.	·													
1. spp.	'Thunderchild'	Crabapple (PINK)	Y	3	20	20	10	S	<u>.</u>		8			8	2	* é †
Compact, upright-spreadi	ng. Deep purple leaves.		·													
1. spp.	'x zumi'	Crabapple (WHITE)	Ŷ	4	20	20	10	S	•		0	•	÷	8	2	🌣 🗉 🕈
Pyramidal habit, may beco	ome rounded.															
letasequoia lyptostroboides	_	Dawn Redwood	Y	5	100	50	25	L	8	٢	0	-	٢		4	* *
Performs best in moist, de pockets which may affect		y acidic soils. Avoid frost														
1. glyptostroboides	'Sheridan Spire'	Dawn Redwood	Y	5	60	30	15	L	8	<u> </u>	0	-	<u> </u>	E)	4	∳ ≉
Performs best in moist, de pockets which may affect			·													
lyssa sylvatica	_	Black Tupelo	Ŷ	4b	50	35	18	М	C	٢	-	8	•	<u>.</u>	4,6	₩ ₩
Difficult to transplant. Fal fall color. Not for the mos tree.																
)strya virginiana	_	Hophornbeam	Y	3b	45	30	15	S	8	0	•	-	•	<u>.</u>	4,6	é ≉ ⊺ -{
Slow to reestablish. Perfo acidic soils.	rms best in cool, moist,	well-drained slightly	ı													

											Toler	ances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Phellodendron amurense	His Majesty™	Amur Corktree	¥	3b	45	30	15	L		8	٣	8	8	=	6	♦≉▲
	Prune in winter. Reserve fall color. Male, so will n															
P. amurense	'Macho'	Amur Corktree	Y	4	45	45	23	L	<u> </u>	0	.	0	8	÷	6	♀ ≉ ▲
	Prune in winter. Reserve fall color. Male, so will n		-													
Picea abies	_	Norway Spruce	Y	2	60	30	15	L	8	8	8	E C	<u>.</u>	8	2,3	ǿ≰≉
Reserve for large areas. in spring. Consider P. or		rained, sandy soils. Prune														
Picea glauca	_	White Spruce	Y	2	60	20	10	L	٣	-	<u> </u>	-	٣	8	3	≜ ∞
Adaptable and tolerant. P. orientalis and P. omo		Prune in spring. Consider														
Picea omorika	_	Serbian Spruce	Ŷ	4	60	25	30	М	٣	8	<u> </u>	-	<u>.</u>	8		▲☆
Noted for excellent folia	ge. One of the most adap	table spruces.														
Picea orientalis	_	Oriental Spruce	Y	5a	60	25	30	L	٣	8	<u> </u>	-	<u>.</u>	8	4	▲☆
Noted for excellent folia	ge.															
Pinus cembra	_	Swiss Stone Pine	¥	3	40	20	10	М	٣		0	0	0	-	4	é ≰≉
Small, dense pine. Requ grower.	ires well-drained, loamy	soils in full sun. Slow														
Pinus nigra	_	Austrian Pine	¥	4	60	30	15	М	٣	٣	0	۳	٣	-	3	é ≰≉
Adaptable and tolerant. topped and umbrella lik	Stiff, dark green needles e.	. With age, becomes flat														
Pinus strobus	_	Eastern White Pine	Y	3	80	40	20	L	0			-	Ë	0	1,3	ǿ≰≉₹
Susceptible to white pin		ell-drained, acidic soils. tified rust resistant plants. eakage from strong winds,														
Platanus x acerifolia	Bloodgood'	London Planetree	Y	5	85	70	35	L		<u>.</u>	<u>.</u>	0	<u>.</u>	-	2,3	é ≉
	Attractive bark. Cold inju g. Drops twigs and leaves															
P. acerifolia	'Morton Thornhill' Exclamation™	London Planetree	Y	5	60	45	23	L	٣	٣	٣	0	٣		2,3	é 🕸
	Attractive bark. Cold inju g. Drops twigs and leaves															
P. acerifolia	Ovation™	London Planetree	¥	5	50	60	30	L	.	<u>.</u>	<u>.</u>	0			2,3	é 🕸
	Attractive bark. Cold inju g. Drops twigs and leaves															

									_		Toler	ances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Platanus occidentalis	_	Sycamore	Y	4b	100	80	40	L	٣	•	۳	8	:	÷	2,3	é * 7
Prefers deep, rich, mois Drops twigs and leaves.		rsh winters. Attractive bark.														
Prunus maackii	_	Amur Chokecherry (WHITE)	Y	2b	35	35	28	S	0	•	0	0	0	-	3,6	≎ é † ≉
Attractive bark. Dense r	ound canopy. Prune to	maintain tree shape.														
Prunus sargentii	'Columnaris'	Sargent Cherry (PINK)	Y	5a	35	15	8	S	0	-	0	0	-	-	6	✿♥፨♥-₽
Good yellow, orange to r age, becomes vase shap		early. Attractive bark. With														
Prunus sargentii x P. subhirtella	'Accolade'	Accolade Flowering Cherry	Y	5a	35	20	10	S	0	8	0	0		0	6	✿♥傘♥┙
Good yellow, orange to r Short-lived. Open habit.		early. Attractive bark.														
Pyrus calleryana	'Aristocrat'	Callery Pear (WHITE)	Y	4	45	20	10	s	٣	8	•	0	•	-	1,6	\$\P
Adaptable and tolerant. much better than 'Bradf	Prune for structure to a ford'. Blooms later.	avoid branch splitting, but														
P. calleryana	'Chanticleer'	Callery Pear (WHITE)	¥	4	30	15	10	S	•	0	<u> </u>	0	<u> </u>		1,6	⇔ †
Adaptable and tolerant. much better than 'Bradf		avoid branch splitting, but er-lived and bardier														
P. calleryana	'Jaczam' Jack™	Callery Pear (WHITE)	Ţ	4	15	10	10	S	٣	0	۳	0	٢		1,6	\$ ∳ †
Adaptable and tolerant. space is limited.	Prune for structure. Yel	llow fall color. Good where														
P. calleryana	'Jilzam' Jill™	Callery Pear (WHITE)	Y	4	15	15	10	S	•	8	<u> </u>	0			1,6	\$ ∳ †
Adaptable and tolerant. space is limited.	Prune for structure. Yel	llow fall color. Good where	·													
Pyrus ussuriensis	_	Ussurian Pear (WHITE)	Y	3	35	50	25	S	٣	0	0	0	-	•	4	≎∳ †
Hardy pear with dense, purplish in fall.	rounded habit. Dark gre	en, glossy leaves turn red to														
Quercus alba	_	White Oak	Y	3b	60	60	30	L	8	٣	0	0	0	0	2,6	é≑⊺ -{
Attractive bark. Growth areas.	is slow, transplant at a s	small size. Reserve for large														
Quercus bicolor	_	Swamp White Oak	Y	4a	60	60	30	М	0	•		0	0	0	2,6	é ≑≋ ⊺ -{
Attractive bark. Easier to red fall color.	o transplant than Q. alb	a. Likes acid soils. Yellow to														
Quercus imbricata	_	Shingle Oak	Y	4	60	60	30	М	0	8	0	٢	0	•	2,6	é ♥≉ <i>-</i> {

			Tolerances													
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Adaptable. Reserve for I	large areas. Transplants ea	asier than most oaks.														
Quercus macrocarpa	_	Bur Oak	Y	3a	80	90	45	L	٢	٢	٢	8	0	-	2,6	é †≉ " -{
Adaptable. Reserve for la urban conditions than m	arge areas. Difficult to tran ost oaks.	splant. More tolerant of														
Quercus muehlenbergii	_	Chinkapin Oak	Y	4	50	55	28	М	٣	0	٣	8	0		2,6	é †- <u>-</u> ?
Adaptable. Slow grower color.	and difficult to transplant.	Red, yellow to brown fall														
Quercus palustris	_	Pin Oak	¥	4a	70	50	25	М	0	٣	-	-		-	2,6	é ≑ [-{
Adaptable. Moderate tole Strongly pyramidal habit	erance, but very intolerant t.	of high pH soils.	-													
Quercus robur	'Fastigiata'	English Oak	V	5a	50	15	25	М	•	0	•	0	•		2,6	é †- <u>{</u>
Adaptable and tolerant.	Twig dieback in harsh winte	ers.	•													
Q. robur	'Pyramich' Skymaster®	English Oak	Y	5a	50	25	13	М	•	0	•	0	<u>.</u>	÷	2,6	•+-{
Adaptable and tolerant. Tighter than 'Fasitgiata'.	Twig dieback in harsh winte	ers. Mildew resistant.	-													
Quercus rubra	_	Northern Red Oak	Y	3b	75	60	30	L	٢		0	٣	۳		2	é≑ ¶- <u>₹</u>
Adaptable and tolerant e fast for an oak.	expect for high pH. Transpla	ants easily and grows														
Sassafras albidum	_	Common Sassafras (Yellow)	Y	5a	60	40	20	М	٣	0	-	8	.	٣	4,5,6	¢é∳≉ ⊺ ≁́
Difficult to transplant. P	refers a moist, acid, well-d	rained soil.														
Styphnolobium japonicum	'Princeton Upright'	Scholar-tree (WHITE)	Y	5a	40	50	25	М	٢	0	٣	8	٢	Ċ	1,2	¢.
	aponica. Adaptable and tol dieback in harsh winters.															
S. japonicum	'Regent'	Scholar-tree (WHITE)	Y	5a	50	45	23	М	.	0	•	8	.		1,2	\$
	aponica. Adaptable and tol g dieback in harsh winters.															
Syringa reticulata		Japanese Tree Lilac (WHITE)	Y	3	30	25	13	S	<u> </u>	8	•	8	<u> </u>	8		✿单睾丼◭
	Blooms in summer. Prune e of reported sites where th															
S. reticulata	'Ivory Silk'	Japanese Tree Lilac (WHITE)	Y	3a	25	15	13	s	<u> </u>	0	<u> </u>	0	<u> </u>	0		¢é≉†A
Adaptable and tolerant. Attractive bark.	Heavy blooms in summer. I		•													
S. reticulata	'Summer Snow'	Japanese Tree Lilac (WHITE)	Y	3a	20	15	13	S	٢	0	•	8	٢	0		✿单≉丼◭

											Toler	ances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Adaptable and tolerant. H Attractive bark. Small tree		Prune after flowering.														
Taxodium distichum	_	Baldcypress	Y	5a	70	30	15	L	(•	0	0	.	•	6	♦ ≉ - {
Adaptable and tolerant ex deciduous conifer.	pect for high pH. Can han	dle extensive flooding. A														
Thuja occidentalis	_	White Cedar	¥	3	60	15	8	S	0	•	0	-	<u>.</u>	<u> </u>	1	▲☆『
Adaptable and tolerant, b Heavy snow can cause da		s. Tolerates pruning.														
T. occidentalis	'Nigra'	White Cedar	¥	3	20	8	8	S	8	۳	0		<u> </u>	٣	1	≜ ∞
Adaptable and tolerant, bu Heavy snow can cause da																
T. occidentalis	'Smaragd,' 'Emerald'	White Cedar	Y	3	15	4	8	S	0	<u> </u>	0		.	<u>.</u>	1	▲滦了
Adaptable and tolerant, b Heavy snow can cause da	ut prefers moist, rich soil mage. Bright emerald gr	s. Tolerates pruning. een foliage.														
T. occidentalis	'Techny'	White Cedar	\mathbf{A}	3	15	10	8	S	0	٣	0		<u>.</u>	٣	1	▲☆▼
Adaptable and tolerant, b Heavy snow can cause da																
T. occidentalis	'Bailyard' Frontyard®	White Cedar	V	4	75	40	20	М	0	0				٣	1,3,5	¢7
Adaptable and tolerant. P with denser branching.	rune for structure. Symm	etrical, pyramidal habit														
T. occidentalis	'Continental Appeal'	White Cedar	Y	4	60	40	20	М	0	0	•			•	1,3,5	07
Adaptable and tolerant. P narrow ascending branch		dense crown with														
Tilia americana	Legend™	American Linden , Basswood (YELLOW)	Y	4	55	35	28	М	8	8	•	-		•	1,3,5	¢7
Adaptable and tolerant. P central leader and better		ctly pyramidal with a														
T. americana	'Redmond'	American Linden , Basswood (YELLOW)	Y	4	60	30	15	М	8	0	•	-		<u> </u>	1,3,5	07
Adaptable and tolerant. P	rune for structure. Unifor	m, pyramidal habit.														
Tilia cordata	'Baileyi' Shamrock®	Littleleaf Linden	Y	3	45	30	15	М	8	8	•	-	<u>.</u>	8	1,3,5	¢.
Adaptable and tolerant. P grower.	rune for structure. More o	open crown. Quick														
T. cordata	'Chancole' Chancellor®	Littleleaf Linden	¥	3	35	20	10	М	8	0	•	-	.	0	1,3,5	¢ é
Adaptable and tolerant. P branch angles.	rune for structure. Narro	w upright habit. Better														
T. cordata	'Glenleven'	Littleleaf Linden	¥	3	50	35	28	М	0	0	•		<u>.</u>	8	1,3,5	¢ é
Adaptable and tolerant. P	rune for structure. Open I	•	_													
T. cordata	'Greenspire'	Littleleaf Linden	Y	3	45	30	15	М	0	0	<u>.</u>		.	0	3	‡ é
Adaptable and tolerant. P trunk and dark green leav		m branching, straight														

									_		Toler	rances				
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	Limitations	Features
Tilia x euchlora	_	Crimean Linden	V	3	60	30	15	М	8	0	<u>.</u>	•	•	8	5	¢é
Adaptable and tolerant.	Graceful habit with branch		•													
Tilia tomentosa	_	Sliver Linden (YELLOW)	¥	4b	70	55	28	М	0	8	٣	8	٣	0	5,6	¢.
Adaptable and tolerant. underside of leaves.	Most drought tolerant of th	ne lindens. Silver														
T. tomentosa	'Green Mountain'	Silver Linden (YELLOW)	Y	4b	60	40	20	М	0	0	.	0	.	8	5,6	* •
	Most drought tolerant of th st grower with dense crowi															
T. tomentosa	'Sashazam' Satin Shadow®	Silver Linden	\mathbf{A}	4b	50	40	20	М	0	0	(0	.	8	5,6	\$ Ú
	Most drought tolerant of th iform, symmetrical growth															
Tsuga canadensis	_	Eastern Hemlock	\mathbf{A}	3	70	35	28	L	0	-	-	-	<u>.</u>	<u>.</u>	3,6	▲☆『
	locations. Tolerates shade est, hemlock wooly adelgic															
Ulmus americana	'Jefferson'	American Elm	Y	3b	50	50	25	S		<u>"</u>		8	<u>"</u>	8	3	+7
Adaptable and tolerant. Good DED resistance. Pr	Prune in the fall. Vase sha rimary host of Asian Longh	pe with arching limbs. orned Beetle.	•													
U. americana	'Delaware #2'	American Elm	Ŷ	3b	70	80	40	S	.	<u>.</u>	.	0	<u>.</u>	8	3	+ 7
	Prune in the fall. Broad sp ary host of Asian Longhorr															
U. americana	'New Harmony'	American Elm	Y	4	50	50	25	S		<u></u>		0	<u></u>	8	3	+7
	Prune in the fall. Good forr mary host of Asian Longho		-													
U. americana	'Princeton'	American Elm	Y	3b	60	40	20	S	<u>.</u>	•	.	8	٣	8	3	+ 7
	Prune in the fall. Good forr before DED. Primary host															
U. americana	'Valley Forge'	American Elm	Y	5	70	70	35	S		<u> </u>		8	<u> </u>	8	3	+ 7
	Prune in the fall. Classic e cold hardy. Primary host o															
Ulmus x spp.	'Morton' Accolade™	Elm	Y	4	70	50	25	S	٣	•	٣	8	.	0		•
	Prune in the fall. America en yellow fall color. Good [d Beetle.		·													
U. x spp.	'Discovery'	Elm	Y	3b	45	35	18	s	٣	•	٣	8	•	8		+
	Prune in the fall. Upright, o istance. Primary host of As															
U. x spp.	'Frontier'	Elm	Y	5	35	25	13	S	٣	<u>.</u>	<u>.</u>	0	<u>.</u>	8		•
	Prune in the fall. Dark gree ary host of Asian Longhorr															
U. x spp.	'New Horizon'	Elm	Y	3b	50	25	13	S	٣	٣	٣	8	٣	0		+

										Tole					
Scientific Name	Cultivar	Common Name [Flower Color]	Form	Hardiness Zone	Mature Height	Crown Spread	Soil Volume	Planting Area	Drought	Poor Drainage	Alkaline Soil	Salt	Air Pollution	Shade	suojieti m Features
Adaptable and tolerant resistance. Primary ho	Prune in the fall. Uprigh st of Asian Longhorned B	nt and full crown. Good DED Beetle.							1						
U. x spp.	'Patriot'	Elm	Y	5	70	50	25	S	<u>.</u>	۳	<u>.</u>	0	<u>.</u>	0	•
Adaptable and tolerant Narrower than most el Longhorned Beetle.	. Prune in the fall. Uprigh ms. Good DED resistance	nt, stiffly vase-shaped. e. Primary host of Asian													
U. x spp.	'Prospector'	Elm	Y	4	70	60	30	S	•	٢	٢	0	٢	0	+
	. Prune in the fall. Americ Asian Longhorned Beetle														
Viburnum prunifolium	_	Blackhaw Viburnum (WHITE)	¥	3	30	15	8	S	٢		•		8	0	≎ é ∳ †
Adaptable. Transplants	s well. Small tree.														
Zelkova serrata	'Green Vase'	Japanese Zelkova	Y	5a	70	50	25	S	•	0	0	0	-	-	1 🌵
Adaptable. Attractive b fall. Vase shape with u	ark. Young trees suscept pright branching. Bronze	ible to frost. Prune in the to red fall color.													
Z. serrata	'Green Veil'	Japanese Zelkova	Y	5a	70	55	28	S	<u>"</u>	0	0	0	=	-	1 🍁
Adaptable. Attractive b fall. Upright narrow va		ible to frost. Prune in the	·												
Z. serrata	'Halka'	Japanese Zelkova	Y	5a	50	30	15	S	<u>"</u>	0	0	0	=	-	1 🍁
	ark. Young trees suscept s uniform crown. Yellow	ible to frost. Prune in the fall color.	•												
Z. serrata	'Musashino'	Japanese Zelkova	¥	5a	45	15	8	S	<u>"</u>	0	0	0	=	-	1 🍁
Adaptable. Attractive b fall. Upright, tight, narı	ark. Young trees suscept row crown. Yellow fall col	ible to frost. Prune in the lor.	•												
2. serrata	Village Green™	Japanese Zelkova	Y	5a	40	40	20	S	•	0	8	0	=		1 🍁
A 1 1 1 A															

Adaptable. Attractive bark. Young trees susceptible to frost. Prune in the fall. Straight trunk. Wide and dense canopy. Red fall color.